APPENDIX C

AIR QUALITY, GREENHOUSE GAS, AND ENERGY IMPACT REPORT AND HEALTH RISK ASSESSMENT

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AIR QUALITY, GREENHOUSE GAS, AND ENERGY IMPACT REPORT

IPT ENTERPRISE BUSINESS CENTER LLC PROJECT

LAKE FOREST, CALIFORNIA

LSA

June 2025

AIR QUALITY, GREENHOUSE GAS, AND ENERGY IMPACT REPORT

IPT ENTERPRISE BUSINESS CENTER LLC PROJECT

LAKE FOREST, CALIFORNIA

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LIST OF ABBREVIATIONS AND ACRONYMS

°C	degrees Celsius
°F	degrees Fahrenheit
µg/m^3	micrograms per cubic meter
AAQS	ambient air quality standards
AB	Assembly Bill
ADA	Americans with Disabilities Act
ADT	average daily trips
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
Basin	South Coast Air Basin
BAU	business-as-usual
BTU	British thermal units
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen Code	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
CARB	California Air Resources Board
CAT	Climate Action Team
CBSC	California Building Standards Commission
CCAA	California Clean Air Act
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH_4	methane
City	City of Lake Forest
CO	carbon monoxide

CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
CPUC	California Public Utilities Commission
cy	cubic yard
DPM	diesel particulate matter
EIA	Energy Information Administration
EIR	Environmental Impact Report
EMFAC2021	California Emissions Factor Model, Version 2021
EO	Executive Order
EV	electric vehicle
GHG	greenhouse gas
GWh	gigawatt-hour
GWP	global warming potential
H_2S	hydrogen sulfide
HFCs	hydrofluorocarbons
HI	Hazard Index
hp	horsepower
I-5	Interstate 5
IPCC	Intergovernmental Panel on Climate Change
ISR	Indirect Source Rule
kWh	kilowatt-hour
lbs/day	pounds per day
LCFS	Low Carbon Fuel Standard
LED	light-emitting diode
LEED	Leadership in Energy and Environmental Design
LOS	level of service
MEI	maximally exposed individual
mg/m^3	milligrams per cubic meter
MICR	maximum individual cancer risk
MM	Mitigation Measure
MMT	million metric tons

MMT CO_2e	million metric tons of carbon dioxide equivalent
mpg	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization
MT	metric tons
MT CO_2e	metric tons of carbon dioxide equivalent
MT CO_2e/yr	metric tons of carbon dioxide equivalent per year
MW	megawatt
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NHTSA	National Highway Traffic Safety Administration
NO	nitric oxide
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone (or smog)
OPR	Governor's Office of Planning and Research
PFCs	perfluorocarbons
PM	particulate matter
$PM_{2.5}$	particulate matter less than 2.5 microns in size
PM_{10}	particulate matter less than 10 microns in size
ppb	parts per billion
ppm	parts per million
PRC	Public Resources Code
project	IPT Enterprise Business Center LLC Project
RCP	Regional Comprehensive Plan
ROCs	reactive organic compounds
ROGs	reactive organic gases
RPS	Renewables Portfolio Standard
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy

SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SCS	Sustainable Communities Strategy
SF_6	sulfur hexafluoride
SO_2	sulfur dioxide
SO_X	sulfur oxides
SoCalGas	Southern California Gas Company
sq ft	square foot/feet
sq mi	square mile
SR-241	State Route 241
SRA	Source Receptor Area
TAC	toxic air contaminant
UNFCCC	United Nations Framework Convention on Climate Change
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOCs	volatile organic compounds
ZEV	zero-emission vehicle
ZNE	zero net energy

INTRODUCTION

This Air Quality, Greenhouse Gas (GHG), and Energy Impact Report has been prepared to evaluate the potential air quality, GHG emissions, and energy impacts associated with the IPT Enterprise Business Center LLC Project (project) in Lake Forest, Orange County, California. This report follows the guidelines identified by the South Coast Air Quality Management District (SCAQMD) in its *California Environmental Quality Act (CEQA) Air Quality Handbook*[1] and associated updates. In keeping with these guidelines, this analysis describes existing air quality, including air quality and GHG emissions generated from project-related sources, regional air pollution, and global climate change. In addition, this analysis discusses energy use resulting from implementation of the proposed project and evaluates whether the proposed project would result in the wasteful, inefficient, or unnecessary consumption of energy resources or conflict with any applicable plans for renewable energy and energy efficiency. Furthermore, this analysis discusses cumulative impacts associated with the proposed project along with the Western Realco Projects.

PROJECT LOCATION AND DESCRIPTION

The 8.83-acre project site is located at 26200 Enterprise Way in the north-central portion of Lake Forest in Orange County, California. The project site is currently developed with an existing 144,906-square-foot (sq ft) building. Regional access to the project site is provided by State Route 241 (SR-241), which is located approximately 0.7 mile north of the project site, and Interstate 5 (I-5), which is located approximately 3.75 miles southwest of the project site. Local access to the project site is provided by Enterprise Way, which is accessed from Dimension Drive. See Figure 1, Regional Project Location, and Figure 2, Site Plan, below.

The proposed project involves the demolition of the existing 144,906 sq ft building and redevelopment of the property with a new 165,803 sq ft industrial building. The proposed project would include a mix of office, manufacturing, and warehouse space. Approximately 10,000 sq ft would serve as office space, with up to 65,000 sq ft proposed for manufacturing use, and the remainder would be utilized for warehouse use. A maximum of 23 usable dock-high doors, a gated truck loading area, a 16-foot-(ft) high, 65 ft long wall located at the eastern end of the loading docks, west of the proposed trash enclosure, and up to 262 parking spaces for passenger vehicles would be provided. Landscaping would total approximately 17.29 percent of the gross project site (66,559 sq ft). Additionally, the proposed project includes the following off-site improvements which would be constructed by the project developer prior to occupancy of the proposed industrial building to enhance public safety and address concerns related to large truck turning movements:

- **Intersection of Bake Parkway and Commercentre Drive:** Modifications would be made to the traffic signal to accommodate protected eastbound and westbound left-turn phasing (from split phasing). Lane geometrics would be modified for the westbound approach to accommodate dual left-turn lanes and a shared through right-turn lane. Additionally, modifications would be made to the traffic signal equipment.

[1] South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*. Website: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993) (accessed June 2025).

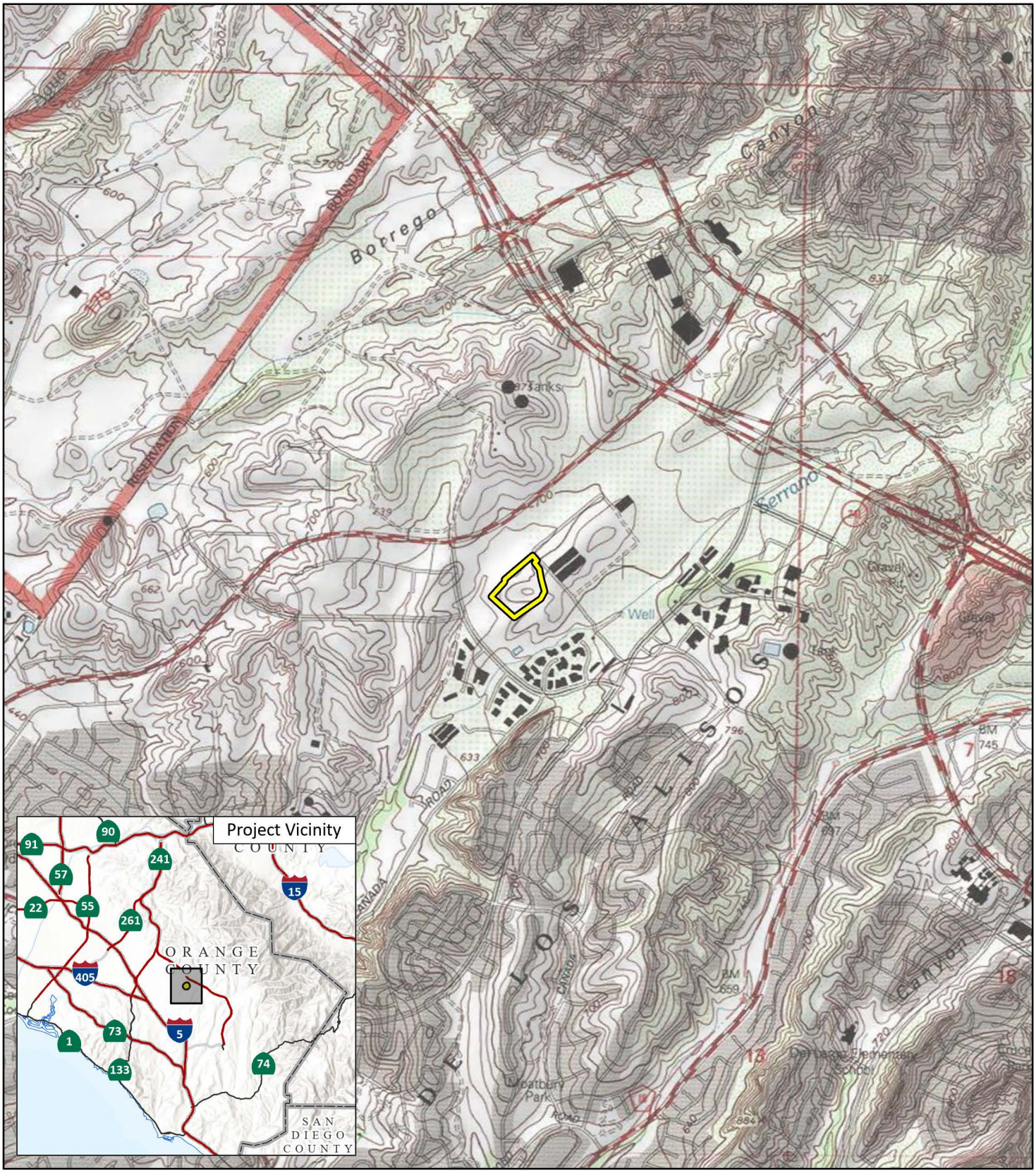


FIGURE 1

0 1000 2000
FEET

IPT Enterprise Business Center LLC

Project Location

SOURCE: *El Toro CA*, 7.5' Quad (USGS 1982)

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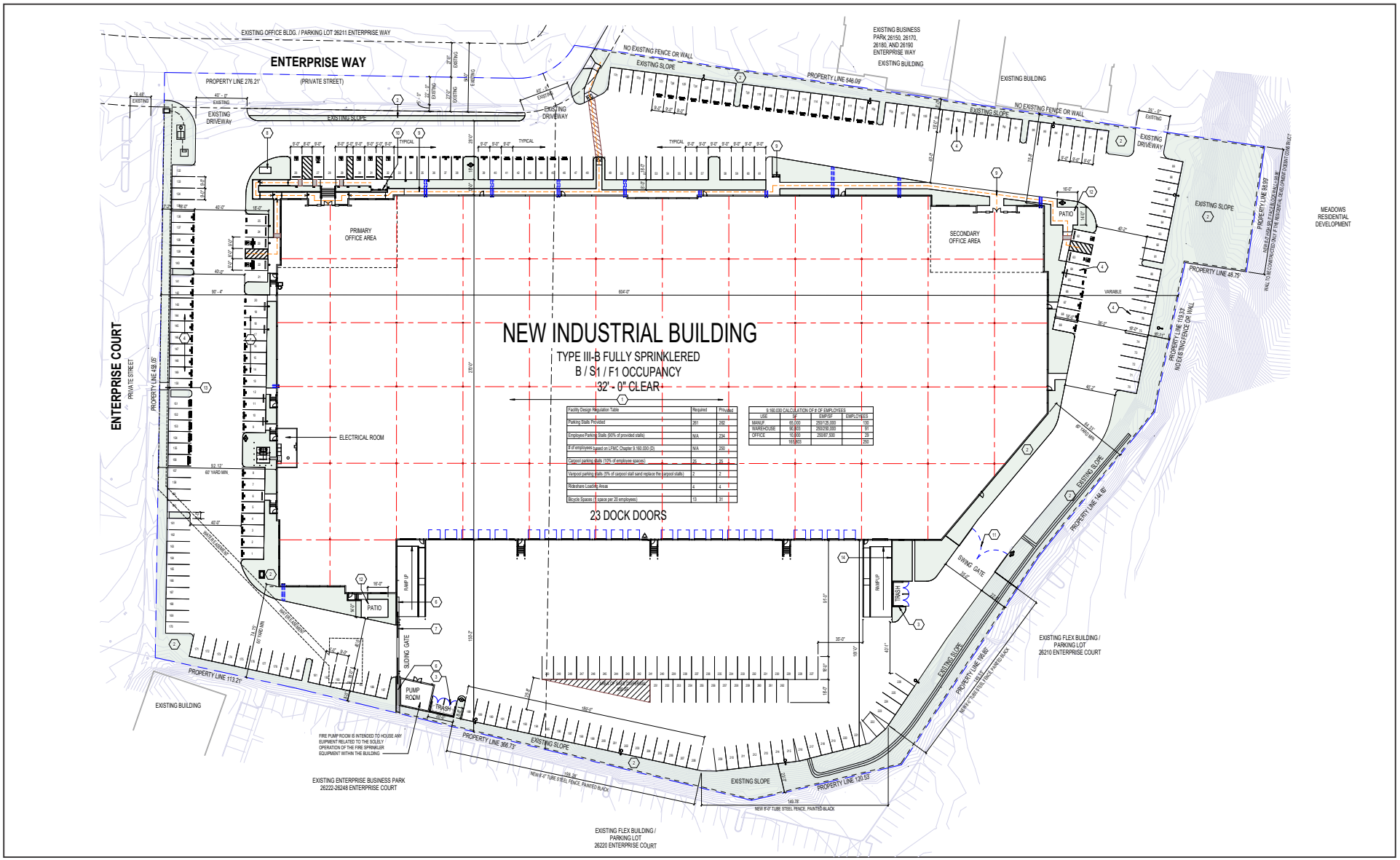


FIGURE 2

0 90 180

FEET

SOURCE: RGA Architects

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IPT Enterprise Business Center LLC Project

Site Plan

- **Intersection of Bake Parkway and Dimension Drive:** Modifications would be made to the median to accommodate a 430-foot westbound left-turn lane. Additionally, modifications would be made to the traffic signal equipment.

- **Intersection of Dimension Drive/Commercentre Drive – Enterprise Way:** Modifications would be made to the traffic signal to accommodate protected eastbound and westbound left-turn phasing (from permissive phasing). The radius of the southeast corner at this intersection would be modified to accommodate wheelbase-67 (WB-67) truck turns (northbound right turn). Additionally, modifications would be made to the traffic signal equipment.

- **Intersection of Lake Forest Drive and Dimension Drive:** Modifications would be made to accommodate a 250-foot northbound left-turn lane and a 205-foot eastbound left-turn lane. Additionally, modifications would be made to the traffic signal equipment.

- **Intersection of Lake Forest Drive and Rancho Parkway:** Modifications would be made to accommodate a new 225-foot northbound right-turn lane, a 470-foot northbound left-turn lane, and a 440-foot southbound left-turn lane. Additionally, modifications would be made to the traffic signal equipment.

The proposed project would be consistent with the California Green Building Standards Code (CALGreen Code) and Assembly Bill (AB) 1881 water-efficient landscape requirements. Additionally, the proposed project will be seeking Leadership in Energy and Environmental Design (LEED) certification through the Applicant's LEED Volume program. Some of the features in the design include, but are not limited to, drought tolerant landscaping, low-flow fixtures, high-efficiency lighting, solar, and infrastructure for electric vehicle (EV) charging.

This analysis assumes the proposed uses could operate up to 24 hours per day, 7 days per week. Once operational, the proposed project would generate approximately 573 average daily trips (ADT), including 458 passenger car trips, 38 two-axle truck trips, 21 three-axle truck trips, and 58 four-axle truck trips.[2] In addition, the proposed project would not utilize natural gas during construction and operation. The proposed project would also include two 200-horsepower (hp), diesel-powered, cargo-handling equipment units for operation of the project and a 300 hp, diesel-powered fire pump, which is estimated to operate for up to 50 hours per year.

Construction activities associated with the proposed project would include demolition of the existing structure, site preparation, grading, building construction, paving, and architectural coating activities. Construction of the proposed project would tentatively commence in January 2026 and is expected to be completed in about 1 year. Construction of the proposed project would require a net export of approximately 900 cy of material. Based on information from the project Applicant, the proposed project is anticipated to require the use of concrete industrial saws, excavators, impactors, stackers, jaw crushers, bull dozers, tractors, loaders, backhoes, graders, scrapers, forklifts, cranes, generator sets, welders, concrete ride on trowel machine, cement and mortar mixers, paving

[2] LSA. 2025. *Traffic Impact Analysis for the IPT Enterprise Business Center LLC Project, Table E: Project Trip Generation Summary.* March.

equipment, and air compressors. Equipment tier engine and number of equipment pieces was provided by the project Applicant.

EXISTING LAND USES IN THE PROJECT AREA

For the purposes of this analysis, sensitive receptors are areas of population that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include residences, schools, daycare centers, hospitals, parks, and similar uses which are sensitive to air quality. Impacts on sensitive receptors are of particular concern because they are the population most vulnerable to the effects of air pollution. The project site is surrounded primarily by light industrial uses and residential uses. The adjacent land uses to the project site are light industrial uses to the north, west, and south and residential uses to the east.

The closest sensitive receptors to the project site are residential uses, such as single-family homes located adjacent to the east property line at approximately 82 feet from the project site's eastern boundary limit as measured to the residential building facade. Other residential uses are located north of the project site, at approximately 900 ft from the project's northern boundary limit as measured to the residential building façade. In addition, a nature park is located to the south of the proposed project site, within 450 ft from the proposed project site southern boundary as measured to the center of the park.

BACKGROUND

This section provides current background information on air pollutants and GHG and their health effects. It also provides current regulatory background information, including information from the California Air Resources Board's (CARB); a description of the general health risks of toxics, and the significance criteria for project evaluation. In addition, this section provides background information on energy usage in the project area.

AIR POLLUTANTS AND HEALTH EFFECTS

Both State and federal governments have established health-based ambient air quality standards (California Ambient Air Quality Standards [CAAQS] and National Ambient Air Quality Standards [NAAQS], respectively) for six criteria air pollutants:[3] carbon monoxide (CO), ozone (O_3), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), lead (Pb), and suspended particulate matter (PM). In addition, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety. Long-term exposure to elevated levels of criteria pollutants may result in adverse health effects. However, emission thresholds established by an air district are used to manage total regional emissions within an air basin based on the air basin's attainment status for criteria pollutants. These emission thresholds were established for individual projects that would contribute to regional emissions and pollutant concentrations and could adversely affect or delay the projected attainment target year for certain criteria pollutants.

Because of the conservative nature of the thresholds and the basin-wide context of individual project emissions, there is no known direct correlation between a single project and localized air quality-related health effects. One individual project that generates emissions exceeding a threshold does not necessarily result in adverse health effects for residents in the project vicinity. This condition is especially true when the criteria pollutants exceeding thresholds are those with regional effects, such as ozone precursors like nitrogen oxides (NO_X) and volatile organic compounds (VOCs).

Occupants of facilities such as schools, daycare centers, parks and playgrounds, hospitals, and nursing and convalescent homes are considered to be more sensitive than the general public to air pollutants because these population groups have increased susceptibility to respiratory disease. Persons engaged in strenuous outdoor work or exercise also have increased sensitivity to poor air quality. Residential areas are considered more sensitive to air quality conditions, compared to commercial and industrial areas, because people generally spend longer periods of time at their residences, with greater associated exposure to ambient air quality conditions. Recreational uses are also considered sensitive compared to commercial and industrial uses due to greater exposure to ambient air quality conditions associated with exercise.

[3] Criteria pollutants are defined as those pollutants for which the federal and State governments have established ambient air quality standards, or criteria, for outdoor concentrations in order to protect public health.

Ozone

Rather than being directly emitted, ozone (O_3 or smog) is formed by photochemical reactions between NO_X and VOCs. Ozone is a pungent, colorless gas. Elevated ozone concentrations result in reduced lung function, particularly during vigorous physical activity. This health problem is particularly acute in sensitive receptors such as the sick, the elderly, and young children. Ozone levels peak during the summer and early fall months.

Carbon Monoxide

Carbon monoxide (CO) is formed by the incomplete combustion of fossil fuels, almost entirely from automobiles. It is a colorless, odorless gas that can cause dizziness, fatigue, and impairments to central nervous system functions. CO passes through the lungs into the bloodstream, where it interferes with the transfer of oxygen to body tissues.

Particulate Matter

Particulate matter (PM) is the term used for a mixture of solid particles and liquid droplets found in the air. Coarse particles are those that are 10 microns or less in diameter (PM_{10}). Fine, suspended particulate matter with an aerodynamic diameter of 2.5 microns or less ($PM_{2.5}$), is not readily filtered out by the lungs. Nitrates, sulfates, dust, and combustion particulates are major components of PM_{10} and $PM_{2.5}$. These small particles can be directly emitted into the atmosphere as byproducts of fuel combustion; through abrasion, such as tire or brake lining wear; or through fugitive dust (wind or mechanical erosion of soil). They can also be formed in the atmosphere through chemical reactions. Particulates may transport carcinogens and other toxic compounds that adhere to the particle surfaces and can enter the human body through the lungs.

Nitrogen Dioxide

Nitrogen dioxide (NO_2) is a reddish-brown gas that is a byproduct of combustion processes. Automobiles and industrial operations are the main sources of NO_2. Aside from its contribution to ozone formation, NO_2 also contributes to other pollution problems, including a high concentration of fine particulate matter, poor visibility, and acid deposition. NO_2 may be visible as a coloring component on high pollution days, especially in conjunction with high ozone levels. NO_2 decreases lung function and may reduce resistance to infection.

Sulfur Dioxide

Sulfur dioxide (SO_2) is a colorless, irritating gas formed primarily from incomplete combustion of fuels containing sulfur. Industrial facilities also contribute to gaseous SO_2 levels in the region. SO_2 irritates the respiratory tract, can injure lung tissue when combined with fine particulate matter, and reduces visibility and the level of sunlight.

Lead

Leaded gasoline (phased out in the United States beginning in 1973), paint (on older houses and cars), smelters (metal refineries), and the manufacture of lead storage batteries have been the primary sources of lead (Pb) released into the atmosphere. Lead has multiple adverse neurotoxic health effects, and children are at special risk. Some lead-containing chemicals cause cancer in

animals. Lead levels in the air have decreased substantially since leaded gasoline was eliminated. Ambient lead concentrations are only monitored on an as-warranted, site-specific basis in California. On October 15, 2008, the United States Environmental Protection Agency (USEPA) strengthened the NAAQS for lead by lowering it from 1.5 to 0.15 micrograms per cubic meter (µg/m^3). The USEPA revised the monitoring requirements for lead in December 2010. These requirements focus on airports and large urban areas, resulting in an increase in 76 monitors nationally.

Volatile Organic Compounds

VOCs (also known as reactive organic gases [ROGs] and reactive organic compounds [ROCs]) are formed from the combustion of fuels and the evaporation of organic solvents. VOCs are not defined as criteria pollutants; however, because VOCs accumulate in the atmosphere more quickly during the winter, when sunlight is limited and photochemical reactions are slower, they are a prime component of the photochemical smog reaction. There are no attainment designations for VOCs.

Toxic Air Contaminants

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. TACs are injurious in small quantities and are regulated by the USEPA and the CARB. Some examples of TACs include benzene, butadiene, formaldehyde, and hydrogen sulfide. The identification, regulation, and monitoring of TACs is relatively recent compared to that for criteria pollutants.

TACs do not have ambient air quality standards, but are regulated by the USEPA, CARB, and the SCAQMD. In 1998, the CARB identified particulate matter from diesel-fueled engines as a TAC. The CARB has completed a risk management process that identified potential cancer risks for a range of activities using diesel-fueled engines.[4] High-volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic (e.g., distribution centers and truck stops) were identified as posing the highest risk to adjacent receptors. Other facilities associated with increased risk include warehouse distribution centers, large retail or industrial facilities, high-volume transit centers, and schools with a high volume of bus traffic. Health risks from TACs are a function of both concentration and duration of exposure.

Unlike TACs emitted from industrial and other stationary sources noted above, most diesel particulate matter is emitted from mobile sources—primarily "off-road" sources such as construction and mining equipment, agricultural equipment, and truck-mounted refrigeration units, as well as "on-road" sources such as trucks and buses traveling on freeways and local roadways.

Although not specifically monitored, recent studies indicate that exposure to diesel particulate matter may contribute significantly to a cancer risk (a risk of approximately 500 to 700 in 1,000,000) that is greater than all other measured TACs combined.[5] The technology for reducing diesel particulate matter emissions from heavy-duty trucks is well established, and both State and federal agencies are moving aggressively to regulate engines and emission control systems to reduce and remediate diesel

[4] CARB. 2000. Stationary Source Division and Mobile Source Control Division. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.* October.

[5] Ibid.

emissions. The CARB anticipated that by 2020, average statewide diesel particulate matter concentrations will decrease by 85 percent from levels in 2000 with full implementation of the CARB's Diesel Risk Reduction Plan,[6] meaning that the statewide health risk from diesel particulate matter is expected to decrease from 540 cancer cases in 1,000,000 to 21.5 cancer cases in 1,000,000. The CARB 2000 Diesel Risk Reduction Plan is still the most recent version and has not been updated.

Table A summarizes the sources and health effects of air pollutants discussed in this section. Table B presents a summary of CAAQS and NAAQS.

Table A: Sources and Health Effects of Air Pollutants

Pollutants	Sources	Primary Effects
Carbon Monoxide (CO)	• Incomplete combustion of fuels and other carbon-containing substances, such as motor exhaust • Natural events, such as decomposition of organic matter	• Reduced tolerance for exercise • Impairment of mental function • Impairment of fetal development • Death at high levels of exposure • Aggravation of some heart diseases (angina)
Nitrogen Dioxide (NO_2)	• Motor vehicle exhaust • High temperature stationary combustion • Atmospheric reactions	• Aggravation of respiratory illness • Reduced visibility • Reduced plant growth • Formation of acid rain
Ozone (O_3)	• Atmospheric reaction of organic gases with nitrogen oxides in sunlight	• Aggravation of respiratory and cardiovascular diseases • Irritation of eyes • Impairment of cardiopulmonary function • Plant leaf injury
Lead (Pb)	• Contaminated soil	• Impairment of blood functions and nerve construction • Behavioral and hearing problems in children
Suspended Particulate Matter ($PM_{2.5}$ and PM_{10})	• Stationary combustion of solid fuels • Construction activities • Industrial processes • Atmospheric chemical reactions	• Reduced lung function • Aggravation of the effects of gaseous pollutants • Aggravation of respiratory and cardiorespiratory diseases • Increased cough and chest discomfort • Soiling • Reduced visibility
Sulfur Dioxide (SO_2)	• Combustion of sulfur-containing fossil fuels • Smelting of sulfur-bearing metal ores Industrial processes	• Aggravation of respiratory diseases (asthma, emphysema) • Reduced lung function • Irritation of eyes • Reduced visibility • Plant injury • Deterioration of metals, textiles, leather, finishes, coatings, etc.

Source: California Air Resources Board (2015).

[6] CARB. 2000. op. cit.

Table B: Federal and State Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]		Federal Standards[b]		
		Concentration[c]	Method[d]	Primary[c,e]	Secondary[c,f]	Method[g]
Ozone (O_3)[h]	1-Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.07 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM_{10})[i]	24-Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		–		
Fine Particulate Matter ($PM_{2.5}$)[i]	24-Hour	-		35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	9.0 µg/m³	15.0 µg/m3	
Carbon Monoxide (CO)	8-Hour	9.0 ppm (10 mg/m³)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m³)	–	Non-Dispersive Infrared Photometry (NDIR)
	1-Hour	20 ppm (23 mg/m³)		35 ppm (40 mg/m³)		
	8-Hour (Lake Tahoe)	6 ppm (7 mg/m³)		–	–	
Nitrogen Dioxide (NO_2)[j]	Annual Arithmetic Mean	0.03 ppm (57 µg/m³)	Gas Phase Chemi-luminescence	53 ppb (100 µg/m³)	Same as Primary Standard	Gas Phase Chemi-luminescence
	1-Hour	0.18 ppm (339 µg/m³)		100 ppb (188 µg/m³)	-	
Lead (Pb)[l,m]	30-Day Average	1.5 µg/m³	Atomic Absorption	–	–	High-Volume Sampler and Atomic Absorption
	Calendar Quarter	–		1.5 µg/m³ (for certain areas)[l]	Same as Primary Standard	
	Rolling 3-Month Average[i]	–		0.15 µg/m³		
Sulfur Dioxide (SO_2)[k]	24-Hour	0.04 ppm (105 µg/m3)	Ultraviolet Fluorescence	0.14 ppm (for certain areas)	–	Ultraviolet Fluorescence; Spectro-photometry (Pararosaniline Method)
	3-Hour	–		–	0.5 ppm (1300 µg/m³)	
	1-Hour	0.25 ppm (655 µg/m³)		75 ppb (196 µg/m³)[k]	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas)[k]	–	
Visibility-Reducing Particles[l]	8-Hour	See footnote n	Beta Attenuation and Transmittance through Filter Tape.	No Federal Standards		
Sulfates	24-Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[j]	24-Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

Source: California Air Resources Board (2024) (Website: https://www.arb.ca.gov/research/aaqs/aaqs2.pdf).

Table notes are provided on the following page.

[a] California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California Ambient Air Quality Standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[b] National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact USEPA for further clarification and current national policies.

[c] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[d] Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.

[e] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

[f] National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[g] Reference method as described by the USEPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the USEPA.

[h] On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

[i] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. In February 2024, the national annual $PM_{2.5}$ primary standard was lowered from 12 µg/m³ to 9.0 µg/m³; the secondary annual standard remained at 15 µg/m³.The existing national 24- hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

[j] To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

[k] On June 2, 2010, a new 1-hour SO_2 standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

[l] The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[m] The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

[n] In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

°C = degrees Celsius
µg/m³ = micrograms per cubic meter
CARB = California Air Resources Board
mg/m³ = milligrams per cubic meter
ppb = parts per billion
ppm = parts per million
USEPA = United States Environmental Protection Agency

ENERGY

Electricity

Electricity is a manmade resource. The production of electricity requires the consumption or conversion of energy resources (including water, wind, oil, gas, coal, solar, geothermal, and nuclear resources) into energy. Electricity is used for a variety of purposes (e.g., lighting, heating, cooling, and refrigeration, and for operating appliances, computers, electronics, machinery, and public transportation systems).

According to the most recent data available, in 2023, California's electricity was generated primarily by natural gas (43.7 percent), renewable sources (56.1 percent), nuclear (8.2 percent), large hydroelectric (12.6 percent), coal (<1.0 percent), and other and unspecified sources. Total electric generation in California in 2023 was 281,140 gigawatt-hours (GWh), down 2.1 percent from the 2022 total generation of 287,220 GWh.[7]

The project site is within the service territory of Southern California Edison (SCE). SCE provides electricity to more than 15 million people in a 50,000-square-mile (sq mi) area of Central, Coastal, and Southern California.[8] According to the California Energy Commission (CEC), total electricity consumption in the SCE service area in 2022 was 85,870 GWh (31,604 GWh for the residential sector and 54,266 GWh for the non-residential sector). Total electricity consumption in Orange County in 2022 was 20,243.7 GWh (20,243,721,856 kilowatt-hours [kWh]).[9]

Natural Gas

Natural gas is a non-renewable fossil fuel. Fossil fuels are formed when layers of decomposing plant and animal matter are exposed to intense heat and pressure under the surface of the Earth over millions of years. Natural gas is a combustible mixture of hydrocarbon compounds (primarily methane) that is used as a fuel source. Natural gas is found in naturally occurring reservoirs in deep underground rock formations. Natural gas is used for a variety of uses (e.g., heating buildings, generating electricity, and powering appliances such as stoves, washing machines and dryers, gas fireplaces, and gas grills).

Natural gas consumed in California is used for electricity generation (45 percent), residential uses (21 percent), industrial uses (25 percent), and commercial uses (9 percent). California continues to depend on out-of-state imports for nearly 90 percent of its natural gas supply.[10]

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7 California Energy Commission (CEC). 2023. *2023 Total System Electric Generation*. Website: https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/2023-total-system-electric-generation#:~:text=In%202023%2C%20total%20generation%20for,percent%20in% 202022.%20California's%20wide (accessed June 2025).

8 Southern California Edison (SCE). 2020. About Us. Website: https://www.sce.com/about-us/who-we-are (accessed June 2025).

9 CEC. 2020a. Electricity Consumption by County and Entity. Website: http://www.ecdms.energy.ca.gov/elecbycounty.aspx and http://www.ecdms.energy.ca.gov/elecbyutil.aspx (accessed June 2025).

10 CEC. 2021c. Supply and Demand of Natural Gas in California. Website: https://www.energy.ca.gov/data-reports/energy-almanac/californias-natural-gas-market/supply-and-demand-natural-gas-california (accessed June 2025).

The Southern California Gas Company (SoCalGas) is the natural gas service provider for the project site. SoCalGas provides natural gas to approximately 21.8 million people in a 24,000 sq mi service area throughout Central and Southern California, from Visalia to the Mexican border.[11] According to the CEC, total natural gas consumption in the SoCalGas service area in 2022 was 5,026 million therms (2,230 million therms for the residential sector). Total natural gas consumption in Orange County in 2022 was 572.4 million therms (572,454,744 therms).[12]

Fuel

Petroleum is also a non-renewable fossil fuel. Petroleum is a thick, flammable, yellow-to-black mixture of gaseous, liquid, and solid hydrocarbons that occurs naturally beneath the earth's surface. Petroleum is primarily recovered by oil drilling. It is refined into a large number of consumer products, primarily fuel oil, gasoline, and diesel.

The average fuel economy for light-duty vehicles (autos, pickups, vans, and sport utility vehicles [SUVs]) in the United States has steadily increased from about 14.9 miles per gallon (mpg) in 1980 to 22.8 mpg in 2022.[13] Federal fuel economy standards have changed substantially since the Energy Independence and Security Act was passed in 2007. The act, which originally mandated a national fuel economy standard of 35 mpg by year 2020,[14] applies to cars and light trucks of Model Years 2011 through 2020. In March 2020, the USEPA and National Highway Traffic Safety Administration (NHTSA) finalized the Corporate Average Fuel Economy (CAFE) standards for Model Years 2024–2026 Passenger Cars and Light Trucks, further detailed below.

Gasoline is the most used transportation fuel in California, with 97 percent of all gasoline being consumed by light-duty cars, pickup trucks, and SUVs. According to the most recent data available, total gasoline consumption in California was 316,425 thousand barrels or 1,597.6 trillion British Thermal Units (BTU) in 2022.[15] Of the total gasoline consumption, 299,304 thousand barrels or 1,511.2 trillion BTU were consumed for transportation.[16] Based on fuel consumption obtained from CARB's California Emissions Factor Model, Version 2021 (EMFAC2021), approximately 157.5 million gallons of diesel and approximately 1,176.8 million gallons of gasoline will be consumed from vehicle trips in Orange County in 2025.

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11 Southern California Gas Company (SoCalGas). 2020. About SoCalGas. Website: https://www3.socalgas.com/about-us/company-profile (accessed June 2025).

12 CEC. 2020b. Gas Consumption by County and Entity. Website: http://www.ecdms.energy.ca.gov/gasbycounty.aspx and http://www.ecdms.energy.ca.gov/gasbyutil.aspx (accessed June 2025).

13 United States Department of Transportation (USDOT). "Table 4-23: Average Fuel Efficiency of U.S. Light Duty Vehicles." Website: https://www.bts.gov/content/average-fuel-efficiency-us-light-duty-vehicles accessed June 2025).

14 United States Department of Energy. 2007. "Energy Independence & Security Act of 2007." Website: https://www.afdc.energy.gov/laws/eisa (accessed June 2025).

15 A British Thermal Unit is defined as the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit.

16 United States Department of Energy, Energy Information Administration (EIA). 2021. California State Profile and Energy Estimates. Table F3: Motor gasoline consumption, price, and expenditure estimates, 2021. Website: eia.gov/state/seds/data.php?incfile=/state/seds/sep_fuel/html/fuel_mg.html&sid=CA (accessed June 2025).

GREENHOUSE GASES

Global climate change is the observed increase in the average temperature of the Earth's atmosphere and oceans in recent decades. The Earth's average near-surface atmospheric temperature rose 0.6 ± 0.2° Celsius (°C) or 1.1 ± 0.4° Fahrenheit (°F) in the 20th century. The prevailing scientific opinion on climate change is that most of the warming observed over the last 50 years is attributable to human activities. The increased amounts of carbon dioxide (CO_2) and other GHGs are the primary causes of the human-induced component of warming. GHGs are released by the burning of fossil fuels, land clearing, agriculture, and other activities, and lead to an increase in the greenhouse effect.[17]

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- CO_2
- Methane (CH_4)
- Nitrous oxide (N_2O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur hexafluoride (SF_6)

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere, and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include naturally occurring GHGs (e.g., CO_2, methane, and N_2O), some gases (e.g., HFCs, PFCs, and SF_6) are completely new to the atmosphere.

Certain gases (e.g., water vapor) are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation. For the purposes of this air quality analysis, the term "GHGs" will refer collectively to the six gases listed above.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The global warming potential is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere ("atmospheric lifetime"). The GWP of each gas is measured relative to carbon dioxide, the most

[17] The temperature on Earth is regulated by a system commonly known as the "greenhouse effect." Just as the glass in a greenhouse lets heat from sunlight in and reduces the heat escaping, greenhouse gases like carbon dioxide, methane, and nitrous oxide in the atmosphere keep the Earth at a relatively even temperature. Without the greenhouse effect, the Earth would be a frozen globe; thus, although an excess of greenhouse gas results in global warming, the naturally occurring greenhouse effect is necessary to keep our planet at a comfortable temperature.

abundant GHG; the definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of CO_2 equivalents (CO_2e). Table C shows the GWP for each type of GHG. For example, SF_6 is 23,900 times more potent at contributing to global warming than CO_2.

Table C: Global Warming Potential of Greenhouse Gases

Gas	Atmospheric Lifetime (Years)	Global Warming Potential (100-Year Time Horizon)
Carbon Dioxide	50-200	1
Methane	12	25
Nitrous Oxide	114	310
HFC-23	270	11,700
HFC-134a	14	140
HFC-152a	1.4	140
PFC: Tetrafluoromethane (CF_4)	50,000	6,500
PFC: Hexafluoromethane (C_2F_6)	10,000	9,200
Sulfur Hexafluoride (SF_6)	3,200	23,900

Source: *Second Update to the Climate Change Scoping Plan: Building on the Framework* (CARB 2017). Website: www.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2017-scoping-plan-documents (accessed June 2025).
HFC = hydrofluorocarbon
PFC = perfluorocarbon

The following discussion summarizes the characteristics of the six GHGs and black carbon.

Carbon Dioxide

In the atmosphere, carbon generally exists in its oxidized form, as CO_2. Natural sources of CO_2 include the respiration (i.e., breathing) of humans, animals and plants, volcanic out gassing, decomposition of organic matter, and evaporation from the oceans. Human-caused sources of CO_2 include the combustion of fossil fuels and wood, waste incineration, mineral production, and deforestation. Natural sources release approximately 150 billion tons of CO_2 each year, far outweighing the 7 billion tons of man-made emissions of CO_2 each year. Nevertheless, natural removal processes (e.g., photosynthesis by land- and ocean-dwelling plant species) cannot keep pace with this extra input of man-made CO_2, and consequently, the gas is building up in the atmosphere.

In 2021, total annual CO_2 accounted for approximately 81.2 percent of California's overall GHG emissions.[18] Transportation is the single largest source of CO_2 in California, which is primarily comprised of on-road travel. Electricity production, industrial, and residential sources also make important contributions to CO_2 emissions in California.

Methane

Methane (CH_4) is produced when organic matter decomposes in environments lacking sufficient oxygen. Natural sources include wetlands, termites, and oceans. Decomposition occurring in landfills accounts for the majority of human-generated CH_4 emissions in California and in the United States

[18] CARB. 2022c. GHGs Descriptions & Sources in California. Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed June 2025).

as a whole. Agricultural processes such as intestinal fermentation, manure management, and rice cultivation are also significant sources of CH_4 in California. Total annual emissions of CH_4 accounted for approximately 9.8 percent of GHG emissions in California in 2021.[19]

Nitrous Oxide

Nitrous oxide (N_2O) is produced naturally by a wide variety of biological sources, particularly microbial action in soils and water. Tropical soils and oceans account for the majority of natural source emissions. Nitrous oxide is a product of the reaction that occurs between nitrogen and oxygen during fuel combustion. Both mobile and stationary combustion emit N_2O, and the quantity emitted varies according to the type of fuel, technology, and pollution control device used, as well as maintenance and operating practices. Agricultural soil management and fossil fuel combustion are the primary sources of human-generated N_2O emissions in California. N_2O emissions accounted for approximately 3.4 percent of GHG emissions in California in 2021.[20]

Hydrofluorocarbons, Perfluorocarbons, and Sulfur Hexafluoride

HFCs are primarily used as substitutes for ozone-depleting substances regulated under the Montreal Protocol.[21] PFCs and SF_6 are emitted from various industrial processes, including aluminum smelting, semiconductor manufacturing, electric power transmission and distribution, and magnesium casting. There is no aluminum or magnesium production in California; however, the rapid growth in the semiconductor industry leads to greater use of PFCs. HFCs, PFCs, and SF_6 accounted for about 5.6 percent of GHG emissions in California in 2021.[22]

Black Carbon

Black carbon is the most strongly light-absorbing component of PM formed by burning fossil fuels such as coal, diesel, and biomass. Black carbon is emitted directly into the atmosphere in the form of $PM_{2.5}$ and is the most effective form of PM, by mass, at absorbing solar energy. Per unit of mass in the atmosphere, black carbon can absorb one million times more energy than CO_2.[23] Black carbon contributes to climate change both directly, such as absorbing sunlight, and indirectly, such as affecting cloud formation. However, because black carbon is short-lived in the atmosphere, it can be difficult to quantify its effect on global warming.

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19 CARB. 2022c. GHGs Descriptions & Sources in California. Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed June 2025).

20 Ibid.

21 The Montreal Protocol is an international treaty that was approved on January 1, 1989, and was designated to protect the ozone layer by phasing out the production of several groups of halogenated hydrocarbons believed to be responsible for ozone depletion.

22 CARB. 2022c. op. cit.

23 United States Environmental Protection Agency (USEPA). 2015. Black Carbon, Basic Information. February 14, 2017. Website: 19january2017snapshot.epa.gov/www3/airquality/blackcarbon/basic.html (accessed June 2025).

Most United States emissions of black carbon come from mobile sources (52 percent), particularly from diesel-fueled vehicles. The other major source of black carbon is open biomass burning, including wildfires, although residential heating and industry also contribute. CARB estimates that the annual black carbon emissions in California will be reduced approximately 50 percent below 2013 levels by 2030.[24]

[24] CARB. 2017b. *Short-Lived Climate Pollutant Reduction Strategy.* March. Website: https://ww2.arb.ca.gov/sites/default/files/2020-07/final_SLCP_strategy.pdf (accessed June 2025).

REGULATORY SETTING

AIR QUALITY REGULATIONS

The USEPA and the CARB regulate direct emissions from motor vehicles. The SCAQMD is the regional agency primarily responsible for regulating air pollution emissions from stationary sources (e.g., factories) and indirect sources (e.g., traffic associated with new development), as well as monitoring ambient pollutant concentrations.

Federal Regulations

Federal Clean Air Act

The 1970 federal Clean Air Act (CAA) authorized the establishment of national health-based air quality standards and also set deadlines for their attainment. The federal Clean Air Act Amendments of 1990 changed deadlines for attaining national standards as well as the remedial actions required of areas of the nation that exceed the standards. Under the CAA, State and local agencies in areas that exceed the national standards are required to develop State Implementation Plans to demonstrate how they will achieve the national standards by specified dates.

State Regulations

California Clean Air Act

In 1988, the California Clean Air Act (CCAA) required that all air districts in the State endeavor to achieve and maintain CAAQS for CO, O_3, SO_2, and NO_2 by the earliest practical date. The CCAA provides districts with authority to regulate indirect sources and mandates that air quality districts focus particular attention on reducing emissions from transportation and area-wide emission sources. Each nonattainment district is required to adopt a plan to achieve a 5 percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each nonattainment pollutant or its precursors. A Clean Air Plan shows how a district would reduce emissions to achieve air quality standards. Generally, the State standards for these pollutants are more stringent than the national standards.

California Air Resources Board

The CARB is the State's "clean air agency." The CARB's goals are to attain and maintain healthy air quality, protect the public from exposure to toxic air contaminants, and oversee compliance with air pollution rules and regulations.

Assembly Bill 2588 Air Toxics "Hot Spots" Information and Assessment Act. Under Assembly Bill (AB) 2588, stationary sources of air pollutants are required to report the types and quantities of certain substances their facilities routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, identify facilities having localized impacts, determine health risks, and notify nearby residents of significant risks.

Regional Regulations

South Coast Air Quality Management District

The SCAQMD has jurisdiction over most air quality matters in the South Coast Air Basin (Basin). This area includes all of Orange County, Los Angeles County except for the Antelope Valley, the non-desert portion of western San Bernardino County, and the western and Coachella Valley portions of Riverside County. The SCAQMD is the agency principally responsible for comprehensive air pollution control in the Basin and is tasked with implementing certain programs and regulations required by the CAA and the CCAA. The SCAQMD prepares plans to attain CAAQS and NAAQS. SCAQMD is directly responsible for reducing emissions from stationary (area and point) sources. The SCAQMD develops rules and regulations, establishes permitting requirements, inspects emissions sources, and enforces such measures though educational programs or fines, when necessary.

The proposed project would be subject to the following SCAQMD rules and regulations:

- **Regulation IV – Prohibitions:** This regulation sets forth the restrictions for visible emissions, odor nuisance, fugitive dust, various air pollutant emissions, fuel contaminants, start-up/ shutdown exemptions, and breakdown events.
    - **Rule 402 – Nuisance:** This rule restricts the discharge of any contaminant in quantities that cause or have a natural ability to cause injury, damage, nuisance, or annoyance to businesses, property, or the public.
    - **Rule 403 – Fugitive Dust:** This rule requires the prevention, reduction, or mitigation of fugitive dust emissions from a project site. Rule 403 restricts visible fugitive dust to a project property line, restricts the net PM_{10} emissions to less than 50 µg/m^3 and restricts the tracking out of bulk materials onto public roads. Additionally, Rule 403 requires an Applicant to utilize one or more of the best available control measures (identified in the tables within the rule). Control measures may include adding freeboard to haul vehicles, covering loose material on haul vehicles, watering, using chemical stabilizers, and/or ceasing all activities. Finally, Rule 403 requires that a contingency plan be prepared if so determined by the USEPA. In addition, SCAQMD Rule 403(e), Additional Requirements for Large Operations, includes requirements to provide Large Operation Notification Form 403 N, appropriate signage, additional dust control measures, and employment of a dust control supervisor that has successfully completed the Dust Control training class in the South Coast Air Basin.
- **Regulation XI – Source Specific Standards:** Regulation XI sets emissions standards for different sources.
    - **Rule 1113 – Architectural Coatings:** This rule limits the amount of VOCs from architectural coatings and solvents, which lowers the emissions of odorous compounds.
- **Rule 2305 – Warehouse Indirect Source Rule (ISR).** The purpose of this rule is to reduce local and regional emissions of nitrogen oxides and particulate matter, and to facilitate local and regional emission reductions associated with warehouses and the mobile sources attracted to warehouses in order to assist in meeting state and federal air quality standards for ozone and

fine particulate matter. This rule applies to owners and operators of warehouses with at least 100,000 square feet of indoor floor space in a single building. The warehouse rule is a menu-based points system requiring warehouse operators to annually earn a specified number of points. These points can be earned by completing actions from a menu that can include acquiring and using natural gas, Near-Zero Emissions and/or Zero- Emissions on-road trucks, zero-emission cargo handling equipment, solar panels or zero-emission charging and fueling infrastructure, or other options. SCAQMD expects this rule to reduce emissions from warehouse uses by 10–15 percent. On September 11, 2024, the USEPA approved Rule 2305 to reduce pollution from warehouses, as a State implementation plan (SIP) revision.

The SCAQMD is responsible for demonstrating regional compliance with ambient air quality standards but has limited indirect involvement in reducing emissions from fugitive, mobile, and natural sources. To that end, the SCAQMD works cooperatively with the CARB, the Southern California Association of Governments (SCAG), county transportation commissions, local governments, and other federal and State government agencies. It has responded to this requirement by preparing a series of Air Quality Management Plans (AQMPs) to meet CAAQS and NAAQS. SCAQMD and the SCAG are responsible for formulating and implementing the AQMP for the Basin. The main purpose of an AQMP is to bring the area into compliance with federal and State air quality standards. Every 3 years, SCAQMD prepares a new AQMP, updating the previous plan and 20-year horizon.[25]

The Final 2022 AQMP is the currently adopted AQMP. Key elements of the Final 2022 AQMP include the following:

- Calculating and taking credit for co-benefits from other planning efforts (e.g., climate, energy, and transportation);
- A strategy with fair-share emission reductions at the federal, State, and local levels;
- Investment in strategies and technologies meeting multiple air quality objectives;
- Seeking new partnerships and significant funding for incentives to accelerate deployment of zero-emission and near-zero emission technologies;
- Enhanced socioeconomic assessment, including an expanded environmental justice analysis;
- Attainment of the 24-hour $PM_{2.5}$ standard in 2019 with no additional measures;
- Attainment of the annual $PM_{2.5}$ standard by 2025 with implementation of a portion of the O_3 strategy; and
- Attainment of the 1-hour O_3 standard by 2022 with no reliance on “black box” future technology (CAA Section 182(e)(5) measures).

[25] SCAQMD. 2022. *Final 2022 Air Quality Management Plan*. December 2.

The 2022 AQMP builds upon measures already in place from previous AQMPs. It also includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technologies (e.g., zero emissions technologies, when cost-effective and feasible, and low NO_x technologies in other applications), best management practices, co-benefits from existing programs (e.g., climate and energy efficiency), incentives, and other CAA measures to achieve the 2015 8-hour ozone standard.

Southern California Association of Governments

SCAG is a council of governments for Los Angeles, Orange, Riverside, San Bernardino, Imperial, and Ventura Counties. It is a regional planning agency and serves as a forum for regional issues relating to transportation, the economy and community development, and the environment. SCAG is the federally designated Metropolitan Planning Organization (MPO) for the majority of the southern California region and is the largest MPO in the nation. With regard to air quality planning, SCAG prepares the Regional Transportation Plan (RTP) and Regional Transportation Improvement Program (RTIP), which address regional development and growth forecasts and form the basis for the land use and transportation control portions of the AQMP and are utilized in the preparation of the air quality forecasts and consistency analysis included in the AQMP. The RTP, RTIP, and AQMP are based on projections originating within local jurisdictions.

Although SCAG is not an air quality management agency, it is responsible for developing transportation, land use, and energy conservation measures that affect air quality. SCAG's Regional Comprehensive Plan (RCP) provides growth forecasts that are used in the development of air quality-related land use and transportation control strategies by the SCAQMD. The RCP is a framework for decision-making for local governments, assisting them in meeting federal and State mandates for growth management, mobility, and environmental standards, while maintaining consistency with regional goals regarding growth and changes. Policies within the RCP include consideration of air quality, land use, transportation, and economic relationships by all levels of government.

SCAG adopted the 2024–2050 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (Connect SoCal) on April 4, 2024. However, the CARB has not officially approved the 2024-2050 RTP/SCS. Therefore, the 2020–2045 RTP/SCS is the approved version by the CARB. The 2024–2050 RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. The 2024–2050 RTP/SCS is an important planning document for the region, allowing project sponsors to qualify for federal funding and takes into account operations and maintenance costs, to ensure reliability, longevity, and cost effectiveness. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in the 2024–2050 RTP/SCS, would reach the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels).

Local Regulations

City of Lake Forest General Plan

The City of Lake Forest addresses air quality in the Recreation and Resources Element of its General Plan.[26] The Recreation and Resources Element includes goals and policies that work to create a community with optimal air quality for its residents. The following policies from the Recreation and Resources Element are applicable to the proposed project:

- **Policy RR-4.2, Land Use Planning.** Utilize land-use planning techniques to reduce traffic congestion and promote alternative modes of transportation for the community.

- **Policy RR-4.6, Sensitive Receptors.** Insulate sensitive receptors from areas of heightened air quality pollution, including highways, by utilizing land use planning to buffer and protect residential areas.

- **Policy RR-4.7, Mitigation.** Require the implementation of relevant mitigation measures for all future development upon identification of potential air quality impacts.

ENERGY REGULATORY SETTING

Federal and State agencies regulate energy use and consumption through various means and programs. On the federal level, the United States Department of Transportation (USDOT), the United States Department of Energy, and the USEPA are three federal agencies with substantial influence over energy policies and programs. Generally, federal agencies influence and regulate transportation energy consumption through establishment and enforcement of fuel economy standards for automobiles and light trucks, through funding of energy-related research and development projects, and through funding for transportation infrastructure improvements. On the State level, the California Public Utilities Commission (CPUC) and the CEC are two agencies with authority over different aspects of energy.

The CPUC regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies and serves the public interest by protecting consumers and ensuring the provision of safe, reliable utility service and infrastructure at reasonable rates, with a commitment to environmental enhancement and a healthy California economy.

The CEC is the State's primary energy policy and planning agency. The CEC forecasts future energy needs, promotes energy efficiency, supports energy research, develops renewable energy resources, and plans for/directs state response to energy emergencies. The applicable federal, State, regional, and local regulatory framework is discussed below.

[26] City of Lake Forest. 2020. *General Plan, Lake Forest 2040*. June. Website: https://www.lakeforestca.gov/sites/default/files/lake-forest/departments/Lake%20Forest%20General%20Plan%20(excluding %20Housing %20Element)_202110051212558852.pdf (accessed June 2025).

Federal Regulations

Energy Policy Act of 2005

The Energy Policy Act of 2005 seeks to reduce reliance on non-renewable energy resources and provide incentives to reduce current demand on these resources. For example, under this act, consumers and businesses can obtain federal tax credits for purchasing fuel-efficient appliances and products (including hybrid vehicles), building energy-efficient buildings, and improving the energy efficiency of commercial buildings. Additionally, tax credits are available for the installation of qualified fuel cells, stationary microturbine power plants, and solar power equipment.

Corporate Average Fuel Economy (CAFE) Standards

On March 31, 2022, the National Highway Traffic Safety Administration (NHTSA) finalized the Corporate Average Fuel Economy (CAFE) standards for Model Years 2024–2026 Passenger Cars and Light Trucks. The amended CAFE standards would require an industry wide fleet average of approximately 49 mpg for passenger cars and light trucks in model year 2026, by increasing fuel efficiency by 8 percent annually for model years 2024–2025, and 10 percent annually for model year 2026. The final standards are estimated to save about 234 billion gallons of gas between model years 2030 to 2050.

State Regulations

Assembly Bill 1575, Warren-Alquist Act

In 1975, largely in response to the oil crisis of the 1970s, the State Legislature adopted AB 1575 (also known as the Warren-Alquist Act), which created the CEC. The statutory mission of the CEC is to forecast future energy needs; license power plants of 50 megawatts (MW) or larger; develop energy technologies and renewable energy resources; plan for and direct State responses to energy emergencies; and, perhaps most importantly, promote energy efficiency through the adoption and enforcement of appliance and building energy efficiency standards. AB 1575 also amended Public Resources Code (PRC) Section 21100(b)(3) and *State CEQA Guidelines* Section 15126.4 to require Environmental Impact Reports (EIRs) to include, where relevant, mitigation measures (MMs) proposed to minimize the wasteful, inefficient, and unnecessary consumption of energy caused by a project. Thereafter, the State Resources Agency created Appendix F to the *State CEQA Guidelines*. Appendix F assists EIR preparers in determining whether a project will result in the inefficient, wasteful, and unnecessary consumption of energy. Appendix F of the *State CEQA Guidelines* also states that the goal of conserving energy implies the wise and efficient use of energy and the means of achieving this goal, including (1) decreasing overall per capita energy consumption; (2) decreasing reliance on fossil fuels such as coal, natural gas, and oil; and (3) increasing reliance on renewable energy sources.

Senate Bill 1389, Energy: Planning and Forecasting

In 2002, the State Legislature passed Senate Bill (SB) 1389, which required the CEC to develop an integrated energy plan every 2 years for electricity, natural gas, and transportation fuels for the California Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies

a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for zero emission vehicles (ZEVs) and their infrastructure needs, and encouragement of urban designs that reduce vehicle miles traveled (VMT) and accommodate pedestrian and bicycle access.

In compliance with the requirements of SB 1389, the CEC adopts an Integrated Energy Policy Report every 2 years and an update every other year. The most recently adopted report includes the *2023 Integrated Energy Policy Report.*[27] The *Integrated Energy Policy Report* covers a broad range of topics, including decarbonizing buildings, integrating renewables, energy efficiency, energy equity, integrating renewable energy, updates on Southern California electricity reliability, climate adaptation activities for the energy sector, natural gas assessment, transportation energy demand forecast, and the California Energy Demand Forecast. The *Integrated Energy Policy Report* provides the results of the CEC's assessments of a variety of energy issues facing California. Many of these issues will require action if the State is to meet its climate, energy, air quality, and other environmental goals while maintaining energy reliability and controlling costs.

Renewable Portfolio Standard

SB 1078 established the California Renewable Portfolio Standards program in 2002. SB 1078 initially required that 20 percent of electricity retail sales be served by renewable resources by 2017; however, this standard has become more stringent over time. In 2006, SB 107 accelerated the standard by requiring that the 20 percent mandate be met by 2010. In April 2011, SB 2 required that 33 percent of electricity retail sales be served by renewable resources by 2020. In 2015, SB 350 established tiered increases to the Renewable Portfolio Standards of 40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. In 2018, SB 100 increased the requirement to 60 percent by 2030 and required that all the State's electricity come from carbon-free resources by 2045. SB 100 took effect on January 1, 2019.[28]

California Energy Code

Energy consumption by new buildings in California is regulated by the Building Energy Efficiency Standards in Part 6 of Title 24 of the California Code of Regulations (CCR), known as the Energy Code. The CEC first adopted the Building Energy Efficiency Standards for Residential and Non-residential Buildings in 1978 in response to a legislative mandate to reduce energy consumption in the State. The Energy Code is updated every 3 years, with the most recent update consisting of the 2022 Energy Code that became effective January 1, 2023. Mid-cycle supplements to the 2022 Energy Code will become effective on July 1, 2024. The efficiency standards apply to both new construction and rehabilitation of both residential and nonresidential buildings, and regulate energy consumed for heating, cooling, ventilation, water heating, and lighting. The building efficiency standards are enforced through the local building permit process. Local government agencies may adopt and enforce energy standards for new buildings, provided these standards meet or exceed those provided in the Energy Code.

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27 CEC. 2023. *2023 Integrated Energy Policy Report*. California Energy Commission. Docket Number: 23-IEPR-01.

28 California Public Utilities Commission (CPUC). 2019. Renewables Portfolio Standard Program. Website: cpuc.ca.gov/rps (accessed June 2025).

California Green Building Standards Code

In 2010, the California Building Standards Commission (CBSC) adopted Part 11 of the Title 24 Building Energy Efficiency Standards, referred to as the CALGreen Code. The CALGreen Code took effect on January 1, 2011. The CALGreen Code is updated on a regular basis, with the most recent update consisting of the 2022 CALGreen Code standards that became effective January 1, 2023. The CALGreen Code established mandatory measures for residential and nonresidential building construction and encouraged sustainable construction practices in the following five categories: (1) planning and design, (2) energy efficiency, (3) water efficiency and conservation, (4) material conservation and resource efficiency, and (5) indoor environmental quality. Although the CALGreen Code was adopted as part of the State's efforts to reduce GHG emissions, the CALGreen Code standards have co-benefits of reducing energy consumption from residential and nonresidential buildings subject to the standard.

California Energy Efficiency Strategic Plan

On September 18, 2008, the CPUC adopted California's first Long-Term Energy Efficiency Strategic Plan, presenting a roadmap for energy efficiency in California. The Plan articulates a long-term vision and goals for each economic sector and identifies specific near-term, mid-term, and long-term strategies to assist in achieving those goals. The Plan also reiterates the following four specific programmatic goals known as the "Big Bold Energy Efficiency Strategies" that were established by the CPUC in Decisions D.07-10-032 and D.07-12-051:

- All new residential construction will be zero net energy (ZNE) by 2020.
- All new commercial construction will be ZNE by 2030.
- 50 percent of commercial buildings will be retrofitted to ZNE by 2030.
- 50 percent of new major renovations of State buildings will be ZNE by 2025.

Regional Regulations

There are no regional regulations that apply to the proposed project.

Local Regulations

City of Lake Forest General Plan

The City of Lake Forest addresses energy in the Public Facilities Element of the General Plan.[29] The Public Facilities Element includes goals and policies that work to provide a community with adequate power, provided through economically and environmentally sustainable means. The following policies are applicable to the proposed project:

- **Policy PF-6.1, Compliance with State Legislation.** Comply with all state requirements regarding the generation of power and encourage energy providers to investigate the use or expansion of renewable sources of energy.

[29] City of Lake Forest. 2020. *General Plan, Lake Forest 2040*. June. Website: https://www.lakeforestca.gov/sites/default/files/lake-forest/departments/Lake%20Forest%20General%20Plan%20(excluding%20Housing%20Element)_202110051212558852.pdf (accessed June 2025).

- **Policy PF-6.2, New Development.** Continue to require new development and redevelopment to provide verification from energy utilities that states they are able to accommodate the additional demand for service.

- **Policy PF-6.4, Business Community.** Support the decisions of the Lake Forest business community as they select and implement the most appropriate, financially feasible, and responsible energy source for their individual operations.

- **Policy PF-6.5, Conservation.** Promote conservation strategies during design, construction, and maintenance of facilities.

- **Policy PF-6.8, Innovation.** Encourage innovative energy management solutions in new developments.

GREENHOUSE GAS REGULATORY SETTING

This section describes regulations related to global climate change at the federal, State, and local level.

Federal Regulations

The United States has historically had a voluntary approach to reducing GHG emissions. However, on April 2, 2007, the United States Supreme Court ruled that the USEPA has the authority to regulate CO_2 emissions under the CAA.

Although there currently are no adopted federal regulations for the control or reduction of GHG emissions, the USEPA commenced several actions in 2009 to implement a regulatory approach to global climate change, including the 2009 USEPA final rule for mandatory reporting of GHGs from large GHG emission sources in the United States. Additionally, the USEPA Administrator signed an endangerment finding action in 2009 under the CAA, finding that seven GHGs (CO_2, CH_4, N_2O, HFCs, NF_3, PFCs, and SF_6) constitute a threat to public health and welfare, and that the combined emissions from motor vehicles cause and contribute to global climate change, leading to national GHG emission standards.

State Regulations

The CARB is the lead agency for implementing climate change regulations in the State. Since its formation, the CARB has worked with the public, the business sector, and local governments to find solutions to California's air pollution problems. Key efforts by the State are described below.

Assembly Bill 1493 (2002)

In a response to the transportation sector's significant contribution to California's CO_2 emissions, AB 1493 was enacted on July 22, 2002. AB 1493 requires the CARB to set GHG emission standards for passenger vehicles and light duty trucks (and other vehicles whose primary use is noncommercial personal transportation in the State) manufactured in 2009 and all subsequent model years. These standards (starting in model years 2009 to 2016) were approved by the CARB in 2004, but the needed waiver of CCAA Preemption was not granted by the USEPA until June 30, 2009. The CARB

responded by amending its original regulation, now referred to as Low Emission Vehicle III, to take effect for model years starting in 2017 to 2025. The Trump administration revoked California's waiver in 2019; however, the Biden administration restored California's waiver in 2021.

Executive Order S-3-05 (2005)

Governor Arnold Schwarzenegger signed Executive Order (EO) S-3-05 on June 1, 2005, which proclaimed that California is vulnerable to the impacts of climate change. To combat those concerns, the executive order established California's GHG emissions reduction targets, which established the following goals:

- GHG emissions should be reduced to 2000 levels by 2010;
- GHG emissions should be reduced to 1990 levels by 2020; and
- GHG emissions should be reduced to 80 percent below 1990 levels by 2050.

The Secretary of the California Environmental Protection Agency (CalEPA) is required to coordinate efforts of various State agencies in order to collectively and efficiently reduce GHGs. A biannual progress report must be submitted to the Governor and State Legislature disclosing the progress made toward GHG emission reduction targets. In addition, another biannual report must be submitted illustrating the impacts of global warming on California's water supply, public health, agriculture, the coastline, and forestry, and report possible mitigation and adaptation plans to address these impacts.

The Secretary of CalEPA leads this climate action team (CAT) made up of representatives from State agencies as well as numerous other boards and departments. The CAT members work to coordinate statewide efforts to implement global warming emission reduction programs and the State's Climate Adaptation Strategy. The CAT is also responsible for reporting on the progress made toward meeting the statewide GHG targets that were established in the executive order and further defined under AB 32, the "Global Warming Solutions Act of 2006." The first CAT Report to the Governor and the Legislature was released in March 2006, which it laid out 46 specific emission reduction strategies for reducing GHG emissions and reaching the targets established in the executive order. The most recent report was released in December 2020.

Assembly Bill 32 (2006), California Global Warming Solutions Act

California's major initiative for reducing GHG emissions is AB 32, passed by the State legislature on August 31, 2006. This effort aims at reducing GHG emissions to 1990 levels by 2020. The CARB has established the level of GHG emissions in 1990 at 427 million metric tons (MMT) of CO_2e (MMT CO_2e). The emissions target of 427 MMT CO_2e requires the reduction of 169 MMT CO_2e from the State's projected business-as-usual (BAU) 2020 emissions of 596 MMT CO_2e. AB 32 requires the CARB to prepare a Scoping Plan that outlines the main State strategies for meeting the 2020 deadline and to reduce GHGs that contribute to global climate change. The Scoping Plan was approved by the CARB on December 11, 2008, and contains the main strategies California will implement to achieve the reduction of approximately 169 MMT CO_2e, or approximately 30 percent, from the State's projected 2020 emissions level of 596 MMT CO_2e under a BAU scenario (this is a reduction of 42 MMT CO_2e, or almost 10 percent from 2002–2004 average emissions). The Scoping Plan also includes CARB-recommended GHG reductions for each emissions sector of the State's GHG

inventory. The Scoping Plan calls for the largest reductions in GHG emissions to be achieved by implementing the following measures and standards:

- Improved emissions standards for light-duty vehicles (estimated reductions of 31.7 MMT CO_2e);
- The Low-Carbon Fuel Standard (15.0 MMT CO_2e);
- Energy efficiency measures in buildings and appliances and the widespread development of combined heat and power systems (26.3 MMT CO_2e); and
- A renewable portfolio standard for electricity production (21.3 MMT CO_2e).

The CARB approved the *First Update to the Climate Change Scoping Plan* on May 22, 2014. The First Update identifies opportunities to leverage existing and new funds to further drive GHG emission reductions through strategic planning and targeted low carbon investments. The First Update defines CARB climate change priorities until 2020, and also sets the groundwork to reach long-term goals set forth in EOs S-3-05 and B-16-2012. The update highlights California's progress toward meeting the "near-term" 2020 GHG emission reduction goals as defined in the initial Scoping Plan. It also evaluates how to align the State's "longer-term" GHG reduction strategies with other State policy priorities for water, waste, natural resources, clean energy, transportation, and land use. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[30] to reflect the 2030 target set by EO B-30-15 and codified by SB 32.

The 2022 Scoping Plan[31] was approved in December 2022 and assesses progress towards achieving the SB 32 2030 target and lays out a path to achieve carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

The 2022 Scoping Plan focuses on building clean energy production and distribution infrastructure for a carbon-neutral future, including transitioning existing energy production and transmission infrastructure to produce zero-carbon electricity and hydrogen and utilizing biogas resulting from wildfire management or landfill and dairy operations, among other substitutes. The 2022 Scoping Plan states that in almost all sectors, electrification will play an important role. The 2022 Scoping Plan evaluates clean energy and technology options and the transition away from fossil fuels, including adding four times the solar and wind capacity by 2045 and about 1,700 times the amount of current hydrogen supply. As discussed in the 2022 Scoping Plan, EO N-79-20 requires that all new passenger vehicles sold in California will be zero-emission by 2035, and all other fleets will have transitioned to zero-emission as fully possible by 2045, which will reduce the percentage of fossil fuel combustion vehicles.

30 CARB. 2017a. *California's 2017 Climate Change Scoping Plan*. November.

31 CARB. 2022a. *2022 Scoping Plan Update*. May 10. Website: https://ww2.arb.ca.gov/sites/default/files/2022-12/2022-sp.pdf (accessed June 2025).

Senate Bill 97 (2007)

SB 97, signed by the Governor in August 2007 (Chapter 185, Statutes of 2007; PRC Sections 21083.05 and 21097), acknowledges climate change is a prominent environmental issue that requires analysis under CEQA. This bill directed the Governor's Office of Planning and Research (OPR) to prepare, develop, and transmit to the California Resources Agency guidelines for mitigating GHG emissions or the effects of GHG emissions, as required by CEQA.

The California Natural Resources Agency adopted the amendments to the *State CEQA Guidelines* in November 2018, which went into effect in December 2018. The amendments do not identify a threshold of significance for GHG emissions, nor do they prescribe assessment methodologies or specific MMs. The amendments encourage lead agencies to consider many factors in performing a CEQA analysis, but preserve the discretion granted by CEQA to lead agencies in making their own determinations based on substantial evidence. The amendments also encourage public agencies to make use of programmatic mitigation plans and programs when they perform individual project analyses.

Senate Bill 375 (2008)

Signed into law on October 1, 2008, SB 375 supplements GHG reductions from new vehicle technology and fuel standards with reductions from more efficient land use patterns and improved transportation. Under the law, CARB-approved GHG reduction targets in February 2011 for California's 18 federally designated regional planning bodies, known as MPOs. CARB may update the targets every 4 years and must update them every 8 years. MPOs, in turn, must demonstrate how their plans, policies, and transportation investments meet the targets set by CARB through Sustainable Community Strategies (SCSs). The SCSs are included with the Regional Transportation Plan (RTP), a report required by State law. However, if an MPO finds that its SCS will not meet the GHG reduction targets, it may prepare an Alternative Planning Strategy. The Alternative Planning Strategy identifies the impediments to achieving the targets.

Executive Order B-30-15 (2015)

Governor Jerry Brown signed EO B-30-15 on April 29, 2015, which added the immediate target of:

- GHG emissions should be reduced to 40 percent below 1990 levels by 2030.

All State agencies with jurisdiction over sources of GHG emissions were directed to implement measures to achieve reductions of GHG emissions to meet the 2030 and 2050 targets. CARB was directed to update the AB 32 Scoping Plan to reflect the 2030 target and, therefore, is moving forward with the update process. The mid-term target is critical to help frame the suite of policy measures, regulations, planning efforts, and investments in clean technologies and infrastructure needed to continue reducing emissions.

Senate Bill 350 (2015) Clean Energy and Pollution Reduction Act

SB 350, signed by Governor Jerry Brown on October 7, 2015, updates and enhances AB 32 by introducing the following set of objectives in clean energy, clean air, and pollution reduction for 2030:

- Raise California's renewable portfolio standard from 33 percent to 50 percent; and
- Increasing energy efficiency in buildings by 50 percent by the year 2030.

The 50 percent renewable energy standard will be implemented by the CPUC for the private utilities and by the CEC for municipal utilities. Each utility must submit a procurement plan showing it will purchase clean energy to displace other non-renewable resources. The 50 percent increase in energy efficiency in buildings must be achieved through the use of existing energy efficiency retrofit funding and regulatory tools already available to state energy agencies under existing law. The addition made by this legislation requires state energy agencies to plan for and implement those programs in a manner that achieves the energy efficiency target.

Senate Bill 32, California Global Warming Solutions Act of 2016, and Assembly Bill 197

In summer 2016 the Legislature passed, and the Governor signed, SB 32, and AB 197. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in Governor Brown's April 2015 EO B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels, consistent with an Intergovernmental Panel on Climate Change (IPCC) analysis of the emissions trajectory that would stabilize atmospheric GHG concentrations at 450 parts per million CO_2e and reduce the likelihood of catastrophic impacts from climate change.

The companion bill to SB 32, AB 197, provides additional direction to CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 meant to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100, which raises California's Renewables Portfolio Standard (RPS) requirements to 60 percent by 2030, with interim targets, and 100 percent by 2045. The bill also establishes a state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all State agencies by December 31, 2045. Under the bill, the State cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Executive Order B-55-18

EO B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." EO B-55-18 directs CARB to work with relevant state agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

Title 24, Part 11, Building Standards Code and CALGreen Code

In November 2008, the CBSC established the CALGreen Code, which sets performance standards for residential and non-residential development to reduce environmental impacts and encourage sustainable construction practices. The CALGreen Code addresses energy efficiency, water conservation, material conservation, planning and design, and overall environmental quality. The CALGreen Code is updated every 3 years and was most recently updated in 2022 to include new mandatory measures for residential as well as non-residential uses; the new measures took effect on January 1, 2023. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions.

California Building Efficiency Standards (Title 24, Part 6)

The CBSC, or Title 24 of the CCR contains the regulations that govern the construction of buildings in California. Within the California Building Standards Code, two parts pertain to the incorporation of both energy efficient and green building elements into land use development. Part 6 is California's Energy Efficiency Standards for Residential and Non-Residential Buildings. These standards were first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption and are updated on an approximately 3-year cycle to allow consideration and possible incorporation of new energy efficient technologies and methods. All buildings for which an application for a building permit is submitted on or after January 1, 2023, must follow the 2022 standards. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions.

Executive Order N-79-20, Executive Order B-48-18, Low Carbon Fuel Standard and the Advanced Clean Cars Program

EO N-79-20, which was signed by the Governor on September 23, 2020, sets the following goals for the State: 100 percent of in-state sales of new passenger cars and trucks shall be zero-emission by 2035; 100 percent of medium- and heavy-duty vehicles in the State shall be zero-emission by 2045 for all operations where feasible and by 2035 for drayage trucks; and 100 percent of off-road vehicles and equipment in the State shall be zero-emission by 2035, where feasible. EO B-48-18 requires all State entities to work with the private sector to have at least 5 million ZEVs on the road by 2030, as well as install 200 hydrogen fueling stations and 250,000 EV charging stations by 2025. This order also requires all State entities to continue to partner with local and regional governments to streamline the installation of ZEV infrastructure. EO S-01-07 calls for a statewide goal to be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020, and that a Low Carbon Fuel Standard (LCFS) for transportation fuels be established for California. In 2018, CARB approved amendments to the LCFS regulation to readjust carbon intensity benchmarks to meet California's 2030 GHG reductions targets under SB 32. These amendments include opportunities to promote zero emission vehicle (ZEV) adoption, carbon capture and sequestration, and advanced technologies for decarbonization of the transportation sector. Furthermore, CARB adopted the Advanced Clean Cars program, which combines the control of GHG emissions and criteria air pollutants, as well as requirements for greater numbers of ZEVs, into a single package of regulatory standards for vehicle model years 2017 through 2025. The program's ZEVs regulation requires battery, fuel cell, and/or plug-in hybrid electric vehicles to account for up to 15 percent of California's new vehicle sales by 2025.

California Integrated Waste Management Act

To minimize the amount of solid waste that must be disposed of in landfills, the State Legislature passed the California Integrated Waste Management Act of 1989 (AB 939), effective January 1990.According to AB 939, all cities and counties were required to divert 25 percent of all solid waste from landfill facilities by January 1, 1995, and 50 percent by January 1, 2000. In 2011, AB 341 modified the California Integrated Waste Management Act and directed the California Department of Resources Recycling and Recovery (CalRecycle) to develop and adopt regulations for mandatory commercial recycling. AB 341 also established a statewide recycling goal of 75 percent; the 50 percent disposal reduction mandate still applies for cities and counties under AB 939. In April 2016, AB 1826 further modified the California Integrated Waste Management Act, requiring businesses that generate a specified amount of organic waste per week to arrange for recycling services for that organic waste in a specified manner.

Regional Regulations

South Coast Air Quality Management District

In 2008, the SCAQMD formed a Working Group to identify GHG emissions thresholds for land use projects that could be used by local lead agencies in the Basin. The Working Group developed several different options that are contained in the SCAQMD 2008 draft guidance document titled *Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans*[32] that could be applied by lead agencies. On September 28, 2010, SCAQMD Working Group Meeting No. 15 provided further guidance, including a tiered approach for evaluating GHG emissions for development projects where the SCAQMD is not the lead agency. The SCAQMD has not presented a finalized version of these thresholds to the governing board.

The SCAQMD identifies the emissions level for which a project would not be expected to substantially conflict with any State legislation adopted to reduce statewide GHG emissions. As such, the utilization of a service population represents the rates of emissions needed to achieve a fair share of the State's mandated emissions reductions. Overall, the SCAQMD identifies a GHG efficiency level that, when applied statewide or to a defined geographic area, would meet the year 2020 and post-2020 emissions targets as required by AB 32 and SB 32. If projects are able to achieve targeted rates of emissions per the service population, the State will be able to accommodate expected population growth and achieve economic development objectives, while also abiding by AB 32's emissions target and future post-2020 targets.

Southern California Association of Governments

On April 4, 2024, SCAG adopted the 2024–2050 RTP/SCS.[33] In general, the SCS outlines a development pattern for the region, which, when integrated with the transportation network and other transportation measures and policies, would reduce VMT from automobiles and light-duty trucks and thereby reduce GHG emissions from these sources. For the SCAG region, CARB has set GHG reduction targets at 8 percent below 2005 per capita emissions levels by 2020, and 19 percent

[32] SCAQMD. 2008b. Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans.

[33] Southern California Association of Governments (SCAG). 2024. Connect SoCal: The 2024–2050 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments. Website: https://scag.ca.gov/connect-socal (accessed June 2025).

below 2005 per capita emissions levels by 2035. The RTP/SCS lays out a strategy for the region to meet these targets. Overall, the SCS is meant to provide growth strategies that will achieve the regional GHG emissions reduction targets. Land use strategies to achieve the region's targets include planning for new growth around high-quality transit areas and livable corridors and creating neighborhood mobility areas to integrate land use and transportation and plan for more active lifestyles.[34] However, the SCS does not require that local General Plans, Specific Plans, or zoning be consistent with the SCS; SCAG is required to consider local land use controls when drafting the SCS.

Local Regulations

City of Lake Forest General Plan.

The City of Lake Forest addresses GHGs in the Recreation and Resources Element of its General Plan.[35] The Recreation and Resources Element includes goals and policies that work to create a community with optimal air quality for its residents. The following policies from the Recreation and Resources Element are applicable to the proposed project:

- **Policy RR-4.8, Local Reduction Targets.** The City of Lake Forest establishes the following per capita GHG reduction targets, in order to meet the requirements established by the State under AB 32 and SB 32, consistent with the CARB's 2017 Scoping Plan:
    - 3.99 metric tons (MT) of CO_2e (MT CO_2e) per capita by 2030;
    - 2.66 MT CO_2e per capita by 2040; and
    - 1.33 MT CO_2e per capita by 2050.
- **Policy RR-4.9, GHG Reduction.** Consider and adopt new policies and programs that will help to provide energy efficient alternatives to fossil fuel use and reduce consumption in order to reduce greenhouse gas emissions.
- **Policy RR-4.10, Carbon Reduction.** Expand the number of parks and trees in Lake Forest to provide a larger carbon sink or area containing natural sources that retain more carbon than what those sources emit.

[34] Southern California Association of Governments (SCAG). 2024. Connect SoCal: The 2024–2050 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments. Website: https://scag.ca.gov/connect-socal (accessed June 2025).

[35] City of Lake Forest. 2020. *General Plan, Lake Forest 2040*. June. Website: https://www.lakeforestca.gov/sites/default/files/lake-forest/departments/Lake%20Forest%20General%20Plan%20(excluding%20Housing%20Element)_20211005121255885 2.pdf (accessed June 2025).

SETTING

This section provides the current SCAQMD attainment status, climate and air quality, ambient air quality monitoring results, and GHG emissions inventory.

ATTAINMENT STATUS

The CARB is required to designate areas of the state as attainment, nonattainment, or unclassified for all State standards. An *attainment* designation for an area signifies that pollutant concentrations did not violate the standard for that pollutant in that area. A *nonattainment* designation indicates that a pollutant concentration violated the standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. An *unclassified* designation signifies that data do not support either an attainment or nonattainment status. The CCAA divides districts into moderate, serious, and severe air pollution categories, with increasingly stringent control requirements mandated for each category.

The USEPA designates areas for O_3, CO, and NO_2 as either does not meet the primary standards, or cannot be classified, or better than national standards. For SO_2, areas are designated as does not meet the primary standards, does not meet the secondary standards, cannot be classified, or better than national standards. On February 2024, the USEPA issued a final revised standard for $PM_{2.5}$ to lower the primary standard from 12 µg/m^3 to 9 µg/m^3. The USEPA will issue final area designations in February 2026.

Table D provides a summary of the attainment status for the Basin with respect to NAAQS and CAAQS.

Table D: Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	State	Federal
O_3 1 hour	Nonattainment	Extreme Nonattainment
O_3 8 hour	Nonattainment	Extreme Nonattainment
PM_{10}	Nonattainment	Attainment/Maintenance
$PM_{2.5}$	Nonattainment	Serious Nonattainment
CO	Attainment	Attainment/Maintenance
NO_2	Attainment	Attainment/Maintenance
SO_2	N/A	Attainment/Unclassified
Lead	Attainment	Attainment[1]
All others	Attainment/Unclassified	Attainment/Unclassified

Source: SCAQMD (2018).

[1] Except in Los Angeles County.

CO = carbon monoxide
N/A = not applicable
NO_2 = nitrogen dioxide
O_3 = ozone
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SCAQMD = South Coast Air Quality Management District
SO_2 = sulfur dioxide

EXISTING CLIMATE AND AIR QUALITY

Air quality in the planning area is not only affected by various emission sources (e.g., mobile and industry), but also by atmospheric conditions (e.g., wind speed, wind direction, temperature, and rainfall). The combination of topography, low mixing height, abundant sunshine, and emissions from the second-largest urban area in the United States gives the Basin some of the worst air pollution in the nation.

The annual average temperature varies little throughout the Basin, ranging from the low to middle 60s°F. With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The climatological station closest to the site is the Laguna Beach Station.[36] The monthly average maximum temperature recorded at this station ranged from 65.1°F in January to 78.1°F in August, with an annual average maximum of 71.2°F. The monthly average minimum temperature recorded at this station ranged from 43.0°F in January to 59.6°F in August, with an annual average minimum of 51.0°F. These levels are representative of the project area.

The majority of annual rainfall in the Basin occurs between November and March. Summer rainfall is minimal and is generally limited to scattered thundershowers in coastal regions and slightly heavier showers in the eastern portion of the Basin and along the coastal side of the mountains. Average monthly rainfall at the Laguna Beach station varied from 0.03 inch in July to 2.77 inches in February, with an annual total of 12.52 inches. Patterns in monthly and yearly rainfall totals are unpredictable due to fluctuations in the weather.

The Basin experiences a persistent temperature inversion (increasing temperature with increasing altitude) as a result of the Pacific high. This inversion limits the vertical dispersion of air contaminants, holding them relatively near the ground. As the sun warms the ground and the lower air layer, the temperature of the lower air layer approaches the temperature of the base of the inversion (upper) layer until the inversion layer finally breaks, allowing vertical mixing with the lower layer. This phenomenon is observed in mid-afternoon to late afternoon on hot summer days when the air appears to clear up suddenly. Winter inversions frequently break by midmorning.

Winds in the project area blow predominantly from the south-southwest, with relatively low velocities. Wind speeds in the project area average about 5 miles per hour (mph). Summer wind speeds average slightly higher than winter wind speeds. Low average wind speeds, together with a persistent temperature inversion, limit the vertical dispersion of air pollutants throughout the Basin. Strong, dry, north or northeasterly winds, known as Santa Ana winds, occur during the fall and winter months, dispersing air contaminants. The Santa Ana conditions tend to last for several days at a time.

The combination of stagnant wind conditions and low inversions produces the greatest pollutant concentrations. On days of no inversion or high wind speeds, ambient air pollutant concentrations are the lowest. During periods of low inversions and low wind speeds, air pollutants generated in urbanized areas are transported predominantly on shore into Riverside and San Bernardino Counties. In the winter, the greatest pollution problems are CO and NO_X because of extremely low

[36] Western Regional Climate Center. Recent Climate in the West. Website: http://www.wrcc.dri.edu, (accessed June 2025).

inversions and air stagnation during the night and early morning hours. In the summer, the longer daylight hours and brighter sunshine combine to cause a reaction between hydrocarbons and NO_x to form photochemical smog. Smog is a general term that is naturally occurring fog that has become mixed with smoke or pollution. In this context it is better described as a form of air pollution produced by the photochemical reaction of sunlight with pollutants that have been released into the atmosphere, especially by automotive emissions.

AIR QUALITY MONITORING RESULTS

Air quality monitoring stations are located throughout the nation and are maintained by the local air pollution control district and State air quality regulating agencies. The SCAQMD, together with the CARB, maintains ambient air quality monitoring stations in the Basin. The air quality monitoring stations closest to the project site are located at 26081 Via Pera in Mission Viejo and 1630 West Pampas Lane in Anaheim.

Pollutant monitoring results for years 2021 to 2023 at the Mission Viejo and Anaheim ambient air quality monitoring stations, shown in Table E, indicate that air quality in the area has generally been good. As indicated in the monitoring results, the federal PM_{10} standard had no exceedances in the 3-year period. The State PM_{10} standard had no exceedances in 2021 and 2022 and an unknown number of exceedances in 2023. Similarly, the $PM_{2.5}$ federal standard had no exceedances in 2021 and 2022 and an unknown number of exceedances in 2023. The 1-hour ozone State standard was exceeded two times in 2021, one time in 2022, and an unknown number of times in 2023. The 8-hour ozone State standard was exceeded eight times in 2021, six times in 2022, and an unknown number of times in 2023. The 8-hour ozone federal standard was exceeded eight times in 2021, five times in 2022, and two times in 2023. In addition, the CO and NO_2 standards were not exceeded in this area during the 3-year period. SO_2 is not monitored in the project area.

GREENHOUSE GAS EMISSIONS INVENTORY

An emissions inventory that identifies and quantifies the primary human-generated sources and sinks of GHGs is a well-recognized and useful tool for addressing climate change. This section summarizes the latest information on global, United States, and California GHG emissions inventories.

Global Emissions

Worldwide emissions of GHGs in 2020 totaled 22.9 billion MT CO_2e. Global estimates are based on country inventories developed as part of the programs of the United Nations Framework Convention on Climate Change (UNFCCC).[37]

[37] United Nations Framework Convention on Climate Change (UNFCCC). 2021. GHG Data from UNFCCC. Website: unfccc.int/process-and-meetings/transparency-and-reporting/greenhouse-gas-data/ghg-data-unfccc/ghg-data-from-unfccc (accessed June 2025).

Table E: Ambient Air Quality at the Nearby Monitoring Stations

Pollutant	Standard	2021	2022	2023
Carbon Monoxide (CO)[1]				
Maximum 1-hour concentration (ppm)		1.0	1.2	2.5
Number of days exceeded:	State: > 20 ppm	0	0	0
	Federal: > 35 ppm	0	0	0
Maximum 8-hour concentration (ppm)		0.8	1.0	1.6
Number of days exceeded:	State: > 9 ppm	0	0	0
	Federal: > 9 ppm	0	0	0
Ozone (O_3)[1]				
Maximum 1-hour concentration (ppm)		0.105	0.110	0.089
Number of days exceeded:	State: > 0.09 ppm	2	1	ND
Maximum 8-hour concentration (ppm)		0.081	0.088	0.076
Number of days exceeded:	State: > 0.07 ppm	8	6	ND
	Federal: > 0.07 ppm	8	5	2
Coarse Particulates (PM_{10})[1]				
Maximum 24-hour concentration (µg/m³)		35.2	31.0	146.0
Number of days exceeded:	State: > 50 µg/m³	0	0	ND
	Federal: > 150 µg/m³	0	0	0
Annual arithmetic average concentration (µg/m³)		16.2	12.7	ND
Exceeded for the year:	State: > 20 µg/m³	No	No	ND
	Federal: > 50 µg/m³	No	No	ND
Fine Particulates ($PM_{2.5}$)[1]				
Maximum 24-hour concentration (µg/m³)		32.6	22.6	50.7
Number of days exceeded:	Federal: > 35 µg/m³	0	0	ND
Annual arithmetic average concentration (µg/m³)		9.3	ND	9.5
Exceeded for the year:	State: > 12 µg/m³	No	ND	No
	Federal: > 15 µg/m³	No	ND	No
Nitrogen Dioxide (NO_2)[2]				
Maximum 1-hour concentration (ppm)		0.067	0.053	0.051
Number of days exceeded:	State: > 0.250 ppm	0	0	ND
Annual arithmetic average concentration (ppm)		0.012	0.011	0.010
Exceeded for the year:	Federal: > 0.053 ppm	No	No	No
Sulfur Dioxide (SO_2)				
Maximum 1-hour concentration (ppm)		ND	ND	ND
Number of days exceeded:	State: > 0.25 ppm	ND	ND	ND
Maximum 24-hour concentration (ppm)		ND	ND	ND
Number of days exceeded:	State: > 0.04 ppm	ND	ND	ND
	Federal: > 0.14 ppm	ND	ND	ND
Annual arithmetic average concentration (ppm)		ND	ND	ND
Exceeded for the year:	Federal: > 0.030 ppm	ND	ND	ND

Sources: CARB (2024) and USEPA (2024).

[1] Data from 2021-2022 was taken from the Mission Viejo Monitoring Station and data from 2023 was taken from the Anaheim Monitoring Station.

[2] Data was taken from the Anaheim Monitoring Station.

µg/m³ = micrograms per cubic meter

CARB = California Air Resources Board

ND = No data. There were insufficient (or no) data to determine the value.

ppm = parts per million

USEPA = United States Environmental Protection Agency

United States Emissions

In 2022, the year for which the most recent data are available, the United States emitted about 6,343 MMT CO_2e. Overall, emissions in 2022 increased by 1 percent relative to the 2021 total GHG emissions. This increase in total GHG emissions was driven by fossil fuel combustion due primarily to increased energy use, due inpart to the continued rebound in economic activity after the height of the COVID-19 pandemic. However, GHG emissions in 2022 were 17 percent below those of 2005 levels. Of the five major sectors—residential and commercial, agricultural, industry, transportation, and electricity generation—transportation accounted for the highest amount of GHG emissions in 2022 (approximately 28 percent), with electricity generation second at 25 percent and emissions from industry third at 23 percent.[38]

State of California Emissions

The State emitted 381.3 MMT CO_2e emissions in 2021, 12.6 MMT CO_2e higher than 2020 levels but 23.1 MMT CO_2e below the 2019 levels.[39] CARB estimates that transportation was the source of 38 percent of the State's GHG emissions in 2021, which is 7.4 percent higher than the 2020 emissions. This increase was most likely from passenger vehicles whose activity and emissions rebounded after the COVID-19 pandemic. The next largest sources included industrial sources at approximately 19 percent and electricity generation at 16 percent. The remaining sources of GHG emissions were commercial and residential activities at 10 percent, agriculture at 8 percent, high GWP at 6 percent, and waste at 2 percent.[40]

38 USEPA. 2023. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2022. Website: https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks (accessed May 13, 2024).

39 CARB. 2023. *California Greenhouse Gas Emissions for 2000 to 2021, Trends of Emissions and Other Indicators Report*. Website: https://ww2.arb.ca.gov/sites/default/files/2023-12/2000_2021_ghg_inventory_trends.pdf (accessed May 13, 2024).

40 Ibid.

METHODOLOGY

The methodology used to estimate air quality, GHG, and energy impacts is described below.

AIR QUALITY

Construction Emissions

Construction activities can generate a substantial amount of air pollution. Construction activities are considered temporary; however, short-term impacts can contribute to exceedances of air quality standards. Construction activities include demolition, site preparation, earthmoving, and general construction. The emissions generated from these common construction activities include fugitive dust from soil disturbance, fuel combustion from mobile heavy-duty diesel and gasoline powered equipment, portable auxiliary equipment, and worker commute trips.

The California Emissions Estimator Model version 2022.1 (CalEEMod) computer program was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site. As discussed previously in the Project Location and Description section, construction of the proposed project would tentatively commence in January 2026 and is expected to be completed in about 1 year, which was included in CalEEMod. Construction of the proposed project would require a net export of approximately 900 cy of material, which was included in CalEEMod. The proposed project would require the use of concrete industrial saws, excavators, impactors, stackers, jaw crushers, bull dozers, tractors, loaders, backhoes, graders, scrapers, forklifts, cranes, generator sets, welders, concrete ride on trowel machine, cement and mortar mixers, paving equipment, and air compressors, which was included in CalEEMod. Equipment tier engine and number of equipment pieces was provided by the project Applicant, which was included in CalEEMod. In addition, this analysis assumes that the proposed project would comply with SCAQMD Rule 403 measures. Number of worker trips, vendor, and hauling trips during construction were also provided by the project Applicant and included in CalEEMod. All other construction details are not yet known; therefore, default assumptions (e.g., off-road emission factors and construction trip lengths) from CalEEMod were used.

Operational Emissions

The air quality analysis includes estimating emissions associated with long-term operation of the proposed project. Consistent with the SCAQMD guidance for estimating emissions associated with land use development projects, the CalEEMod computer program was used to calculate the long-term operational emissions associated with the project. The proposed project would construct a 165,803 sq ft industrial building. Therefore, the proposed project analysis was conducted using land use codes *Unrefrigerated Warehouse- No Rail*, *Other Asphalt Surfaces,* and *Parking Lot*. The *Other Asphalt Surfaces* land use was used to represent the off-site improvements for the proposed project. Trip generation rates used in CalEEMod for the project were based on the project's Traffic Impact Analysis (TIA),[41] which identifies that the proposed project would generate approximately 573 average daily trips, 458 passenger car trips, 38 two-axle truck trips, 21 three-axle truck trips, and

[41] LSA. 2025. *Traffic Impact Analysis for the IPT Enterprise Business Center LLC Project, Table E: Project Trip Generation Summary.* May.

58 four-axle truck trips. As noted in the TIA, the trip generation rates are from the Institute of Transportation Engineers Trip Generation Manual, 11th Edition and the Warehouse Truck Trip Study Data Results and Usage from the SCAQMD. This analysis assumes that the four-axle truck trips would travel approximately 40 miles. To be conservative, separate CalEEMod analyses were prepared for the operational analysis for the proposed project. One CalEEMod run evaluated operational and vehicle trip emissions and another CalEEMod run evaluated four-axle truck trip emissions for the proposed project. In addition, consistent with the project design plans, this CalEEMod analysis incorporates selections to reflect no natural gas usage during construction and operation of the proposed project. This analysis includes the use of a 300 hp diesel fire pump, which is estimated to run for approximately 50 hours per year and the use of two 200 hp diesel powered cargo handling equipment units, which were also included in CalEEMod. In addition, this analysis assumes that the proposed project would be operational in 2027, which is included in CalEEMod.

ENERGY USE

The analysis of electricity usage is based on the CalEEMod modeling conducted by LSA, which quantifies energy use for project operations. Fuel consumption (diesel fuel and gasoline) from vehicle trips during operation was estimated for the opening year (2027) of the proposed project based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB Emission Factor Model (EMFAC2021) model. Estimates of fuel consumption (diesel fuel and gasoline) from construction trucks and construction worker vehicles were based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB EMFAC2021 model.

The analysis focuses on the three sources of energy that are relevant to the proposed project: electricity, the equipment fuel necessary for project construction, and vehicle fuel necessary for project operations. For the purposes of this analysis, the amount of electricity, construction fuel, and fuel use from operations are quantified and compared to that consumed in Orange County. The electricity use of the proposed project is analyzed as a whole on an annual basis. Electricity use was estimated for the project using default energy intensities by land use type in CalEEMod.

GREENHOUSE GAS ANALYSIS

Recognizing that the field of global climate change analysis is rapidly evolving, the approaches advocated most recently indicate that for determining a project's contribution to GHG emissions, lead agencies should calculate, or estimate, emissions from vehicular traffic, energy consumption, water conveyance and treatment, waste generation, construction activities, and any other significant source of emissions within the project area. The CalEEMod results, using the input assumptions described above, were used to quantify GHG emissions generated by the project.

THRESHOLDS OF SIGNIFICANCE

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse air quality impact if project-generated pollutant emissions would:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under applicable federal or state ambient air quality standards;
- Expose sensitive receptors to substantial pollutant concentrations; or
- Result in other emissions (such as those leading to odors) affecting a substantial number of people.

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse energy impact if the project would:

- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; or
- Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse greenhouse gas emission impact if the project would:

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

Certain air districts (e.g., SCAQMD) have created guidelines and requirements to conduct air quality analyses. The SCAQMD's current guidelines, its *CEQA Air Quality Handbook* with associated updates, were followed in this assessment of air quality and GHG impacts for the proposed project.

CRITERIA POLLUTANT THRESHOLDS

SCAQMD has established daily emissions thresholds for construction and operation of a proposed project in the South Coast Air Basin. The emissions thresholds were established based on the attainment status of the Basin with regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety, these emissions thresholds are regarded as conservative and would overstate an individual project's contribution to health risks.

Table F lists the CEQA significance thresholds for construction and operational emissions established for the Basin. Projects in the Basin with construction- or operation-related emissions that exceed any of their respective emission thresholds would be considered significant under SCAQMD guidelines. These thresholds, which SCAQMD developed and that apply throughout the Basin, apply as both project and cumulative thresholds. If a project exceeds these standards, it is considered to have a project-specific and cumulative impact.

Table F: Regional Thresholds for Construction and Operational Emissions

Emissions Source	Pollutant Emissions Threshold (lbs/day)					
	VOCs	NO_x	CO	PM_{10}	$PM_{2.5}$	SO_x
Construction	75	100	550	150	55	150
Operations	55	55	550	150	55	150

Source: SCAQMD. Air Quality Significance Thresholds. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf (accessed June 2025).

CO = carbon monoxide
lbs/day = pounds per day
NO_x = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

LOCALIZED IMPACTS ANALYSIS

The SCAQMD published its *Final Localized Significance Threshold Methodology* in July 2008, recommending that all air quality analyses include an assessment of air quality impacts to nearby sensitive receptors.[42] This guidance was used to analyze potential localized air quality impacts associated with construction of the proposed project. Localized significance thresholds (LSTs) are developed based on the size or total area of the emission source, the ambient air quality in the source receptor area, and the distance to the project. Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to adverse air quality.

LSTs are based on the ambient concentrations of that pollutant within the project Source Receptor Area (SRA) and the distance to the nearest sensitive receptor. For the proposed project, the appropriate SRA for the LST is the nearby Saddleback Valley (SRA 19). SCAQMD provides LST screening tables for 25-, 50-, 100-, 200-, and 500-meter source-receptor distances for projects that are 5 acres in size or less. If the project exceeds the 5 acre LST threshold, then additional dispersion modeling analysis would be required. As identified above, the closest sensitive receptors to the project site are residential uses, including single-family homes, which are located adjacent to the east property line at approximately 82 feet from the project site's eastern boundary. Based on the anticipated construction equipment and based on the grading and ground-disturbing activities assumed in CalEEMod, it is assumed that the maximum daily disturbed acreage during construction of the proposed project would be 4.0 acres.[43] For the operational threshold, the maximum daily LST, which is based on a 5 acre project site, would be used. Table G lists the emissions thresholds that apply during project construction and operation.

42 SCAQMD. 2008a. *Final Localized Significance Threshold Methodology.* July.

43 SCAQMD. n.d. *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds*. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf (accessed June 2025).

Table G: South Coast Air Quality Management District Localized Significance Thresholds

Emissions Source	Pollutant Emissions Threshold (lbs/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Construction	175.0	1,534.0	10.0	6.7
Operations	197.0	1,801.0	3.0	2.0

Source: South Coast Air Quality Management District (2008).
CO = carbon monoxide
lbs/day = pounds per day
NO_x = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size

LOCAL MICROSCALE CONCENTRATION STANDARDS

The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and federal CO standards. Because ambient CO levels are below the standards throughout the Basin, a project would be considered to have a significant CO impact if project emissions result in an exceedance of one or more of the 1-hour or 8-hour standards. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20 parts per million (ppm)
- California State 8-hour CO standard of 9 ppm

GREENHOUSE GAS THRESHOLDS

State CEQA Guidelines Section 15064(b) provides that the "determination of whether a project may have a significant effect on the environment calls for careful judgment on the part of the public agency involved, based to the extent possible on scientific and factual data," and further states that an "ironclad definition of significant effect is not always possible because the significance of an activity may vary with the setting."

Appendix G of the *State CEQA Guidelines* includes significance thresholds for GHG emissions. A project would normally have a significant effect on the environment if it would do either of the following:

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment

- Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs

To provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents, SCAQMD has convened a GHG CEQA Significance Threshold Working Group (Working Group). Based on the last Working Group meeting held in September 2010 (Meeting No. 15), SCAQMD proposed to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency:

- **Tier 1—Exemptions:** If a project is exempt from CEQA, project-level and cumulative GHG emissions are less than significant.

- **Tier 2—Consistency with a Locally Adopted GHG Reduction Plan:** If the project complies with a GHG emissions reduction plan or mitigation program that avoids or substantially reduces GHG emissions in the project's geographic area (i.e., city or county), project-level and cumulative GHG emissions are less than significant.

- **Tier 3—Numerical Screening Threshold:** If GHG emissions are less than the numerical screening-level threshold, project-level and cumulative GHG emissions are less than significant.

  For projects that are not exempt or where no qualifying GHG reduction plans are directly applicable, SCAQMD requires an assessment of GHG emissions. For the analysis of stationary/ industrial projects, the SCAQMD adopted a threshold of 10,000 MT of CO_2e per year (MT CO_2e/yr). The proposed project is not a stationary source project and therefore, the 10,000 MT CO_2e/year threshold is not applicable. For all other land use types, the SCAQMD recommends utilizing one of two options to analyze the impact of a project's GHG emissions. Under Option 1, the SCAQMD applies a "bright-line" screening-level threshold of 3,000 metric tons (MT) of CO_2e (or MT CO_2e) per year (MT CO_2e/year) for all land use types. Under Option 2, the SCAQMD applies the a "bright-line" screening level threshold based on specific land use types as follows: 1,400 MT CO_2e for commercial projects; 3,500 MT CO_2e for residential projects; or 3,000 MT CO_2e for mixed-use projects. This "bright-line" threshold is based on a review of the Office of Planning and Research (OPR) database of CEQA projects. Based on their review of 711 CEQA projects, 90 percent of CEQA projects would exceed the "bright-line" thresholds identified above. Therefore, projects that do not exceed the bright-line threshold would have a nominal and therefore less than cumulatively considerable impact on GHG emissions.

- **Tier 4—Performance Standards:** If emissions exceed the numerical screening threshold, a more detailed review of the project's GHG emissions is warranted. The SCAQMD has proposed an efficiency target for projects that exceed the bright-line threshold. The current recommended approach is per-capita efficiency targets. The SCAQMD is not recommending use of a percentage emissions reduction target. Instead, the SCAQMD proposed a 2020 efficiency target of 4.8 MT CO_2e per year per service population for project-level analyses and 6.6 MT CO_2e per yr per service population for plan-level projects (e.g., program-level projects such as General Plans).

For the purpose of this analysis, the proposed project will be compared to the threshold of 3,000 MT CO_2e per year for all land use types. The project is also evaluated for compliance with the 2022 Scoping Plan and SCAG's RTP/SCS.

IMPACTS ANALYSIS

This section identifies the air quality, energy, and GHG emissions impacts associated with implementation of the proposed project.

AIR QUALITY IMPACTS

Air pollutant emissions associated with the proposed project would occur over the short term from construction activities and over the long term from operational activities associated with the proposed land uses.

Consistency with Applicable Air Quality Plans

A consistency determination plays an essential role in local agency project review by linking local planning and unique individual projects to the air quality plans. A consistency determination fulfills the CEQA goal of fully informing local agency decision-makers of the environmental costs of the project under consideration at a stage early enough to ensure that air quality concerns are addressed. Only new or amended General Plan elements, Specific Plans, and significantly unique projects need to undergo a consistency review due to the air quality plan strategy being based on projections from local General Plans.

The AQMP is based on regional growth projections developed by SCAG. The proposed project would include 165,803 sq ft of industrial uses. The proposed project would not house more than 1,000 persons, occupy more than 40 acres of land, or encompass more than 650,000 sq ft of floor area. Thus, the proposed project would not be defined as a regionally significant project under CEQA, and therefore, it does not meet SCAG's Intergovernmental Review criteria.

The City's General Plan is consistent with the SCAG Regional Comprehensive Plan Guidelines and the SCAQMD AQMP. Pursuant to the methodology provided in the SCAQMD *CEQA Air Quality Handbook*, consistency with the Basin 2022 AQMP is affirmed when a project (1) would not increase the frequency or severity of an air quality standard violation or cause a new violation, and (2) is consistent with the growth assumptions in the AQMP. Consistency review is presented as follows:

1. The proposed project would result in short-term construction and long-term operational pollutant emissions that are all less than the CEQA significance emissions thresholds established by SCAQMD, as demonstrated below; therefore, the proposed project would not result in an increase in the frequency or severity of an air quality standards violation or cause a new air quality standards violation.

2. The *CEQA Air Quality Handbook* indicates that consistency with AQMP growth assumptions must be analyzed for new or amended General Plan elements, Specific Plans, and significant projects. Significant projects include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling facilities; therefore, the proposed project is not defined as significant. In addition, the proposed project would not require a change to the General Plan land use designation or the current zoning and would be consistent with the City's General Plan and Zoning Ordinance.

Based on the consistency analysis presented above, the proposed project would be consistent with the regional AQMP.

Criteria Pollutant Analysis

The Basin is designated as nonattainment for O_3 and $PM_{2.5}$ for federal standards and nonattainment for O_3, PM_{10}, and $PM_{2.5}$ for State standards. The SCAQMD's nonattainment status is attributed to the region's development history. Past, present, and future development projects contribute to the region's adverse air quality impacts on a cumulative basis. By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size to, by itself, result in nonattainment of AAQS. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant.

In developing thresholds of significance for air pollutants, the SCAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions. Therefore, additional analysis to assess cumulative impacts is unnecessary. The following analysis assesses the potential project-level construction- and operation-related air quality impacts.

Construction Emissions

During construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by grading, paving, building, and other activities. Emissions from construction equipment are also anticipated and would include CO, NO_x, ROG, directly emitted particulate matter ($PM_{2.5}$ and PM_{10}), and TACs such as diesel exhaust particulate matter.

Project construction activities would include demolition, grading, site preparation, building construction, paving, and architectural coating activities. Construction-related effects on air quality from the proposed project would be greatest during the site preparation phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM_{10} emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM_{10} emissions would depend on soil moisture, silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The SCAQMD has established Rule 403: Fugitive Dust, which would require the Applicant to implement measures that would reduce the amount of particulate matter generated during the construction period.

In addition to dust-related PM_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_2, NO_x, VOCs and some soot particulate ($PM_{2.5}$

and PM_{10}) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles idle in traffic. These emissions would be temporary in nature and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the project using CalEEMod. Table H lists the tentative project construction schedule based on a 13-month construction duration. Table I lists the potential construction equipment to be used during project construction under each phase of construction. Construction-related emissions are presented in Table J. CalEEMod output sheets are included in Appendix A.

Table H: Tentative Project Construction Schedule

Phase Number	Phase Name	Phase Start Date	Phase End Date	Number of Days/Week	Number of Days
1	Demolition	1/5/2026	2/19/2026	5	34
2	Site Preparation	2/9/2026	3/6/2026	5	20
3	Grading	2/23/2026	6/24/2026	5	88
4	Building Construction	3/9/2026	12/7/2026	5	196
5	Paving	11/2/2026	12/15/2026	5	32
6	Architectural Coating	12/7/2026	1/21/2027	5	34

Source: Compiled by LSA, based on information provided by the Applicant (June 2025).

Table I: Diesel Construction Equipment Utilized by Construction Phase

Construction Phase	Off-Road Equipment Type	Off-Road Equipment Unit Amount	Hours Used per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	1	8	33	0.73
	Excavators	3	8	36	0.38
	Other Construction Equipment	3	8	367	0.4
Site Preparation	Rubber Tired Dozers	1	8	325	0.4
	Tractors/Loaders/Backhoes	4	8	84	0.37
Grading	Excavators	4	8	175	0.38
	Graders	1	8	185	0.41
	Rubber Tired Dozers	2	8	367	0.4
	Tractors/Loaders/Backhoes	3	8	125	0.37
	Scrapers	3	8	500	0.48
Building Construction	Cranes	1	7	367	0.29
	Forklifts	3	8	367	0.2
	Generator Sets	1	8	82	0.74
	Tractors/Loaders/Backhoes	3	7	84	0.37
	Welders	1	8	14	0.45
	Other Construction Equipment	5	10	88	0.42
Paving	Pavers	1	8	81	0.42
	Paving Equipment	2	6	86	0.36
	Rollers	2	6	36	0.38
	Tractors/Loaders/Backhoes	1	8	84	0.37
	Cement and Mortar Mixers	2	6	10	0.56
Architectural Coating	Air Compressors	2	6	37	0.48
	Tractors/Loaders/Backhoes	3	7	84	0.37

Source: Compiled by LSA, based on information provided by the Applicant (June 2025).
CalEEMod = California Emissions Estimator Model

Table J: Project Construction Emissions

Project Construction	Maximum Pollutant Emissions (lbs/day)					
	VOCs	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Demolition	0.7	8.3	26.2	<0.1	4.5	1.0
Site Preparation	1.1	24.1	28.2	<0.1	3.4	2.0
Grading	3.6	84.5	102.6	0.1	9.4	5.2
Building Construction	1.3	34.2	40.9	0.1	1.6	1.1
Paving	0.7	11.3	9.8	<0.1	0.8	0.5
Architectural Coating	24.0	9.6	7.8	<0.1	0.7	0.5
Maximum (lbs/day)	**25.9**	**118.7**	**143.6**	**0.2**	**12.9**	**7.2**
SCAQMD Thresholds	75.0	100.0	550.0	150.0	150.0	55.0
Exceeds?	**No**	**Yes**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (June 2025).
Note: Maximum emissions of VOC occurred during the overlapping building construction, paving, and architectural coating phases. The maximum emissions of NO_X occurred during the overlapping of grading and building construction phases. Maximum emissions of PM_{10} and $PM_{2.5}$ occurred during the overlapping of site preparation and grading phases.
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

As shown in Table J, construction emissions associated with the project would not exceed the SCAQMD thresholds for VOCs, CO, sulfur oxides (SO_X), $PM_{2.5}$, or PM_{10} emissions. However, maximum daily NO_X emissions during the overlapping grading and site preparation phases would exceed the significance criteria. Therefore, the proposed project would result in a potentially significant impact for criteria pollutants during construction. As such, implementation of MM AQ-1 would be required to reduce NO_X emissions to the extent feasible.

MM AQ-1 **Tier 4 Interim Construction Equipment.** Prior to issuance of a building permit, the project Applicant shall submit construction plans to the City of Lake Forest verifying that all construction equipment used during construction of the project shall be equipped with Tier 4 Interim engines or the most effective Verified Diesel Emission Control Strategies (VDECS) available for the engine type (Tier 4 engines automatically meet this requirement) as certified by the California Air Resources Board. During construction activities, the equipment shall be properly maintained and tuned in accordance with manufacturer specifications.

Table K identifies the results of the analysis with implementation of MM AQ-1.

As shown in Table K, with implementation of MM AQ-1, NO_X emissions associated with the proposed project would be below the SCAQMD significance thresholds. Therefore, with implementation of MM AQ-1, construction of the proposed project would not result in emissions that would result in a cumulatively considerable net increase of any criteria pollutant for which the project is in nonattainment under an applicable federal or State ambient air quality standard.

Table K: Mitigated Project Construction Emissions

Project Construction	Maximum Pollutant Emissions (lbs/day)					
	VOCs	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Demolition	0.6	16.2	26.2	0.1	4.3	0.9
Site Preparation	0.4	7.8	14.7	<0.1	2.8	1.4
Grading	1.7	36.3	72.0	0.1	7.1	3.1
Building Construction	1.0	21.6	40.9	0.1	0.7	0.3
Paving	0.5	6.1	9.8	<0.1	0.3	0.1
Architectural Coating	23.3	5.5	7.8	<0.1	0.2	0.1
Maximum (lbs/day)	**24.8**	**57.9**	**112.6**	**0.2**	**9.9**	**4.5**
SCAQMD Thresholds	75.0	100.0	550.0	150.0	150.0	55.0
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (June 2025).
Note: Maximum emissions of VOC occurred during the overlapping building construction, paving, and architectural coating phases. The maximum emissions of SO_X and NO_X occurred during the overlapping of grading and building construction phases. Maximum emissions of PM_{10} and $PM_{2.5}$ occurred during the overlapping of site preparation and grading phases.

CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

Operational Air Quality Impacts

Long-term air pollutant emission impacts are those typically associated with mobile sources (e.g., vehicle trips and truck trips), energy sources (e.g., electricity), area sources (e.g., architectural coatings and the use of landscape maintenance equipment), and stationary sources (e.g., use of fire pump).

Mobile source emissions include VOC and NO_X emissions that contribute to the formation of ozone. Additionally, PM_{10} emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways.

Energy source emissions result from activities in buildings for which natural gas is used. However, the proposed building would be all electric and no natural gas use would be associated with the operation of the proposed building.

Typically, area source emissions consist of direct sources of air emissions located at the project site, including architectural coatings and the use of landscape maintenance equipment. Stationary source emissions are associated with the use of the fire pump.

Long-term operation emissions associated with the proposed project were calculated using CalEEMod. Model results are shown in Table L below. CalEEMod output sheets are included in Appendix A.

As shown in Table L, the proposed project would not exceed the significance criteria for VOCs, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$ emissions; thus, the proposed project would not have a significant effect on regional air quality. Therefore, operation of the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under an applicable federal or State ambient air quality standard.

Table L: Project Operational Emissions

Emission Type	Pollutant Emissions (lbs/day)					
	VOCs	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Mobile Sources – Vehicles and Light Duty Trucks	1.6	1.6	18.0	0.1	5.1	1.3
Mobile Sources – Heavy Heavy-Duty Trucks	0.1	8.7	3.5	0.1	2.3	0.7
Area Sources	5.2	0.1	7.2	<0.1	<0.1	<0.1
Energy Sources	0.0	0.0	0.0	0.0	0.0	0.0
Off-Road Sources	0.7	5.1	3.3	<0.1	0.2	0.2
Stationary Sources	0.5	1.4	1.3	<0.1	0.1	0.1
Total Proposed Project Emissions	**8.1**	**16.9**	**33.3**	**0.2**	**7.7**	**2.3**
SCAQMD Thresholds	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (June 2025).
CO = carbon monoxide
lbs/day = pounds per day
NO_x = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

Long-Term Microscale (CO Hot Spot) Analysis

Vehicular trips associated with the proposed project would contribute to congestion at intersections and along roadway segments in the project vicinity. Localized air quality impacts would occur when emissions from vehicular traffic increase as a result of the proposed project. The primary mobile-source pollutant of local concern is CO, a direct function of vehicle idling time and, thus, of traffic flow conditions. CO transport is extremely limited; under normal meteorological conditions, CO disperses rapidly with distance from the source. However, under certain extreme meteorological conditions, CO concentrations near a congested roadway or intersection may reach unhealthful levels, affecting local sensitive receptors (e.g., residents, schoolchildren, the elderly, and hospital patients). Typically, high CO concentrations are associated with roadways or intersections operating at unacceptable levels of service or with extremely high traffic volumes. In areas with high ambient background CO concentrations, modeling is recommended to determine a project's effect on local CO levels.

An assessment of project-related impacts on localized ambient air quality requires that future ambient air quality levels be projected. Existing CO concentrations in the immediate project vicinity are not available. Ambient CO levels monitored at the Mission Viejo station, the closest station to the project site, showed a highest recorded 1-hour concentration of 2.5 ppm (the State standard is 20 ppm) and a highest 8-hour concentration of 1.6 ppm (the State standard is 9 ppm) during the past 3 years (Table F). The highest CO concentrations would normally occur during peak traffic hours; hence, CO impacts calculated under peak traffic conditions represent a worst-case analysis.

As described in the Traffic Impact Analysis,[44] the proposed project would generate 74 AM peak hour trips and 78 PM peak-hour trips. As the proposed project would not generate 100 or more AM or

[44] LSA. 2025. *Traffic Impact Analysis for the IPT Enterprise Business Center LLC Project, Table E: Project Trip Generation Summary.* March.

PM peak hour trips, the proposed project did not meet the criteria for an evaluation of study area intersection or roadway segment level of service (LOS). Therefore, it is assumed that the addition of the proposed project traffic would not create any significant adverse impacts to nearby intersections.

Therefore, given the extremely low level of CO concentrations in the project area, and lack of traffic impacts at any intersections, project-related vehicles are not expected to contribute significantly to result in the CO concentrations exceeding the State or federal CO standards. No CO hot spots would occur, and the project would not result in any project-related impacts on CO concentrations.

Localized Significance Analysis

Project construction and operation emissions were compared to the LST screening tables in SRA 19, based on an 82-feet (25 meters) source-receptor distance and a disturbed acreage of 4.0 acres for construction and 5.0 acres for operation.

Table M indicates the estimated on-site construction emissions. As shown in Table M, on-site construction emissions would not exceed the LST thresholds for the closest receptor. Therefore, construction of the proposed project would not result in a locally significant air quality impact.

Table M: Project Localized Construction Emissions (lbs/day)

Source	NO_x	CO	PM_{10}	$PM_{2.5}$
Proposed Project On-Site Emissions	84.3	101.8	9.2	5.1
Localized Significance Threshold	**175.0**	**1,534.0**	**10.0**	**6.7**
Exceeds Threshold?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (June 2025)
Note: Source Receptor Area 19, based on a 4.0-acre construction disturbance daily area, at a distance of 82 feet from the project boundary.
CO= carbon monoxide
lbs/day = pounds per day
NO_x= nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

Operational emissions shown in Table N are based on CalEEMod operational emission results using the assumptions detailed in the Methodology section for Operational Emissions. By design, the localized impacts analysis only includes on-site sources; however, the CalEEMod outputs do not separate on-site and off-site emissions for mobile sources. For a worst-case scenario assessment, the emissions detailed in Table N assume all area, off-road, stationary, and energy source emissions would occur on site, and 5 percent of the project-related new mobile sources, which is an estimate of the amount of project-related on-site vehicle and truck travel, would occur on site. Considering the total trip length included in CalEEMod, the 5 percent assumption is conservative. Table N indicates the localized operational emissions would not exceed the LSTs at the closest receptor. Therefore, the proposed operational activity would not result in a locally significant air quality impact.

The results of the LST analysis indicate that the proposed project would not result in an exceedance of the SCAQMD LST thresholds during project construction or operation.

Table N: Project Localized Operational Emissions (lbs/day)

Source	NO_x	CO	PM_{10}	$PM_{2.5}$
Proposed Project On-Site Emissions	7.0	12.9	0.7	0.4
Localized Significance Threshold	197.0	1,801.0	3.0	2.0
Exceeds Threshold?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (June 2025)
Note: Source Receptor Area 19, based on a 5.0-acre operational daily area, at a distance of 82-feet from the project boundary.
CO = carbon monoxide
lbs/day = pounds per day
NO_x = nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

Odors

During project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed project would not include any activities or operations that would generate objectionable odors, and once operational, the project would not be a source of odors. Therefore, the proposed project would not result in other emissions (such as those leading to odors) affecting a substantial number of people.

ENERGY IMPACTS

The following describes the potential impacts regarding energy resources that could result from implementation of the proposed project.

Energy Consumption

The proposed project would increase the demand for energy through day-to-day operations and fuel consumption associated with project construction. This section discusses energy use resulting from implementation of the proposed project and evaluates whether the proposed project would result in the wasteful, inefficient, or unnecessary consumption of energy resources or conflict with any applicable plans for renewable energy and energy efficiency.

Construction Energy Use

Construction of the proposed project is anticipated to be completed in 13 months. The project would require energy for activities such as the manufacture and transportation of building materials, grading activities, and building construction. Construction of the proposed project would require electricity to power construction-related equipment. Construction of the proposed project would not involve the consumption of natural gas. The construction-related equipment would not be powered by natural gas, and no natural gas demand is anticipated during construction.

Transportation energy represents the largest energy use during construction and would occur from the transport and use of construction equipment, delivery vehicles and haul trucks, and construction worker vehicles that would use petroleum fuels (e.g., diesel fuel and/or gasoline). Therefore, the analysis of energy use during construction focuses on fuel consumption. Construction trucks and vendor trucks hauling materials to and from the project site would be anticipated to use diesel fuel, whereas construction workers traveling to and from the project site would be anticipated to use gasoline-powered vehicles. Fuel consumption from transportation uses depends on the type and number of trips, VMT, the fuel efficiency of the vehicles, and the travel mode.

Estimates of fuel consumption (diesel fuel and gasoline) from construction equipment, construction trucks, and construction worker vehicles were based on default construction equipment assumptions and trip estimates from CalEEMod and fuel efficiencies from EMFAC2021. Fuel consumption estimates are presented in Table O. CalEEMod output sheets are included in Appendix A, and detailed energy calculations are included in Appendix B.

Table O: Energy Consumption Estimates during Construction

Energy Type	Total Energy Consumption	Percentage Increase Countywide
Diesel Fuel (total gallons)	129,024.5	0.1
Gasoline (total gallons)	14,731.3	<0.01

Source: Compiled by LSA (June 2025).

As indicated in Table O, the proposed project would consume approximately 129,024.5 gallons of diesel fuel and approximately 14,731.3 gallons of gasoline during construction. Based on fuel consumption obtained from EMFAC2021, approximately 1,150.0 million gallons of gasoline and approximately 157.8 million gallons of diesel will be consumed from vehicle trips in Orange County in 2026. Therefore, construction of the proposed project would increase the annual construction generated fuel use in Orange County by approximately 0.1 percent for diesel fuel usage and by less than 0.01 percent for gasoline fuel usage. As such, project construction would have a negligible effect on local and regional energy supplies. Furthermore, impacts related to energy use during construction would be temporary and relatively small in comparison to Orange County's overall use of the State's available energy resources. No unusual project characteristics would necessitate the use of construction equipment that would be less energy efficient than at comparable construction sites in the region or the State. In addition, construction activities are not anticipated to result in an inefficient use of energy as gasoline and diesel fuel would be supplied by construction contractors who would conserve the use of their supplies to minimize their costs on the project. The proposed project would not cause or result in the need for additional energy facilities or an additional or expanded delivery system. For these reasons, fuel consumption during construction would not be inefficient, wasteful, or unnecessary.

Operational Energy Use

Operational energy use is typically associated with natural gas use, electricity consumption, and fuel used for vehicle trips associated with a project. Energy consumption was estimated for the proposed project using default energy intensities by land use type in CalEEMod. As described in the Methodology section, this analysis was conducted using land use codes *Unrefrigerated Warehouse-No Rail*, *Other Asphalt Surfaces,* and *Parking Lot.* The proposed project would result in diesel usage associated with the fire pump; however, the fire pump is only expected to run approximately 50 hours per year. Therefore, use of the fire pump is not expected to substantially increase diesel fuel usage and is not evaluated further.

The proposed project would also result in energy usage associated with gasoline and diesel fuel consumed by project-related vehicle and truck trips. Fuel use associated with vehicle and truck trips

generated by the proposed project was calculated based on the project's Traffic Impact Analysis,[45] which identifies that the proposed project would generate approximately 573 average daily trips, including 458 passenger car trips, 38 two-axle truck trips, 21 three-axle truck trips, and 58 four-axle truck trips. The amount of operational fuel use was estimated using CARB's EMFAC2021 model, which provided projections for typical daily fuel usage in Orange County.

Electricity and fuel usage estimates associated with the proposed project are shown in Table P.

Table P: Proposed Project Energy Consumption Estimates during Operation

Energy Type	Annual Energy Consumption
Electricity Consumption (kWh/year)	865,996.0
Gasoline (gallons/year)	85,947.6
Diesel Fuel (gallons/year)	142,126.4

Source: Compiled by LSA (June 2025).
kWh = kilowatt-hours

As shown in Table P, the estimated potential increase in electricity demand associated with the operation of the proposed project is 865,996.0 kilowatt-hours (kWh) per year. Total electricity consumption in Orange County in 2022 was 20,243.7 GWh (20,243,721,856 kWh). Therefore, operation of the proposed project would increase the annual electricity consumption in Orange County by less than 0.01 percent.

Electrical demand associated with project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region. Furthermore, the proposed project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. The proposed project would be required to adhere to all federal, State, and local requirements for energy efficiency, including the Title 24 standards. Title 24 building energy efficiency standards establish minimum efficiency standards related to various building features, including appliances, water and space heating and cooling equipment, building insulation and roofing, and lighting, which would reduce energy usage. In addition, the proposed project will be seeking LEED certification through the Applicant's LEED Volume program. Some of the features included in the design include, but are not limited to, drought tolerant landscaping, low flow fixtures, high efficiency lighting, and infrastructure for EV charging.

As shown in Table P, the net increase in fuel use associated with the vehicle trips generated by the proposed project is estimated at 85,947.6 gallons of gasoline and 142,126.4 gallons of diesel fuel per year. This analysis conservatively assumes that all vehicle trips generated as a result of project operation would be new to Orange County. Based on fuel consumption obtained from EMFAC2021, approximately 1,128.9 million gallons of gasoline and approximately 157.6 million gallons of diesel will be consumed from vehicle trips in Orange County in 2027. Therefore, vehicle and truck trips associated with the proposed project would increase the annual fuel use in Orange County by less than 0.01 percent for gasoline fuel usage and by approximately 0.1 percent for diesel fuel usage.

[45] LSA. 2025. *Traffic Impact Analysis for the IPT Enterprise Business Center LLC Project, Table E: Project Trip Generation Summary.* March.

Therefore, fuel consumption associated with vehicle trips generated by project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region.

Conflict with Renewable Energy or Energy Efficiency Plans

In 2002, the Legislature passed SB 1389, which required the CEC to develop an integrated energy plan every 2 years for electricity, natural gas, and transportation fuels for the Integrated Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for ZEVs and their infrastructure needs, and encouragement of urban designs that reduce VMT and accommodate pedestrian and bicycle access.

The CEC's *2023 Integrated Energy Policy Report* provide the results of the CEC's assessments of a variety of energy issues facing California. As indicated above, energy usage on the project site during construction would be temporary in nature and would be relatively small in comparison to the overall use in the County. In addition, energy usage associated with operation of the proposed project would be relatively small in comparison to the overall use in Orange County, and the State's available energy resources. Therefore, energy impacts at the regional level would be negligible. Because California's energy conservation planning actions are conducted at a regional level, and because the proposed project's total impact on regional energy supplies would be minor, the proposed project would not conflict with or obstruct California's energy conservation plans as described in the CEC's Integrated Energy Policy Report. Additionally, as demonstrated above, the proposed project would not result in the inefficient, wasteful, and unnecessary consumption of energy. Potential impacts related to conflict with or obstruction of a State or local plan for renewable energy or energy efficiency would be less than significant, and no mitigation is required.

GREENHOUSE GAS IMPACTS

This section describes the potential GHG impacts associated with implementation of the proposed project.

Generation of Greenhouse Gas Emissions

This section describes the proposed project's construction- and operational-related GHG emissions and contribution to global climate change. The SCAQMD has not addressed emission thresholds for construction in its *CEQA Air Quality Handbook*; however, the SCAQMD requires quantification and disclosure. Thus, an evaluation of the proposed project's impacts related to the release of GHG emissions for both construction and operational phases of the project is described below.

Short-Term Greenhouse Gas Emissions

Construction activities associated with the proposed project would produce combustion emissions from various sources. During construction, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically use fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO_2,

CH_4, and N_2O. Furthermore, CH_4 is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

As indicated above, the SCAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are required to quantify and disclose GHG emissions that would occur during construction. The SCAQMD then requires the construction GHG emissions to be amortized over the life of the project, defined by the SCAQMD as 30 years,[46] added to the operational emissions, and compared to the applicable interim GHG significance threshold tier.

Using CalEEMod, it is estimated that the proposed project would generate approximately 1,315.9 MT CO_2e during construction of the project. When annualized over the 30-year life of the project, annual emissions would be 43.9 MT CO_2e.

Long-Term Greenhouse Gas Emissions

Long-term GHG emissions are typically generated from mobile sources (e.g., vehicle and truck trips), area sources (e.g., maintenance activities and landscaping), stationary sources (e.g., fire pump) indirect emissions from sources associated with energy consumption, waste sources (land filling and waste disposal), and water sources (water supply and conveyance, treatment, and distribution). Mobile-source GHG emissions would include project-generated vehicle trips to and from the project. Area-source emissions would be associated with activities such as landscaping and maintenance on the project site. Energy source emissions would be generated at off-site utility providers because of increased electricity demand generated by the project. Waste source emissions generated by the proposed project include energy generated by land filling and other methods of disposal related to transporting and managing project-generated waste. In addition, water source emissions associated with the proposed project are generated by water supply and conveyance, water treatment, water distribution, and wastewater treatment.

Following guidance from the SCAQMD, GHG emissions were estimated using CalEEMod. Table Q shows the calculated GHG emissions for the proposed project.

As discussed above, a project would have less than significant GHG emissions if it would result in operational-related GHG emissions of less than 3,000 MT CO_2e/yr. Based on the analysis results, the proposed project would result in approximately 2,884.8 MT CO_2e/yr, which would not exceed the SCAQMD Threshold of 3,000 MT CO_2e/yr. Therefore, operation of the proposed project would not generate significant GHG emissions that would have a significant effect on the environment.

Consistency with Greenhouse Gas Emissions Reduction Plans

An evaluation of the proposed project's consistency with the 2022 Scoping Plan, and SCAG's RTP/SCS is provided below.

[46] The SCAQMD has identified the average operational lifespan of buildings to be 30 years. 2008b. Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf (accessed June 2025).

Table Q: Greenhouse Gas Emissions

Emissions Source	Operational Emissions (MT/yr)			
	CO_2	CH_4	N_2O	CO_2e
Mobile Sources – Vehicle and Light Duty Trucks	877.6	<0.1	<0.1	890.1
Mobile – Heavy Heavy-Duty Trucks	1,276.2	0.1	0.2	1,340.3
Area Sources	3.4	<0.1	<0.1	3.4
Energy Sources	199.9	<0.1	<0.1	200.6
Water Sources	68.2	1.1	<0.1	104.5
Waste Sources	13.9	1.4	0.0	48.7
Off-Road Sources	246.7	<0.1	<0.1	247.6
Stationary Sources	5.7	<0.1	<0.1	5.7
Total Project Operational Emissions				**2,840.9**
Amortized Construction Emissions				43.9
Total Project Emissions				**2,884.8**
SCAQMD Threshold				3,000
Exceed?				**No**

Source: Compiled by LSA (June 2025).
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent
MT/yr = metric tons per year
N_2O = nitrous oxide
SCAQMD = South Coast Air Quality Management District

2022 Scoping Plan

The following discussion evaluates the proposed project according to the goals of the 2022 Scoping Plan, including EO B-30-15, SB 32, AB 197, and AB 1279.

EO B-30-15 added the immediate target of reducing GHG emissions to 40 percent below 1990 levels by 2030. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[47] to reflect the 2030 target set by EO B-30-15 and codified by SB 32. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in EO B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels. The companion bill to SB 32, AB 197, provides additional direction to the CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 intended to provide easier public access to air emissions data that are collected by CARB was posted in December 2016. AB 1279 codifies the State goals of achieving net carbon neutrality by 2045 and maintaining net negative GHG emissions thereafter.

In addition, the 2022 Scoping Plan assesses progress toward the statutory 2030 target, while laying out a path to achieving carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities. The 2022 Scoping Plan contains the GHG reduction targets embedded in EO B-30-15, SB 32, AB 197, and AB 1279. Thus, compliance with the Scoping Plan would also result in compliance with EO B-30-15, SB 32, AB 197, and AB 1279.

47 CARB. 2017a. *California's 2017 Climate Change Scoping Plan*. November.

The Bay Area Air Quality Management District (BAAQMD) adopted the *Justification Report: CEQA Thresholds for Evaluating the Significance of Climate Impacts from Land Use Projects and Plans* (Justification Report) in April 2022.[48] The Justification Report established guidance on how individual projects would be consistent with California's long-term climate goals and provides substantial evidence in supporting the use of their thresholds for projects throughout California because the thresholds are designed to meet the State's established GHG reduction goals, including the 2022 Scoping Plan goals. Therefore, the BAAQMD's Justification Report is being used to analyze the proposed project's consistency with the 2022 Scoping Plan. According to the BAAQMD Justification Report[49], a project would have a less than significant impact related to consistency with the 2022 Scoping Plan if the proposed project achieves a reduction in project-generated VMT below the regional average consistent with the current version of the 2022 Scoping Plan (currently 15 percent) or meets a locally adopted Senate Bill 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA. Additionally, a project must not include natural gas appliances or natural gas plumbing and should not result in any wasteful, inefficient, or unnecessary electrical usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines. Lastly, a project must achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2. If a project is designed and built to incorporate these design elements related to VMT, natural gas, energy, and EVs, then it would contribute its portion of what is necessary to achieve California's long-term climate goals and an agency reviewing the project under CEQA can conclude that the project would be consistent with the State's 2022 Scoping Plan.

Vehicles Miles Traveled. Based on the project's Traffic Impact Analysis,[50] the proposed project VMT would exceed the City's VMT threshold (Target VMT Rate) by 20 percent, resulting in a significant VMT impact. The proposed project would be required to implement Traffic Demand Management (TDM) measures including the installation of bike lanes along Commercentre Drive between Alton Parkway and Dimension Drive to promote alternative transportation within the intent of reducing VMT. According to the California Air Pollution Control Officers Association (CAPCOA) Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity (December 2021) (CAPCOA Handbook), the addition of bike lanes (T-20 Expand Bikeway Network) can provide a maximum VMT reduction of 0.5 percent. Assuming that this TDM measure could achieve the maximum 0.5 percent VMT reduction, the reduction achieved would not reduce the project's VMT impact to below the City's VMT threshold. Therefore, even with implementation of the TDM measure (addition of bike lanes), the project's VMT impact would be significant and unavoidable. As such, the proposed project would conflict with the goals and policies of the 2022 Scoping Plan related to VMT and would result in a significant and unavoidable impact.

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48 Bay Area Air Quality Management District (BAAQMD). 2022. *Justification Report: CEQA Thresholds for Evaluating the Significance of Climate Impacts from Land Use Projects and Plans*. April.

49 Bay Area Air Quality Management District (BAAQMD). 2022. *Justification Report: CEQA Thresholds for Evaluating the Significance of Climate Impacts From Land Use Projects and Plans.* April. Website: Microsoft Word - FINAL CEQA Thresholds Report for Climate Impacts 03_30_22 revisions with tracked changes (baaqmd.gov) (accessed December 2024).

50 LSA. 2025. *Traffic Impact Analysis for the IPT Enterprise Business Center LLC Project, Table E: Project Trip Generation Summary.* March.

Natural Gas Usage. The proposed project would not be powered by natural gas, and no natural gas demand is anticipated during construction or operation of the proposed project. As described in the BAAQMD Justification Report, eliminating natural gas in new development supports that projects are implementing their "fair share" of emission reductions and supporting achievement of the State's 2045 carbon neutrality goals. As such, if a project does not utilize natural gas, a lead agency can conclude that it would be consistent with achieving the 2045 neutrality goal and the 2022 Scoping Plan and would not have a cumulative considerable impact on climate change.[51] Therefore, because the proposed project would not be powered by natural gas, the proposed project would be consistent with this design element.

Energy Usage. As described in the Energy Impacts Section, fuel consumption during construction would not be inefficient, wasteful, or unnecessary. As shown in Table Q, the estimated potential increase in electricity demand associated with the operation of the proposed project is 865,996.0 kWh per year. Total electricity consumption in Orange County in 2022 was 20,243,721,856 kWh. Therefore, operation of the proposed project would increase the annual electricity consumption in Orange County by less than 0.01 percent. In addition, the proposed project would be constructed to current Title 24 standards, which would require energy-saving building features. As such, based on this analysis, as required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the *State CEQA Guidelines*, the proposed project would not result in the wasteful, inefficient, or unnecessary consumption of fuel or energy and would incorporate renewable energy and energy efficiency measures into the building design, equipment use, and transportation. As such, the proposed project would be consistent with 2022 Scoping Plan. Therefore, the proposed project would be consistent with this design element.

Electric Vehicle Requirements. The final project design element that the proposed project should include to ensure that it is achieving its "fair share" of GHG emission reductions is compliance with off-street EV requirements in the most recently adopted version of the CALGreen Code Tier 2 measures. The proposed project would include 53 EV capable spaces, 14 electric vehicle supply equipment (EVSE) designated spaces, 1 EVSE van accessible space, and 1 EVSE standard accessible space. Additionally, as specified in **MM GHG-1**, the proposed project would be required to install EV truck charging stations on the project site pursuant to the CALGreen Code.[52]

MM GHG-1 **Electric Vehicle Charging.** Provisions shall be made at the project site for emerging electric truck technology. Prior to the issuance of a shell building permit, the City shall verify that the site plan identifies an on-site location for future electric truck charging stations, with space available for a minimum of four (4) trucks to simultaneously charge when charging stations are installed in the future. The conduit trenching shall be installed to that location for future conduit pull as a requirement of the shell building permit. In conjunction with the approval of tenant

[51] Bay Area Air Quality Management District (BAAQMD). 2022. *Justification Report: CEQA Thresholds for Evaluating the Significance of Climate Impacts From Land Use Projects and Plans.* April. Website: Microsoft Word - FINAL CEQA Thresholds Report for Climate Impacts 03_30_22 revisions with tracked changes (baaqmd.gov) (accessed June 2025).

[52] The passenger vehicle standards for EV charging stations provided in the CALGreen Code, Table 5.106.5.3.1, were used by the City to determine EV truck charging stations required for the proposed project. 23 dock doors = 4 EV truck charging stations.

improvement plans and permits, the applicant shall install electric truck charging stations on the site for a minimum of four (4) electric trucks to simultaneously charge.

With implementation of **MM GHG-1**, the proposed project would support the operation of zero-emissions trucks at the project site as such technology is commercially deployed and available. Electric chargers are an effective measure to support the reduction of GHG emissions related to mobile source operational activities, because they would enable drivers of trucks associated with the proposed projects to operate a larger share of miles in electric mode, as opposed to diesel powered mode, thereby displacing GHG emissions from diesel consumption with a lesser amount of indirect emissions from electricity. Therefore, with implementation of **MM GHG-1**, the proposed project would have the potential to further lower mobile source emissions associated with operation of the proposed project. Based on the above, the proposed project would be consistent with this design element.

While the proposed project would be consistent with the project design elements related to natural gas, energy, and EVs, as described above, the proposed project would result in a significant and unavoidable impact related to VMT even with implementation of TDM measures. Therefore, the proposed project would conflict with the plans and policies adopted for the purpose of reducing the emissions of GHGs, including the 2022 Scoping Plan. This would result in a significant and unavoidable project level impact.

Regional Transportation Plan/Sustainable Communities Strategy

SCAG adopted the 2024-2050 RTP/SCS on April 4, 2024. However, the CARB has not yet approved the 2024-2050 RTP/SCS. Therefore, this analysis evaluates the proposed project consistency with both the 2020-2045 RTP/SCS and the more recent 2024-2050 RTP/SCS.

SCAG's RTP/SCS identifies that land use strategies that focus on new housing and job growth in areas served by high quality transit and other opportunity areas would be consistent with a land use development pattern that supports and complements the proposed transportation network. The core vision of the 2020-2045 RTP/SCS and the 2024–2050 RTP/SCS is to better manage the existing transportation system through design management strategies, integrate land use decisions and technological advancements, create complete streets that are safe to all roadway users, preserve the transportation system, and expand transit and foster development in transit-oriented communities. Both the 2020-2045 RTP/SCS and 2024–2050 RTP/SCS contain transportation projects to help more efficiently distribute population, housing, and employment growth, as well as forecast development that is generally consistent with regional-level general plan data. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in the 2020-2045 RTP/SCS and the 2024–2050 RTP/SCS, would reach the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels). Neither the 2020-2045 RTP/SCS nor the 2024–2050 RTP/SCS require that local general plans, specific plans, or zoning be consistent with the RTP/SCS but both plans provide incentives for consistency for governments and developers.

Implementing SCAG's RTP/SCS will greatly reduce the regional GHG emissions from transportation, helping to achieve statewide emissions reduction targets. As demonstrated in the Air Quality Impact

Section, the proposed project does not meet the criteria identified in *State CEQA Guidelines* Section 15205.b.2 for projects of statewide, regional, or areawide significance. In addition, the proposed project would not require a change to the General Plan land use designation or the current zoning, and would be consistent with the City's General Plan and Zoning Ordinance. As such, the proposed project would not increase population growth forecasts and is not expected to alter SCAG's demographic projections; therefore, the proposed project is already reflected in SCAG's RTP/SCS and would not interfere with SCAG's ability to achieve the region's GHG reduction target of 19 percent below 2005 per capita emissions levels by 2035. Furthermore, the proposed project is not regionally significant per *State CEQA Guidelines* Section 15206 and as such, it would not conflict with the SCAG RTP/SCS targets since those targets were established and are applicable on a regional level. Impacts related to consistency with the SCAG RTP/SCS would be less than significant, and no mitigation is required.

As described above, although the proposed project would be consistent with the SCAG RTP/SCS, the proposed project would not be consistent with the policies or goals of the 2022 Scoping Plan related to VMT. Therefore, the proposed project would conflict with a plan or policy adopted for the purpose of reducing GHG emissions. This impact is significant and unavoidable.

CUMULATIVE IMPACTS

As defined in Section 15355 of the State CEQA Guidelines, cumulative impacts are the incremental effects of an individual project when viewed in connection with the effects of past, current, and probable future projects within the cumulative impact area.

As stated previously, the SCAQMD air quality significance thresholds considers the emission levels for which a project's individual emissions would be cumulatively considerable. Therefore, if a project falls below the SCAQMD significance threshold, its contribution would not be cumulatively considerable. Nevertheless, because the Western Realco Projects are reasonably foreseeable projects that would be located in the immediate vicinity of the project site and for the purposes of this analysis are assumed to have construction schedules that overlap with the proposed project, the City of Lake Forest, as the lead agency for the environmental review of the proposed project, has requested a quantitative cumulative impact analysis of the proposed project in combination with the immediately adjacent proposed Western Realco Projects. The Western Realco Projects are comprised of two separate projects (Western Realco Project 1 and Western Realco Project 2). Western Realco Project 1 (26110 Enterprise, 26140 Enterprise, and 26160 Enterprise Way) consists of an 8.42-acre project site located north of the IPT Enterprise Business Center LLC Project site along Bake Parkway. Western Realco Project 1 includes the demolition of three existing office buildings (a total of 150,000 sq ft) and the reconstruction of two new industrial buildings with a total of 156,800 sq ft (one 54,000 sq ft building and one 102,800 sq ft building). The two buildings would have a total of 59,800 sq ft of warehouse use, 79,000 sq ft of manufacturing use, and 18,000 sq ft of office space. Western Realco Project 2 (26250 Enterprise Way) consists of a 4.54-acre project site located immediately west of the IPT Enterprise Business Center LLC Project site in the intersection between Enterprise Way and Dimension Drive. Western Realco Project 2 includes the demolition of a 76,978 sq ft two-story office building and construction of a 77,000 sq ft single-story building. The building would have 69,000 sq ft of warehouse use and 8,000 sq ft of office space. The Western Realco Projects 1 and 2 analysis is based on the project-specific *Air Quality, Greenhouse Gas, and*

Energy Impact Report: Western Realco Enterprise Way Industrial Project, prepared by LSA in June 2025.[53] A quantitative evaluation of the combined air quality and health risk impacts of constructing and operating the proposed project and the Western Realco Projects at the same time has been prepared and is presented under the Cumulative Impacts section below.

Cumulative Air Quality Impacts

The cumulative impact area for air quality related to the proposed project is the South Coast Air Basin. Each project in the Basin is required to comply with SCAQMD rules and regulations and is subject to independent review. Future development that may take place with implementation of the Western Realco Project would contribute criteria pollutants to the area during project construction and operation.

The Basin is currently designated as a nonattainment area for the federal O_3 standard and $PM_{2.5}$ standard and as a nonattainment area for the State O_3, PM_{10}, and $PM_{2.5}$ standard. Thus, the Basin has not met the federal and State standards for these air pollutants. As identified above, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions. The regional thresholds developed by the SCAQMD are based on individual projects. In the absence of cumulative thresholds and to be conservative, this analysis would compare the combined cumulative emissions (emissions from the Western Realco Projects 1 and 2 and the proposed project) against the project-based SCAQMD significance criteria to determine impacts.

Cumulative Construction Emissions

During construction, short-term degradation of air quality may occur due to the release of particulate matter emissions (i.e., fugitive dust) generated by grading, building construction, paving, and other activities. Emissions from construction equipment are also anticipated and would include carbon monoxide (CO), nitrogen oxides (NO_X), reactive organic gases (ROG), particulate matter less than 2.5 microns ($PM_{2.5}$) and particulate matter less than 10 microns (PM_{10}), and toxic air contaminants such as diesel exhaust particulate matter.

Construction emissions were estimated using CalEEMod. As describe above, the potential development associated with the Western Realco Project would be comprised of two separate projects. Therefore, two separate model runs were conducted to evaluate the potential impacts under Western Realco Project 1 and Western Realco Project 2.

Construction activities under Western Realco Project 1 would consist of demolition, site preparation, grading, building construction, paving, architectural coating, and utility trenching activities. The Western Realco Project 1 would require the demolition approximately 150,000 sq ft of existing buildings, which was included in CalEEMod. Construction of Western Realco Project 1

[53] LSA. 2025. *Air Quality, Greenhouse Gas, and Energy Impact Report for the Western Realco Enterprise Way Industrial Project*. June.

would tentatively commence in the first quarter of 2026 and is expected to be completed in about 1 year, which was included in CalEEMod. Construction phase durations and schedule were provided by the project Applicant and included in CalEEMod. Western Realco Project 1 would not require the export or import of soil, which was also included in CalEEMod. In addition, Western Realco Project 1 would require the use of concrete industrial saws, excavators, impactors, bull dozers, tractors, loaders, backhoes, graders, scrapers, forklifts, cranes, generator sets, welders, cement and mortar mixers, paving equipment, and air compressors, which was included in CalEEMod. The number of equipment pieces was provided by the project Applicant, which was included in CalEEMod. This analysis assumes that Western Realco Project 1 would comply with SCAQMD Rule 403 and Rule 1113 measures. All other construction details are not yet known; therefore, default assumptions (e.g., worker and construction trips, off-road emission factors and construction trip lengths) from CalEEMod were used.

Construction activities under Western Realco Project 2 would consist of demolition, site preparation, grading, building construction, paving, architectural coating, and utility trenching activities. Western Realco Project 2 would require the demolition of approximately 76,978 sq ft of existing building, which was included in CalEEMod. Construction of Western Realco Project 2 would tentatively commence in the third quarter of 2026 and is expected to be completed in about 9 months, which was included in CalEEMod. Western Realco Project 2 would require the net import of approximately 1,167 cubic yards of material, which was also included in CalEEMod. Based on information from the project Applicant, the proposed project is anticipated to require the use of concrete industrial saws, excavators, impactors, jaw crushers, bull dozers, tractors, loaders, backhoes, graders, scrapers, forklifts, cranes, generator sets, welders, cement and mortar mixers, paving equipment, and air compressors, which was included in CalEEMod. The number of equipment pieces was provided by the project Applicant, which was included in CalEEMod. This analysis assumes that Western Realco Project 2 would comply with SCAQMD Rule 403 and Rule 1113 measures. All other construction details are not yet known; therefore, default assumptions (e.g., worker and construction trips, off-road emission factors and construction trip lengths) from CalEEMod were used.

The total peak emissions from Western Realco Projects 1 and 2, along with the peak emissions from the proposed project were summed and compared to the SCAQMD regional thresholds. Cumulative construction emissions are summarized in Table R below. Table R identifies the estimated emissions with implementation of MM AQ-1 for the proposed project along with the mitigated construction emissions for the Western Realco Projects 1 and 2 as identified in the *Air Quality, Greenhouse Gas, and Energy Impact Report: Western Realco Enterprise Way Industrial Project.*[54] Appendix C provides CalEEMod output sheets.

The results shown in Table R, indicate the cumulative emissions would not exceed the significance criteria for daily PM_{10} or $PM_{2.5}$. However, the maximum emissions for NO_X and VOC would exceed the significance criteria. As such, the cumulative impact of Western Realco Projects 1 and 2 and the proposed project would be potentially significant for criteria pollutants during construction.

[54] LSA. 2025. *Air Quality, Greenhouse Gas, and Energy Impact Report for the Western Realco Enterprise Way Industrial Project*. June.

Table R: Cumulative Construction Emissions

Construction Year	Total Regional Pollutant Emissions, lbs/day					
	VOC	NOx	CO	SOx	Total PM_{10}	Total $PM_{2.5}$
Western Realco Projects Estimated Emissions						
Project 1: 26110 Enterprise, 26140 Enterprise, and 26160 Enterprise Way with Tier 4 Final Mitigation						
2026	23.0	41.0	139.3	0.2	15.4	6.4
2027	23.0	40.9	111.8	0.2	2.2	0.8
Peak Daily Emissions	23.0	41.0	139.3	0.2	15.4	6.4
Project 2: 26250 Enterprise Way with Tier 4 Interim Mitigation						
2026	35.2	69.1	121.1	0.2	10.5	4.0
2027	13.6	78.6	98.0	0.2	3.1	1.8
Peak Daily Emissions	35.2	78.6	121.1	0.2	10.5	4.0
IPT Enterprise Business Center LLC Project - Proposed Project with MM AQ-1 (Tier 4 Interim)						
Peak Daily Emissions	24.4	57.9	112.6	0.1	9.8	4.5
Cumulative Peak Emissions (Western Realco Projects + proposed project)	**82.6**	**177.5**	**373.0**	**0.5**	**35.7**	**14.9**
SCAQMD Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Emissions Exceed Threshold?	**Yes**	**Yes**	**No**	**No**	**No**	**No**

Source: compiled by LSA (June 2025)
Note: The South Coast Air Basin is classified as non-attainment for Ozone under both the State and federal standards. Ozone is not directly emitted by any one source but rather forms in the atmosphere through reactions with other pollutants including NOx and VOCs.

CO = carbon monoxide
lbs/day = pounds per day
NOx = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SCAQMD = South Coast Air Quality Management District
SOx = sulfur oxides
VOC = volatile organic compounds

The VOC emissions during construction are primarily a result of architectural coating emissions. All cumulative projects would be required to comply with SCAQMD Rule 1113, which requires that VOC emissions be reduced during painting by placing limits on the VOC content in various coating categories. Compliance with Rule 1113 architectural coatings would minimize VOC emissions during construction. However, implementation of MM AQ-2 would be required to further reduce VOC emissions to the extent feasible for the proposed project and Western Realco Projects 1 and 2.

MM AQ-2 **Volatile Organic Compounds.** Prior to issuance of a grading permit, the Project Applicant shall submit construction plans to the City of Lake Forest that state that the project shall utilize "Super-Compliant" low volatile organic compounds (VOC) paints for nonresidential interior and exterior surfaces and low VOC paint for parking lot surfaces. Super-Compliant low VOC paints have been reformulated to exceed the regulatory VOC limits put forth by SCAQMD Rule 1113. Super-Compliant low VOC paints shall be no more than 10 grams per liter (g/L) of VOC.

In addition, as shown in Table R, cumulative NO_X emissions would exceed the significance criteria. As described above, this cumulative analysis provides an evaluation of the combined air quality impacts of constructing the proposed project and Western Realco Projects 1 and 2 at the same time. The

likelihood of all three projects being constructed at the same time represents a conservative assumption. In the event that the construction phases of the proposed project and Western Realco Projects 1 and 2 overlap, the proposed project would be required to implement MM AQ-3 to further reduce the cumulative NO_X emissions to the extent feasible.

MM AQ-3 **Tier 4 Final Construction Equipment.** Prior to issuance of a building permit, the project Applicant shall consult with the City on the status of Western Realco Projects 1 and 2. If in this consultation, the City identifies that the construction schedule of the Western Realco Projects 1 and 2, and the IPT Enterprise Business Center LLC Project (proposed project) will be under construction at the same time, the proposed project shall equip all construction equipment during the overlapping period with Tier 4 Final engines or the most effective Verified Diesel Emission Control Strategies (VDECS) available for the engine type (Tier 4 engines automatically meet this requirement) as certified by the California Air Resources Board. The equipment shall be properly maintained and tuned in accordance with manufacturer specifications. The project Applicant shall submit construction plans to the City of Lake Forest denoting the projected equipment Tier rating that will be used during the construction period.

Based on the project-specific *Air Quality, Greenhouse Gas, and Energy Impact Report: Western Realco Enterprise Way Industrial Project*,[55] the cumulative analysis for Western Realco Projects 1 and 2 along with the IPT Enterprise Business Center LLC Project would have the potential to result in cumulative pollutant emissions of NO_x and VOC during construction. Therefore, Western Realco Projects 1 and 2 would also be required to implement mitigation requiring the use of super compliant low VOC paints with no more than 10 grams per liter of VOC content to reduce cumulative VOC emissions to the extent feasible. In addition, in the event that the construction of the proposed project and phases of Western Realco Projects 1 and 2 overlap, Western Realco Projects 1 and 2 would also be required to implement mitigation requiring all construction equipment be equipped with Tier 4 Final engines or the most effective Verified Diesel Emission Control Strategies (VDECS) available for the engine type as certified by the CARB to reduce cumulative NO_X emissions. With implementation of these mitigation measures, the cumulative NO_X and VOC emissions would be reduced to a less than significant impact for Western Realco Projects 1 and 2, as identified in the *Air Quality, Greenhouse Gas, and Energy Impact Report: Western Realco Enterprise Way Industrial Project*.[56] Table S identifies the estimated cumulative emissions with implementation of MM AQ-2 and MM AQ-3 for the proposed project, as identified above, and the mitigated emissions identified for Western Realco Projects 1 and 2 which require implementation of super compliant low VOC paints and Tier 4 Final Engines.

[55] LSA. 2025. *Air Quality, Greenhouse Gas, and Energy Impact Report for the IPT Enterprise Business Center LLC Project*. June.

[56] LSA. 2025. *Air Quality, Greenhouse Gas, and Energy Impact Report for the Western Realco Enterprise Way Industrial Project*. June.

Table S: Mitigated Cumulative Construction Emissions

Construction Year	Total Regional Pollutant Emissions, lbs/day					
	VOC	NOx	CO	SOx	Total PM_{10}	Total $PM_{2.5}$
Western Realco Projects Estimated Emissions						
Mitigated Project 1: 26110 Enterprise, 26140 Enterprise, and 26160 Enterprise Way						
2026	5.0	41.0	139.3	0.2	15.4	6.4
2027	5.0	40.9	111.8	0.2	2.2	0.8
Peak Daily Emissions	5.0	41.0	139.3	0.2	15.4	6.4
Mitigated Project 2: 26250 Enterprise Way						
2026	35.0	26.2	121.1	0.2	10.2	3.7
2027	13.3	35.6	98.0	0.2	1.7	0.6
Peak Daily Emissions	35.0	35.6	121.1	0.2	10.2	3.7
IPT Enterprise Business Center LLC Project - Proposed Project with MM AQ-2 and MM AQ-3						
Peak Daily Emissions	5.9	10.5	112.6	0.1	9.8	4.5
Cumulative Peak Emissions (Western Realco Projects + proposed project)	**45.9**	**87.1**	**373.0**	**0.5**	**35.4**	**14.6**
SCAQMD Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Emissions Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: compiled by LSA (June 2025)
Note: The South Coast Air Basin is classified as non-attainment for Ozone under both the State and federal standards. Ozone is not directly emitted by any one source but rather forms in the atmosphere through reactions with other pollutants including NOx and VOCs.

CO = carbon monoxide
lbs/day = pounds per day
NOx = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SCAQMD = South Coast Air Quality Management District
SOx = sulfur oxides
VOC = volatile organic compound

As shown in Table S, with implementation of MM AQ-2 and MM AQ-3, estimated cumulative NO_x and VOC emissions associated with the proposed project along with Western Realco Projects 1 and 2 (if constructed at the same time) would be below the SCAQMD significance threshold. Therefore, with implementation of MM AQ-2 and MM AQ-3, cumulative construction emissions resulting from the implementation of the proposed project along with Western Realco projects 1 and 2 would not result in a cumulatively considerable net increase of any criteria pollutant for which the project is in nonattainment under an applicable federal or State ambient air quality standard.

Cumulative Operational Emissions

Long-term air pollutant emissions associated with operation of Western Realco Projects 1 and 2 include emissions from area, energy, and mobile sources, and are discussed below. The quantity of emissions is the product of usage intensity (i.e., the amount of natural gas) and the emission factor of the fuel source. Emission estimates for Western Realco Projects 1 and 2 operations were calculated using CalEEMod.

Western Realco Project 1 would construct two industrial buildings totaling 156,800 sq ft, which would include a mix of office, manufacturing, and warehouse space. Therefore, the Western Realco Project 1 analysis was conducted using land use codes *Unrefrigerated Warehouse-No Rail*,

Manufacturing, General Office Building, Parking Lot, and *Other Asphalt Surfaces*. Trip generation rates used in CalEEMod for Western Realco Project 1 were based on the project's Traffic Impact Analysis (TIA),[57] which identifies that Project 1 would generate approximately 670 ADT, including 104 ADT for warehouse uses, 371 ADT for manufacturing uses, and 195 ADT for office uses. As noted in the TIA, the trip generation rates are from the Institute of Transportation Engineers Trip Generation Manual, 11th Edition, and the Warehouse Truck Trip Study Data Results and Usage from the SCAQMD. This analysis assumes that the four-axle truck trips associated with the warehouse and manufacturing uses would travel approximately 40 miles. To be conservative, separate CalEEMod analyses were prepared for the operational analysis for Western Realco Project 1. One CalEEMod run evaluated operational and vehicle trip emissions and another CalEEMod run evaluated four-axle truck trip emissions for Western Realco Project 1. In addition, consistent with the project design plans, this CalEEMod analysis incorporates selections to reflect no natural gas usage during construction and operation. In addition, this analysis assumes that Western Realco Project 1 would be operational in 2027, which is included in CalEEMod.

Western Realco Project 2 would construct a 77,000 sq ft industrial building. Therefore, the Western Realco Project 2 analysis was conducted using land use codes *Unrefrigerated Warehouse-No Rail* and *Parking Lot*. Trip generation rates used in CalEEMod for Western Realco Project 2 were based on the project's TIA,[58] which identifies that Western Realco Project 2 would generate approximately 204 ADT, including 87 ADT for office uses. As noted in the TIA, the trip generation rates are from the Institute of Transportation Engineers Trip Generation Manual, 11th Edition, and the Warehouse Truck Trip Study Data Results and Usage from the SCAQMD. This analysis assumes that the four-axle truck trips associated with the warehouse uses would travel approximately 40 miles. To be conservative, separate CalEEMod analyses were prepared for the operational analysis for Western Realco Project 2. One CalEEMod run evaluated operational and vehicle trip emissions and another CalEEMod run evaluated four-axle truck trip emissions for Western Realco Project 2. In addition, consistent with the project design plans, this CalEEMod analysis incorporates selections to reflect no natural gas usage during construction and operation of Western Realco Project 2. In addition, this analysis assumes that Western Realco Project 2 would be operational in 2027, which is included in CalEEMod. Detailed input assumptions are included in the CalEEMod output sheets attached in Appendix C.

Operational Cumulative emissions are shown in Table T.

The results shown in Table T indicate the cumulative emissions associated with the proposed project and Western Realco Projects 1 and 2 would not exceed the project-level significance criteria for daily VOC, NO_x, PM_{10} or $PM_{2.5}$ emissions. Therefore, cumulative operational emissions would not result in a cumulatively considerable net increase of criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standards.

57 LSA. 2025a. *Traffic Impact Analysis for the Western Realco Enterprise Way Industrial Project.* April.
58 Ibid.

Table T: Cumulative Long Term Operational Emissions

Source	Pollutant Emissions, lbs/day					
	VOC	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
Western Realco Projects						
Project 1: 26110 Enterprise, 26140 Enterprise, and 26160 Enterprise Way						
Mobile Sources – Vehicles and Light Duty Trucks	1.9	2.0	21.7	0.1	6.1	1.6
Mobile Sources – Heavy Heavy Duty Trucks	0.1	5.4	2.3	<0.1	1.3	0.4
Area Sources	4.9	0.1	6.8	<0.1	<0.1	<0.1
Energy Sources	0.0	0.0	0.0	0.0	0.0	0.0
Total Project 1 Emissions	**6.9**	**7.5**	**30.8**	**0.1**	**7.4**	**2.0**
Project 2: 26250 Enterprise Way						
Mobile Sources – Vehicles and Light Duty Trucks	0.6	0.5	6.5	<0.1	1.8	0.5
Mobile Sources – Heavy Heavy Duty Trucks	<0.1	3.2	1.3	<0.1	0.9	0.3
Area Sources	2.4	<0.1	3.3	<0.1	<0.1	<0.1
Energy Sources	0.0	0.0	0.0	0.0	0.0	0.0
Total Project 2 Emissions	**3.0**	**3.7**	**11.1**	**<0.1**	**2.7**	**0.8**
IPT Enterprise Business Center LLC Project - Proposed Project						
Total Proposed Project Emissions	**8.1**	**16.9**	**33.3**	**0.2**	**7.7**	**2.3**
Total Cumulative Emissions (Western Realco Projects + proposed project)	**18.0**	**28.1**	**75.2**	**0.3**	**17.8**	**5.1**
SCAQMD Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Emissions Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (June 2025).

CO = carbon monoxide
lbs/day = pounds per day
NOx = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SOx = sulfur oxides
VOC = Volatile Organic Compound

Moreover, future development under Western Realco Projects 1 and 2 would be required to adhere to the General Plan policies, growth assumptions in the 2024–2050 RTP/SCS, and SCAQMD air quality plans. Construction and operational emissions associated with future individual projects would be further analyzed in a project-specific environmental analysis consistent with environmental review requirements under CEQA, as applicable.

Cumulative Energy Impacts

The geographic area for cumulative analysis of electricity is that of the SCE service area, while the geographic area for cumulative analysis of natural gas service is that of the SoCalGas service area. Although the proposed project and any future development for Western Realco Projects 1 and 2 would result in an increase in demand for electricity, this increase would not require SCE to expand or construct infrastructure that could cause substantial environmental impacts. As discussed previously, total electricity consumption in the SCE service area in 2022 was 85,870 GWh. By 2030, consumption is anticipated to increase by 12,000 GWh for the low-demand scenario and by

22,000 GWh for the high-demand scenario.[59] While this forecast represents a large increase in electricity consumption, the proposed project's share of cumulative consumption would be negligible. The proposed project, in combination with cumulative development, is well within SCE's system-wide net annual increase in electricity supplies over the 2018 to 2030 period, and there are sufficient planned electricity supplies in the region for estimated net increases in energy demands.

Similarly, additional natural gas infrastructure is not anticipated due to cumulative development. Total natural gas consumption in the SoCalGas service area in 2022 was 5,026 million therms. Between 2018 and 2030, total natural gas consumption in the SoCalGas service area is forecast to remain steady for the low- and mid-demand scenarios and to increase by approximately 650 million therms in the high-demand scenario due to intense energy efficiency efforts.[60] As mentioned in the preceding sections, the proposed project would not utilize natural gas during project construction and operation. Similarly, Western Realco Projects 1 and 2 would also not utilize natural gas during construction and operation. Therefore, the proposed project along with Western Realco Projects 1 and 2's share of cumulative consumption of natural gas in the SoCalGas service area would be zero. In addition, both SCE and SoCalGas demand forecasts include the growth contemplated by the proposed project and the other cumulative development within their respective service areas. Increased energy efficiency to comply with building energy efficiency standards would reduce energy consumption on a per-square-foot basis. Furthermore, utility companies are required to increase their renewable energy sources to meet the Renewable Portfolio Standards mandate of 60 percent renewable supplies by 2030. SCE and SoCalGas plan to continue to provide reliable service to their customers and upgrade their distribution systems as necessary to meet future demand.

Transportation energy use would also increase; however, this transportation energy use would not represent a major amount of energy use compared to the amount of existing development and to the total number of vehicle trips and VMT throughout Orange County and the region. The proposed project and cumulative development are required to comply with various federal and State government legislation to improve energy efficiency in buildings, equipment, and appliances, and reduce VMT.

As such, cumulative impacts from proposed project along with Western Realco Projects 1 and 2 would not result in an inefficient, wasteful, and unnecessary consumption of energy. Therefore, the proposed project and Western Realco Projects 1 and 2's contribution to the inefficient, wasteful, and unnecessary consumption of energy would not be cumulatively considerable.

Cumulative Greenhouse Gas Impacts

GHG impacts are by their nature cumulative impacts. Localized impacts of climate change are the result of the cumulative impact of global emissions. The combined benefits of reductions achieved by all levels of government help to slow or reverse the growth in GHG emissions. In the absence of comprehensive international agreements on appropriate levels of reductions achieved by each

59 CEC. 2018. *California Energy Demand, 2018–2030 Revised Forecast*. Publication Number: CEC-200-2018-002-CMF. February. Website: https://efiling.energy.ca.gov/getdocument.aspx?tn=223244 (accessed June 2025).

60 Ibid.

country, another measure of cumulative contribution is required. This serves to define the State's share of the reductions regardless of the activities or lack of activities of other areas of the U.S. or the world. Therefore, a cumulative threshold based on consistency with State targets and actions to reduce GHGs is an appropriate standard of comparison for significance determinations. The thresholds developed by the SCAQMD are based on individual projects. Since climate change is a global issue, it is unlikely that individual projects would generate enough GHG emissions to influence climate change on their own. Consequently, it is speculative to determine how an individual project's GHG emissions would impact climate change in California. As such, impacts identified under the Greenhouse Gas Impacts Section, are not project-specific impacts to global climate change but are the proposed project's contribution to this cumulative impact. The proposed project's emissions are less than the SCAQMD threshold of 3,000 MT CO_2e per year; therefore, environmental impacts related to GHG emissions and global climate change would not be cumulatively considerable under CEQA. The proposed project, in conjunction with other cumulative projects, would be subject to all applicable regulatory requirements, which would further reduce GHG emissions.

However, the proposed project would conflict with the goals of the 2022 Scoping Plan related to VMT. As identified under the Greenhouse Gas Impacts Section, the proposed project would not contribute to its "fair share" of emission reductions required to support SB 743 and the goals of the 2022 Scoping Plan. While implementation of the TDM measure (addition of bike lanes) would promote alternative transportation with the intent of reducing VMT, the project's VMT impact would not be reduced to below the City's VMT threshold, and therefore, would result in a significant and unavoidable transportation impact related to VMT. Therefore, the proposed project would conflict with the plans and policies adopted for the purpose of reducing the emissions of GHGs, including the 2022 Scoping Plan. As such, the proposed project would result in a significant and unavoidable cumulative impact.

CONCLUSIONS

Based on the analysis presented above, with implementation of MM AQ-1 construction and operation of the proposed project would not result in the generation of criteria air pollutants that would exceed SCAQMD thresholds of significance. Compliance with SCAQMD Rule 403: Fugitive Dust would further reduce construction dust impacts. With implementation of MM AQ-1, the proposed project is not expected to produce significant emissions that would affect nearby sensitive receptors. The proposed project would also not result in other emissions (e.g., those leading to odors) that affect a substantial number of people. The proposed project would not result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation and would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. In addition, GHG emissions released during construction and operation of the proposed project would be less than significant. However, the project would conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHG and therefore, would result in a significant and unavoidable project-related GHG impact.

Based on the analysis presented above, with implementation of MM AQ-2 and MM AQ-3, the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant. The proposed project would neither result in a cumulatively considerable increase of any air emissions affecting nearby sensitive receptors, nor would it result in other emissions (e.g., those leading to odors) that result in a cumulatively considerable effect on a substantial number of people. The proposed project would not result in a cumulatively considerable impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation and would not result in a cumulatively considerable impact due to conflict with or obstruction of a State or local plan for renewable energy or energy efficiency. In addition, GHG cumulative emissions impacts would not result in a potentially significant contribution to global climate change. However, the proposed project would conflict with the plans and policies adopted for the purpose of reducing the emissions of GHGs, including the 2022 Scoping Plan. As such, the proposed project would result in a significant and unavoidable cumulatively considerable impact related to GHG.

APPENDIX A

CALEEMOD OUTPUT SHEETS

IPT Enterprise Business Center LLC Project - Vehicles and Light Duty Trucks Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	IPT Enterprise Business Center LLC Project - Vehicles and Light Duty Trucks
Construction Start Date	1/5/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	4.20
Location	26200 Enterprise Way, Lake Forest, CA 92630, USA
County	Orange
City	Lake Forest
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	6046
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	166	1000sqft	5.33	165,803	66,559	—	—	—

Parking Lot	262	Space	2.36	0.00	0.00	—	—	—
Other Asphalt Surfaces	9.88	1000sqft	0.23	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Water	W-4	Require Low-Flow Water Fixtures
Water	W-5	Design Water-Efficient Landscapes

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.88	119	144	0.19	3.64	7.36	11.0	3.30	2.97	6.27	—	20,840	20,840	0.83	0.23	20,932
Mit.	2.12	10.5	113	0.19	0.39	7.36	7.75	0.39	2.97	3.36	—	20,840	20,840	0.83	0.23	20,932
% Reduced	57%	91%	21%	—	89%	—	30%	88%	—	46%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.9	119	143	0.19	3.64	9.53	12.9	3.30	4.20	7.21	—	20,805	20,805	0.83	0.23	20,894
Mit.	5.92	10.5	113	0.19	0.39	9.53	9.84	0.39	4.20	4.51	—	20,805	20,805	0.83	0.23	20,894

% Reduced	77%	91%	21%	—	89%	—	23%	88%	—	37%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.91	42.3	51.8	0.07	1.32	2.50	3.82	1.21	0.90	2.11	—	7,853	7,853	0.31	0.10	7,892
Mit.	1.07	4.45	43.7	0.07	0.14	2.50	2.65	0.14	0.90	1.05	—	7,853	7,853	0.31	0.10	7,892
% Reduced	63%	89%	16%	—	89%	—	31%	88%	—	50%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.53	7.72	9.46	0.01	0.24	0.46	0.70	0.22	0.16	0.38	—	1,300	1,300	0.05	0.02	1,307
Mit.	0.19	0.81	7.98	0.01	0.03	0.46	0.48	0.03	0.16	0.19	—	1,300	1,300	0.05	0.02	1,307
% Reduced	63%	89%	16%	—	89%	—	31%	88%	—	50%	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.88	119	144	0.19	3.64	7.36	11.0	3.30	2.97	6.27	—	20,840	20,840	0.83	0.23	20,932
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	25.9	119	143	0.19	3.64	9.53	12.9	3.30	4.20	7.21	—	20,805	20,805	0.83	0.23	20,894
2027	24.0	9.57	7.78	0.01	0.50	0.18	0.69	0.47	0.05	0.51	—	1,347	1,347	0.06	0.04	1,361
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.91	42.3	51.8	0.07	1.32	2.50	3.82	1.21	0.90	2.11	—	7,853	7,853	0.31	0.10	7,892
2027	0.98	0.39	0.32	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	55.4	55.4	< 0.005	< 0.005	56.0

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.53	7.72	9.46	0.01	0.24	0.46	0.70	0.22	0.16	0.38	—	1,300	1,300	0.05	0.02	1,307
2027	0.18	0.07	0.06	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	9.18	9.18	< 0.005	< 0.005	9.28

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.12	10.5	113	0.19	0.39	7.36	7.75	0.39	2.97	3.36	—	20,840	20,840	0.83	0.23	20,932
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	5.92	10.5	113	0.19	0.39	9.53	9.84	0.39	4.20	4.51	—	20,805	20,805	0.83	0.23	20,894
2027	4.76	1.93	7.78	0.01	0.02	0.18	0.21	0.02	0.05	0.07	—	1,347	1,347	0.06	0.04	1,361
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.07	4.45	43.7	0.07	0.14	2.50	2.65	0.14	0.90	1.05	—	7,853	7,853	0.31	0.10	7,892
2027	0.20	0.08	0.32	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	55.4	55.4	< 0.005	< 0.005	56.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.19	0.81	7.98	0.01	0.03	0.46	0.48	0.03	0.16	0.19	—	1,300	1,300	0.05	0.02	1,307
2027	0.04	0.01	0.06	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.18	9.18	< 0.005	< 0.005	9.28

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	7.90	8.01	29.7	0.07	0.33	5.06	5.39	0.31	1.28	1.59	157	8,870	9,028	16.3	0.41	9,574
Mit.	7.90	8.01	29.7	0.07	0.33	5.06	5.39	0.31	1.28	1.59	150	8,774	8,924	15.5	0.39	9,446
% Reduced	—	—	—	—	—	—	—	—	—	—	5%	1%	1%	5%	4%	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.72	8.08	20.9	0.07	0.32	5.06	5.38	0.30	1.28	1.58	157	8,638	8,795	16.3	0.42	9,327
Mit.	6.72	8.08	20.9	0.07	0.32	5.06	5.38	0.30	1.28	1.58	150	8,541	8,692	15.5	0.40	9,199
% Reduced	—	—	—	—	—	—	—	—	—	—	5%	1%	1%	5%	4%	1%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.09	6.95	25.2	0.07	0.26	5.05	5.31	0.24	1.28	1.52	157	8,495	8,653	16.3	0.42	9,191
Mit.	7.09	6.95	25.2	0.07	0.26	5.05	5.31	0.24	1.28	1.52	150	8,399	8,549	15.5	0.40	9,063
% Reduced	—	—	—	—	—	—	—	—	—	—	5%	1%	1%	5%	4%	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.29	1.27	4.60	0.01	0.05	0.92	0.97	0.04	0.23	0.28	26.1	1,406	1,433	2.69	0.07	1,522
Mit.	1.29	1.27	4.60	0.01	0.05	0.92	0.97	0.04	0.23	0.28	24.9	1,391	1,415	2.57	0.07	1,501
% Reduced	—	—	—	—	—	—	—	—	—	—	5%	1%	1%	5%	4%	1%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.58	1.47	18.0	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,449	5,449	0.15	0.20	5,531

Area	5.17	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,262	1,262	0.08	0.01	1,267
Water	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	7.90	8.01	29.7	0.07	0.33	5.06	5.39	0.31	1.28	1.59	157	8,870	9,028	16.3	0.41	9,574
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.58	1.60	16.4	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,246	5,246	0.16	0.21	5,314
Area	3.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,262	1,262	0.08	0.01	1,267
Water	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	6.72	8.08	20.9	0.07	0.32	5.06	5.38	0.30	1.28	1.58	157	8,638	8,795	16.3	0.42	9,327
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.56	1.62	16.8	0.05	0.03	5.05	5.07	0.03	1.28	1.31	—	5,301	5,301	0.16	0.21	5,376
Area	4.80	0.04	4.94	< 0.005	0.01	—	0.01	0.01	—	0.01	—	20.3	20.3	< 0.005	< 0.005	20.4
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,262	1,262	0.08	0.01	1,267
Water	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.07	0.19	0.17	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	34.5	34.5	< 0.005	< 0.005	34.6
Total	7.09	6.95	25.2	0.07	0.26	5.05	5.31	0.24	1.28	1.52	157	8,495	8,653	16.3	0.42	9,191

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.29	0.30	3.07	0.01	0.01	0.92	0.93	< 0.005	0.23	0.24	—	878	878	0.03	0.04	890
Area	0.88	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	209	209	0.01	< 0.005	210
Water	—	—	—	—	—	—	—	—	—	—	12.2	64.1	76.3	1.25	0.03	117
Waste	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7
Off-Road	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248
Stationary	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73
Total	1.29	1.27	4.60	0.01	0.05	0.92	0.97	0.04	0.23	0.28	26.1	1,406	1,433	2.69	0.07	1,522

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.58	1.47	18.0	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,449	5,449	0.15	0.20	5,531
Area	5.17	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,207	1,207	0.07	0.01	1,212
Water	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	7.90	8.01	29.7	0.07	0.33	5.06	5.39	0.31	1.28	1.59	150	8,774	8,924	15.5	0.39	9,446
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.58	1.60	16.4	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,246	5,246	0.16	0.21	5,314

Area	3.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,207	1,207	0.07	0.01	1,212
Water	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	6.72	8.08	20.9	0.07	0.32	5.06	5.38	0.30	1.28	1.58	150	8,541	8,692	15.5	0.40	9,199
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.56	1.62	16.8	0.05	0.03	5.05	5.07	0.03	1.28	1.31	—	5,301	5,301	0.16	0.21	5,376
Area	4.80	0.04	4.94	< 0.005	0.01	—	0.01	0.01	—	0.01	—	20.3	20.3	< 0.005	< 0.005	20.4
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,207	1,207	0.07	0.01	1,212
Water	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.07	0.19	0.17	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	34.5	34.5	< 0.005	< 0.005	34.6
Total	7.09	6.95	25.2	0.07	0.26	5.05	5.31	0.24	1.28	1.52	150	8,399	8,549	15.5	0.40	9,063
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.29	0.30	3.07	0.01	0.01	0.92	0.93	< 0.005	0.23	0.24	—	878	878	0.03	0.04	890
Area	0.88	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	200	200	0.01	< 0.005	201
Water	—	—	—	—	—	—	—	—	—	—	11.0	57.3	68.2	1.13	0.03	105
Waste	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7
Off-Road	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248
Stationary	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73
Total	1.29	1.27	4.60	0.01	0.05	0.92	0.97	0.04	0.23	0.28	24.9	1,391	1,415	2.57	0.07	1,501

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	7.34	24.9	0.05	0.40	—	0.40	0.38	—	0.38	—	4,774	4,774	0.19	0.04	4,791
Demolition	—	—	—	—	—	3.61	3.61	—	0.55	0.55	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.68	2.32	< 0.005	0.04	—	0.04	0.04	—	0.04	—	445	445	0.02	< 0.005	446
Demolition	—	—	—	—	—	0.34	0.34	—	0.05	0.05	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.6	73.6	< 0.005	< 0.005	73.9
Demolition	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.91	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	248	248	< 0.005	0.01	251
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.8	62.8	< 0.005	0.01	65.5
Hauling	0.01	0.85	0.37	< 0.005	0.01	0.18	0.19	0.01	0.05	0.06	—	686	686	0.05	0.11	719
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.4	23.4	< 0.005	< 0.005	23.7
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.84	5.84	< 0.005	< 0.005	6.10
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.8	63.8	< 0.005	0.01	67.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.87	3.87	< 0.005	< 0.005	3.93
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.97	0.97	< 0.005	< 0.005	1.01
Hauling	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	11.1

3.2. Demolition (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	5.18	24.9	0.05	0.09	—	0.09	0.09	—	0.09	—	4,774	4,774	0.19	0.04	4,791

Demolitio	—	—	—	—	—	3.61	3.61	—	0.55	0.55	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.48	2.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	445	445	0.02	< 0.005	446
Demolitio n	—	—	—	—	—	0.34	0.34	—	0.05	0.05	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	73.6	73.6	< 0.005	< 0.005	73.9
Demolitio n	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.91	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	248	248	< 0.005	0.01	251
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.8	62.8	< 0.005	0.01	65.5
Hauling	0.01	0.85	0.37	< 0.005	0.01	0.18	0.19	0.01	0.05	0.06	—	686	686	0.05	0.11	719
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.4	23.4	< 0.005	< 0.005	23.7
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.84	5.84	< 0.005	< 0.005	6.10
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.8	63.8	< 0.005	0.01	67.0

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.87	3.87	< 0.005	< 0.005	3.93
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.97	0.97	< 0.005	< 0.005	1.01
Hauling	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	11.1

3.3. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	24.0	27.6	0.02	0.69	—	0.69	0.65	—	0.65	—	2,382	2,382	0.10	0.02	2,391
Dust From Material Movement	—	—	—	—	—	2.56	2.56	—	1.31	1.31	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.32	1.51	< 0.005	0.04	—	0.04	0.04	—	0.04	—	131	131	0.01	< 0.005	131
Dust From Material Movement	—	—	—	—	—	0.14	0.14	—	0.07	0.07	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.24	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.6	21.6	< 0.005	< 0.005	21.7
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.55	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	149	149	< 0.005	0.01	150
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.8	62.8	< 0.005	0.01	65.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.26	8.26	< 0.005	< 0.005	8.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	3.59
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.37	1.37	< 0.005	< 0.005	1.39
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	0.59
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.17	14.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,382	2,382	0.10	0.02	2,391
Dust From Material Movement	—	—	—	—	—	2.56	2.56	—	1.31	1.31	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	131	131	0.01	< 0.005	131
Dust From Material Movement	—	—	—	—	—	0.14	0.14	—	0.07	0.07	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.6	21.6	< 0.005	< 0.005	21.7
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.55	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	149	149	< 0.005	0.01	150
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.8	62.8	< 0.005	0.01	65.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.26	8.26	< 0.005	< 0.005	8.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	3.59
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.37	1.37	< 0.005	< 0.005	1.39
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	0.59
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.55	84.3	102	0.13	2.63	—	2.63	2.36	—	2.36	—	13,945	13,945	0.57	0.11	13,993
Dust From Material Movement	—	—	—	—	—	6.56	6.56	—	2.78	2.78	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.55	84.3	102	0.13	2.63	—	2.63	2.36	—	2.36	—	13,945	13,945	0.57	0.11	13,993
Dust From Material Movement	—	—	—	—	—	6.56	6.56	—	2.78	2.78	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	20.3	24.5	0.03	0.63	—	0.63	0.57	—	0.57	—	3,362	3,362	0.14	0.03	3,374
Dust From Material Movement	—	—	—	—	—	1.58	1.58	—	0.67	0.67	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	3.71	4.48	0.01	0.12	—	0.12	0.10	—	0.10	—	557	557	0.02	< 0.005	559
Dust From Material Movement	—	—	—	—	—	0.29	0.29	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.84	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	208	208	< 0.005	0.01	211
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.7	62.7	< 0.005	0.01	65.6

Hauling	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	68.5	68.5	0.01	0.01	72.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	198	198	< 0.005	0.01	201
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.8	62.8	< 0.005	0.01	65.5
Hauling	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	68.6	68.6	0.01	0.01	71.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	48.5	48.5	< 0.005	< 0.005	49.1
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	15.8
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.5	16.5	< 0.005	< 0.005	17.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.02	8.02	< 0.005	< 0.005	8.13
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.50	2.50	< 0.005	< 0.005	2.62
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.74	2.74	< 0.005	< 0.005	2.87

3.6. Grading (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.32	6.85	71.2	0.13	0.26	—	0.26	0.26	—	0.26	—	13,945	13,945	0.57	0.11	13,993
Dust From Material Movement	—	—	—	—	—	6.56	6.56	—	2.78	2.78	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.32	6.85	71.2	0.13	0.26	—	0.26	0.26	—	0.26	—	13,945	13,945	0.57	0.11	13,993
Dust From Material Movement	—	—	—	—	—	6.56	6.56	—	2.78	2.78	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.65	17.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,362	3,362	0.14	0.03	3,374
Dust From Material Movement	—	—	—	—	—	1.58	1.58	—	0.67	0.67	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.30	3.13	0.01	0.01	—	0.01	0.01	—	0.01	—	557	557	0.02	< 0.005	559
Dust From Material Movement	—	—	—	—	—	0.29	0.29	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.84	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	208	208	< 0.005	0.01	211
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.7	62.7	< 0.005	0.01	65.6

Hauling	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	68.5	68.5	0.01	0.01	72.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	198	198	< 0.005	0.01	201
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.8	62.8	< 0.005	0.01	65.5
Hauling	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	68.6	68.6	0.01	0.01	71.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	48.5	48.5	< 0.005	< 0.005	49.1
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	15.8
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.5	16.5	< 0.005	< 0.005	17.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.02	8.02	< 0.005	< 0.005	8.13
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.50	2.50	< 0.005	< 0.005	2.62
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.74	2.74	< 0.005	< 0.005	2.87

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	33.9	38.7	0.05	1.01	—	1.01	0.93	—	0.93	—	5,904	5,904	0.24	0.05	5,924
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.13	33.9	38.7	0.05	1.01	—	1.01	0.93	—	0.93	—	5,904	5,904	0.24	0.05	5,924
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	18.2	20.8	0.03	0.54	—	0.54	0.50	—	0.50	—	3,170	3,170	0.13	0.03	3,181
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	3.32	3.80	0.01	0.10	—	0.10	0.09	—	0.09	—	525	525	0.02	< 0.005	527
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	2.11	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	521	521	0.01	0.02	528
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.7	62.7	< 0.005	0.01	65.6
Hauling	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	68.5	68.5	0.01	0.01	72.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.14	1.82	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	496	496	0.01	0.02	502
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.8	62.8	< 0.005	0.01	65.5
Hauling	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	68.6	68.6	0.01	0.01	71.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.02	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	270	270	< 0.005	0.01	273
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.7	33.7	< 0.005	< 0.005	35.2
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.8	36.8	< 0.005	0.01	38.6

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44.7	44.7	< 0.005	< 0.005	45.3
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.58	5.58	< 0.005	< 0.005	5.83
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.09	6.09	< 0.005	< 0.005	6.40

3.8. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	3.15	38.7	0.05	0.12	—	0.12	0.12	—	0.12	—	5,904	5,904	0.24	0.05	5,924
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	3.15	38.7	0.05	0.12	—	0.12	0.12	—	0.12	—	5,904	5,904	0.24	0.05	5,924
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	1.69	20.8	0.03	0.07	—	0.07	0.07	—	0.07	—	3,170	3,170	0.13	0.03	3,181
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.31	3.80	0.01	0.01	—	0.01	0.01	—	0.01	—	525	525	0.02	< 0.005	527

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	2.11	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	521	521	0.01	0.02	528
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.7	62.7	< 0.005	0.01	65.6
Hauling	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	68.5	68.5	0.01	0.01	72.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.14	1.82	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	496	496	0.01	0.02	502
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.8	62.8	< 0.005	0.01	65.5
Hauling	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	68.6	68.6	0.01	0.01	71.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.02	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	270	270	< 0.005	0.01	273
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.7	33.7	< 0.005	< 0.005	35.2
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.8	36.8	< 0.005	0.01	38.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44.7	44.7	< 0.005	< 0.005	45.3
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.58	5.58	< 0.005	< 0.005	5.83
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.09	6.09	< 0.005	< 0.005	6.40

3.9. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	11.0	8.76	0.01	0.48	—	0.48	0.45	—	0.45	—	1,335	1,335	0.05	0.01	1,340
Paving	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.97	0.77	< 0.005	0.04	—	0.04	0.04	—	0.04	—	117	117	< 0.005	< 0.005	117
Paving	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.18	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.4	19.4	< 0.005	< 0.005	19.4
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.91	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	248	248	< 0.005	0.01	251
Vendor	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.4	31.4	< 0.005	< 0.005	32.7
Hauling	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	144

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.0	22.0	< 0.005	< 0.005	22.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.75	2.75	< 0.005	< 0.005	2.87
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	12.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.65	3.65	< 0.005	< 0.005	3.69
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	0.48
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	2.09

3.10. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.51	8.76	0.01	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	1,340
Paving	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	117	117	< 0.005	< 0.005	117
Paving	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.4	19.4	< 0.005	< 0.005	19.4
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.91	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	248	248	< 0.005	0.01	251
Vendor	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.4	31.4	< 0.005	< 0.005	32.7
Hauling	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.0	22.0	< 0.005	< 0.005	22.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.75	2.75	< 0.005	< 0.005	2.87
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	12.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.65	3.65	< 0.005	< 0.005	3.69
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	0.48
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	2.09

3.11. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	9.31	7.25	0.01	0.50	—	0.50	0.47	—	0.47	—	1,029	1,029	0.04	0.01	1,033
Architectural Coatings	23.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.46	0.35	< 0.005	0.02	—	0.02	0.02	—	0.02	—	50.4	50.4	< 0.005	< 0.005	50.5
Architectural Coatings	1.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.34	8.34	< 0.005	< 0.005	8.37
Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.45	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	125
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.8	62.8	< 0.005	0.01	65.5
Hauling	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.15	6.15	< 0.005	< 0.005	6.23
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.07	3.07	< 0.005	< 0.005	3.21
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.71	6.71	< 0.005	< 0.005	7.04
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.02	1.02	< 0.005	< 0.005	1.03
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.51	0.51	< 0.005	< 0.005	0.53
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	1.17

3.12. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.67	7.25	0.01	0.02	—	0.02	0.02	—	0.02	—	1,029	1,029	0.04	0.01	1,033
Architectural Coatings	4.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.4	50.4	< 0.005	< 0.005	50.5
Architectural Coatings	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.34	8.34	< 0.005	< 0.005	8.37
Architectural Coatings	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.45	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	125
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.8	62.8	< 0.005	0.01	65.5
Hauling	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.15	6.15	< 0.005	< 0.005	6.23
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.07	3.07	< 0.005	< 0.005	3.21
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.71	6.71	< 0.005	< 0.005	7.04

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.02	1.02	< 0.005	< 0.005	1.03
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.51	0.51	< 0.005	< 0.005	0.53
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	1.17

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	9.31	7.25	0.01	0.50	—	0.50	0.47	—	0.47	—	1,029	1,029	0.04	0.01	1,033
Architectural Coatings	23.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.38	0.30	< 0.005	0.02	—	0.02	0.02	—	0.02	—	42.3	42.3	< 0.005	< 0.005	42.4
Architectural Coatings	0.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.07	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.00	7.00	< 0.005	< 0.005	7.03
Architectural Coatings	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.43	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	< 0.005	123
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.6	61.6	< 0.005	0.01	64.2
Hauling	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	134	134	0.01	0.02	141
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.08	5.08	< 0.005	< 0.005	5.14
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.53	2.53	< 0.005	< 0.005	2.64
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.52	5.52	< 0.005	< 0.005	5.80
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	0.85
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	0.44
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	0.96

3.14. Architectural Coating (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.67	7.25	0.01	0.02	—	0.02	0.02	—	0.02	—	1,029	1,029	0.04	0.01	1,033
Architectural Coatings	4.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.07	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.3	42.3	< 0.005	< 0.005	42.4
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.00	7.00	< 0.005	< 0.005	7.03
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.43	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	< 0.005	123
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.6	61.6	< 0.005	0.01	64.2
Hauling	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	134	134	0.01	0.02	141
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.08	5.08	< 0.005	< 0.005	5.14
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.53	2.53	< 0.005	< 0.005	2.64
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.52	5.52	< 0.005	< 0.005	5.80
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	0.85
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	0.44
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	0.96

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.58	1.47	18.0	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,449	5,449	0.15	0.20	5,531

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	1.58	1.47	18.0	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,449	5,449	0.15	0.20	5,531
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.58	1.60	16.4	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,246	5,246	0.16	0.21	5,314
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	1.58	1.60	16.4	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,246	5,246	0.16	0.21	5,314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.29	0.30	3.07	0.01	0.01	0.92	0.93	< 0.005	0.23	0.24	—	878	878	0.03	0.04	890
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.29	0.30	3.07	0.01	0.01	0.92	0.93	< 0.005	0.23	0.24	—	878	878	0.03	0.04	890

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.58	1.47	18.0	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,449	5,449	0.15	0.20	5,531
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	1.58	1.47	18.0	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,449	5,449	0.15	0.20	5,531
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.58	1.60	16.4	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,246	5,246	0.16	0.21	5,314
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	1.58	1.60	16.4	0.05	0.03	5.06	5.09	0.03	1.28	1.31	—	5,246	5,246	0.16	0.21	5,314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.29	0.30	3.07	0.01	0.01	0.92	0.93	< 0.005	0.23	0.24	—	878	878	0.03	0.04	890
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.29	0.30	3.07	0.01	0.01	0.92	0.93	< 0.005	0.23	0.24	—	878	878	0.03	0.04	890

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,131	1,131	0.07	0.01	1,135
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	131	131	0.01	< 0.005	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,262	1,262	0.08	0.01	1,267
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,131	1,131	0.07	0.01	1,135
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	131	131	0.01	< 0.005	132

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,262	1,262	0.08	0.01	1,267
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	187	187	0.01	< 0.005	188
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7	< 0.005	< 0.005	21.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	209	209	0.01	< 0.005	210

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,076	1,076	0.07	0.01	1,080
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	131	131	0.01	< 0.005	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,207	1,207	0.07	0.01	1,212

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,076	1,076	0.07	0.01	1,080
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	131	131	0.01	< 0.005	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,207	1,207	0.07	0.01	1,212
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	178	178	0.01	< 0.005	179
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7	< 0.005	< 0.005	21.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	200	200	0.01	< 0.005	201

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.18	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8
Total	5.17	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.15	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37
Total	0.88	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.18	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8

Total	5.17	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.15	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37
Total	0.88	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	12.2	64.1	76.3	1.25	0.03	117
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	12.2	64.1	76.3	1.25	0.03	117

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	11.0	57.3	68.2	1.13	0.03	105
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	11.0	57.3	68.2	1.13	0.03	105

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Material Handling Equipment	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Total	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Material Handling Equipment	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Total	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Material Handling Equipment	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248
Total	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Other Material Handling Equipment	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Total	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Material Handling Equipment	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Total	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Material Handling Equipment	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248
Total	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73
Total	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73
Total	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequeste	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/5/2026	2/19/2026	5.00	34.0	—
Site Preparation	Site Preparation	2/9/2026	3/6/2026	5.00	20.0	—
Grading	Grading	2/23/2026	6/24/2026	5.00	88.0	—
Building Construction	Building Construction	3/9/2026	12/7/2026	5.00	196	—
Paving	Paving	11/2/2026	12/15/2026	5.00	32.0	—
Architectural Coating	Architectural Coating	12/7/2026	1/21/2027	5.00	34.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 2	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 2	3.00	8.00	36.0	0.38
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	367	0.40

Site Preparation	Rubber Tired Dozers	Diesel	Tier 1	1.00	8.00	325	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 3	4.00	8.00	175	0.38
Grading	Graders	Diesel	Tier 3	1.00	8.00	185	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 1	2.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	8.00	125	0.37
Grading	Scrapers	Diesel	Tier 3	3.00	8.00	500	0.48
Building Construction	Cranes	Diesel	Tier 2	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 2	3.00	8.00	367	0.20
Building Construction	Generator Sets	Diesel	Tier 2	1.00	8.00	82.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 2	1.00	8.00	14.0	0.45
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	5.00	10.0	88.0	0.42
Paving	Pavers	Diesel	Tier 2	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 2	2.00	6.00	86.0	0.36
Paving	Rollers	Diesel	Tier 2	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Tier 2	2.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Tier 1	2.00	6.00	37.0	0.48
Architectural Coating	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	7.00	84.0	0.37

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	325	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 4 Final	4.00	8.00	175	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	185	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	125	0.37
Grading	Scrapers	Diesel	Tier 4 Final	3.00	8.00	500	0.48
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	367	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	82.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 2	1.00	8.00	14.0	0.45
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	5.00	10.0	88.0	0.42
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	6.00	86.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Tier 2	2.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	37.0	0.48
Architectural Coating	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	20.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	2.00	10.2	HHDT,MHDT
Demolition	Hauling	10.0	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	12.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	16.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	2.00	10.2	HHDT,MHDT
Grading	Hauling	1.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	40.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	2.00	10.2	HHDT,MHDT
Building Construction	Hauling	1.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	1.00	10.2	HHDT,MHDT
Paving	Hauling	2.00	20.0	HHDT

Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	10.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	2.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	20.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	2.00	10.2	HHDT,MHDT
Demolition	Hauling	10.0	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	12.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	16.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	2.00	10.2	HHDT,MHDT
Grading	Hauling	1.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	40.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	2.00	10.2	HHDT,MHDT
Building Construction	Hauling	1.00	20.0	HHDT

Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	1.00	10.2	HHDT,MHDT
Paving	Hauling	2.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	10.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	2.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	248,705	82,902	6,755

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	8,889	—
Site Preparation	0.00	0.00	10.0	0.00	—
Grading	0.00	900	396	0.00	—
Paving	0.00	0.00	0.00	0.00	2.58

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	2.36	100%
Other Asphalt Surfaces	0.23	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	516	516	516	188,211	7,150	7,150	7,150	2,609,612
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	516	516	516	188,211	7,150	7,150	7,150	2,609,612
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	248,705	82,902	6,755

5.10.3. Landscape Equipment

Season	Unit	Value

Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	776,018	532	0.0330	0.0040	0.00
Parking Lot	89,978	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	738,252	532	0.0330	0.0040	0.00
Parking Lot	89,978	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	38,341,944	862,629
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	34,565,262	369,408
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	156	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	156	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Other Material Handling Equipment	Diesel	Average	2.00	8.00	200	0.40

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Other Material Handling Equipment	Diesel	Average	2.00	8.00	200	0.40

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	1.00	1.00	50.0	300	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Project is proposing a 165,803-sf industrial building, including 66,559-sf of landscape area, 262 parking spaces, and 9,875-sf of paved area on an 8.83-acre project site
Construction: Construction Phases	Construction schedule based is on a tentative commence date of January 2026 and a duration of 12 months. Based on Appliant's construction data provided in the data spreadsheet.
Construction: Off-Road Equipment	Construction equipment is based on the Appliant's construction data provided in the data spreadsheet.
Construction: Trips and VMT	number of worker trips, vendor trips, and hauling trips was based on the Appliant's construction data provided in the data spreadsheet.
Construction: Architectural Coatings	project would comply with SCAQMD Rule 1113 for architectural coating
Operations: Vehicle Data	Based on a total trip generation of 515 ADT for cars and light duty trucks only trip generation = 515 ADT /165.803 tsf = 3.11
Operations: Fleet Mix	Based on 515 ADT, including 494 vehicle trips and 21 MHDT
Operations: Energy Use	project would be designed to be all electric
Operations: Off-Road Equipment	project would include two 200-hp diesel powered cargo handling equipment pieces

IPT Enterprise Business Center LLC Project - HHDT Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	IPT Enterprise Business Center LLC Project - HHDT
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	4.20
Location	26200 Enterprise Way, Lake Forest, CA 92630, USA
County	Orange
City	Lake Forest
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	6046
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	166	1000sqft	5.33	165,803	66,559	—	—	—
Parking Lot	262	Space	2.36	0.00	0.00	—	—	—

Other Asphalt Surfaces	9.88	1000sqft	0.23	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Water	W-4	Require Low-Flow Water Fixtures
Water	W-5	Design Water-Efficient Landscapes

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.43	14.9	15.2	0.09	0.42	2.13	2.55	0.40	0.57	0.97	157	11,129	11,286	16.6	1.44	12,146
Mit.	6.43	14.9	15.2	0.09	0.42	2.13	2.55	0.40	0.57	0.97	150	11,033	11,183	15.9	1.42	12,018
% Reduced	—	—	—	—	—	—	—	—	—	—	5%	1%	1%	4%	1%	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.24	15.2	8.05	0.09	0.41	2.13	2.54	0.39	0.57	0.96	157	11,101	11,258	16.6	1.44	12,103
Mit.	5.24	15.2	8.05	0.09	0.41	2.13	2.54	0.39	0.57	0.96	150	11,004	11,155	15.9	1.42	11,975
% Reduced	—	—	—	—	—	—	—	—	—	—	5%	1%	1%	4%	1%	1%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.63	14.2	11.9	0.08	0.35	2.13	2.48	0.33	0.57	0.90	157	10,903	11,060	16.6	1.44	11,910
Mit.	5.63	14.2	11.9	0.08	0.35	2.13	2.48	0.33	0.57	0.90	150	10,807	10,957	15.9	1.42	11,783
% Reduced	—	—	—	—	—	—	—	—	—	—	5%	1%	1%	4%	1%	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.03	2.59	2.17	0.02	0.06	0.39	0.45	0.06	0.10	0.16	26.1	1,805	1,831	2.75	0.24	1,972
Mit.	1.03	2.59	2.17	0.02	0.06	0.39	0.45	0.06	0.10	0.16	24.9	1,789	1,814	2.63	0.23	1,951
% Reduced	—	—	—	—	—	—	—	—	—	—	5%	1%	1%	4%	1%	1%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.11	8.40	3.50	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,708	7,708	0.53	1.23	8,103
Area	5.17	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,262	1,262	0.08	0.01	1,267
Water	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	6.43	14.9	15.2	0.09	0.42	2.13	2.55	0.40	0.57	0.97	157	11,129	11,286	16.6	1.44	12,146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.10	8.72	3.52	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,709	7,709	0.53	1.23	8,090
Area	3.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,262	1,262	0.08	0.01	1,267
Water	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	5.24	15.2	8.05	0.09	0.41	2.13	2.54	0.39	0.57	0.96	157	11,101	11,258	16.6	1.44	12,103
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.10	8.84	3.51	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,708	7,708	0.53	1.23	8,095
Area	4.80	0.04	4.94	< 0.005	0.01	—	0.01	0.01	—	0.01	—	20.3	20.3	< 0.005	< 0.005	20.4
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,262	1,262	0.08	0.01	1,267
Water	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.07	0.19	0.17	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	34.5	34.5	< 0.005	< 0.005	34.6
Total	5.63	14.2	11.9	0.08	0.35	2.13	2.48	0.33	0.57	0.90	157	10,903	11,060	16.6	1.44	11,910
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.02	1.61	0.64	0.01	0.02	0.39	0.41	0.02	0.10	0.13	—	1,276	1,276	0.09	0.20	1,340
Area	0.88	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	209	209	0.01	< 0.005	210
Water	—	—	—	—	—	—	—	—	—	—	12.2	64.1	76.3	1.25	0.03	117
Waste	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7
Off-Road	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248
Stationary	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73
Total	1.03	2.59	2.17	0.02	0.06	0.39	0.45	0.06	0.10	0.16	26.1	1,805	1,831	2.75	0.24	1,972

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.11	8.40	3.50	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,708	7,708	0.53	1.23	8,103
Area	5.17	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,207	1,207	0.07	0.01	1,212
Water	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	6.43	14.9	15.2	0.09	0.42	2.13	2.55	0.40	0.57	0.97	150	11,033	11,183	15.9	1.42	12,018
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.10	8.72	3.52	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,709	7,709	0.53	1.23	8,090
Area	3.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,207	1,207	0.07	0.01	1,212
Water	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	5.24	15.2	8.05	0.09	0.41	2.13	2.54	0.39	0.57	0.96	150	11,004	11,155	15.9	1.42	11,975
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.10	8.84	3.51	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,708	7,708	0.53	1.23	8,095

Area	4.80	0.04	4.94	< 0.005	0.01	—	0.01	0.01	—	0.01	—	20.3	20.3	< 0.005	< 0.005	20.4
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,207	1,207	0.07	0.01	1,212
Water	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Waste	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Off-Road	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Stationary	0.07	0.19	0.17	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	34.5	34.5	< 0.005	< 0.005	34.6
Total	5.63	14.2	11.9	0.08	0.35	2.13	2.48	0.33	0.57	0.90	150	10,807	10,957	15.9	1.42	11,783
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.02	1.61	0.64	0.01	0.02	0.39	0.41	0.02	0.10	0.13	—	1,276	1,276	0.09	0.20	1,340
Area	0.88	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	200	200	0.01	< 0.005	201
Water	—	—	—	—	—	—	—	—	—	—	11.0	57.3	68.2	1.13	0.03	105
Waste	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7
Off-Road	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248
Stationary	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73
Total	1.03	2.59	2.17	0.02	0.06	0.39	0.45	0.06	0.10	0.16	24.9	1,789	1,814	2.63	0.23	1,951

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	0.11	8.40	3.50	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,708	7,708	0.53	1.23	8,103
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.11	8.40	3.50	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,708	7,708	0.53	1.23	8,103
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	8.72	3.52	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,709	7,709	0.53	1.23	8,090
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.10	8.72	3.52	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,709	7,709	0.53	1.23	8,090
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.02	1.61	0.64	0.01	0.02	0.39	0.41	0.02	0.10	0.13	—	1,276	1,276	0.09	0.20	1,340
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.02	1.61	0.64	0.01	0.02	0.39	0.41	0.02	0.10	0.13	—	1,276	1,276	0.09	0.20	1,340

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.11	8.40	3.50	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,708	7,708	0.53	1.23	8,103
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.11	8.40	3.50	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,708	7,708	0.53	1.23	8,103
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	8.72	3.52	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,709	7,709	0.53	1.23	8,090
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.10	8.72	3.52	0.07	0.12	2.13	2.25	0.11	0.57	0.69	—	7,709	7,709	0.53	1.23	8,090
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	0.02	1.61	0.64	0.01	0.02	0.39	0.41	0.02	0.10	0.13	—	1,276	1,276	0.09	0.20	1,340
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.02	1.61	0.64	0.01	0.02	0.39	0.41	0.02	0.10	0.13	—	1,276	1,276	0.09	0.20	1,340

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,131	1,131	0.07	0.01	1,135
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	131	131	0.01	< 0.005	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,262	1,262	0.08	0.01	1,267
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	1,131	1,131	0.07	0.01	1,135
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	131	131	0.01	< 0.005	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,262	1,262	0.08	0.01	1,267
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	187	187	0.01	< 0.005	188
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7	< 0.005	< 0.005	21.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	209	209	0.01	< 0.005	210

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,076	1,076	0.07	0.01	1,080
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	131	131	0.01	< 0.005	132

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,207	1,207	0.07	0.01	1,212
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,076	1,076	0.07	0.01	1,080
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	131	131	0.01	< 0.005	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,207	1,207	0.07	0.01	1,212
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	178	178	0.01	< 0.005	179
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7	< 0.005	< 0.005	21.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	200	200	0.01	< 0.005	201

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.18	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8
Total	5.17	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.15	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37
Total	0.88	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.18	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8

Total	5.17	0.06	7.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.7	29.7	< 0.005	< 0.005	29.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.15	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37
Total	0.88	0.01	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.36	3.36	< 0.005	< 0.005	3.37

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	73.5	387	461	7.56	0.18	704
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	12.2	64.1	76.3	1.25	0.03	117
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	12.2	64.1	76.3	1.25	0.03	117

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	66.2	346	412	6.81	0.16	631
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	11.0	57.3	68.2	1.13	0.03	105
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	11.0	57.3	68.2	1.13	0.03	105

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	84.0	0.00	84.0	8.40	0.00	294
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	48.7

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Material Handling Equipment	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Total	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Material Handling Equipment	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Total	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Material Handling Equipment	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248
Total	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Other Material Handling Equipment	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Total	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Material Handling Equipment	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Total	0.66	5.10	3.28	0.01	0.22	—	0.22	0.20	—	0.20	—	1,490	1,490	0.06	0.01	1,495
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Material Handling Equipment	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248
Total	0.12	0.93	0.60	< 0.005	0.04	—	0.04	0.04	—	0.04	—	247	247	0.01	< 0.005	248

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73
Total	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Total	0.49	1.38	1.26	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	252	252	0.01	< 0.005	253
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73
Total	0.01	0.03	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	5.71	5.71	< 0.005	< 0.005	5.73

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequeste	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	58.0	58.0	58.0	21,181	2,321	2,321	2,321	847,253
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	58.0	58.0	58.0	21,181	2,321	2,321	2,321	847,253
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	248,705	82,902	6,755

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

Unrefrigerated Warehouse-No Rail	776,018	532	0.0330	0.0040	0.00
Parking Lot	89,978	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	738,252	532	0.0330	0.0040	0.00
Parking Lot	89,978	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	38,341,944	862,629
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	34,565,262	369,408
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	156	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	156	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Other Material Handling Equipment	Diesel	Average	2.00	8.00	200	0.40

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Other Material Handling Equipment	Diesel	Average	2.00	8.00	200	0.40

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	1.00	1.00	50.0	300	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Project is proposing a 165,803-sf industrial building, including 66,559-sf of landscape area, 262 parking spaces, and 9,875-sf of paved area on an 8.83-acre project site
Construction: Construction Phases	Construction schedule based on Appliant's construction data provided in the data spreadsheet.
Construction: Off-Road Equipment	Construction equipment is based on the Appliant's construction data provided in the data spreadsheet.
Construction: Trips and VMT	number of worker trips, vendor trips, and hauling trips was based on the Appliant's construction data provided in the data spreadsheet.
Construction: Architectural Coatings	project would comply with SCAQMD Rule 1113 for architectural coating

Operations: Vehicle Data	Based on a total trip generation of 58 ADT for heavy heavy duty trucks trip generation = 58ADT /165.803 tsf = 3.11
Operations: Fleet Mix	HHDT trips only
Operations: Energy Use	project would be designed to be all electric
Operations: Off-Road Equipment	project would include two 200-hp diesel powered cargo handling equipment pieces

APPENDIX B

DETAILED ENERGY CALCULATIONS

Construction Truck and Construction Worker Vehicle Fuel Efficiency				
		EMFAC 2021 Outputs		
Vehicle Type	Vehicle Class	Fuel Consumption (1,000 gallons/day)	VMT (miles/ day)	Fuel Efficency (miles/gallon)
Construction Truck	MHDT	129.2	1,163,540.00	9.0
	HHDT	202.2	1,251,031.00	6.2
	HHDT/MHDT	-	-	7.6
Construction Worker Vehicle	LDA	1,326.2	41,577,927.11	31.4
	LDT1	130.0	3,392,265.43	26.1
	LDT2	849.8	21,784,157.47	25.6
	Worker Mix	-	-	28.6

Notes:

[1] For construction trucks assumes 50 percent HHDT and 50 percent MHDT vehicles, consistent with assumptions in CalEEMod for hauling trucks. For construction worker vehicles assumes 50 percent LDA, 25 percent LDT1, and 25 percent LDT2 vehicles, consistent with assumptions in CalEEMod for worker vehicles.

[2] EMFAC2021 was run for Orange County for the construction year 2026. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Vehicle Fuel Use - Diesel Vehicles						
Phase	Trip Type	Total Trips	Trip Length (miles)	Total VMT	Diesel Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Demolition	Hauling	680	20	13,600.00	6.1	2,229.51
Grading	Hauling	176	20	3,520.00	6.1	577.05
Building Construction	Hauling	392	20	7,840.00	6.1	1,285.25
Paving	Hauling	128	20	2,560.00	6.1	419.67
Architectural Coating	Hauling	136	20	2,720.00	6.1	445.90
Demolition	Vendor	136	10.2	1,387.20	7.5	184.96
Site Preparation	Vendor	80	10.2	816.00	7.5	108.80
Grading	Vendor	352	10.2	3,590.40	7.5	478.72
Building Construction	Vendor	784	10.2	7,996.80	7.5	1,066.24
Paving	Vendor	64	10.2	652.80	7.5	87.04
Architectural Coating	Vendor	136	10.2	1,387.20	7.5	184.96
					Total	**7,068.10**

Diesel

[1] Assumes 100 percent HHDT vehicles for haul trucks and 50 percent HHDT/50 percent MHDT vehicles for MHDT, consistent with assumptions in CalEEMod.

[2] EMFAC2021 was run for Oramge County for the construction year 2025. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Worker Vehicle Fuel Use - Gasoline Vehicles							
Phase	Total One-Way Trips/Day	Total Days	Total Trips	Trip Length (miles)	Total VMT	Gasoline Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Demolition	20	34	1,360	18.5	25,160	28	898.57
Site Preparation	12	20	480	18.5	8,880	28	317.14
Grading	16	88	2,816	18.5	52,096	28	1,860.57
Building Construction	40	196	15,680	18.5	290,080	28	10,360.00
Paving	20	32	1,280	18.5	23,680	28	845.71
Architectural Coating	10	34	680	18.5	12,580	28	449.29
						Total	**14,731.29**

Gas

Total Construction Gasoline Usage	**14,731.29**
Total Construction Diesel Usage	**129,024.48**

Construction Off-Road Equipment										
Phase	**Off-Road Equipment Type**	**Amount**	**Usage Hour/Day**	**Total Usage Days**	**Total Usage Hours/Equipment**	**Horsepower**	**Load Factor**	**Total Usage Hours/ Equipment**	**Horsepower-Hour**	**Fuel Usage (gallons)**
Demolition	Concrete/Industrial Saws	1	8	34	272	33	0.73	272	6,552.48	335.49
	Excavators	3	8	34	816	36	0.38	816	11,162.88	571.54
	Other Construction Equipment	3	8	34	816	367	0.4	816	119,788.80	6,133.19
Site Preparation	Rubber Tired Dozers	1	8	20	160	325	0.4	160	20,800.00	1,064.96
	Tractors/Loaders/Backhoes	4	8	20	640	84	0.37	640	19,891.20	1,018.43
Grading	Excavators	4	8	88	2,816	175	0.38	2816	187,264.00	9,587.92
	Graders	1	8	88	704	185	0.41	704	53,398.40	2,734.00
	Rubber Tired Dozers	2	8	88	1,408	367	0.4	1408	206,694.40	10,582.75
	Tractors/Loaders/Backhoes	3	8	88	2,112	125	0.37	2112	97,680.00	5,001.22
	Scrapers	3	8	88	2,112	500	0.48	2112	506,880.00	25,952.26
Building Construction	Cranes	1	7	196	1,372	367	0.29	1372	146,021.96	7,476.32
	Forklifts	3	8	196	4,704	367	0.2	4704	345,273.60	17,678.01
	Generator Sets	1	8	196	1,568	82	0.74	1568	95,146.24	4,871.49
	Tractors/Loaders/Backhoes	3	7	196	4,116	84	0.37	4116	127,925.28	6,549.77
	Welders	1	8	196	1,568	14	0.45	1568	9,878.40	505.77
	Other Construction Equipment	5	10	196	9,800	88	0.42	9800	362,208.00	18,545.05
Paving	Pavers	1	8	32	256	81	0.42	256	8,709.12	445.91
	Paving Equipment	2	6	32	384	86	0.36	384	11,888.64	608.70
	Rollers	2	6	32	384	36	0.38	384	5,253.12	268.96
	Tractors/Loaders/Backhoes	1	8	32	256	84	0.37	256	7,956.48	407.37
	Cement and Mortar Mixers	2	6	32	384	10	0.56	384	2,150.40	110.10
Architectural Coating	Air Compressors	2	6	34	408	37	0.48	408	7,246.08	371.00
	Tractors/Loaders/Backhoes	3	7	34	714	84	0.37	714	22,191.12	1,136.19
									Total	**121,956.38**

Diesel

Proposed Project Operational Trips			
Vehicle Class	CalEEMod	Total Project Trips	Total Trips per Vehicle Class
LDA	0.4829	515	248.7
LDT1	0.04069	515	21.0
LDT2	0.2338	515	120.4
MDV	0.1449	515	74.6
LHD1	0.0276	515	14.2
LHD2	0.007159	515	3.7
MHD	0.0408	515	21.0
HHD	0	515	0.0
OBUS	0	515	0.0
UBUS	0	515	0.0
MCY	0.02202	515	11.3
SBUS	0	515	0.0
MH	0	515	0.0

Proposed Project Operational Trips – Fuel Efficiency					
Fuel	Vehicle Class	EMFAC2021 Outputs1			
		Fleet Mix (%)2	Fuel Consumption (1,000 gallons/day)	VMT (miles/day)	Fuel Efficiency3 (miles/gallon)
Gas	LDA	70%	1,296.15	41,402,174.22	31.9
	LDT1	6%	126.44	3,351,768.88	26.5
	LDT2	0%	842.38	842.38	0.0
	MDV	21%	600.87	12,751,503.06	21.2
	LHD1	3%	110.67	1,647,637.19	14.9
	MCY	1%	7.86	334,153.75	42.5
	MH	0%	11.17	54,533.35	4.9
	Fleet Mix	–	–	–	28.9
Diesel	LHD2	10%	24.31	433,595.00	17.8
	MHDT	61%	128.69	2,689,223.00	20.9
	HHDT	29%	201.77	1,264,203.00	6.3
	Fleet Mix	–	–	–	16.4

Notes:

[1] EMFAC2021 was run for Orange County for the operational year 2027. Data was aggregated over all vehicle model years and speed bins.

[2] Fleet mix is based on assumptions made in CalEEMod for the proposed project.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Proposed Project Operational Trips – Fuel Usage						
Land Use	Total Annual VMT2 (miles/year)	Fuel Type	Portion of Fleet3 (%)	VMT by Fuel Type (miles/year)	Fleet Mix Efficiency4 (miles/gallon)	Fuel Usage (gallons/ year)
Proposed Project	2,609,612.00	Gas	95%	2,484,115.76	28.9	85,947.63
		Diesel	5%	125,154.38	16.4	7,641.75
Proposed Project HHDT	847,253.00	Diesel	100%	847,253.00	6.3	134,484.60
					Total Gasoline/year	**85,947.63**
					Total Diesel/year	**142,126.35**

Notes:

[1] Calculated for operational year 2027 only. Future years will likely use less fuel due to more efficient cars.

[2] Total VMT is based on project's trip generation and trip lengths.

[3] Fleet distribution is based on EMFAC2021 output and CalEEMod assumptions.

[4] Fuel efficiency is based on fuel consumption and VMT data from EMFAC2021 for Riverside County and total VMT.

Electricity Usage	
Electricity by Land Use	**kWh/year**
Unrefrigerated Warehouse	776,018
Parking Lot	89,978
Total	**865,996**

Natural Gas Usage			
Natural Gas by Land Use	**kBTU/year**	**BTU/year**	**therms/year**
unrefrigerated warehouse	-	-	-
Parking Lot	0	0	0
Total	**-**	**-**	**-**

APPENDIX C

CUMULATIVE PROJECTS CALEEMOD OUTPUT SHEETS

26110 Enterprise, 26140 Enterprise, and 26160 Enterprise Way (Project 1) Custom Report

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1.1. Basic Project Information

Data Field	Value
Project Name	26110 Enterprise, 26140 Enterprise, and 26160 Enterprise Way (Project 1)
Construction Start Date	1/6/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	4.20
Location	33.66744967832146, -117.67418405174422
County	Orange
City	Lake Forest
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	6046
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Manufacturing	79.0	1000sqft	1.81	79,000	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	59.8	1000sqft	1.37	59,800	0.00	—	—	—
General Office Building	18.0	1000sqft	0.41	18,000	0.00	—	—	—
Other Asphalt Surfaces	4.83	Acre	4.83	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	38.0	11.5	17.0	0.03	0.44	1.06	1.49	0.40	0.26	0.66	—	4,067	4,067	0.15	0.16	4,125
Mit.	7.73	11.5	17.0	0.03	0.44	1.06	1.49	0.40	0.26	0.66	—	4,067	4,067	0.15	0.16	4,125
% Reduced	80%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	38.0	31.7	31.0	0.07	1.37	7.89	9.26	1.26	3.99	5.25	—	9,632	9,632	0.63	1.01	9,948
Mit.	7.73	31.7	31.0	0.07	1.37	7.89	9.26	1.26	3.99	5.25	—	9,632	9,632	0.63	1.01	9,948
% Reduced	80%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.25	9.91	12.6	0.02	0.38	1.33	1.71	0.35	0.40	0.74	—	3,119	3,119	0.13	0.15	3,169
Mit.	1.10	9.91	12.6	0.02	0.38	1.33	1.71	0.35	0.40	0.74	—	3,119	3,119	0.13	0.15	3,169
% Reduced	51%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.41	1.81	2.29	< 0.005	0.07	0.24	0.31	0.06	0.07	0.14	—	516	516	0.02	0.02	525
Mit.	0.20	1.81	2.29	< 0.005	0.07	0.24	0.31	0.06	0.07	0.14	—	516	516	0.02	0.02	525
% Reduced	51%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.38	11.5	17.0	0.03	0.44	1.06	1.49	0.40	0.26	0.66	—	4,067	4,067	0.15	0.16	4,125
2026	38.0	0.90	1.81	< 0.005	0.02	0.17	0.19	0.02	0.04	0.06	—	300	300	0.01	0.01	303
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.37	31.7	31.0	0.07	1.37	7.89	9.26	1.26	3.99	5.25	—	9,632	9,632	0.63	1.01	9,948
2026	38.0	10.9	16.3	0.03	0.38	1.06	1.44	0.35	0.26	0.61	—	3,998	3,998	0.15	0.16	4,050
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.10	9.91	12.6	0.02	0.38	1.33	1.71	0.35	0.40	0.74	—	3,119	3,119	0.13	0.15	3,169
2026	2.25	1.21	1.83	< 0.005	0.05	0.09	0.14	0.04	0.02	0.06	—	392	392	0.01	0.01	396
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	0.20	1.81	2.29	< 0.005	0.07	0.24	0.31	0.06	0.07	0.14	—	516	516	0.02	0.02	525
2026	0.41	0.22	0.33	< 0.005	0.01	0.02	0.03	0.01	< 0.005	0.01	—	64.8	64.8	< 0.005	< 0.005	65.6

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.38	11.5	17.0	0.03	0.44	1.06	1.49	0.40	0.26	0.66	—	4,067	4,067	0.15	0.16	4,125
2026	7.73	0.90	1.81	< 0.005	0.02	0.17	0.19	0.02	0.04	0.06	—	300	300	0.01	0.01	303
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.37	31.7	31.0	0.07	1.37	7.89	9.26	1.26	3.99	5.25	—	9,632	9,632	0.63	1.01	9,948
2026	7.73	10.9	16.3	0.03	0.38	1.06	1.44	0.35	0.26	0.61	—	3,998	3,998	0.15	0.16	4,050
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.10	9.91	12.6	0.02	0.38	1.33	1.71	0.35	0.40	0.74	—	3,119	3,119	0.13	0.15	3,169
2026	0.59	1.21	1.83	< 0.005	0.05	0.09	0.14	0.04	0.02	0.06	—	392	392	0.01	0.01	396
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.20	1.81	2.29	< 0.005	0.07	0.24	0.31	0.06	0.07	0.14	—	516	516	0.02	0.02	525
2026	0.11	0.22	0.33	< 0.005	0.01	0.02	0.03	0.01	< 0.005	0.01	—	64.8	64.8	< 0.005	< 0.005	65.6

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	7.51	3.87	37.3	0.09	0.16	7.72	7.88	0.16	1.96	2.11	160	12,201	12,361	16.7	0.47	12,970
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.36	4.03	27.9	0.09	0.15	7.72	7.87	0.15	1.96	2.10	160	11,853	12,013	16.7	0.49	12,598
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.44	3.42	26.4	0.07	0.15	5.76	5.90	0.14	1.46	1.60	160	9,941	10,101	16.7	0.41	10,670
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.17	0.62	4.82	0.01	0.03	1.05	1.08	0.03	0.27	0.29	26.4	1,646	1,672	2.76	0.07	1,767

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.73	2.48	29.3	0.08	0.05	7.72	7.76	0.04	1.96	2.00	—	8,244	8,244	0.31	0.29	8,366
Area	4.70	0.06	6.82	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.0	28.0	< 0.005	< 0.005	28.1
Energy	0.07	1.34	1.13	0.01	0.10	—	0.10	0.10	—	0.10	—	3,579	3,579	0.26	0.02	3,591
Water	—	—	—	—	—	—	—	—	—	—	67.6	350	418	6.96	0.17	642
Waste	—	—	—	—	—	—	—	—	—	—	92.1	0.00	92.1	9.21	0.00	322
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
Total	7.51	3.87	37.3	0.09	0.16	7.72	7.88	0.16	1.96	2.11	160	12,201	12,361	16.7	0.47	12,970
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.71	2.69	26.7	0.08	0.05	7.72	7.76	0.04	1.96	2.00	—	7,923	7,923	0.32	0.30	8,022
Area	3.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Energy	0.07	1.34	1.13	0.01	0.10	—	0.10	0.10	—	0.10	—	3,579	3,579	0.26	0.02	3,591
Water	—	—	—	—	—	—	—	—	—	—	67.6	350	418	6.96	0.17	642
Waste	—	—	—	—	—	—	—	—	—	—	92.1	0.00	92.1	9.21	0.00	322
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
Total	6.36	4.03	27.9	0.09	0.15	7.72	7.87	0.15	1.96	2.10	160	11,853	12,013	16.7	0.49	12,598
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.02	2.04	20.6	0.06	0.04	5.76	5.79	0.03	1.46	1.49	—	5,992	5,992	0.24	0.23	6,075
Area	4.35	0.04	4.67	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.2	19.2	< 0.005	< 0.005	19.3
Energy	0.07	1.34	1.13	0.01	0.10	—	0.10	0.10	—	0.10	—	3,579	3,579	0.26	0.02	3,591
Water	—	—	—	—	—	—	—	—	—	—	67.6	350	418	6.96	0.17	642
Waste	—	—	—	—	—	—	—	—	—	—	92.1	0.00	92.1	9.21	0.00	322
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
Total	6.44	3.42	26.4	0.07	0.15	5.76	5.90	0.14	1.46	1.60	160	9,941	10,101	16.7	0.41	10,670
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.37	0.37	3.76	0.01	0.01	1.05	1.06	0.01	0.27	0.27	—	992	992	0.04	0.04	1,006
Area	0.79	0.01	0.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.18	3.18	< 0.005	< 0.005	3.19
Energy	0.01	0.24	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	593	593	0.04	< 0.005	595
Water	—	—	—	—	—	—	—	—	—	—	11.2	58.0	69.2	1.15	0.03	106
Waste	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.52	0.00	53.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.41
Total	1.17	0.62	4.82	0.01	0.03	1.05	1.08	0.03	0.27	0.29	26.4	1,646	1,672	2.76	0.07	1,767

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	2.73	2.48	29.3	0.08	0.05	7.72	7.76	0.04	1.96	2.00	—	8,244	8,244	0.31	0.29	8,366
Area	4.70	0.06	6.82	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.0	28.0	< 0.005	< 0.005	28.1
Energy	0.07	1.34	1.13	0.01	0.10	—	0.10	0.10	—	0.10	—	3,579	3,579	0.26	0.02	3,591
Water	—	—	—	—	—	—	—	—	—	—	67.6	350	418	6.96	0.17	642
Waste	—	—	—	—	—	—	—	—	—	—	92.1	0.00	92.1	9.21	0.00	322
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
Total	7.51	3.87	37.3	0.09	0.16	7.72	7.88	0.16	1.96	2.11	160	12,201	12,361	16.7	0.47	12,970
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.71	2.69	26.7	0.08	0.05	7.72	7.76	0.04	1.96	2.00	—	7,923	7,923	0.32	0.30	8,022
Area	3.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.07	1.34	1.13	0.01	0.10	—	0.10	0.10	—	0.10	—	3,579	3,579	0.26	0.02	3,591
Water	—	—	—	—	—	—	—	—	—	—	67.6	350	418	6.96	0.17	642
Waste	—	—	—	—	—	—	—	—	—	—	92.1	0.00	92.1	9.21	0.00	322
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
Total	6.36	4.03	27.9	0.09	0.15	7.72	7.87	0.15	1.96	2.10	160	11,853	12,013	16.7	0.49	12,598
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.02	2.04	20.6	0.06	0.04	5.76	5.79	0.03	1.46	1.49	—	5,992	5,992	0.24	0.23	6,075
Area	4.35	0.04	4.67	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.2	19.2	< 0.005	< 0.005	19.3
Energy	0.07	1.34	1.13	0.01	0.10	—	0.10	0.10	—	0.10	—	3,579	3,579	0.26	0.02	3,591
Water	—	—	—	—	—	—	—	—	—	—	67.6	350	418	6.96	0.17	642
Waste	—	—	—	—	—	—	—	—	—	—	92.1	0.00	92.1	9.21	0.00	322
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
Total	6.44	3.42	26.4	0.07	0.15	5.76	5.90	0.14	1.46	1.60	160	9,941	10,101	16.7	0.41	10,670
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.37	0.37	3.76	0.01	0.01	1.05	1.06	0.01	0.27	0.27	—	992	992	0.04	0.04	1,006
Area	0.79	0.01	0.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.18	3.18	< 0.005	< 0.005	3.19

Energy	0.01	0.24	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	593	593	0.04	< 0.005	595
Water	—	—	—	—	—	—	—	—	—	—	11.2	58.0	69.2	1.15	0.03	106
Waste	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.52	0.00	53.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.41
Total	1.17	0.62	4.82	0.01	0.03	1.05	1.08	0.03	0.27	0.29	26.4	1,646	1,672	2.76	0.07	1,767

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	3,437
Demolition	—	—	—	—	—	4.77	4.77	—	0.72	0.72	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.22	1.09	< 0.005	0.05	—	0.05	0.05	—	0.05	—	188	188	0.01	< 0.005	188
Demolition	—	—	—	—	—	0.26	0.26	—	0.04	0.04	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	31.2
Demolition	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	7.58	3.26	0.04	0.08	1.56	1.64	0.08	0.44	0.51	—	6,017	6,017	0.49	0.97	6,320
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	10.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.42	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	330	330	0.03	0.05	347
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	1.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54.6	54.6	< 0.005	0.01	57.4

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	3,437
Demolition	—	—	—	—	—	4.77	4.77	—	0.72	0.72	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.22	1.09	< 0.005	0.05	—	0.05	0.05	—	0.05	—	188	188	0.01	< 0.005	188
Demolition	—	—	—	—	—	0.26	0.26	—	0.04	0.04	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	31.2
Demolition	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	192

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	7.58	3.26	0.04	0.08	1.56	1.64	0.08	0.44	0.51	—	6,017	6,017	0.49	0.97	6,320
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	10.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.42	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	330	330	0.03	0.05	347
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	1.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54.6	54.6	< 0.005	0.01	57.4

3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.09	0.87	0.83	< 0.005	0.04	—	0.04	0.03	—	0.03	—	145	145	0.01	< 0.005	146
Dust From Material Movement	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.16	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	24.1
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.85	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	221	221	< 0.005	0.01	224
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.14	6.14	< 0.005	< 0.005	6.22
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.02	1.02	< 0.005	< 0.005	1.03

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.87	0.83	< 0.005	0.04	—	0.04	0.03	—	0.03	—	145	145	0.01	< 0.005	146
Dust From Material Movement	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.16	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	24.1

Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.85	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	221	221	< 0.005	0.01	224
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.14	6.14	< 0.005	< 0.005	6.22
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.02	1.02	< 0.005	< 0.005	1.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	2,970
Dust From Material Movement	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.89	0.98	< 0.005	0.04	—	0.04	0.04	—	0.04	—	162	162	0.01	< 0.005	163
Dust From Material Movement	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.16	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.8	26.8	< 0.005	< 0.005	26.9
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	10.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	1.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	2,970
Dust From Material Movement	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.89	0.98	< 0.005	0.04	—	0.04	0.04	—	0.04	—	162	162	0.01	< 0.005	163
Dust From Material Movement	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.16	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.8	26.8	< 0.005	< 0.005	26.9
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	10.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	1.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.87	7.32	0.01	0.24	—	0.24	0.22	—	0.22	—	1,347	1,347	0.05	0.01	1,351
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.12	1.07	1.34	< 0.005	0.04	—	0.04	0.04	—	0.04	—	223	223	0.01	< 0.005	224
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.22	3.59	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	850	850	0.01	0.03	863
Vendor	0.02	0.85	0.42	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	819	819	0.05	0.11	857
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.25	3.10	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	809	809	0.01	0.03	819
Vendor	0.02	0.88	0.43	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	820	820	0.05	0.11	855
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.14	1.82	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	461	461	0.01	0.02	467
Vendor	0.01	0.50	0.24	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	460	460	0.03	0.06	481
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	76.3	76.3	< 0.005	< 0.005	77.3
Vendor	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	76.2	76.2	< 0.005	0.01	79.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.87	7.32	0.01	0.24	—	0.24	0.22	—	0.22	—	1,347	1,347	0.05	0.01	1,351
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.07	1.34	< 0.005	0.04	—	0.04	0.04	—	0.04	—	223	223	0.01	< 0.005	224
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.22	3.59	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	850	850	0.01	0.03	863
Vendor	0.02	0.85	0.42	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	819	819	0.05	0.11	857
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.23	0.25	3.10	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	809	809	0.01	0.03	819
Vendor	0.02	0.88	0.43	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	820	820	0.05	0.11	855
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.14	1.82	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	461	461	0.01	0.02	467
Vendor	0.01	0.50	0.24	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	460	460	0.03	0.06	481
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	76.3	76.3	< 0.005	< 0.005	77.3
Vendor	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	76.2	76.2	< 0.005	0.01	79.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.69	0.91	< 0.005	0.03	—	0.03	0.02	—	0.02	—	169	169	0.01	< 0.005	169

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.0	28.0	< 0.005	< 0.005	28.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	2.91	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	794	794	0.01	0.03	803
Vendor	0.02	0.85	0.42	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	806	806	0.04	0.11	841
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.21	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	56.7	56.7	< 0.005	< 0.005	57.4
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	56.8	56.8	< 0.005	0.01	59.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.39	9.39	< 0.005	< 0.005	9.51
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.40	9.40	< 0.005	< 0.005	9.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.69	0.91	< 0.005	0.03	—	0.03	0.02	—	0.02	—	169	169	0.01	< 0.005	169
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.0	28.0	< 0.005	< 0.005	28.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	2.91	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	794	794	0.01	0.03	803
Vendor	0.02	0.85	0.42	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	806	806	0.04	0.11	841
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.21	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	56.7	56.7	< 0.005	< 0.005	57.4

Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	56.8	56.8	< 0.005	0.01	59.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.39	9.39	< 0.005	< 0.005	9.51
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.40	9.40	< 0.005	< 0.005	9.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	1,516
Paving	0.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	83.1
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	13.8

Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	10.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.71	1.71	< 0.005	< 0.005	1.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	1,516
Paving	0.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	83.1
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	13.8
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	10.5

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.71	1.71	< 0.005	< 0.005	1.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	134
Architectural Coatings	37.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	134
Architectural Coatings	37.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	7.34
Architectural Coatings	2.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	1.22
Architectural Coatings	0.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.68	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	167	167	< 0.005	0.01	169
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.58	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	159	159	< 0.005	0.01	161
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.82	8.82	< 0.005	< 0.005	8.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.46	1.46	< 0.005	< 0.005	1.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	134
Architectural Coatings	7.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	134
Architectural Coatings	7.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	7.34

Architect Coatings	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	1.22
Architectural Coatings	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.68	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	167	167	< 0.005	0.01	169
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.58	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	159	159	< 0.005	0.01	161
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.82	8.82	< 0.005	< 0.005	8.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.46	1.46	< 0.005	< 0.005	1.48

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	1.76	1.60	18.9	0.05	0.03	4.98	5.01	0.03	1.26	1.29	—	5,316	5,316	0.20	0.19	5,395
Unrefrigerated Warehouse-No Rail	0.36	0.33	3.88	0.01	0.01	1.02	1.03	0.01	0.26	0.26	—	1,091	1,091	0.04	0.04	1,107
General Office Building	0.61	0.55	6.54	0.02	0.01	1.72	1.73	0.01	0.44	0.45	—	1,838	1,838	0.07	0.06	1,865
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	2.73	2.48	29.3	0.08	0.05	7.72	7.76	0.04	1.96	2.00	—	8,244	8,244	0.31	0.29	8,366
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	1.75	1.74	17.2	0.05	0.03	4.98	5.01	0.03	1.26	1.29	—	5,109	5,109	0.21	0.19	5,173

Unrefrigerated Warehou Rail	0.36	0.36	3.54	0.01	0.01	1.02	1.03	0.01	0.26	0.26	—	1,048	1,048	0.04	0.04	1,061
General Office Building	0.60	0.60	5.96	0.02	0.01	1.72	1.73	0.01	0.44	0.45	—	1,766	1,766	0.07	0.07	1,788
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	2.71	2.69	26.7	0.08	0.05	7.72	7.76	0.04	1.96	2.00	—	7,923	7,923	0.32	0.30	8,022
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.22	0.22	2.25	0.01	< 0.005	0.63	0.63	< 0.005	0.16	0.16	—	593	593	0.02	0.02	601
Unrefrigerated Warehouse-No Rail	0.07	0.07	0.66	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	175	175	0.01	0.01	178
General Office Building	0.08	0.08	0.85	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	224	224	0.01	0.01	227
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.37	0.37	3.76	0.01	0.01	1.05	1.06	0.01	0.27	0.27	—	992	992	0.04	0.04	1,006

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	1.76	1.60	18.9	0.05	0.03	4.98	5.01	0.03	1.26	1.29	—	5,316	5,316	0.20	0.19	5,395

Unrefrige Warehouse-No Rail	0.36	0.33	3.88	0.01	0.01	1.02	1.03	0.01	0.26	0.26	—	1,091	1,091	0.04	0.04	1,107
General Office Building	0.61	0.55	6.54	0.02	0.01	1.72	1.73	0.01	0.44	0.45	—	1,838	1,838	0.07	0.06	1,865
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	2.73	2.48	29.3	0.08	0.05	7.72	7.76	0.04	1.96	2.00	—	8,244	8,244	0.31	0.29	8,366
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	1.75	1.74	17.2	0.05	0.03	4.98	5.01	0.03	1.26	1.29	—	5,109	5,109	0.21	0.19	5,173
Unrefrigerated Warehouse-No Rail	0.36	0.36	3.54	0.01	0.01	1.02	1.03	0.01	0.26	0.26	—	1,048	1,048	0.04	0.04	1,061
General Office Building	0.60	0.60	5.96	0.02	0.01	1.72	1.73	0.01	0.44	0.45	—	1,766	1,766	0.07	0.07	1,788
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	2.71	2.69	26.7	0.08	0.05	7.72	7.76	0.04	1.96	2.00	—	7,923	7,923	0.32	0.30	8,022
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.22	0.22	2.25	0.01	< 0.005	0.63	0.63	< 0.005	0.16	0.16	—	593	593	0.02	0.02	601
Unrefrigerated Warehouse-No Rail	0.07	0.07	0.66	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	175	175	0.01	0.01	178

General Office Building	0.08	0.08	0.85	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	224	224	0.01	0.01	227
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.37	0.37	3.76	0.01	0.01	1.05	1.06	0.01	0.27	0.27	—	992	992	0.04	0.04	1,006

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	1,105	1,105	0.07	0.01	1,109
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	408	408	0.03	< 0.005	409
General Office Building	—	—	—	—	—	—	—	—	—	—	—	468	468	0.03	< 0.005	469
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	1,980	0.12	0.01	1,987
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	1,105	1,105	0.07	0.01	1,109

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	408	408	0.03	< 0.005	409
General Office Building	—	—	—	—	—	—	—	—	—	—	—	468	468	0.03	< 0.005	469
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	1,980	0.12	0.01	1,987
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	183	183	0.01	< 0.005	184
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	67.5	67.5	< 0.005	< 0.005	67.8
General Office Building	—	—	—	—	—	—	—	—	—	—	—	77.4	77.4	< 0.005	< 0.005	77.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	328	328	0.02	< 0.005	329

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	1,105	1,105	0.07	0.01	1,109

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	408	408	0.03	< 0.005	409
General Office Building	—	—	—	—	—	—	—	—	—	—	—	468	468	0.03	< 0.005	469
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	1,980	0.12	0.01	1,987
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	1,105	1,105	0.07	0.01	1,109
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	408	408	0.03	< 0.005	409
General Office Building	—	—	—	—	—	—	—	—	—	—	—	468	468	0.03	< 0.005	469
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	1,980	0.12	0.01	1,987
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	183	183	0.01	< 0.005	184
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	67.5	67.5	< 0.005	< 0.005	67.8
General Office Building	—	—	—	—	—	—	—	—	—	—	—	77.4	77.4	< 0.005	< 0.005	77.7

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	328	328	0.02	< 0.005	329

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.05	0.91	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,084	1,084	0.10	< 0.005	1,087
Unrefrigerated Warehouse-No Rail	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	369	369	0.03	< 0.005	370
General Office Building	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	146	146	0.01	< 0.005	147
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.07	1.34	1.13	0.01	0.10	—	0.10	0.10	—	0.10	—	1,599	1,599	0.14	< 0.005	1,604
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.05	0.91	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,084	1,084	0.10	< 0.005	1,087
Unrefrigerated Warehouse-No Rail	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	369	369	0.03	< 0.005	370

General Office Building	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	146	146	0.01	< 0.005	147
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.07	1.34	1.13	0.01	0.10	—	0.10	0.10	—	0.10	—	1,599	1,599	0.14	< 0.005	1,604
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.02	< 0.005	180
Unrefrigerated Warehouse-No Rail	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	61.2	61.2	0.01	< 0.005	61.3
General Office Building	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.2	24.2	< 0.005	< 0.005	24.3
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.24	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	265	265	0.02	< 0.005	266

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.05	0.91	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,084	1,084	0.10	< 0.005	1,087
Unrefrigerated Warehouse-No Rail	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	369	369	0.03	< 0.005	370

General Office Building	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	146	146	0.01	< 0.005	147
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.07	1.34	1.13	0.01	0.10	—	0.10	0.10	—	0.10	—	1,599	1,599	0.14	< 0.005	1,604
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.05	0.91	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,084	1,084	0.10	< 0.005	1,087
Unrefrigerated Warehouse-No Rail	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	369	369	0.03	< 0.005	370
General Office Building	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	146	146	0.01	< 0.005	147
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.07	1.34	1.13	0.01	0.10	—	0.10	0.10	—	0.10	—	1,599	1,599	0.14	< 0.005	1,604
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.02	< 0.005	180
Unrefrigerated Warehouse-No Rail	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	61.2	61.2	0.01	< 0.005	61.3
General Office Building	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.2	24.2	< 0.005	< 0.005	24.3

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.24	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	265	265	0.02	< 0.005	266

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.12	0.06	6.82	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.0	28.0	< 0.005	< 0.005	28.1
Total	4.70	0.06	6.82	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.0	28.0	< 0.005	< 0.005	28.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.14	0.01	0.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.18	3.18	< 0.005	< 0.005	3.19
Total	0.79	0.01	0.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.18	3.18	< 0.005	< 0.005	3.19

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.12	0.06	6.82	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.0	28.0	< 0.005	< 0.005	28.1
Total	4.70	0.06	6.82	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.0	28.0	< 0.005	< 0.005	28.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.14	0.01	0.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.18	3.18	< 0.005	< 0.005	3.19
Total	0.79	0.01	0.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.18	3.18	< 0.005	< 0.005	3.19

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	35.0	181	216	3.60	0.09	332
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	26.5	137	164	2.73	0.07	251
General Office Building	—	—	—	—	—	—	—	—	—	—	6.13	31.7	37.9	0.63	0.02	58.2

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	67.6	350	418	6.96	0.17	642
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	35.0	181	216	3.60	0.09	332
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	26.5	137	164	2.73	0.07	251
General Office Building	—	—	—	—	—	—	—	—	—	—	6.13	31.7	37.9	0.63	0.02	58.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	67.6	350	418	6.96	0.17	642
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	5.80	30.0	35.8	0.60	0.01	55.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	4.39	22.7	27.1	0.45	0.01	41.6
General Office Building	—	—	—	—	—	—	—	—	—	—	1.01	5.26	6.27	0.10	< 0.005	9.63
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	11.2	58.0	69.2	1.15	0.03	106

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	35.0	181	216	3.60	0.09	332
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	26.5	137	164	2.73	0.07	251
General Office Building	—	—	—	—	—	—	—	—	—	—	6.13	31.7	37.9	0.63	0.02	58.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	67.6	350	418	6.96	0.17	642
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	35.0	181	216	3.60	0.09	332
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	26.5	137	164	2.73	0.07	251
General Office Building	—	—	—	—	—	—	—	—	—	—	6.13	31.7	37.9	0.63	0.02	58.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	—	—	—	—	—	—	—	—	—	—	67.6	350	418	6.96	0.17	642
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	5.80	30.0	35.8	0.60	0.01	55.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	4.39	22.7	27.1	0.45	0.01	41.6
General Office Building	—	—	—	—	—	—	—	—	—	—	1.01	5.26	6.27	0.10	< 0.005	9.63
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	11.2	58.0	69.2	1.15	0.03	106

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	52.8	0.00	52.8	5.28	0.00	185
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	30.3	0.00	30.3	3.03	0.00	106
General Office Building	—	—	—	—	—	—	—	—	—	—	9.02	0.00	9.02	0.90	0.00	31.6

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	92.1	0.00	92.1	9.21	0.00	322
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	52.8	0.00	52.8	5.28	0.00	185
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	30.3	0.00	30.3	3.03	0.00	106
General Office Building	—	—	—	—	—	—	—	—	—	—	9.02	0.00	9.02	0.90	0.00	31.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	92.1	0.00	92.1	9.21	0.00	322
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	8.74	0.00	8.74	0.87	0.00	30.6
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5.02	0.00	5.02	0.50	0.00	17.5
General Office Building	—	—	—	—	—	—	—	—	—	—	1.49	0.00	1.49	0.15	0.00	5.23
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.52	0.00	53.4

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	52.8	0.00	52.8	5.28	0.00	185
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	30.3	0.00	30.3	3.03	0.00	106
General Office Building	—	—	—	—	—	—	—	—	—	—	9.02	0.00	9.02	0.90	0.00	31.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	92.1	0.00	92.1	9.21	0.00	322
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	52.8	0.00	52.8	5.28	0.00	185
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	30.3	0.00	30.3	3.03	0.00	106
General Office Building	—	—	—	—	—	—	—	—	—	—	9.02	0.00	9.02	0.90	0.00	31.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	—	—	—	—	—	—	—	—	—	—	92.1	0.00	92.1	9.21	0.00	322
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	8.74	0.00	8.74	0.87	0.00	30.6
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5.02	0.00	5.02	0.50	0.00	17.5
General Office Building	—	—	—	—	—	—	—	—	—	—	1.49	0.00	1.49	0.15	0.00	5.23
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.52	0.00	53.4

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Manufact	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.40
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.41

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.40
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.41

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/6/2025	2/3/2025	5.00	20.0	—
Site Preparation	Site Preparation	2/4/2025	2/18/2025	5.00	10.0	—
Grading	Grading	2/19/2025	3/19/2025	5.00	20.0	—
Building Construction	Building Construction	3/20/2025	2/5/2026	5.00	230	—

Paving	Paving	2/6/2026	3/6/2026	5.00	20.0	—
Architectural Coating	Architectural Coating	3/7/2026	4/4/2026	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix

Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	86.3	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	64.1	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	25.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	12.8	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT

Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	86.3	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	64.1	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	25.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	12.8	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	235,200	78,400	12,624

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	150,000	—
Site Preparation	0.00	0.00	15.0	0.00	—

Grading	0.00	0.00	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	4.83

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Manufacturing	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
General Office Building	0.00	0%
Other Asphalt Surfaces	4.83	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Manufacturing	310	507	402	128,357	4,305	7,032	5,575	1,779,712

Unrefrigerated Warehouse-No Rail	104	104	104	37,979	1,443	1,443	1,443	526,591
General Office Building	175	39.8	12.6	48,440	2,431	552	175	671,632
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Manufacturing	310	507	402	128,357	4,305	7,032	5,575	1,779,712
Unrefrigerated Warehouse-No Rail	104	104	104	37,979	1,443	1,443	1,443	526,591
General Office Building	175	39.8	12.6	48,440	2,431	552	175	671,632
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	235,200	78,400	12,624

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Manufacturing	757,826	532	0.0330	0.0040	3,381,353
Unrefrigerated Warehouse-No Rail	279,886	532	0.0330	0.0040	1,152,714
General Office Building	320,765	532	0.0330	0.0040	456,236
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Manufacturing	757,826	532	0.0330	0.0040	3,381,353
Unrefrigerated Warehouse-No Rail	279,886	532	0.0330	0.0040	1,152,714
General Office Building	320,765	532	0.0330	0.0040	456,236
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Manufacturing	18,268,750	0.00
Unrefrigerated Warehouse-No Rail	13,828,750	0.00
General Office Building	3,199,207	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Manufacturing	18,268,750	0.00
Unrefrigerated Warehouse-No Rail	13,828,750	0.00
General Office Building	3,199,207	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Manufacturing	98.0	—
Unrefrigerated Warehouse-No Rail	56.2	—
General Office Building	16.7	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

Manufacturing	98.0	—
Unrefrigerated Warehouse-No Rail	56.2	—
General Office Building	16.7	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Manufacturing	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Manufacturing	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Architectural Coatings	Project would comply with SCAQMD Rule 1113 for architectural coatings
Operations: Architectural Coatings	Project would comply with SCAQMD Rule 1113 for architectural coatings

26250 Enterprise Way (Project 2) Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	26250 Enterprise Way (Project 2)
Construction Start Date	1/6/2025
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	4.20
Location	26250 Enterprise Way, Lake Forest, CA 92630, USA
County	Orange
City	Lake Forest
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	6046
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	77.0	1000sqft	1.77	77,000	0.00	—	—	—

Other Asphalt Surfaces	1.47	Acre	1.47	0.00	0.00	—	—	—
Parking Lot	144	Space	1.30	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.8	11.0	15.1	0.03	0.43	0.53	0.97	0.40	0.13	0.53	—	3,229	3,229	0.12	0.09	3,262
Mit.	3.89	11.0	15.1	0.03	0.43	0.53	0.97	0.40	0.13	0.53	—	3,229	3,229	0.12	0.09	3,262
% Reduced	79%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.37	31.7	31.0	0.07	1.37	7.89	9.26	1.26	3.99	5.25	—	9,795	9,795	0.64	1.03	10,120
Mit.	3.37	31.7	31.0	0.07	1.37	7.89	9.26	1.26	3.99	5.25	—	9,795	9,795	0.64	1.03	10,120
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.57	4.90	5.94	0.01	0.19	0.52	0.71	0.18	0.16	0.33	—	1,377	1,377	0.06	0.06	1,397

Mit.	0.75	4.90	5.94	0.01	0.19	0.52	0.71	0.18	0.16	0.33	—	1,377	1,377	0.06	0.06	1,397
% Reduced	52%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.29	0.89	1.08	< 0.005	0.03	0.09	0.13	0.03	0.03	0.06	—	228	228	0.01	0.01	231
Mit.	0.14	0.89	1.08	< 0.005	0.03	0.09	0.13	0.03	0.03	0.06	—	228	228	0.01	0.01	231
% Reduced	52%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	—	—	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	—	—	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	18.8	11.0	15.1	0.03	0.43	0.53	0.97	0.40	0.13	0.53	—	3,229	3,229	0.12	0.09	3,262

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.37	31.7	31.0	0.07	1.37	7.89	9.26	1.26	3.99	5.25	—	9,795	9,795	0.64	1.03	10,120
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.57	4.90	5.94	0.01	0.19	0.52	0.71	0.18	0.16	0.33	—	1,377	1,377	0.06	0.06	1,397
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.29	0.89	1.08	< 0.005	0.03	0.09	0.13	0.03	0.03	0.06	—	228	228	0.01	0.01	231

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.89	11.0	15.1	0.03	0.43	0.53	0.97	0.40	0.13	0.53	—	3,229	3,229	0.12	0.09	3,262
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.37	31.7	31.0	0.07	1.37	7.89	9.26	1.26	3.99	5.25	—	9,795	9,795	0.64	1.03	10,120
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.75	4.90	5.94	0.01	0.19	0.52	0.71	0.18	0.16	0.33	—	1,377	1,377	0.06	0.06	1,397
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.14	0.89	1.08	< 0.005	0.03	0.09	0.13	0.03	0.03	0.06	—	228	228	0.01	0.01	231

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.90	1.39	9.38	0.02	0.05	1.31	1.36	0.04	0.33	0.38	73.1	2,564	2,637	7.52	0.14	2,873
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.35	1.40	5.57	0.02	0.04	1.31	1.36	0.04	0.33	0.37	73.1	2,494	2,567	7.52	0.14	2,798
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.72	1.43	8.00	0.02	0.05	1.31	1.36	0.04	0.33	0.38	73.1	2,518	2,592	7.52	0.14	2,825
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.50	0.26	1.46	< 0.005	0.01	0.24	0.25	0.01	0.06	0.07	12.1	417	429	1.24	0.02	468

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.49	0.45	5.24	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,432	1,432	0.06	0.05	1,454
Area	2.31	0.03	3.35	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	13.8
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	597	597	0.04	< 0.005	600
Water	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Waste	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Off-Road	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Total	2.90	1.39	9.38	0.02	0.05	1.31	1.36	0.04	0.33	0.38	73.1	2,564	2,637	7.52	0.14	2,873
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.48	0.49	4.78	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,376	1,376	0.06	0.05	1,393
Area	1.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	597	597	0.04	< 0.005	600
Water	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Waste	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Off-Road	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Total	2.35	1.40	5.57	0.02	0.04	1.31	1.36	0.04	0.33	0.37	73.1	2,494	2,567	7.52	0.14	2,798
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.48	0.50	4.91	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,391	1,391	0.06	0.05	1,411
Area	2.14	0.02	2.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.43	9.43	< 0.005	< 0.005	9.47
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	597	597	0.04	< 0.005	600
Water	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Waste	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Off-Road	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Total	2.72	1.43	8.00	0.02	0.05	1.31	1.36	0.04	0.33	0.38	73.1	2,518	2,592	7.52	0.14	2,825
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.09	0.09	0.90	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	230	230	0.01	0.01	234
Area	0.39	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.56	1.56	< 0.005	< 0.005	1.57
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	98.9	98.9	0.01	< 0.005	99.3
Water	—	—	—	—	—	—	—	—	—	—	5.65	29.2	34.9	0.58	0.01	53.6
Waste	—	—	—	—	—	—	—	—	—	—	6.46	0.00	6.46	0.65	0.00	22.6
Off-Road	0.02	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.9	56.9	< 0.005	< 0.005	57.1
Total	0.50	0.26	1.46	< 0.005	0.01	0.24	0.25	0.01	0.06	0.07	12.1	417	429	1.24	0.02	468

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.49	0.45	5.24	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,432	1,432	0.06	0.05	1,454
Area	2.31	0.03	3.35	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	13.8
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	597	597	0.04	< 0.005	600
Water	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Waste	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Off-Road	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Total	2.90	1.39	9.38	0.02	0.05	1.31	1.36	0.04	0.33	0.38	73.1	2,564	2,637	7.52	0.14	2,873
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.48	0.49	4.78	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,376	1,376	0.06	0.05	1,393
Area	1.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	597	597	0.04	< 0.005	600
Water	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Waste	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Off-Road	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Total	2.35	1.40	5.57	0.02	0.04	1.31	1.36	0.04	0.33	0.37	73.1	2,494	2,567	7.52	0.14	2,798
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.48	0.50	4.91	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,391	1,391	0.06	0.05	1,411
Area	2.14	0.02	2.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.43	9.43	< 0.005	< 0.005	9.47
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	597	597	0.04	< 0.005	600
Water	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Waste	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Off-Road	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Total	2.72	1.43	8.00	0.02	0.05	1.31	1.36	0.04	0.33	0.38	73.1	2,518	2,592	7.52	0.14	2,825
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.09	0.09	0.90	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	230	230	0.01	0.01	234
Area	0.39	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.56	1.56	< 0.005	< 0.005	1.57
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	98.9	98.9	0.01	< 0.005	99.3
Water	—	—	—	—	—	—	—	—	—	—	5.65	29.2	34.9	0.58	0.01	53.6
Waste	—	—	—	—	—	—	—	—	—	—	6.46	0.00	6.46	0.65	0.00	22.6
Off-Road	0.02	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.9	56.9	< 0.005	< 0.005	57.1
Total	0.50	0.26	1.46	< 0.005	0.01	0.24	0.25	0.01	0.06	0.07	12.1	417	429	1.24	0.02	468

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	3,437
Demolition	—	—	—	—	—	4.89	4.89	—	0.74	0.74	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.61	0.55	< 0.005	0.03	—	0.03	0.02	—	0.02	—	93.8	93.8	< 0.005	< 0.005	94.2
Demolition	—	—	—	—	—	0.13	0.13	—	0.02	0.02	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	15.6
Demolition	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	7.79	3.35	0.04	0.08	1.60	1.68	0.08	0.45	0.53	—	6,181	6,181	0.50	1.00	6,492
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.26	5.26	< 0.005	< 0.005	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.22	0.09	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	169	169	0.01	0.03	178
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	0.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	29.5

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	3,437
Demolition	—	—	—	—	—	4.89	4.89	—	0.74	0.74	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.61	0.55	< 0.005	0.03	—	0.03	0.02	—	0.02	—	93.8	93.8	< 0.005	< 0.005	94.2
Demolition	—	—	—	—	—	0.13	0.13	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	15.6
Demolition	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	7.79	3.35	0.04	0.08	1.60	1.68	0.08	0.45	0.53	—	6,181	6,181	0.50	1.00	6,492
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.26	5.26	< 0.005	< 0.005	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.22	0.09	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	169	169	0.01	0.03	178
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	0.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	29.5

3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.43	0.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	72.5	72.5	< 0.005	< 0.005	72.8
Dust From Material Movement	—	—	—	—	—	0.11	0.11	—	0.05	0.05	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.0	12.0	< 0.005	< 0.005	12.1
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.85	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	221	221	< 0.005	0.01	224
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.07	3.07	< 0.005	< 0.005	3.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.51	0.51	< 0.005	< 0.005	0.51
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.43	0.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	72.5	72.5	< 0.005	< 0.005	72.8
Dust From Material Movement	—	—	—	—	—	0.11	0.11	—	0.05	0.05	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.0	12.0	< 0.005	< 0.005	12.1
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.85	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	221	221	< 0.005	0.01	224
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.07	3.07	< 0.005	< 0.005	3.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.51	0.51	< 0.005	< 0.005	0.51
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	2,970
Dust From Material Movement	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.36	0.39	< 0.005	0.02	—	0.02	0.01	—	0.01	—	64.9	64.9	< 0.005	< 0.005	65.1
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	10.8
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	1.60	0.69	0.01	0.02	0.33	0.35	0.02	0.09	0.11	—	1,273	1,273	0.10	0.21	1,337
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.21	4.21	< 0.005	< 0.005	4.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.9	27.9	< 0.005	< 0.005	29.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	0.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.62	4.62	< 0.005	< 0.005	4.86

3.6. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	2,970

Dust From Material Movement	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.36	0.39	< 0.005	0.02	—	0.02	0.01	—	0.01	—	64.9	64.9	< 0.005	< 0.005	65.1
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	10.8
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	1.60	0.69	0.01	0.02	0.33	0.35	0.02	0.09	0.11	—	1,273	1,273	0.10	0.21	1,337

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.21	4.21	< 0.005	< 0.005	4.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.9	27.9	< 0.005	< 0.005	29.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	0.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.62	4.62	< 0.005	< 0.005	4.86

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.86	3.57	0.01	0.12	—	0.12	0.11	—	0.11	—	657	657	0.03	0.01	659

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.52	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	109	109	< 0.005	< 0.005	109
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	1.81	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	429	429	< 0.005	0.02	436
Vendor	0.01	0.42	0.21	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	402	402	0.02	0.06	421
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.57	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	409	409	0.01	0.02	413
Vendor	0.01	0.43	0.21	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	403	403	0.02	0.06	420
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.45	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	115
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	110	110	0.01	0.02	115
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.8	18.8	< 0.005	< 0.005	19.0
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.3	18.3	< 0.005	< 0.005	19.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.86	3.57	0.01	0.12	—	0.12	0.11	—	0.11	—	657	657	0.03	0.01	659
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.52	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	109	109	< 0.005	< 0.005	109
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	1.81	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	429	429	< 0.005	0.02	436
Vendor	0.01	0.42	0.21	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	402	402	0.02	0.06	421

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.57	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	409	409	0.01	0.02	413
Vendor	0.01	0.43	0.21	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	403	403	0.02	0.06	420
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.45	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	115
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	110	110	0.01	0.02	115
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.8	18.8	< 0.005	< 0.005	19.0
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.3	18.3	< 0.005	< 0.005	19.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	6.52	8.84	0.01	0.29	—	0.29	0.26	—	0.26	—	1,351	1,351	0.05	0.01	1,355
Paving	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.0	37.0	< 0.005	< 0.005	37.1
Paving	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.13	6.13	< 0.005	< 0.005	6.15
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	1.12	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	265	265	< 0.005	0.01	269
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.02	7.02	< 0.005	< 0.005	7.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.16	1.16	< 0.005	< 0.005	1.18

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	6.52	8.84	0.01	0.29	—	0.29	0.26	—	0.26	—	1,351	1,351	0.05	0.01	1,355
Paving	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.0	37.0	< 0.005	< 0.005	37.1
Paving	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.13	6.13	< 0.005	< 0.005	6.15
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	1.12	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	265	265	< 0.005	0.01	269
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.02	7.02	< 0.005	< 0.005	7.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.16	1.16	< 0.005	< 0.005	1.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	134
Architectural Coatings	18.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	7.34
Architectural Coatings	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	1.22
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	85.9	85.9	< 0.005	< 0.005	87.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.54	4.54	< 0.005	< 0.005	4.60

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.75	0.75	< 0.005	< 0.005	0.76
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	134
Architectural Coatings	3.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	7.34
Architectural Coatings	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	1.22
Architectural Coatings	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	85.9	85.9	< 0.005	< 0.005	87.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.54	4.54	< 0.005	< 0.005	4.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.75	0.75	< 0.005	< 0.005	0.76
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.49	0.45	5.24	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,432	1,432	0.06	0.05	1,454
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.49	0.45	5.24	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,432	1,432	0.06	0.05	1,454
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.48	0.49	4.78	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,376	1,376	0.06	0.05	1,393
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.48	0.49	4.78	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,376	1,376	0.06	0.05	1,393
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	0.09	0.09	0.90	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	230	230	0.01	0.01	234
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.09	0.09	0.90	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	230	230	0.01	0.01	234

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.49	0.45	5.24	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,432	1,432	0.06	0.05	1,454
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.49	0.45	5.24	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,432	1,432	0.06	0.05	1,454
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	0.48	0.49	4.78	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,376	1,376	0.06	0.05	1,393
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.48	0.49	4.78	0.01	0.01	1.31	1.32	0.01	0.33	0.34	—	1,376	1,376	0.06	0.05	1,393
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.09	0.09	0.90	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	230	230	0.01	0.01	234
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.09	0.09	0.90	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	230	230	0.01	0.01	234

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	525	525	0.03	< 0.005	527
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	72.1	72.1	< 0.005	< 0.005	72.4
Total	—	—	—	—	—	—	—	—	—	—	—	597	597	0.04	< 0.005	600
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	525	525	0.03	< 0.005	527
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	72.1	72.1	< 0.005	< 0.005	72.4
Total	—	—	—	—	—	—	—	—	—	—	—	597	597	0.04	< 0.005	600
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	87.0	87.0	0.01	< 0.005	87.3
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9	< 0.005	< 0.005	12.0
Total	—	—	—	—	—	—	—	—	—	—	—	98.9	98.9	0.01	< 0.005	99.3

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	525	525	0.03	< 0.005	527
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	72.1	72.1	< 0.005	< 0.005	72.4
Total	—	—	—	—	—	—	—	—	—	—	—	597	597	0.04	< 0.005	600
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	525	525	0.03	< 0.005	527
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	72.1	72.1	< 0.005	< 0.005	72.4
Total	—	—	—	—	—	—	—	—	—	—	—	597	597	0.04	< 0.005	600
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	87.0	87.0	0.01	< 0.005	87.3
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9	< 0.005	< 0.005	12.0
Total	—	—	—	—	—	—	—	—	—	—	—	98.9	98.9	0.01	< 0.005	99.3

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.03	3.35	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	13.8
Total	2.31	0.03	3.35	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	13.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	0.07	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.56	1.56	< 0.005	< 0.005	1.57
Total	0.39	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.56	1.56	< 0.005	< 0.005	1.57

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.03	3.35	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	13.8
Total	2.31	0.03	3.35	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	13.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.56	1.56	< 0.005	< 0.005	1.57
Total	0.39	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.56	1.56	< 0.005	< 0.005	1.57

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5.65	29.2	34.9	0.58	0.01	53.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	5.65	29.2	34.9	0.58	0.01	53.6

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	34.1	177	211	3.51	0.08	324
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5.65	29.2	34.9	0.58	0.01	53.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	5.65	29.2	34.9	0.58	0.01	53.6

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	6.46	0.00	6.46	0.65	0.00	22.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	6.46	0.00	6.46	0.65	0.00	22.6

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	39.0	0.00	39.0	3.90	0.00	136

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	6.46	0.00	6.46	0.65	0.00	22.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	6.46	0.00	6.46	0.65	0.00	22.6

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Total	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Total	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Tractors/Loaders/B	0.02	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.9	56.9	< 0.005	< 0.005	57.1
Total	0.02	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.9	56.9	< 0.005	< 0.005	57.1

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Total	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Total	0.11	0.91	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	344	344	0.01	< 0.005	345
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.02	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.9	56.9	< 0.005	< 0.005	57.1
Total	0.02	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.9	56.9	< 0.005	< 0.005	57.1

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/6/2025	1/17/2025	5.00	10.0	—
Site Preparation	Site Preparation	1/20/2025	1/24/2025	5.00	5.00	—
Grading	Grading	1/27/2025	2/5/2025	5.00	8.00	—
Building Construction	Building Construction	2/6/2025	6/25/2025	5.00	100	—
Paving	Paving	6/26/2025	7/9/2025	5.00	10.0	—
Architectural Coating	Architectural Coating	7/10/2025	8/6/2025	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41

Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

Grading	Tractors/Loaders/Back	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	88.6	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT

Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	18.3	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	32.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	12.6	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	6.47	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT

Demolition	Hauling	88.6	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	18.3	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	32.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	12.6	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	6.47	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	115,500	38,500	7,229

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	76,978	—
Site Preparation	0.00	0.00	7.50	0.00	—
Grading	1,167	0.00	8.00	0.00	—
Paving	0.00	0.00	0.00	0.00	2.77

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Other Asphalt Surfaces	1.47	100%
Parking Lot	1.30	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	134	134	134	48,903	1,858	1,858	1,858	678,052
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	134	134	134	48,903	1,858	1,858	1,858	678,052
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	115,500	38,500	7,229

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

Unrefrigerated Warehouse-No Rail	360,388	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00
Parking Lot	49,453	532	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	360,388	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00
Parking Lot	49,453	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	17,806,250	0.00
Other Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	17,806,250	0.00
Other Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	72.4	—
Other Asphalt Surfaces	0.00	—
Parking Lot	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	72.4	—
Other Asphalt Surfaces	0.00	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Average	1.00	4.00	200	0.37

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Average	1.00	4.00	200	0.37

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Based on the construction duration from the previously prepared IS MND
Construction: Architectural Coatings	Project would comply with SCAQMD Rule 1113
Operations: Architectural Coatings	Project would comply with SCAQMD Rule 1113
Operations: Energy Use	Project would be all electric
Operations: Off-Road Equipment	Project would include a 200 hp diesel powered tractor/loader/backhoe operating at 4 hours per day, 365 days

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HEALTH RISK ASSESSMENT

IPT ENTERPRISE BUSINESS CENTER LLC PROJECT

LAKE FOREST, CALIFORNIA

LSA

June 2025

HEALTH RISK ASSESSMENT

IPT ENTERPRISE BUSINESS CENTER LLC PROJECT

LAKE FOREST, CALIFORNIA

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June 2025

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LIST OF ABBREVIATIONS AND ACRONYMS

AB	Assembly Bill
ADT	average daily trips
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
Basin	South Coast Air Basin
CalEEMod	California Emissions Estimator Model
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CARB Handbook	*Air Quality and Land Use Handbook*
CEQA	California Environmental Quality Act
cy	cubic yards
DPM	diesel particulate matter
EMFAC2021	California Emissions Factor Model, Version 2021
EV	electric vehicle
HARP2	Hotspots Analysis and Reporting Program (Version 2)
HI	Hazard Index
hp	horsepower
HRA	Health Risk Assessment
I-5	Interstate 5
ISR	Indirect Source Rule
LEED	Leadership in Energy and Environmental Design
MEI	maximally exposed individual
MICR	maximum individual cancer risk

MM	Mitigation Measure
mph	miles per hour
OEHHA	California Office of Environmental Health Hazard Assessment
PM_{10}	particulate matter less than 10 microns in diameter
project	IPT Enterprise Business Center LLC Project
RMP	Risk Management Plan
ROG	reactive organic gas
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
sq ft	square foot/feet
SR-241	State Route 241
TAC	toxic air contaminant
URF	unit risk factor
USEPA	United States Environmental Protection Agency
VDECS	Verified Diesel Emission Control Strategies

INTRODUCTION

LSA has prepared a construction and operational Health Risk Assessment (HRA) for the proposed IPT Enterprise Business Center LLC Project (proposed project) in Lake Forest, California.

An HRA is a process used to estimate the increased health risk levels for people living and/or working near a project that emits toxic air contaminants (TACs). An HRA combines results of studies on the health effects of various animal and human exposure to TACs with results of studies that estimate the exposure levels at different distances from the source of pollutants. The purpose of the HRA is to document the increased cancer and noncancer health risk levels from project-related emissions of TACs on existing nearby sensitive receptors, including residents and/or workers.

The City of Lake Forest (City) recommends the preparation of an HRA in accordance with policies and procedures of the State Office of Environmental Health Hazard Assessment (OEHHA) and the South Coast Air Quality Management District (SCAQMD). This HRA evaluates all these criteria in compliance with applicable requirements.

PROJECT LOCATION AND DESCRIPTION

The 8.83-acre project site is located at 26200 Enterprise Way in the north-central portion of Lake Forest in Orange County, California. The project site is currently developed with an existing 144,906-square-foot (sq ft) vacant building. Regional access to the project site is provided by State Route 241 (SR-241), which is located approximately 0.7 mile north of the project site, and Interstate 5 (I-5), which is located approximately 3.75 miles southwest of the project site. Local access to the project site is provided by Enterprise Way, which is accessed from Dimension Drive. See Figure 1, Regional Project Location, and Figure 2, Site Plan, below.

The proposed project involves the demolition of the existing 144,906 sq ft building and redevelopment of the property with a new 165,803 sq ft industrial building. The proposed project would include a mix of office, manufacturing, and warehouse space. Approximately 10,000 sq ft would serve as office space, with up to 65,000 sq ft proposed for manufacturing use, and the remainder would be utilized for warehouse use. A maximum of 23 usable dock-high doors, a gated truck loading area, a 16-foot-(ft) high, 65 ft long wall located at the eastern end of the loading docks, west of the proposed trash enclosure, and up to 262 parking spaces for passenger vehicles would be provided. Landscaping would total approximately 17.29 percent of the gross project site (66,559 sq ft). Additionally, the proposed project includes the following off-site improvements which would be constructed by the project developer prior to occupancy of the proposed industrial building to enhance public safety and address concerns related to large truck turning movements:

- **Intersection of Bake Parkway and Commercentre Drive:** Modifications would be made to the traffic signal to accommodate protected eastbound and westbound left-turn phasing (from split phasing). Lane geometrics would be modified for the westbound approach to accommodate dual left-turn lanes and a shared through right-turn lane. Additionally, modifications would be made to the traffic signal equipment.

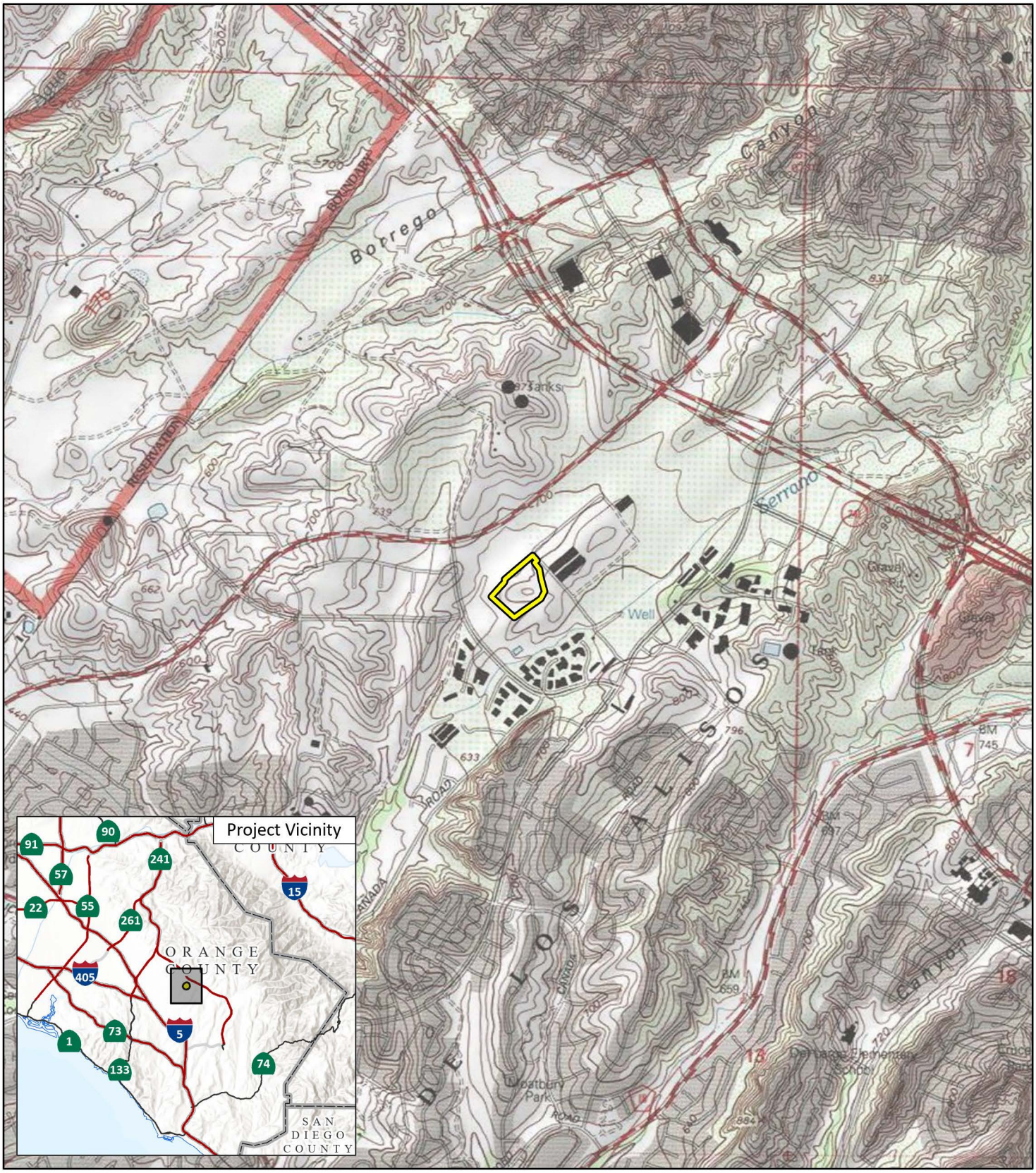


FIGURE 1

0 1000 2000
FEET

IPT Enterprise Business Center LLC

Project Location

SOURCE: *El Toro CA*, 7.5' Quad (USGS 1982)

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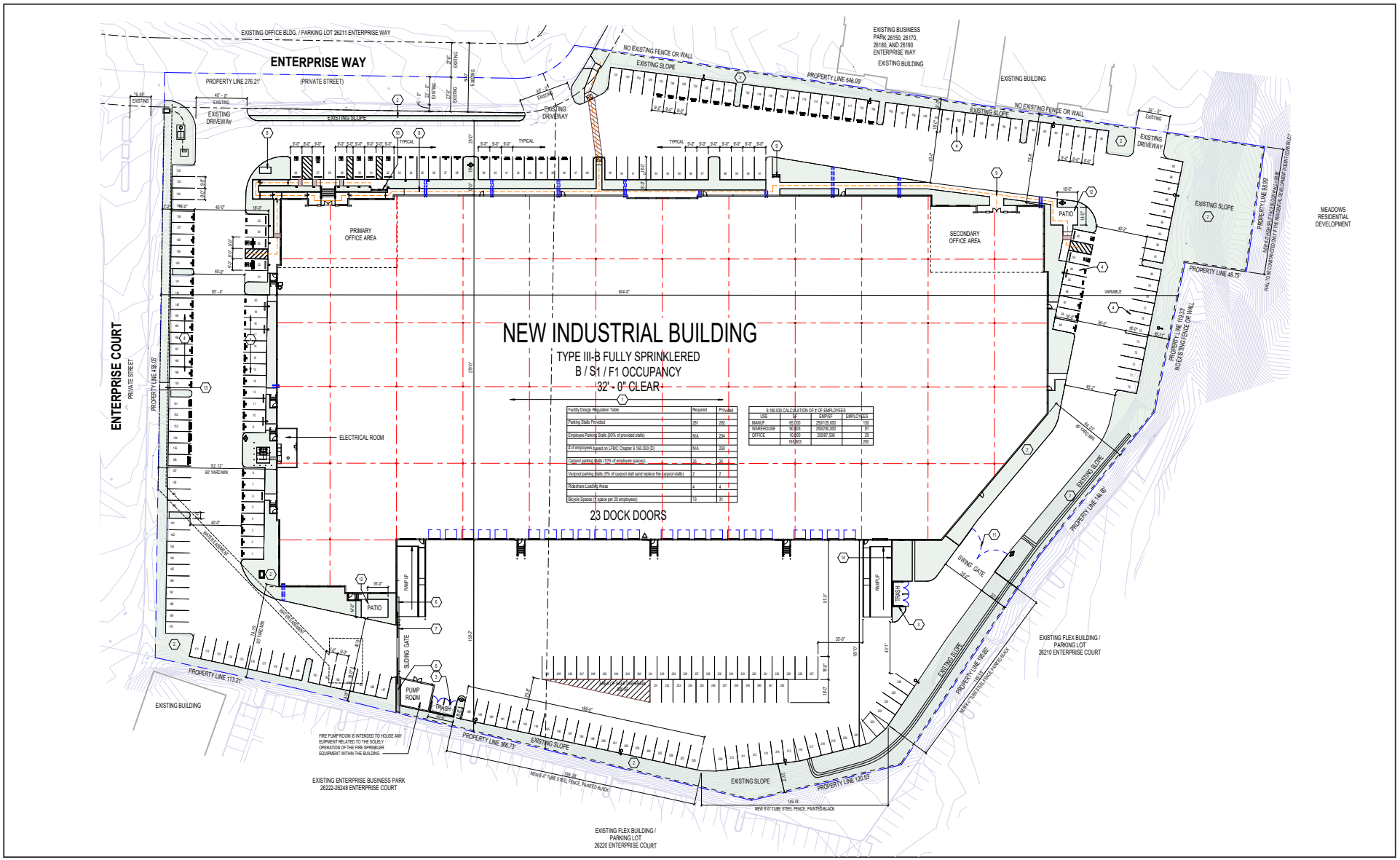


FIGURE 2

0 90 180

FEET

SOURCE: RGA Architects

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IPT Enterprise Business Center LLC Project

Site Plan

- **Intersection of Bake Parkway and Dimension Drive:** Modifications would be made to the median to accommodate a 430-foot westbound left-turn lane. Additionally, modifications would be made to the traffic signal equipment.

- **Intersection of Dimension Drive/Commercentre Drive – Enterprise Way:** Modifications would be made to the traffic signal to accommodate protected eastbound and westbound left-turn phasing (from permissive phasing). The radius of the southeast corner at this intersection would be modified to accommodate wheelbase-67 (WB-67) truck turns (northbound right turn). Additionally, modifications would be made to the traffic signal equipment.

- **Intersection of Lake Forest Drive and Dimension Drive:** Modifications would be made to accommodate a 250-foot northbound left-turn lane and a 205-foot eastbound left-turn lane. Additionally, modifications would be made to the traffic signal equipment.

- **Intersection of Lake Forest Drive and Rancho Parkway:** Modifications would be made to accommodate a new 225-foot northbound right-turn lane, a 470-foot northbound left-turn lane, and a 440-foot southbound left-turn lane. Additionally, modifications would be made to the traffic signal equipment.

The proposed project would be consistent with the California Green Building Standards Code (CALGreen Code) and Assembly Bill (AB) 1881 water-efficient landscape requirements. Additionally, the proposed project will be seeking Leadership in Energy and Environmental Design (LEED) certification through the applicant's LEED Volume program. Some of the features in the design include, but not be limited to, drought-tolerant landscaping, low-flow fixtures, high-efficiency lighting, solar, and infrastructure for electric vehicle (EV) charging.

This analysis assumes the proposed uses could operate up to 24 hours per day, 7 days per week. Once operational, the proposed project would generate approximately 573 average daily trips (ADT), including 458 passenger car trips, 38 two-axle truck trips, 21 three-axle truck trips, and 58 four-axle truck trips.[1] In addition, the proposed project would not utilize natural gas during construction and operation. The proposed project would also include two 200-horsepower (hp), diesel-powered, cargo-handling equipment pieces for operation of the project and a 300 hp, diesel-powered fire pump, which is estimated to operate for up to 50 hours per year.

Construction activities associated with the proposed project would include demolition of the existing structure, site preparation, grading, building construction, paving, and architectural coating activities. Construction of the proposed project would tentatively commence in January 2026 and is expected to be completed in about 1 year. Construction of the proposed project would require a net export of approximately 900 cy of material. Based on information from the project Applicant, the proposed project is anticipated to require the use of concrete industrial saws, excavators, impactors, stackers, jaw crushers, bull dozers, tractors, loaders, backhoes, graders, scrapers, forklifts, cranes, generator sets, welders, concrete ride on trowel machine, cement and mortar mixers, paving

[1] LSA. 2025. *Traffic Impact Analysis for the IPT Enterprise Business Center LLC Project, Table E: Project Trip Generation Summary.* March.

equipment, and air compressors. Equipment tier engine and number of equipment pieces was provided by the project Applicant.

EXISTING LAND USES IN THE PROJECT AREA

For the purposes of this analysis, sensitive receptors are areas of the population that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include residences, schools, daycare centers, hospitals, parks, and similar uses that are sensitive to air quality. Impacts on sensitive receptors are of particular concern because they are the population most vulnerable to the effects of air pollution. The project site is surrounded primarily by light industrial uses and residential uses. The adjacent land uses to the project site are light industrial uses to the north, west, and south, and residential uses to the east.

The closest sensitive receptors to the proposed project site are residential uses, such as single-family homes located adjacent to the east property line at approximately 82 feet from the project site's eastern boundary limit to the residential building facade. Other residential uses are located north of the project site, at approximately 900 ft from the project's northern boundary limit as measured to the residential building façade. In addition, a nature park is located to the south of the proposed project site, within 450 ft as measured from the proposed project site southern boundary to the center of the park.

BACKGROUND

This section provides a discussion of regulatory guidance from the California Air Resources Board (CARB), the OEHHA, the California Air Pollution Control Officers Association (CAPCOA), and the SCAQMD.

OFFICE OF ENVIRONMENTAL HEALTH AND HAZARD ASSESSMENT GUIDELINES

The OEHHA developed the *Air Toxics Hot Spots Program Guidance Manual*[2] in conjunction with the CARB for use in implementing the Air Toxics Hot Spots Program (Health and Safety Code Section 44360). The manual describes health effect values, exposure pathway variates (e.g., breathing rates), and a tiered approach for performing HRAs based on current science and policy assessment. The intent of the guidance manual is to incorporate children's health concerns, update risk assessment practices, and provide consistent risk assessment procedures.

CALIFORNIA AIR POLLUTION CONTROL OFFICERS ASSOCIATION

In 2009, the CAPCOA published guidance[3] on assessing the health risk impacts from and to proposed land use projects, focusing on the acute, chronic, and cancer impacts of sources affected by CEQA. The document recommends procedures to identify when a project should undergo further risk evaluation, procedures for conducting an HRA, guidelines to engage the public, presentation guidelines for results from the HRA, and mitigation measures that may be appropriate for various land use projects.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

The SCAQMD has risk assessment guidelines, *AB 2588 and Rule 1402 Supplemental Guidelines*[4]. These guidelines incorporate the OEHHA guidance and the options to be used when using the CARB's Hotspots Analysis and Reporting Program Version 2 (HARP2) program for risk assessment calculations.[5]

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2 California Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program Guidance Manual*. March. Website: oehha.ca.gov/air/crnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0 (accessed February 2025).

3 California Air Pollution Control Officers Association (CAPCOA). 2009. *Health Risk Assessments for Proposed Land Use Projects*. July. Website: https://ww2.valleyair.org/media/glsdzpx3/capcoa_hra_lu_guidelines_8-6-09.pdf (accessed February 2025).

4 South Coast Air Quality Management District (SCAQMD). 2018. *AB 2588 and Rule 1402 Supplemental Guidelines*. July. Website: www.aqmd.gov/docs/default-source/planning/risk-assessment/ab2588 supplementalguidelines.pdf (accessed February 2025).

5 CARB. n.d. Hot Spots Analysis & Reporting Program. Website: www.arb.ca.gov/toxics/harp/harp.htm (accessed February 2025).

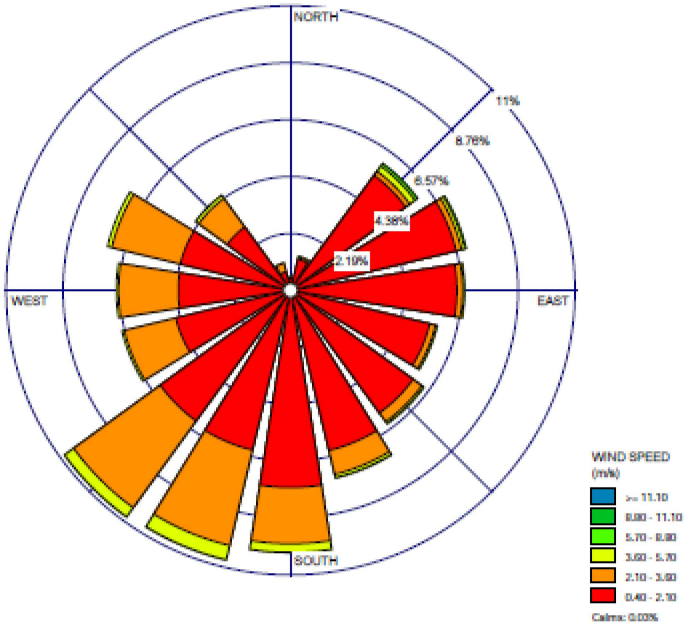
SETTING

REGIONAL AIR QUALITY

The project site is in Lake Forest, California, which is part of the South Coast Air Basin (Basin) and is under the jurisdiction of the SCAQMD.

Climate/Meteorology

Air quality in the planning area is not only affected by various emission sources (e.g., mobile and industry), but also by atmospheric conditions (e.g., wind speed, wind direction, temperature, and rainfall). The nearest representative meteorological station that provides the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) ready meteorological data is the Mission Viejo Meteorological Station. Figure 3, Project Area Wind Patterns, shows the windrose[6] from data measured at this station and the wind patterns for the project area.



Source: SCAQMD Meteorological Data for AERMOD. Website: www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod (accessed June 2024).

Figure 3: Project Area Wind Patterns

[6] A windrose provides a succinct view of how wind speed and direction are typically distributed at a particular location. Presented in a circular format, the windrose shows the frequency of winds blowing from particular directions.

Toxic Air Contaminants

The public's exposure to TACs is a significant environmental health issue in the State of California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health. The Health and Safety Code defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health." A substance that is listed as a hazardous air pollutant pursuant to subsection (b) of Section 112 of the Federal Clean Air Act (42 United States Code Section 7412) is a TAC. Under State law, the California Environmental Protection Agency, acting through CARB, is authorized to identify a substance as a TAC if it determines the substance is an air pollutant that may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health.

California regulates TACs primarily through Assembly Bill (AB) 1807 (Tanner Air Toxics Act), AB 2588 (Air Toxics "Hot Spot" Information and Assessment Act of 1987), and Senate Bill (SB) 25, the Children's Environmental Health Protection Act. The Tanner Air Toxics Act sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an "airborne toxics control measure" for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions.

Air toxics from stationary sources are also regulated in California under AB 2588. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the designated air quality management district or air pollution control district. High-priority facilities are those that have stationary source emissions of TACs with the potential to result in a significant risk to public health or safety. Considerations include the potency, toxicity, quantity, and volume of hazardous materials released from the facility, the proximity of the facility to potential receptors, including, but not limited to, hospitals, schools, day care centers, worksites, and residences, and any other factors that the district finds and determines may indicate that the facility may pose a significant risk to receptors. Pursuant to subdivision (a) to Section 44360 of OEHHA[7], high priority facilities are required to perform an HRA and, if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings. Land use projects are not subject to the requirements of AB 2588; however, the health risk assessment methodology developed for this program can be applied to emission sources associated with land use projects (i.e., trucks).

To date, CARB has designated nearly 200 compounds as TACs. Additionally, CARB has implemented control measures for a number of compounds that pose high risks and show potential for effective control. The majority of the estimated health risks from TACs can be attributed to relatively few compounds, the most important being particulate matter from diesel-fueled engines (diesel particulate matter [DPM]).

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7 OEHHA. 2019. California Health and Safety Code 44360. January 18. Website: https://oehha.ca.gov/media/health_saf._code_ssss_44360-44362.pdf (accessed November 2024)

THRESHOLDS OF SIGNIFICANCE

Both the State and federal governments have established health-based ambient air quality standards for seven air pollutants. For other air pollutants without defined significance standards, the definition of substantial pollutant concentrations varies. For TACs, "substantial" is taken to mean that the individual health risk exceeds a threshold considered to be a prudent risk management level.

The following limits for maximum individual cancer risk (MICR) and noncancer acute and chronic Hazard Index (HI) from project emissions of TACs are considered appropriate for use in determining the health risk for projects in the Basin:

- **MICR:** MICR is the estimated probability of a maximally exposed individual (MEI) contracting cancer as a result of exposure to TACs over a period of 30 years for adults and 9 years for children in residential locations and over a period of 25 years for workers. The MICR calculations include multipathway consideration, when applicable.

  The cumulative increase in MICR that is the sum of the calculated MICR values for all TACs would be considered significant if it would result in an increased MICR greater than 10 in 1 million (1×10^{-5}) at any receptor location.

- **Chronic HI:** Chronic HI is the ratio of the estimated long-term level of exposure to a TAC for a potential MEI to its chronic reference exposure level. The chronic HI calculations include multipathway consideration, when applicable.

  The proposed project would be considered significant if the cumulative increase in total chronic HI for any target organ system would exceed 1.0 at any receptor location.

- **Acute HI:** Acute HI is the ratio of the estimated maximum 1-hour concentration of a TAC for a potential MEI to its acute reference exposure level.

  The proposed project would be considered significant if the cumulative increase in total acute HI for any target organ system would exceed 1.0 at any receptor location.

The SCAQMD *CEQA Air Quality Handbook*[8] states that emissions of TACs are considered significant if an HRA shows an increased risk of greater than 10 in 1 million. Based on guidance from SCAQMD in the document *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis,*[9] for the purposes of this analysis, the threshold of 10 in 1 million was used as the cancer risk threshold for the proposed project.

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8 SCAQMD. 1993. *CEQA Air Quality Handbook.* Website: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993) (accessed February 2025).

9 SCAQMD. 2003. *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*. August.

METHODOLOGY

The methodology used to estimate health risk impacts is described below.

GENERAL INFORMATION

For the purposes of an HRA, emissions are analyzed for acute health impacts, chronic, and carcinogenic health impacts. A multipathway assessment has been conducted to evaluate the project's emissions during construction and operation following the modeling techniques recommended in the OEHHA *Air Toxic Hot Spots Program Risk Assessment Guidelines*.[10] The analysis herein has been conducted in accordance with SCAQMD requirements for HRAs.

This HRA has been conducted using three models: (1) the CARB's California Emissions Factor Model, Version 2021 (EMFAC2021) for vehicle emissions factors and percentages of fuel type within the overall vehicle fleet; (2) the United States Environmental Protection Agency's (USEPA) AERMOD dispersion model to determine how the TACs would move through the atmosphere after release from sources both on site and along the truck routes; and (3) the CARB's HARP2 model to translate the pollutant concentrations from AERMOD into individual health risks at the nearby sensitive receptor locations.

The OEHHA has determined that long-term exposure to diesel exhaust particulates poses the highest cancer risk of any TAC it has evaluated. Exposure to diesel exhaust can also have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles (also known as DPM) made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to DPM also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks. For risk assessment procedures, the OEHHA specifies that the surrogate for whole diesel exhaust is DPM. The HRA analyses used particulate matter less than 10 microns in diameter (PM_{10}) emissions to represent DPM emissions, consistent with OEHHA guidance.

The conservative nature of this analysis is due primarily to the following three factors:

- The CARB-adopted diesel exhaust unit risk factor (URF) of 300 in 1 million per microgram per cubic meter is based on the upper 95th percentile of estimated risk for each of the epidemiological studies used to develop the URF. Therefore, the risk factor is already representative of the conservative risk posed by DPM.

- The risk estimates assume sensitive residence receptors would be subject to DPM for 24 hours per day, 350 days per year and worker receptors for 8 hours per day, 350 days per year. As a conservative measure, SCAQMD does not recognize indoor adjustments for residents or workers. However, people typically spend the majority of their time indoors versus remaining

[10] OEHHA. 2015. *Air Toxics Hot Spots Program Guidance Manual*. March. Website: oehha.ca.gov/air/crnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0 (accessed February 2025).

outdoors for 24 hours per day, 350 days per year.[11] Therefore, the actual exposure any person would experience would be less than considered in this analysis. This results in much lower actual health risk levels than presented in this analysis.

- For the operational HRA, the exposure to DPM is assumed to be constant for the given period analyzed (i.e., 30 years for the residential receptors and 25 years for the worker receptors). However, emissions from DPM are expected to substantially decrease in the future with the implementation of standard regulatory requirements and technological advancements to reduce DPM. Therefore, the health risk levels from these future trucks would be less than presented in this analysis.

Improvements over the last 40 years to diesel fuel and diesel engines have resulted in lower emissions of some of these TACs.[12] These improvements resulted in a 75 percent reduction in particle emissions from diesel-powered trucks and other equipment in 2010 and an 85 percent reduction in 2020 compared to 2000 levels.[13] These improvements are anticipated to continue into the foreseeable future. Electric trucks are also being phased in and, once in use, would eliminate the emissions of DPM associated with truck travel.

American Meteorological Society/Environmental Protection Agency Regulatory Model Dispersion Modeling

In order to assess the dispersion of emissions associated with the proposed project, air dispersion modeling was performed using AERMOD. The model is approved by the USEPA when estimating the air quality impacts associated with point and fugitive sources in simple and complex terrain. The model was used to calculate the annual average pollutant concentrations associated with each emitting source. Inputs for each emitting source were based on the characterizations described above.

For the volume sources used to represent on-road mobile source activity, vertical (sigma z) dispersion parameters were developed as described in the SCAQMD's modeling guidance for trucks. For the truck unloading locations, individual point sources represent the trucks idling at each loading dock. For all the idling sources, the release parameters were set to the SCAQMD default parameters. Receptors were placed at the nearest sensitive receptor locations.

The model requires additional input parameters, including local meteorology. Due to the model's sensitivity to individual parameters (e.g., wind speed, temperature, and direction), the USEPA

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11 In May 1991, the CARB Research Division, in association with the University of California, Berkeley, published research findings titled *Activity Patterns of California Residents*. The findings of that study indicate that, on average, adults and adolescents in California spent almost 15 hours per day inside their homes and 6 hours in other indoor locations, for a total of 21 hours (87 percent of the day). About 2 hours per day were spent in transit, and just over 1 hour per day was spent in outdoor locations.

12 United States Environmental Protection Agency (USEPA). n.d. *Learn About Impacts of Diesel Exhaust and the Diesel Emissions Reduction Act (DERA)*. Website: www.epa.gov/dera/learn-about-impacts-diesel-exhaust-and-diesel-emissions-reduction-act-dera (accessed February 2025).

13 OEHHA. 2001. *Health Effects of Diesel Exhaust*. May 21, 2001. Website: oehha.ca.gov/air/health-effects-diesel-exhaust (accessed February 2025).

recommends meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. As such, 5 years of meteorological data from SCAQMD's Mission Viejo Meteorological Station (the nearest available station) was used to represent local weather conditions and prevailing winds. Figure 3 shows the graphical representation of the wind patterns. Receptors were placed at the nearest sensitive receptor locations, as shown in Figure 4, Sensitive Receptor Grid.



Figure 4: Sensitive Receptor Grid

Hotspots Analysis and Reporting Program Modeling

CARB's HARP2 model is a tool that assists with the programmatic requirements of the Air Toxics "Hot Spots" Program (AB 2588). HARP2 was used to translate the TAC concentrations from AERMOD into long-term carcinogenic and chronic, and short-term acute health risk levels following the guidance in the SCAQMD and OEHHA risk assessment guidelines. These guidelines specify a minimum set of TAC pathways and HARP2 modeling options for the carcinogenic assessment. To estimate chronic noncancer risks at residential receptors, the "Risk Management Plan (RMP)-Derived Method" risk-calculation option was used. Following the OEHHA guidance, an 8-hour chronic noncancer risk was calculated for residential receptors because the proposed project would operate more than 8 hours per day and 5 days per week.

The dose-response relationship for a specific pollutant describes the association between exposure and the observed response (health effect). In other words, the relationship estimates how different levels of exposure to a pollutant change the likelihood and severity of health effects. The dose-response relationship (the response occurring with increasing doses) varies with each pollutant, individual sensitivity, and type of health effect. Combining the results of the emission

characterization and dispersion modeling described above with the dose-response assessment gives an estimate of the increased health risk for an individual exposed to the maximum predicted long-term concentrations of TACs.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were default rates as presented in the OEHHA guidance document entitled *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*[14] and guidance from SCAQMD.

CONSTRUCTION HEALTH RISK ASSESSMENT

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. As discussed above, to estimate the potential cancer risk associated with construction of the proposed project from equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to a concentration at the receptor location of interest (i.e., a nearby residence and worksites). Dispersion modeling varies from a simpler, more conservative screening-level analysis to a more complex and refined detailed analysis. This refined assessment was conducted using the CARB exposure methodology with the air dispersion modeling performed using the USEPA AERMOD air dispersion model. The model provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and meteorological data.

Emission Sources

The California Emissions Estimator Model version 2022.1 (CalEEMod) computer program was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site, which was included in AERMOD. Construction of the proposed project is anticipated to begin in January of 2026 and occur for approximately 1 year. Construction of the proposed project would require a net export of approximately 900 cy of material, which was also included in CalEEMod. Based on information from the project Applicant, the proposed project is anticipated to require the use of concrete industrial saws, excavators, impactors, stackers, jaw crushers, bull dozers, tractors, loaders, backhoes, graders, scrapers, forklifts, cranes, generator sets, welders, concrete ride on trowel machine, cement and mortar mixers, paving equipment, and air compressors, which was included in CalEEMod. Equipment tier engine and number of equipment pieces was provided by the Applicant, which was included in CalEEMod. In addition, this analysis assumes that the proposed project would comply with SCAQMD Rule 403 measures. The number of worker trips, vendor, and hauling trips during construction were also provided by the project Applicant and included in CalEEMod. All other construction details are not yet known; therefore, default assumptions (e.g., off-road emission factors and construction trip lengths) from CalEEMod were used.

[14] OEHHA. 2015. *Air Toxics Hot Spots Program Guidance Manual*. March. Website: oehha.ca.gov/air/crnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0 (accessed February 2025).

OPERATIONAL HEALTH RISK ASSESSMENT

To determine the potential health risk to people living and working near the proposed project associated with the exhaust of diesel-powered trucks and equipment, an operational HRA was conducted for the proposed project.

Emission Sources

The first step of an HRA is to characterize the project-related emissions of TACs. The proposed project would generate approximately 573 average daily trips, including 458 passenger vehicle trips, 38 two-axle truck trips, 21 three-axle truck trips, and 58 four-axle truck trips.[15] It is assumed that the truck trips would travel approximately 40 miles per trip. The trucks would access the site by Enterprise Way. The proposed project would provide a maximum of 23 dock doors; as the project would contain multiple loading docks, off-site queuing of trucks is not anticipated. While the TAC emissions from gasoline-powered vehicles have a small health effect compared to DPM, this HRA includes all the traffic information described and both gasoline- and diesel-powered vehicle emissions. For the diesel exhaust emissions, it is sufficient to only consider the DPM (PM_{10}) portion of the exhaust; all the TACs for the gasoline exhaust emissions are contained in the reactive organic gas (ROG) emissions. Using speciation data from CARB, the emission rates of the TAC components are derived from the total ROG emissions.

Project trucks would operate in two modes: stationary idling and moving on and off the site. The emissions from trucks while idling result in a much higher concentration of TACs at nearby sensitive receptors compared to the emissions from moving trucks. This is due to the dispersion of emissions that occurs with distance and with travel of the vehicle. For this HRA, the truck travel emissions were modeled as a series of volume sources along the on-site driveways, along Enterprise Way going east and west. LSA assumed vehicles traveling on site would maneuver slowly, averaging approximately 5–15 miles per hour (mph), and that vehicles traveling on roadways would average 5–55 mph. This analysis also assumes that on-site truck idling would occur for approximately 15 minutes.

EMFAC2021 was used to determine the emissions factors of idling and operating diesel trucks to determine the total emissions of PM_{10}. Although the TAC of concern from diesel trucks is DPM, EMFAC2021 does not include emissions factors for this TAC. DPM is a component of the overall exhaust from the project-related trucks. This HRA conservatively assumes the DPM emissions to be equal to the PM_{10} emissions when actually the DPM is only a portion of the overall PM_{10} in the truck exhaust. While it is expected that the truck emissions rate will continue to reduce over time, an HRA only allows for a single emission rate to represent the entire 25- or 30-year exposure period. The use of emissions factors for the earliest year the proposed project could start operations (2027) was selected for this HRA to be conservative. For instance, based on operations starting in 2027, using emissions factors for a 2031 vehicle fleet (the midpoint of the 9-year exposure period) or using emissions for a 2042 vehicle fleet (the midpoint of the 30-year exposure period) could be used; however, either of these would be less conservative.

[15] LSA. 2025. *Traffic Impact Analysis for the IPT Enterprise Business Center LLC Project, Table E: Project Trip Generation Summary.* May.

HEALTH RISK IMPACTS

The following section describes the potential impacts on sensitive and worker receptors from construction and operation of the proposed project. As identified above, the closest sensitive receptor includes single-family homes located adjacent to the east property line at approximately 82 feet from the project site's eastern boundary limit to the residential building facade. The nearest worker receptor to the project site is located immediately north of the project site. The HRA analysis and results are presented below; construction and operational data outputs are included in Appendix A and Appendix B, respectively.

CONSTRUCTION HEALTH RISK ASSESSMENT

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. Table A, below, identifies the results of the analysis at the MEI. Model snap shots of the sources are included in Appendix A.

Table A: Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Residential MEI	41.14	0.054	0.000
Worker MEI	0.70	0.054	0.000
SCAQMD Significance Threshold	**10 in 1 million**	**1.0**	**1.0**
Significant?	**Yes**	**No**	**No**

Source: Compiled by LSA (June 2025).
MEI = maximally exposed individual
SCAQMD = South Coast Air Quality Management District

As shown in Table A, the maximum cancer risk for the residential MEI would be 41.14 in 1 million, which would exceed the SCAQMD cancer risk threshold of 10 in 1 million. The worker MEI would be 0.70 in 1 million, which would not exceed the SCAQMD cancer risk threshold of 10 in 1 million. The total chronic hazard index would be 0.054 for the residential MEI and for the worker MEI, which is below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. Therefore, implementation of Mitigation Measure 1 (MM-1) would be required to reduce construction cancer risk.

MM-1 All construction equipment used during construction of the project shall be equipped with Tier 4 Interim engines or the most effective Verified Diesel Emission Control Strategies (VDECS) available for the engine type (Tier 4 engines automatically meet this requirement) as certified by the California Air Resources Board. The equipment shall be properly maintained and tuned in accordance with manufacturer specifications. Prior to issuance of building permits, the project Applicant shall submit construction plans to the City of Lake Forest denoting the projected equipment Tier rating that will be used during the construction period.

As shown in Table B, with the implementation of MM-1 the maximum cancer risk for the residential receptor MEI would be 5.12 in 1 million, which would not exceed the SCAQMD cancer risk threshold of 10 in 1 million. Therefore, with implementation of MM-1, construction of the proposed project would not exceed SCAQMD thresholds and would not expose nearby sensitive receptors to a significant health risk.

Table B: Mitigated Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Residential MEI	5.12	0.007	0.000
Worker MEI	0.09	0.007	0.000
SCAQMD Significance Threshold	**10 in 1 million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: Compiled by LSA (June 2025).
MEI = maximally exposed individual
SCAQMD = South Coast Air Quality Management District

OPERATIONAL HEALTH RISK ASSESSMENT

To determine the potential health risk to people living and working near the project site associated with the exhaust of diesel-powered trucks and equipment associated with the proposed project, an operational HRA was conducted. The carcinogenic and chronic health risks from the proposed project are shown in Table C. The residential risk conservatively incorporates both the risk for a child living in a nearby residence for 9 years (the standard period of time for child risk) and an adult living in a nearby residence for 30 years (considered a conservative period of time for an individual to live in any one residence). An exposure period of 25 years was assumed for worker receptors.

Table C: Health Risks from Project Operation to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Residential MEI	3.06	0.001	<0.001
Worker MEI	0.85	0.003	<0.001
SCAQMD Significance Threshold	**10.0 in 1 million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: Compiled by LSA (June 2025).
MEI = maximally exposed individual
SCAQMD = South Coast Air Quality Management District

As shown in Table C, the maximum cancer risk for the residential MEI would be 3.06 in 1 million, which would not exceed the SCAQMD cancer risk threshold of 10 in 1 million. The worker MEI would be 0.85 in 1 million, which would also not exceed the threshold. The total chronic hazard index would be 0.001 for the residential MEI and 0.003 for the worker MEI, which is below the threshold of 1.0. In addition, the total acute hazard index would be less than 0.001, which would also not

exceed the threshold of 1.0. As these results show, all health risk levels to nearby receptors from operation-related emissions of TACs would be well below the SCAQMD's HRA thresholds. No significant health risk would occur from project operation emissions and no mitigation is required.

CUMULATIVE IMPACTS

As defined in Section 15355 of the *State CEQA Guidelines*, cumulative impacts are the incremental effects of an individual project when viewed in connection with the effects of past, current, and probable future projects within the cumulative impact area. The SCAQMD significance health risk thresholds consider the emission levels for which a project's individual emissions would be considerable. Each project's individual emissions would contribute to the total ambient air concentration. Therefore, if a project falls below the SCAQMD significance health risk thresholds, its contribution would not be cumulatively considerable. Nevertheless, the Western Realco Projects are reasonably foreseeable projects that would be located in the immediate vicinity of the project site and for the purposes of this analysis are assumed to have construction schedules that overlap with the proposed project. Therefore, the City of Lake Forest, as the lead agency for the environmental review of the proposed project, has requested a quantitative evaluation of the combined cumulative impacts associated with development of the proposed project and immediately adjacent proposed Western Realco Projects.

The Western Realco Projects are comprised of two separate projects (Western Realco Project 1 and Western Realco Project 2). Western Realco Project 1 (26110 Enterprise, 26140 Enterprise, and 26160 Enterprise Way) consists of an 8.42-acre project site located north of the IPT Enterprise Business Center LLC Project site along Bake Parkway. Western Realco Project 1 includes the demolition of three existing office buildings (a total of 150,000 sq ft) and the reconstruction of two new industrial buildings with a total of 156,800 sq ft (one 54,000 sq ft building and one 102,800 sq ft building). The two buildings would have a total of 59,800 sq ft of warehouse use, 79,000 sq ft of manufacturing use, and 18,000 sq ft of office space. Western Realco Project 2 (26250 Enterprise Way) consists of a 4.54-acre project site located immediately west of the IPT Enterprise Business Center Project site in the intersection between Enterprise Way and Dimension Drive. Western Realco Project 2 includes the demolition of a 76,978 sq ft two-story office building and construction of a 77,000 sq ft single-story building. The building would have 69,000 sq ft of warehouse use and 8,000 sq ft of office space.

The regional thresholds developed by the SCAQMD are based on individual projects. In the absence of cumulative thresholds and to be conservative, this analysis would compare the combined cumulative emissions (emissions from the proposed project and the Western Realco Projects) against the project-based SCAQMD significance criteria to determine impacts. Cumulative impacts associated with implementation of the proposed project along with development of Western Realco Projects 1 and 2 are further analyzed below.

Cumulative Construction Health Risk

The following section describes the potential cumulative impacts on sensitive and worker receptors resulting from construction activities associated with the development of the proposed project combined with Western Realco Projects 1 and 2. The residential MEI for the cumulative analysis is

an apartment building reserved for seniors located to the east of Project Site 1, within 125 feet from the project site's eastern boundary, as measured to the building façade. The nearest cumulative worker MEI is located immediately south of Western Realco Project Site 1. Table D, below, identifies the results of the analysis at the MEI, and the risk level of proposed project combined with Western Realco Projects 1 and 2 at the cumulative MEI. Model snap shots of the sources are included in Appendix C.

Table D: Cumulative Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Western Realco Projects			
Project 1: 26110 Enterprise, 26140 Enterprise, and 26160 Enterprise Way			
Residential MEI	71.62	0.094	0.000
Worker MEI	1.69	0.120	0.000
Project 2: 26250 Enterprise Way			
Residential MEI	2.73	0.002	0.000
Worker MEI	0.096	0.004	0.000
IPT Enterprise Business Center LLC Project – Proposed Project			
Residential MEI	4.33	0.006	0.000
Worker MEI	0.196	0.015	0.000
Total Cumulative Emissions (Western Realco Projects + proposed project)			
Residential MEI	**78.68**	**0.102**	**0.000**
Worker MEI	**1.98**	**0.139**	**0.000**
SCAQMD Significance Threshold	**10 in 1 million**	**1.0**	**1.0**
Significant?	**Yes**	**No**	**No**

Source: Compiled by LSA (June 2025).
MEI = maximally exposed individual
SCAQMD = South Coast Air Quality Management District

This analysis assumes buildout of the proposed project and Western Realco Projects 1 and 2. Therefore, a model run was conducted to evaluate the potential cumulative impacts of the buildout of the proposed project along with Western Realco Projects 1 and 2.

A construction HRA was performed to estimate the potential cancer risk associated with construction of Western Realco Projects 1 and 2 from equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to a concentration at the receptor location of interest (i.e., a nearby residence and worksites). This assessment was conducted using the AERMOD air dispersion model, which provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and meteorological data from the Mission Viejo Station.

LSA used estimated emissions from on-site construction equipment and emissions from worker and vehicle trips to the site,[16] which was included in AERMOD. The results of the risk assessment, based on the modeled construction emissions from Western Realco Projects 1 and 2, along with the

[16] LSA. 2025. Air Quality, Greenhouse Gas, and Energy Impact Report for the IPT Enterprise Business Center LLC Project. June.

construction emissions from the proposed project, were summed for the proposed project's MEI and compared to the SCAQMD health risk thresholds. Cumulative construction emissions are summarized in Table D above. Appendix C provides HRA model output sheets.

As shown in Table D, the construction related maximum cumulative cancer risk for the residential MEI would be 78.6 in 1 million, which would exceed the SCAQMD cancer risk threshold of 10 in 1 million. The worker MEI would be 1.98 in 1 million, which would not exceed the SCAQMD cancer risk threshold of 10 in 1 million. The total chronic HI would be 0.102 for the residential MEI and 0.139 for the worker MEI, which is below the threshold of 1.0. In addition, the total acute HI would be nominal (0.000), which would also not exceed the threshold of 1.0. As compared to the project-level emission thresholds recommended by SCAQMD, cumulative construction emissions resulting from the implementation of the proposed project along with the emissions from Western Realco Projects 1 and 2, would exceed the SCAQMD cancer risk threshold of 10 in one million. Therefore, implementation of MM-1 would be required to reduce construction cancer risk.

Furthermore, as identified on the project-specific *Health Risk Assessment: Western Realco Enterprise Way Industrial Project*,[17] the cumulative analysis for Western Realco Projects 1 and 2, in combination with the IPT Enterprise Business Center LLC Project, would exceed the SCAQMD cumulative cancer risk threshold of 10 in 1 million during construction. Therefore, Western Realco Project 1 would be required to implement mitigation requiring all construction equipment be equipped with Tier 4 Final engines or the most effective Verified Diesel Emission Control Strategies (VDECS) available for the engine type as certified by the CARB to reduce cumulative cancer risks. Western Realco Project 2 would be required to implement mitigation requiring all construction equipment be equipped with Tier 4 Interim engines or the most effective VDECS available for the engine type as certified by the CARB to reduce cumulative cancer risks. With implementation of these mitigation measure, the cumulative cancer risk would be reduced a less than significant impact for Western Realco Projects 1 and 2, as identified in the *Health Risk Assessment: Western Realco Enterprise Way Industrial Project*.[18]

Table E identifies the estimated cumulative health risks with implementation of MM-1 for the proposed project and the mitigated emissions identified for Western Realco Projects 1 and 2.

As shown in Table E, with the project's implementation of MM-1, the construction related maximum cumulative cancer risk for the residential MEI would be 5.47 in 1 million, which would not exceed the SCAQMD cancer risk threshold of 10 in 1 million. As compared to the project-level emission thresholds recommended by SCAQMD, cumulative construction emissions resulting from the implementation of the proposed project with MM-1 along with the emissions from Western Realco Projects 1 and 2, would not exceed SCAQMD thresholds. Therefore, no significant health risk would occur from cumulative construction emissions with the project's implementation of MM-1.

17 LSA. 2025. *Health Risk Assessment for the Western Realco Enterprise Way Industrial*. June.
18 Ibid.

Table E: Mitigated Cumulative Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Western Realco Projects			
Mitigated Project 1: 26110 Enterprise, 26140 Enterprise, and 26160 Enterprise Way			
Residential MEI	3.94	0.005	0.000
Worker MEI	1.692	0.001	0.000
Mitigated Project 2: 26250 Enterprise Way			
Residential MEI	0.99	<0.001	0.000
Worker MEI	0.03	0.002	0.000
IPT Enterprise Business Center LLC Project – Proposed Project with MM-1			
Residential MEI	0.54	<0.001	0.000
Worker MEI	0.02	0.002	0.000
Total Cumulative Health Risk (Western Realco Projects and the Proposed Project with MM-1)			
Residential MEI	**5.47**	**0.005**	**0.000**
Worker MEI	**1.742**	**0.005**	**0.000**
SCAQMD Significance Threshold	**10 in 1 million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: Compiled by LSA (June 2025).
MEI = maximally exposed individual
SCAQMD = South Coast Air Quality Management District

Cumulative Operational Health Risk

To determine the potential health risk associated with the exhaust of diesel-powered trucks and equipment to people living and working near the proposed project and Western Realco Projects 1 and 2, an operational HRA was conducted.

Trip generation rates used for CalEEMod for Western Realco Project 1 were based on the project's Traffic Impact Analysis (TIA),[19] which identifies that Western Realco Project 1 would generate approximately 670 ADT, including 104 ADT for warehouse uses, 371 ADT for manufacturing uses, and 195 ADT for office uses. Trip generation rates used in CalEEMod for Western Realco Project 2 were based on the project's TIA,[20] which identifies that Western Realco Project 2 would generate approximately 204 ADT, including 87 ADT for office uses. This cumulative HRA assumed vehicles traveling on site would maneuver slowly, averaging approximately 5–15 mph, and that vehicles traveling on roadways would average 5–55 mph. This analysis also assumes that on-site truck idling would occur for approximately 15 minutes. In addition, to be conservative, this analysis assumes the use of emissions factors for the operational year of 2027.

19 LSA. 2025a. *Traffic Impact Analysis for the Western Realco Enterprise Way Industrial Project.* April.
20 Ibid.

The cumulative carcinogenic and chronic health risks from the proposed project along with Western Realco Projects 1 and 2 are shown in Table F. The residential risk conservatively incorporates both the risk for a child living in a nearby residence for 9 years (the standard period of time for child risk) and an adult living in a nearby residence for 30 years (considered a conservative period of time for an individual to live in any one residence). An exposure period of 25 years was assumed for worker receptors. Appendix D provides HRA model output sheets.

Table F: Cumulative Health Risks from Project Operation to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Residential MEI	4.43	0.002	<0.001
Worker MEI	2.16	0.007	<0.001
SCAQMD Significance Threshold	**10 in 1 million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: Compiled by LSA (June 2025).
MEI = maximally exposed individual
SCAQMD = South Coast Air Quality Management District

As shown in Table F, the maximum cumulative cancer risk for the residential MEI would be 4.43 in 1 million, which would not exceed the SCAQMD cancer risk threshold of 10 in 1 million. The worker MEI would be 2.16 in 1 million, which would also not exceed the threshold. The total chronic hazard index would be 0.002 for the residential MEI and 0.007 for the worker MEI, which is below the threshold of 1.0. In addition, the total acute hazard index would be less than 0.001, which would also not exceed the threshold of 1.0. As these results show, all health risk levels to nearby receptors from cumulative operation-related emissions of TACs would be well below the SCAQMD's HRA thresholds. No significant health risk would occur from cumulative operation emissions and no mitigation is required.

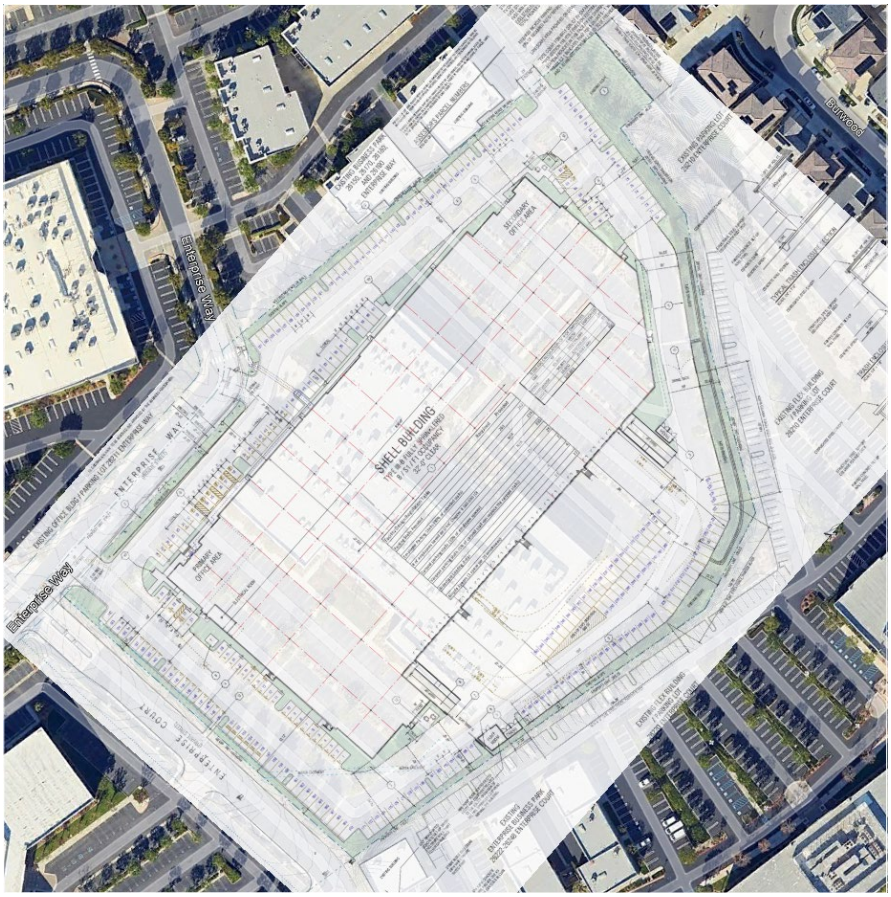
CONCLUSION

Based on the results of the analysis, including implementation of MM-1, health risk levels to nearby sensitive receptors from project-related emissions of TACs would be well below the SCAQMD's HRA thresholds. As compared to the project-level thresholds of significance promulgated by SCAQMD, the cumulative emissions associated with the proposed project with implementation of MM-1 combined with the mitigated emissions from Western Realco Projects 1 and 2 would not result in a significant impact on sensitive receptors during construction. In addition, cumulative operational emissions would be below the SCAQMD's HRA thresholds, and no mitigation is required.

APPENDIX A

HRA MODEL OUTPUT

Project Location

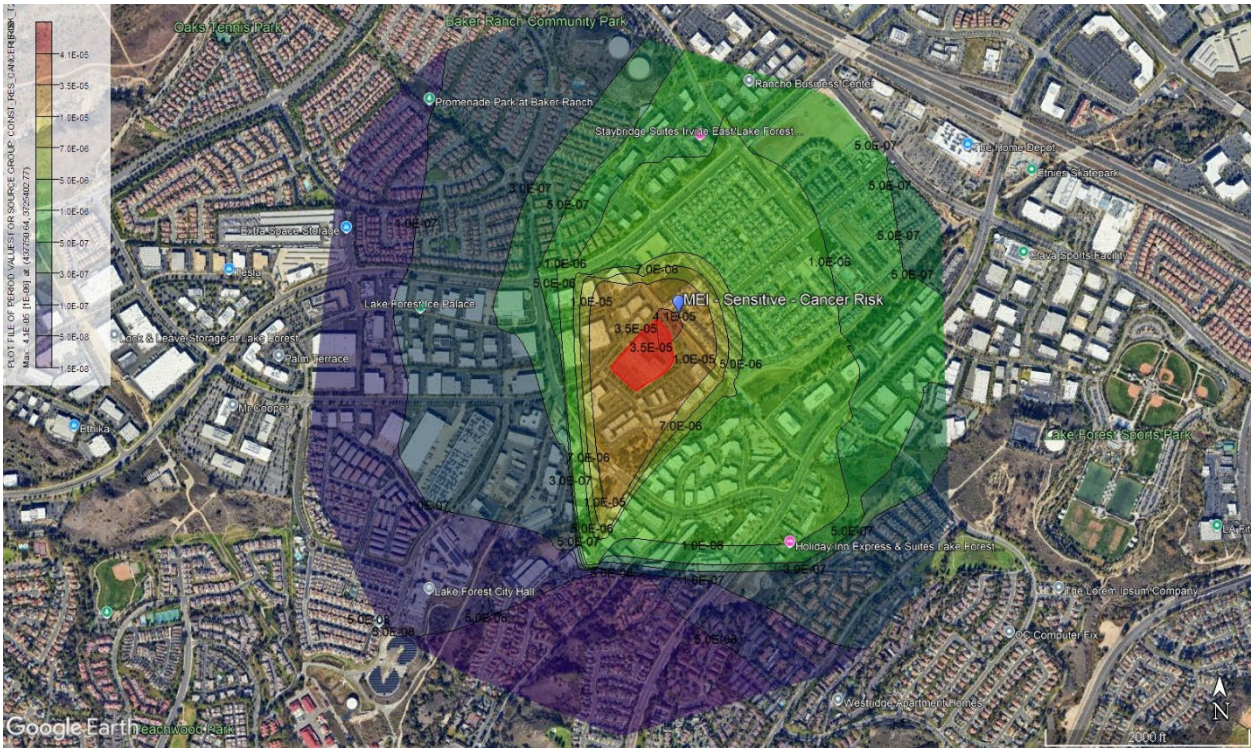


Receptor Grid

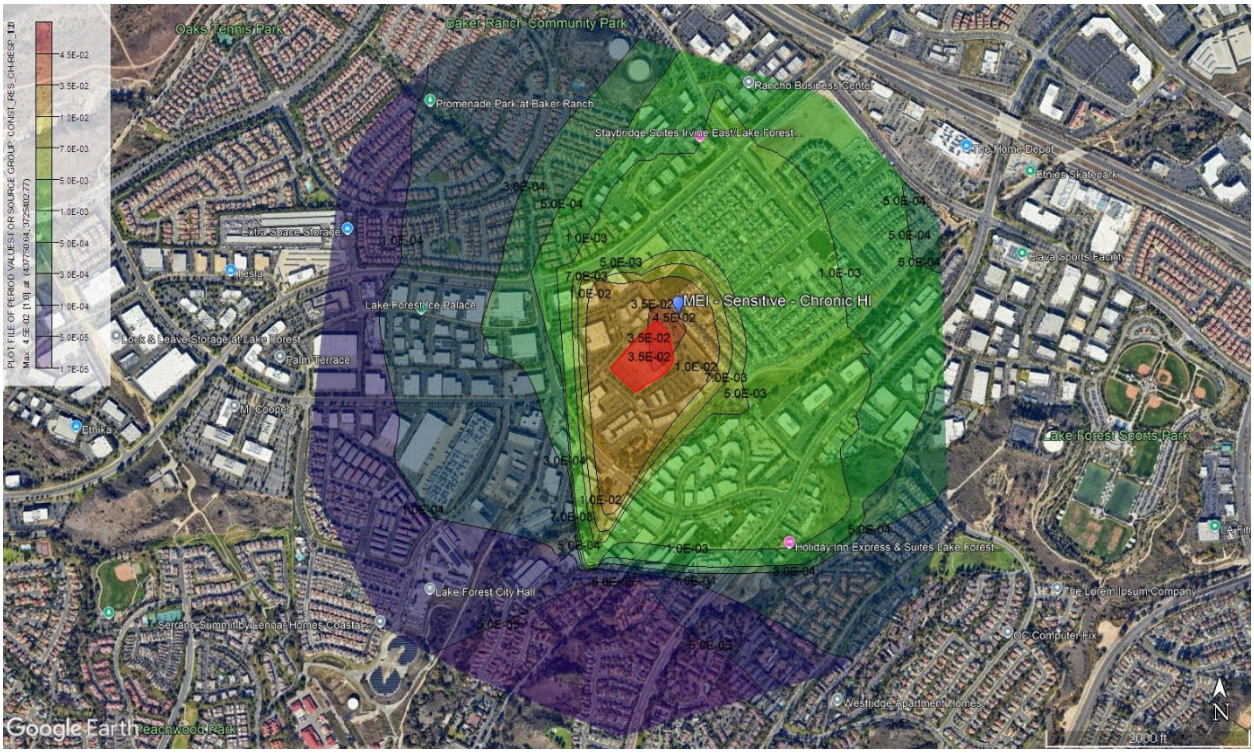


Unmitigated Construction Tier 2 HRA results

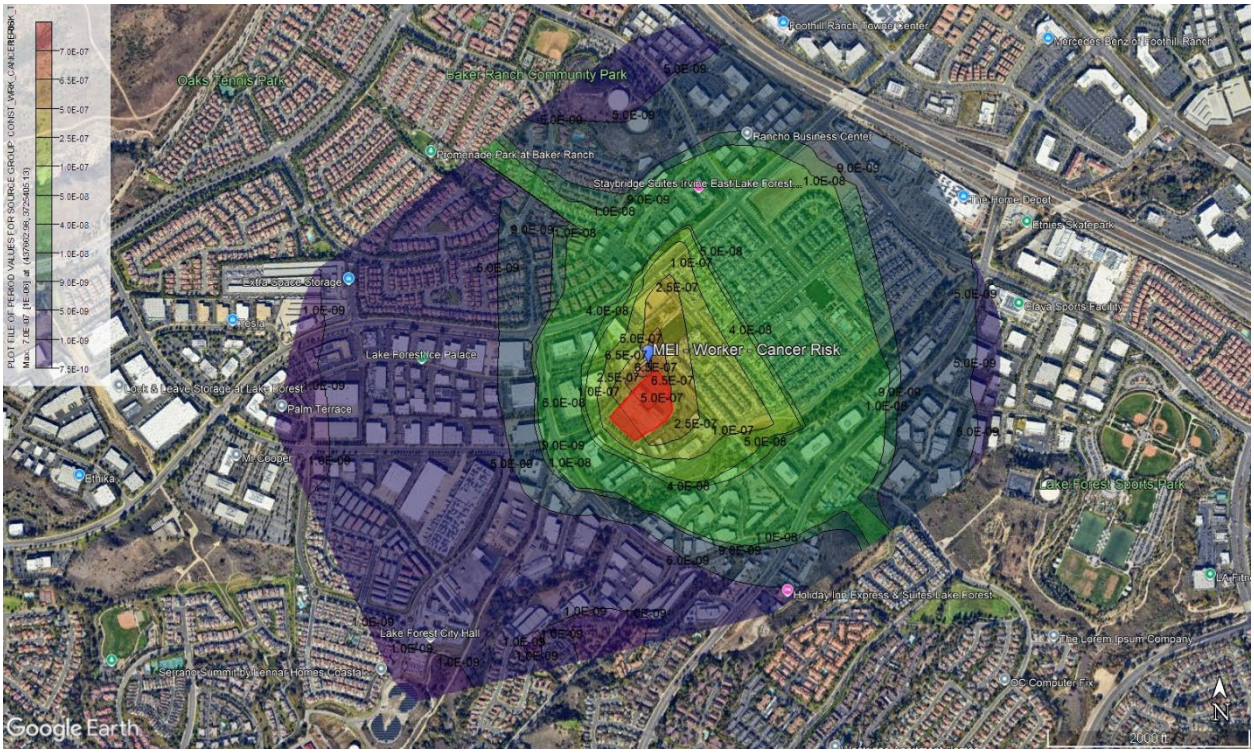
Construction Cancer Risk – Sensitive Receptor



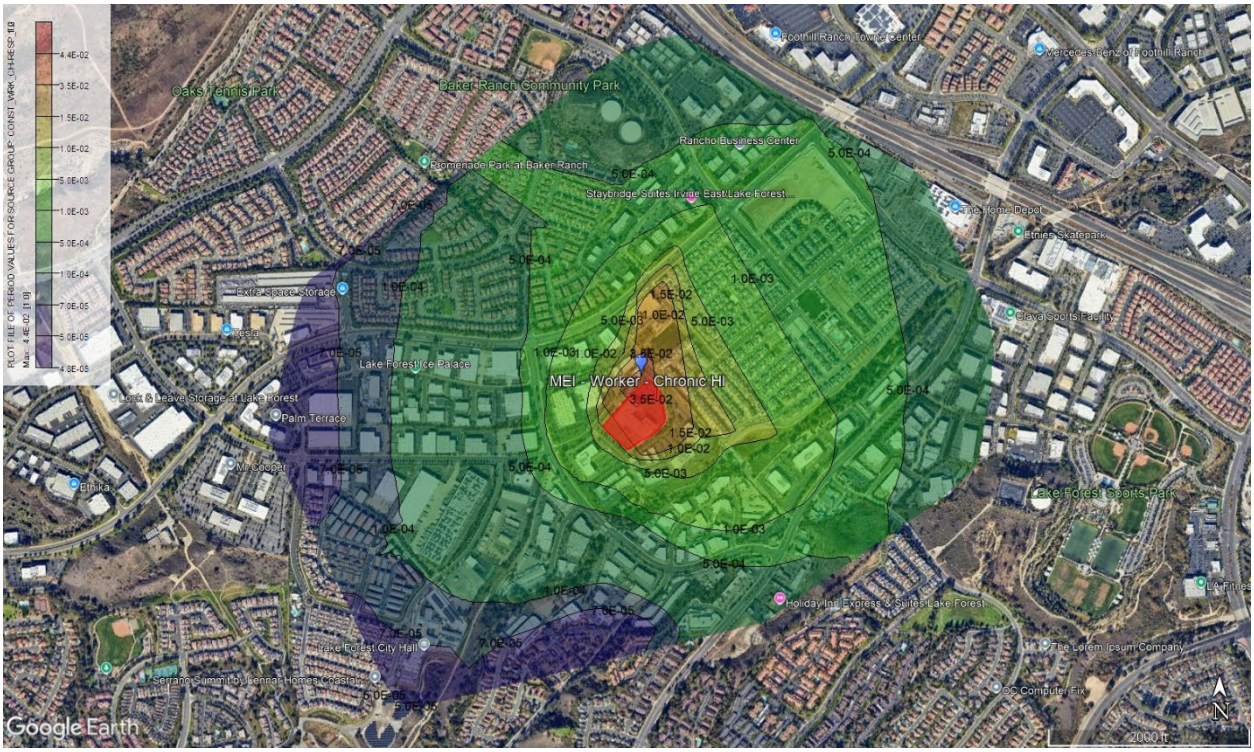
Construction Chronic Health Index – Sensitive Receptor



Construction Cancer Risk – Worker Receptor

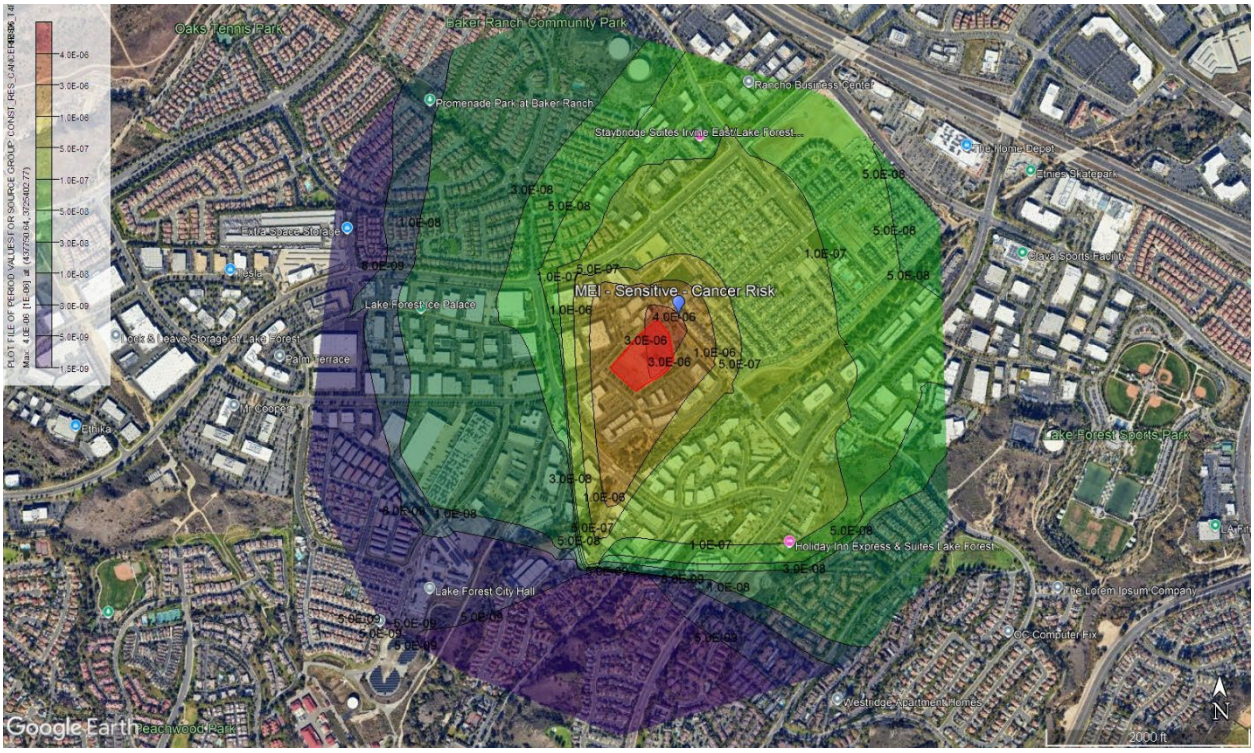


Construction Chronic Health Index – Worker Receptor

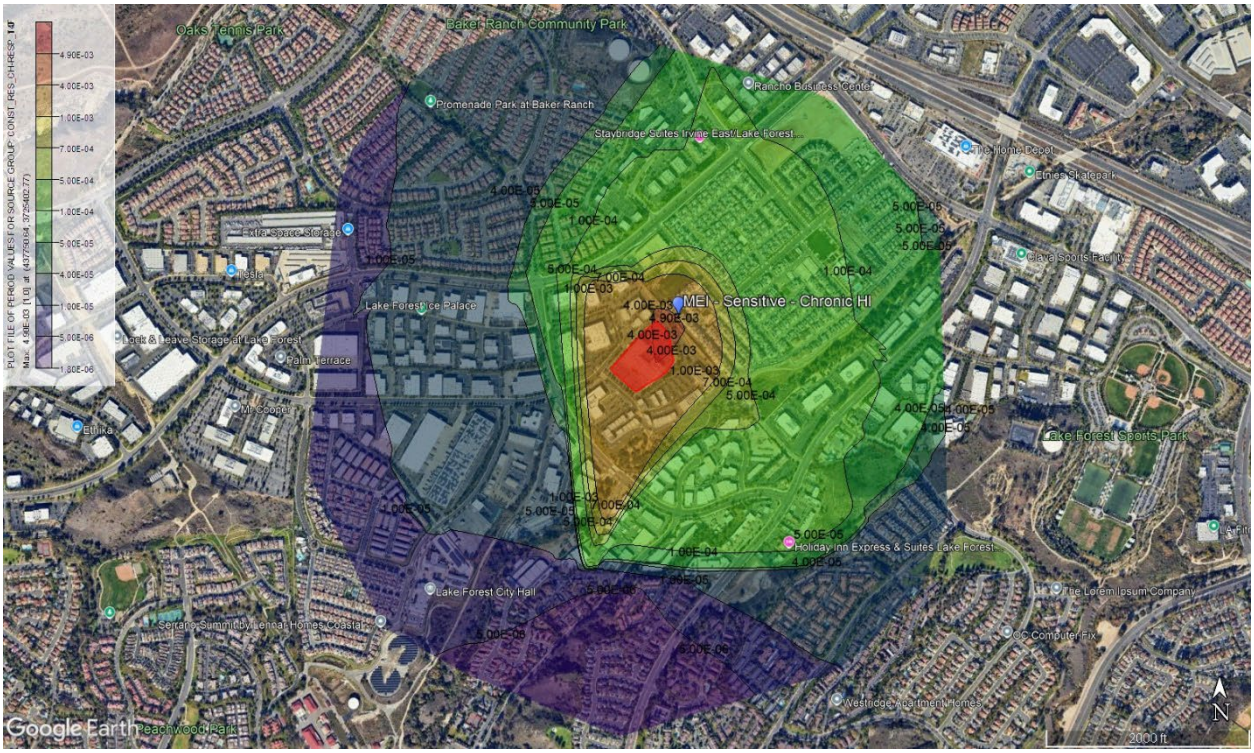


Mitigated Construction Tier 4 Final HRA results

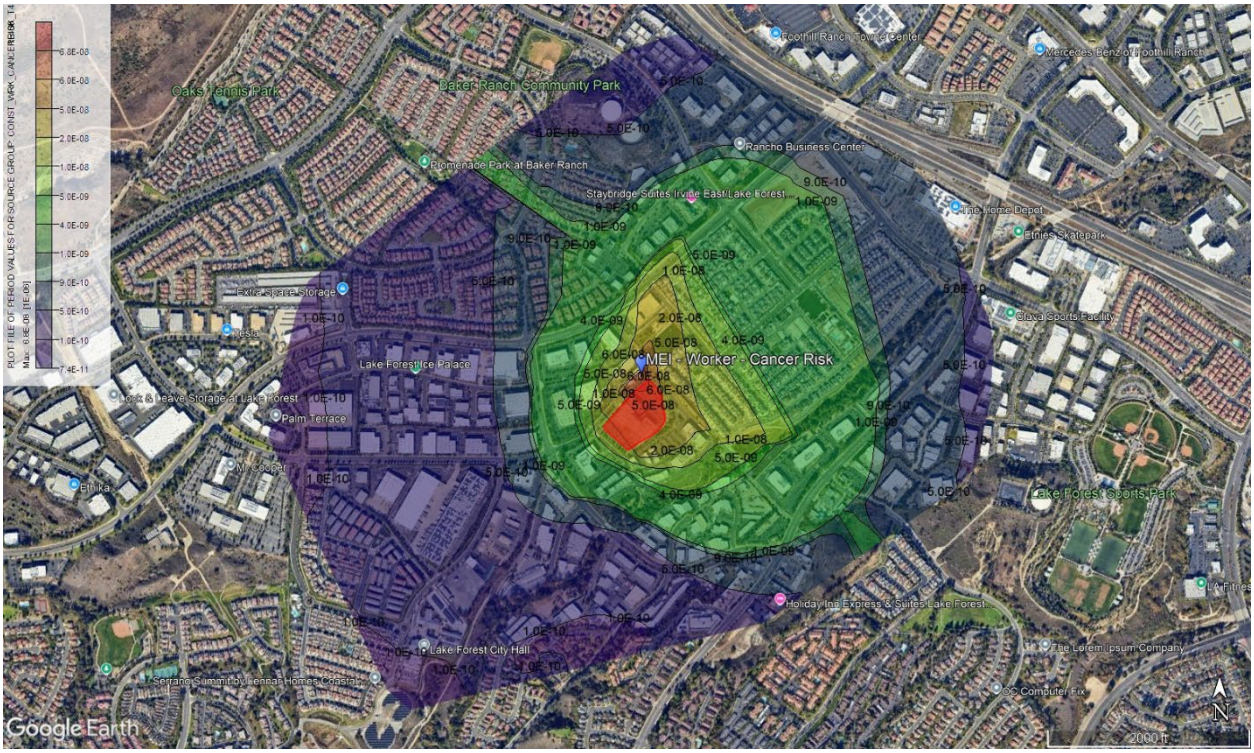
Construction Cancer Risk – Sensitive Receptor



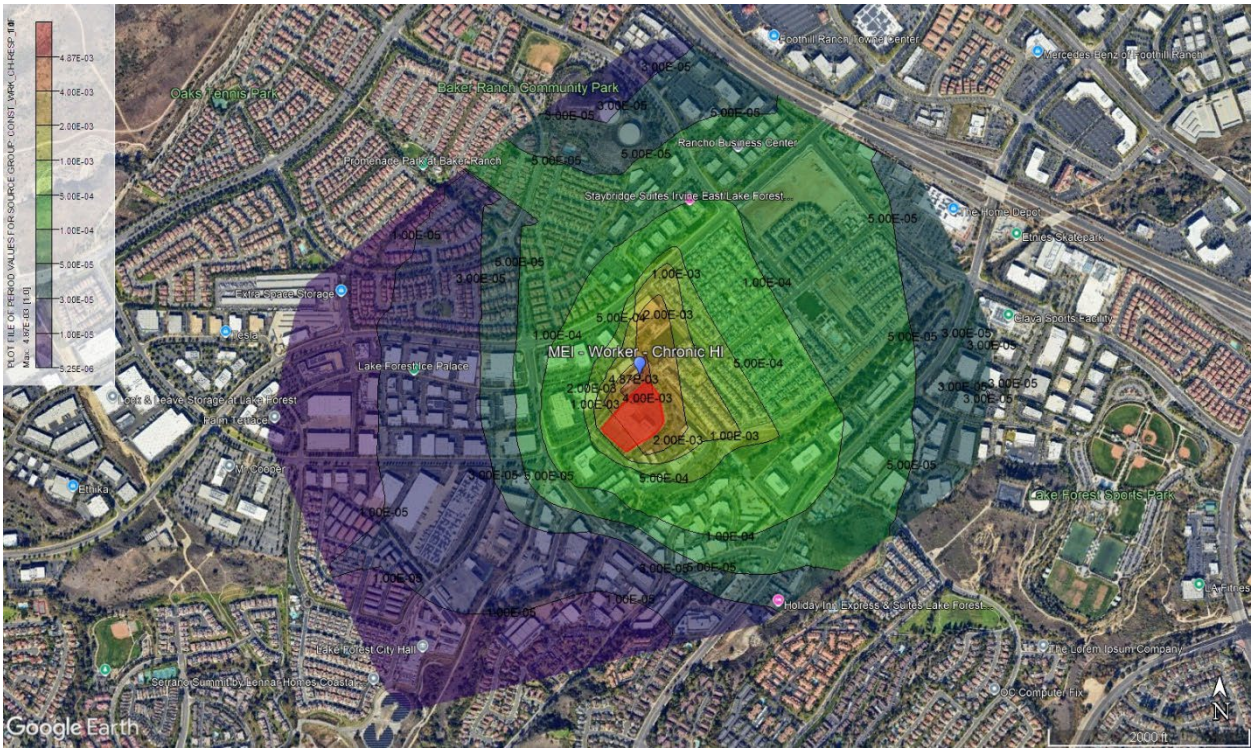
Construction Chronic Health Index – Sensitive Receptor



Construction Cancer Risk – Worker Receptor



Construction Chronic Health Index – Worker Receptor



Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 1870 X: 437750.64 Y: 3725402.77			
T2	T2L3	T3	T4f
40.66	7.54	39.93	3.99

MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 1870 X: 437750.64 Y: 3725402.77			
T2	T2L3	T3	T4f
4.48E-02	8.85E-03	4.76E-02	4.90E-03

MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T3	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (Sensitive) - PM 2.5 HARP Rec #: 1870 X: 437750.64 Y: 3725402.77			
T2	T2L3	T3	T4f
0.224	0.044	0.238	0.025

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 1029 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4f
0.70	0.13	0.68	0.07

MEI (Worker) - Chronic Hazard Index HARP Rec #: 1029 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4f
4.45E-02	8.79E-03	4.73E-02	4.87E-03

MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T3	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (Worker) - PM 2.5 HARP Rec #: 1029 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4f
0.223	0.044	0.236	0.024

Construction MEI (School) - Cancer Risk (in a Million) HARP Rec #: 1 X: 0 Y: 0			
T2	T2L3	T3	T4f
0.00	0.00	0.00	0.00

MEI (School) - Chronic Hazard Index HARP Rec #: 1 X: 0 Y: 0			
T2	T2L3	T3	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (School) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T3	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (School) - PM 2.5 HARP Rec #: 1 X: 0 Y: 0			
T2	T2L3	T3	T4f
0.0000	0.0000	0.0000	0.0000

Operational Sensitive Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
30 Yr Cancer Risk (in a Million)	1371	437598.9	3.06
		3725592.54	
70 Yr Cancer Risk (in a Million)	0	0	0.00
		0	
Chronic HI	1371	437598.9	1.05E-03
		3725592.54	
Acute HI	1371	437598.9	3.91E-05
		3725592.54	
PM 2.5	1371	437598.9	0.0052
		3725592.54	

Operational Worker Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
25 Yr Cancer Risk (in a Million)	290	437653.57	0.85
		3725159.91	
Chronic HI	290	437653.57	2.80E-03
		3725159.91	
Acute HI	290	437653.57	2.07E-04
		3725159.91	
PM 2.5	2690	437653.57	1.36E-02
		3725159.91	

Operational School Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
9 Yr Cancer Risk (in a Million)	0	0	0.00
		0	
Chronic HI	0	0	0.00E+00
		0	
Acute HI	0	0	0.00E+00
		0	
PM 2.5	0	0	0.0000
		0	

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	437750.64	3725402.77	33.66669299	-117.6714578
Construction	Sensitive	Chronic HI	437750.64	3725402.77	33.66669299	-117.6714578
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	437750.64	3725402.77	33.66669299	-117.6714578
Construction	School	Cancer Risk	0.00	0.00		
Construction	School	Chronic HI	0.00	0.00		
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	0.00	0.00		
Construction	Worker	Cancer Risk	437662.98	3725405.13	33.66670914	-117.6724035
Construction	Worker	Chronic HI	437662.98	3725405.13	33.66670914	-117.6724035
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	437662.98	3725405.13	33.66670914	-117.6724035
Operational	Sensitive	Cancer Risk 30 yr	437598.9	3725592.54	33.66839558	-117.6731078
Operational	Sensitive	Cancer Risk 70 yr	0	0		
Operational	Sensitive	Chronic HI	437598.9	3725592.54	33.66839558	-117.6731078
Operational	Sensitive	Acute HI	437598.9	3725592.54	33.66839558	-117.6731078
Operational	Sensitive	PM 2.5	437598.9	3725592.54	33.66839558	-117.6731078
Operational	Worker	Cancer Risk 25 yr	437653.57	3725159.91	33.664497	-117.6724878
Operational	Worker	Chronic HI	437653.57	3725159.91	33.664497	-117.6724878
Operational	Worker	Acute HI	437653.57	3725159.91	33.664497	-117.6724878
Operational	Worker	PM 2.5	437653.57	3725159.91	33.664497	-117.6724878
Operational	School	Cancer Risk 9 yr	0	0		
Operational	School	Chronic HI	0	0		
Operational	School	Acute HI	0	0		
Operational	School	PM 2.5	0	0		

General AERMOD Input Parameters

Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM not available**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**200**
	Grid 2	**20**	**200**
	Grid 3	**30**	**300**
	Grid 4	**40**	**400**
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**Mission Viejo**	
	Provided By	**South Coast AQMD**	
	Years	**2011 - 2014, 2016**	
	Elevation (m)	**170**	
	Link	https://www.aqmd.gov/docs/default-source/air-quality/meterorological-data/aermod-ready-meteorological-data/table-1-meteorological-sites/2017/MissionViejoADJU.zip?sfvrsn=8	
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**San Bernardino**	
	Urban Grouping / Pop	**Y**	**3,010,232**
	# of Worker Receptors	**3,305**	
	# of Sensitive Receptors	**3,432**	
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**22068.7**	
	Ht. of Source (m)	**3.048**	
Operational Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period / Hourly**	
	Dispersion Coefficient	**Urban**	
	Urban Grouping / Pop	**Y**	**3,010,232**
	# Worker Receptors	**3,305**	
	# Sensitive Receptors	**3,432**	
	# of School Receptors	**0**	

Diesel Truck Idling Parameters		
	Source Type	**Point**
	Stack Ht. (m)	**3.658**
	Stack Dia (m)	**0.044**
	Stack Temp (k)	**388.7**
	Velocity (m/s)	**25**
Diesel Truck Travel Parameters		
	Source Type	**Line Volume**
	Initial Vertical (m)	**1.42**
	Initial Lateral (m)	**2.84**
	Release Ht (m)	**Surface**
	Volume Length (m)	**Roadway Segment Specific**

General HARP Input Parameters		
Construction		
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 1 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

			T2		1874	T2L3			T3			T4f		
					4.07E-05			7.54E-06			3.99E-05			3.99E-06
					3725402.77									
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	437235.35	3725540.6	2.36E-07	4.74E-08	2.84E-07	4.67E-08	5.95E-09	5.26E-08	2.51E-07	2.76E-08	2.79E-07	2.59E-08	2.02E-09	2.79E-08
2	437200.39	3725546.56	1.96E-07	3.94E-08	2.35E-07	3.87E-08	4.94E-09	4.37E-08	2.08E-07	2.29E-08	2.31E-07	2.15E-08	1.68E-09	2.31E-08
3	437206.71	3725553.6	2.01E-07	4.03E-08	2.41E-07	3.97E-08	5.06E-09	4.48E-08	2.13E-07	2.35E-08	2.37E-07	2.20E-08	1.72E-09	2.37E-08
4	437213.03	3725560.64	2.06E-07	4.13E-08	2.47E-07	4.06E-08	5.18E-09	4.58E-08	2.18E-07	2.40E-08	2.42E-07	2.25E-08	1.76E-09	2.42E-08
5	437174.93	3725557.74	1.73E-07	3.47E-08	2.08E-07	3.42E-08	4.36E-09	3.85E-08	1.84E-07	2.02E-08	2.04E-07	1.89E-08	1.48E-09	2.04E-08
6	437171.8	3725548.87	1.72E-07	3.44E-08	2.06E-07	3.39E-08	4.33E-09	3.82E-08	1.82E-07	2.01E-08	2.02E-07	1.88E-08	1.47E-09	2.02E-08
7	437149.56	3725569.14	1.53E-07	3.07E-08	1.84E-07	3.02E-08	3.86E-09	3.41E-08	1.63E-07	1.79E-08	1.81E-07	1.68E-08	1.31E-09	1.81E-08
8	437146.47	3725560.39	1.52E-07	3.05E-08	1.83E-07	3.00E-08	3.83E-09	3.39E-08	1.62E-07	1.78E-08	1.79E-07	1.66E-08	1.30E-09	1.79E-08
9	437143.38	3725551.64	1.51E-07	3.03E-08	1.81E-07	2.98E-08	3.80E-09	3.36E-08	1.60E-07	1.76E-08	1.78E-07	1.65E-08	1.29E-09	1.78E-08
10	437155.74	3725586.65	1.55E-07	3.10E-08	1.86E-07	3.05E-08	3.90E-09	3.44E-08	1.64E-07	1.81E-08	1.82E-07	1.69E-08	1.32E-09	1.82E-08
11	437162.06	3725593.69	1.58E-07	3.17E-08	1.90E-07	3.12E-08	3.98E-09	3.52E-08	1.68E-07	1.85E-08	1.86E-07	1.73E-08	1.35E-09	1.86E-08
12	437168.38	3725600.73	1.62E-07	3.24E-08	1.94E-07	3.19E-08	4.07E-09	3.60E-08	1.72E-07	1.89E-08	1.91E-07	1.77E-08	1.38E-09	1.91E-08
13	437130.29	3725597.84	1.37E-07	2.75E-08	1.65E-07	2.71E-08	3.46E-09	3.06E-08	1.46E-07	1.60E-08	1.62E-07	1.50E-08	1.17E-09	1.62E-08
14	437120.92	3725571.31	1.35E-07	2.71E-08	1.62E-07	2.67E-08	3.41E-09	3.01E-08	1.44E-07	1.58E-08	1.59E-07	1.48E-08	1.16E-09	1.59E-08
15	437117.8	3725562.47	1.34E-07	2.70E-08	1.61E-07	2.65E-08	3.39E-09	2.99E-08	1.43E-07	1.57E-08	1.58E-07	1.47E-08	1.15E-09	1.58E-08
16	437114.68	3725553.62	1.34E-07	2.68E-08	1.60E-07	2.64E-08	3.37E-09	2.97E-08	1.42E-07	1.56E-08	1.57E-07	1.46E-08	1.14E-09	1.58E-08
17	437133.42	3725606.69	1.38E-07	2.77E-08	1.66E-07	2.73E-08	3.48E-09	3.07E-08	1.47E-07	1.61E-08	1.63E-07	1.51E-08	1.18E-09	1.63E-08
18	437139.74	3725613.73	1.41E-07	2.82E-08	1.69E-07	2.78E-08	3.54E-09	3.13E-08	1.49E-07	1.64E-08	1.66E-07	1.54E-08	1.20E-09	1.66E-08
19	437146.06	3725620.77	1.44E-07	2.88E-08	1.72E-07	2.83E-08	3.62E-09	3.20E-08	1.52E-07	1.68E-08	1.69E-07	1.57E-08	1.23E-09	1.69E-08
20	437108.01	3725617.99	1.25E-07	2.50E-08	1.50E-07	2.46E-08	3.14E-09	2.78E-08	1.32E-07	1.46E-08	1.47E-07	1.36E-08	1.06E-09	1.47E-08
21	437104.92	3725609.25	1.24E-07	2.49E-08	1.49E-07	2.45E-08	3.12E-09	2.76E-08	1.32E-07	1.45E-08	1.46E-07	1.36E-08	1.06E-09	1.46E-08
22	437101.83	3725600.51	1.23E-07	2.47E-08	1.48E-07	2.43E-08	3.11E-09	2.74E-08	1.31E-07	1.44E-08	1.45E-07	1.35E-08	1.05E-09	1.45E-08
23	437092.58	3725574.29	1.21E-07	2.43E-08	1.45E-07	2.39E-08	3.05E-09	2.70E-08	1.29E-07	1.42E-08	1.43E-07	1.32E-08	1.03E-09	1.43E-08
24	437089.49	3725565.55	1.20E-07	2.42E-08	1.45E-07	2.38E-08	3.03E-09	2.68E-08	1.28E-07	1.41E-08	1.42E-07	1.32E-08	1.03E-09	1.42E-08
25	437086.4	3725556.81	1.20E-07	2.40E-08	1.44E-07	2.37E-08	3.02E-09	2.67E-08	1.27E-07	1.40E-08	1.41E-07	1.31E-08	1.02E-09	1.41E-08
26	437085.65	3725637.94	1.14E-07	2.28E-08	1.37E-07	2.25E-08	2.87E-09	2.53E-08	1.21E-07	1.33E-08	1.34E-07	1.24E-08	9.72E-10	1.34E-08
27	437082.54	3725629.12	1.13E-07	2.27E-08	1.36E-07	2.24E-08	2.85E-09	2.52E-08	1.20E-07	1.32E-08	1.34E-07	1.24E-08	9.67E-10	1.34E-08
28	437079.42	3725620.3	1.13E-07	2.26E-08	1.35E-07	2.22E-08	2.84E-09	2.51E-08	1.20E-07	1.32E-08	1.33E-07	1.23E-08	9.62E-10	1.33E-08
29	437076.3	3725611.47	1.12E-07	2.25E-08	1.35E-07	2.21E-08	2.82E-09	2.50E-08	1.19E-07	1.31E-08	1.32E-07	1.23E-08	9.57E-10	1.32E-08
30	437073.19	3725602.65	1.11E-07	2.24E-08	1.34E-07	2.20E-08	2.81E-09	2.48E-08	1.18E-07	1.30E-08	1.31E-07	1.22E-08	9.52E-10	1.31E-08
31	437063.84	3725576.18	1.10E-07	2.20E-08	1.32E-07	2.17E-08	2.77E-09	2.45E-08	1.17E-07	1.28E-08	1.30E-07	1.20E-08	9.38E-10	1.30E-08
32	437060.72	3725567.35	1.09E-07	2.19E-08	1.31E-07	2.16E-08	2.76E-09	2.44E-08	1.16E-07	1.28E-08	1.29E-07	1.20E-08	9.34E-10	1.29E-08
33	437057.61	3725558.53	1.09E-07	2.18E-08	1.31E-07	2.15E-08	2.74E-09	2.42E-08	1.16E-07	1.27E-08	1.28E-07	1.19E-08	9.30E-10	1.28E-08
34	437101.41	3725660.85	1.18E-07	2.37E-08	1.42E-07	2.33E-08	2.98E-09	2.63E-08	1.26E-07	1.38E-08	1.39E-07	1.29E-08	1.01E-09	1.39E-08
35	437055.87	3725664.62	1.02E-07	2.04E-08	1.22E-07	2.00E-08	2.56E-09	2.26E-08	1.08E-07	1.19E-08	1.20E-07	1.11E-08	8.67E-10	1.20E-08
36	437052.74	3725655.75	1.01E-07	2.03E-08	1.22E-07	2.00E-08	2.55E-09	2.26E-08	1.08E-07	1.18E-08	1.19E-07	1.11E-08	8.65E-10	1.19E-08
37	437043.34	3725629.14	1.00E-07	2.01E-08	1.20E-07	1.98E-08	2.52E-09	2.23E-08	1.06E-07	1.17E-08	1.18E-07	1.09E-08	8.55E-10	1.18E-08
38	437040.21	3725620.27	9.96E-08	2.00E-08	1.20E-07	1.97E-08	2.51E-09	2.22E-08	1.06E-07	1.16E-08	1.17E-07	1.09E-08	8.50E-10	1.17E-08
39	437037.08	3725611.4	9.90E-08	1.99E-08	1.19E-07	1.96E-08	2.50E-09	2.21E-08	1.05E-07	1.16E-08	1.17E-07	1.08E-08	8.46E-10	1.17E-08
40	437033.95	3725602.54	9.86E-08	1.98E-08	1.18E-07	1.95E-08	2.48E-09	2.20E-08	1.05E-07	1.15E-08	1.16E-07	1.08E-08	8.42E-10	1.16E-08
41	437024.55	3725575.93	9.71E-08	1.95E-08	1.17E-07	1.92E-08	2.45E-09	2.16E-08	1.03E-07	1.14E-08	1.14E-07	1.06E-08	8.29E-10	1.15E-08
42	437021.42	3725567.06	9.66E-08	1.94E-08	1.16E-07	1.91E-08	2.43E-09	2.15E-08	1.03E-07	1.13E-08	1.14E-07	1.06E-08	8.25E-10	1.14E-08
43	437059	3725673.49	1.02E-07	2.04E-08	1.22E-07	2.01E-08	2.56E-09	2.26E-08	1.08E-07	1.19E-08	1.20E-07	1.11E-08	8.69E-10	1.20E-08
44	437026.09	3725691.3	9.15E-08	1.84E-08	1.10E-07	1.81E-08	2.31E-09	2.04E-08	9.72E-08	1.07E-08	1.08E-07	1.00E-08	7.82E-10	1.08E-08
45	437022.95	3725682.39	9.12E-08	1.83E-08	1.09E-07	1.80E-08	2.30E-09	2.03E-08	9.69E-08	1.07E-08	1.08E-07	9.97E-09	7.79E-10	1.08E-08
46	437019.8	3725673.48	9.08E-08	1.82E-08	1.09E-07	1.79E-08	2.29E-09	2.02E-08	9.65E-08	1.06E-08	1.07E-07	9.94E-09	7.76E-10	1.07E-08
47	437016.65	3725664.57	9.06E-08	1.82E-08	1.09E-07	1.79E-08	2.28E-09	2.02E-08	9.62E-08	1.06E-08	1.07E-07	9.91E-09	7.74E-10	1.07E-08
48	437013.51	3725655.66	9.03E-08	1.81E-08	1.08E-07	1.78E-08	2.27E-09	2.01E-08	9.59E-08	1.06E-08	1.06E-07	9.87E-09	7.71E-10	1.06E-08
49	437004.07	3725628.93	8.91E-08	1.79E-08	1.07E-07	1.76E-08	2.24E-09	1.98E-08	9.46E-08	1.04E-08	1.05E-07	9.75E-09	7.61E-10	1.05E-08
50	437000.92	3725620.02	8.87E-08	1.78E-08	1.06E-07	1.75E-08	2.23E-09	1.97E-08	9.42E-08	1.04E-08	1.05E-07	9.70E-09	7.57E-10	1.05E-08
51	436997.78	3725611.12	8.82E-08	1.77E-08	1.06E-07	1.74E-08	2.22E-09	1.97E-08	9.37E-08	1.03E-08	1.04E-07	9.65E-09	7.54E-10	1.04E-08
52	436994.63	3725602.21	8.78E-08	1.76E-08	1.05E-07	1.73E-08	2.21E-09	1.96E-08	9.33E-08	1.03E-08	1.04E-07	9.60E-09	7.50E-10	1.04E-08
53	436991.48	3725593.3	8.73E-08	1.75E-08	1.05E-07	1.72E-08	2.20E-09	1.94E-08	9.28E-08	1.02E-08	1.03E-07	9.55E-09	7.46E-10	1.03E-08
54	436988.34	3725584.39	8.68E-08	1.74E-08	1.04E-07	1.72E-08	2.19E-09	1.93E-08	9.22E-08	1.02E-08	1.02E-07	9.50E-09	7.42E-10	1.02E-08
55	436985.19	3725575.48	8.64E-08	1.73E-08	1.04E-07	1.71E-08	2.18E-09	1.92E-08	9.18E-08	1.01E-08	1.02E-07	9.45E-09	7.38E-10	1.02E-08
56	436982.04	3725566.57	8.59E-08	1.72E-08	1.03E-07	1.70E-08	2.17E-09	1.91E-08	9.13E-08	1.00E-08	1.01E-07	9.40E-09	7.34E-10	1.01E-08
57	437029.24	3725700.21	9.20E-08	1.85E-08	1.10E-07	1.82E-08	2.32E-09	2.05E-08	9.77E-08	1.08E-08	1.08E-07	1.01E-08	7.85E-10	1.08E-08
58	437035.56	3725707.25	9.31E-08	1.87E-08	1.12E-07	1.84E-08	2.35E-09	2.07E-08	9.89E-08	1.09E-08	1.10E-07	1.02E-08	7.95E-10	1.10E-08
59	437041.88	3725714.29	9.42E-08	1.89E-08	1.13E-07	1.86E-08	2.37E-09	2.10E-08	1.00E-07	1.10E-08	1.11E-07	1.03E-08	8.05E-10	1.11E-08
60	436993.26	3725709.34	8.40E-08	1.69E-08	1.01E-07	1.66E-08	2.12E-09	1.87E-08	8.92E-08	9.82E-09	9.91E-08	9.19E-09	7.18E-10	9.91E-09
61	436990.16	3725700.55	8.37E-08	1.68E-08	1.01E-07	1.65E-08	2.11E-09	1.86E-08	8.89E-08	9.79E-09	9.87E-08	9.16E-09	7.15E-10	9.87E-09
62	436987.05	3725691.76	8.35E-08	1.67E-08	1.00E-07	1.65E-08	2.10E-09	1.86E-08	8.87E-08	9.76E-09	9.84E-08	9.13E-09	7.13E-10	9.84E-09
63	436983.95	3725682.96	8.31E-08	1.67E-08	9.98E-08	1.64E-08	2.09E-09	1.85E-08	8.83E-08	9.72E-09	9.80E-08	9.09E-09	7.10E-10	9.80E-09
64	436980.84	3725674.17	8.28E-08	1.66E-08	9.94E-08	1.64E-08	2.09E-09	1.84E-08	8.79E-08	9.68E-09	9.76E-08	9.06E-09	7.07E-10	9.76E-09
65	436977.73	3725665.37	8.25E-08	1.65E-08	9.90E-08	1.63E-08	2.08E-09	1.84E-08	8.76E-08	9.64E-09	9.72E-08	9.02E-09	7.04E-10	9.73E-09
66	436974.63	3725656.58	8.22E-08	1.65E-08	9.87E-08	1.62E-08	2.07E-09	1.83E-08	8.73E-08	9.61E-09	9.69E-08	8.99E-09	7.02E-10	9.69E-09
67	436971.52	3725647.79	8.17E-08	1.64E-08	9.81E-08	1.61E-08	2.06E-09	1.82E-08	8.68E-08	9.55E-09	9.63E-08	8.94E-09	6.98E-10	9.63E-09
68	436962.21	3725621.4	8.01E-08	1.61E-08	9.62E-08	1.58E-08	2.02E-09	1.78E-08	8.51E-08	9.37E-09	9.45E-08	8.76E-09	6.84E-10	9.45E-09
69	436959.1	3725612.61	7.97E-08	1.60E-08	9.57E-08	1.57E-08	2.01E-09	1.78E-08	8.47E-08	9.32E-09	9.40E-08	8.72E-09	6.81E-10	9.40E-09
70	436956	3725603.82	7.92E-08	1.59E-08	9.51E-08	1.56E-08	2.00E-09	1.76E-08	8.42E-08	9.26E-09	9.34E-08	8.67E-09	6.77E-10	9.34E-09
71	436952.89	3725595.02	7.87E-08	1.58E-08	9.45E-08	1.55E-08	1.98E-09	1.75E-08	8.36E-08	9.20E-09	9.28E-08	8.61E-09	6.72E-10	9.28E-09
72	436949.78	3725586.23	7.82E-08	1.57E-08	9.39E-08	1.54E-08	1.97E-09	1.74E-08	8.31E-08	9.14E-09	9.22E-08	8.55E-09	6.68E-10	9.22E-09
73	436946.68	3725577.43	7.77E-08	1.56E-08	9.33E-08	1.54E-08	1.96E-09	1.73E-08	8.26E-08	9.09E-09	9.16E-08	8.50E-09	6.64E-10	9.17E-09

74	436943.57	3725568.64	7.72E-08	1.55E-08	9.27E-08	1.53E-08	1.95E-09	1.72E-08	8.21E-08	9.03E-09	9.11E-08	8.45E-09	6.60E-10	9.11E-09
75	437004.81	3724812.38	7.36E-08	1.48E-08	8.84E-08	1.45E-08	1.85E-09	1.64E-08	7.82E-08	8.61E-09	8.68E-08	8.05E-09	6.29E-10	8.68E-09
76	437008.83	3724803.96	7.29E-08	1.46E-08	8.75E-08	1.44E-08	1.84E-09	1.62E-08	7.74E-08	8.53E-09	8.60E-08	7.98E-09	6.23E-10	8.60E-09
77	437012.84	3724795.54	7.23E-08	1.45E-08	8.68E-08	1.43E-08	1.82E-09	1.61E-08	7.68E-08	8.46E-09	8.53E-08	7.91E-09	6.18E-10	8.53E-09
78	437016.85	3724787.13	7.18E-08	1.44E-08	8.63E-08	1.42E-08	1.81E-09	1.60E-08	7.63E-08	8.40E-09	8.47E-08	7.86E-09	6.14E-10	8.47E-09
79	436954.11	3725709.49	7.71E-08	1.55E-08	9.26E-08	1.52E-08	1.94E-09	1.72E-08	8.19E-08	9.02E-09	9.10E-08	8.44E-09	6.59E-10	9.10E-09
80	436950.99	3725700.65	7.69E-08	1.54E-08	9.23E-08	1.52E-08	1.94E-09	1.71E-08	8.17E-08	8.99E-09	9.06E-08	8.41E-09	6.57E-10	9.07E-09
81	436947.87	3725691.82	7.67E-08	1.54E-08	9.20E-08	1.51E-08	1.93E-09	1.71E-08	8.14E-08	8.96E-09	9.04E-08	8.39E-09	6.55E-10	9.04E-09
82	436944.75	3725682.99	7.64E-08	1.53E-08	9.17E-08	1.51E-08	1.93E-09	1.70E-08	8.12E-08	8.93E-09	9.01E-08	8.36E-09	6.53E-10	9.01E-09
83	436941.63	3725674.15	7.60E-08	1.52E-08	9.12E-08	1.50E-08	1.91E-09	1.69E-08	8.07E-08	8.88E-09	8.96E-08	8.31E-09	6.49E-10	8.96E-09
84	436938.51	3725665.32	7.55E-08	1.51E-08	9.06E-08	1.49E-08	1.90E-09	1.68E-08	8.02E-08	8.83E-09	8.90E-08	8.26E-09	6.45E-10	8.90E-09
85	436935.39	3725656.49	7.49E-08	1.50E-08	8.99E-08	1.48E-08	1.89E-09	1.67E-08	7.96E-08	8.76E-09	8.83E-08	8.19E-09	6.40E-10	8.83E-09
86	436932.27	3725647.65	7.42E-08	1.49E-08	8.91E-08	1.47E-08	1.87E-09	1.65E-08	7.88E-08	8.68E-09	8.75E-08	8.12E-09	6.34E-10	8.75E-09
87	436929.15	3725638.82	7.36E-08	1.48E-08	8.83E-08	1.45E-08	1.85E-09	1.64E-08	7.81E-08	8.60E-09	8.67E-08	8.05E-09	6.28E-10	8.68E-09
88	436919.8	3725612.32	7.18E-08	1.44E-08	8.62E-08	1.42E-08	1.81E-09	1.60E-08	7.62E-08	8.39E-09	8.46E-08	7.85E-09	6.13E-10	8.46E-09
89	436916.68	3725603.48	7.13E-08	1.43E-08	8.55E-08	1.41E-08	1.80E-09	1.59E-08	7.57E-08	8.33E-09	8.40E-08	7.79E-09	6.09E-10	8.40E-09
90	436913.56	3725594.65	7.08E-08	1.42E-08	8.50E-08	1.40E-08	1.78E-09	1.58E-08	7.52E-08	8.28E-09	8.35E-08	7.74E-09	6.05E-10	8.35E-09
91	436910.44	3725585.82	7.04E-08	1.41E-08	8.45E-08	1.39E-08	1.77E-09	1.57E-08	7.47E-08	8.23E-09	8.30E-08	7.70E-09	6.01E-10	8.30E-09
92	436907.32	3725576.98	6.99E-08	1.40E-08	8.40E-08	1.38E-08	1.76E-09	1.56E-08	7.43E-08	8.18E-09	8.25E-08	7.65E-09	5.97E-10	8.25E-09
93	436889.14	3724969.19	6.49E-08	1.30E-08	7.79E-08	1.28E-08	1.64E-09	1.45E-08	6.89E-08	7.59E-09	7.65E-08	7.10E-09	5.54E-10	7.65E-09
94	436893.17	3724960.73	6.52E-08	1.31E-08	7.83E-08	1.29E-08	1.64E-09	1.45E-08	6.92E-08	7.62E-09	7.69E-08	7.13E-09	5.57E-10	7.69E-09
95	436897.2	3724952.27	6.54E-08	1.31E-08	7.85E-08	1.29E-08	1.65E-09	1.46E-08	6.94E-08	7.64E-09	7.71E-08	7.15E-09	5.58E-10	7.71E-09
96	436901.23	3724943.82	6.56E-08	1.32E-08	7.87E-08	1.29E-08	1.65E-09	1.46E-08	6.96E-08	7.67E-09	7.73E-08	7.17E-09	5.60E-10	7.73E-09
97	436905.26	3724935.36	6.58E-08	1.32E-08	7.90E-08	1.30E-08	1.66E-09	1.46E-08	6.99E-08	7.69E-09	7.76E-08	7.20E-09	5.62E-10	7.76E-09
98	436909.29	3724926.9	6.63E-08	1.33E-08	7.95E-08	1.31E-08	1.67E-09	1.48E-08	7.04E-08	7.75E-09	7.81E-08	7.25E-09	5.66E-10	7.81E-09
99	436913.32	3724918.45	6.67E-08	1.34E-08	8.01E-08	1.32E-08	1.68E-09	1.49E-08	7.08E-08	7.80E-09	7.86E-08	7.30E-09	5.70E-10	7.87E-09
100	436917.35	3724909.99	6.71E-08	1.35E-08	8.06E-08	1.33E-08	1.69E-09	1.49E-08	7.13E-08	7.85E-09	7.91E-08	7.34E-09	5.73E-10	7.91E-09
101	436921.38	3724901.53	6.74E-08	1.35E-08	8.09E-08	1.33E-08	1.70E-09	1.50E-08	7.16E-08	7.88E-09	7.95E-08	7.37E-09	5.76E-10	7.95E-09
102	436925.41	3724893.08	6.75E-08	1.36E-08	8.11E-08	1.33E-08	1.70E-09	1.50E-08	7.17E-08	7.90E-09	7.96E-08	7.39E-09	5.77E-10	7.97E-09
103	436929.44	3724884.62	6.76E-08	1.36E-08	8.12E-08	1.34E-08	1.70E-09	1.51E-08	7.19E-08	7.91E-09	7.98E-08	7.40E-09	5.78E-10	7.98E-09
104	436933.47	3724876.16	6.81E-08	1.37E-08	8.18E-08	1.34E-08	1.72E-09	1.52E-08	7.23E-08	7.96E-09	8.03E-08	7.45E-09	5.82E-10	8.03E-09
105	436937.5	3724867.7	6.86E-08	1.38E-08	8.24E-08	1.36E-08	1.73E-09	1.53E-08	7.29E-08	8.03E-09	8.09E-08	7.51E-09	5.86E-10	8.10E-09
106	436941.53	3724859.25	6.92E-08	1.39E-08	8.30E-08	1.37E-08	1.74E-09	1.54E-08	7.35E-08	8.09E-09	8.15E-08	7.57E-09	5.91E-10	8.16E-09
107	436945.56	3724850.79	6.96E-08	1.40E-08	8.36E-08	1.37E-08	1.75E-09	1.55E-08	7.39E-08	8.14E-09	8.21E-08	7.61E-09	5.94E-10	8.21E-09
108	436949.59	3724842.33	6.97E-08	1.40E-08	8.37E-08	1.38E-08	1.76E-09	1.55E-08	7.41E-08	8.16E-09	8.22E-08	7.63E-09	5.96E-10	8.23E-09
109	436953.62	3724833.88	6.95E-08	1.39E-08	8.34E-08	1.37E-08	1.75E-09	1.55E-08	7.38E-08	8.13E-09	8.19E-08	7.60E-09	5.94E-10	8.20E-09
110	436957.65	3724825.42	6.91E-08	1.39E-08	8.29E-08	1.36E-08	1.74E-09	1.54E-08	7.34E-08	8.08E-09	8.15E-08	7.56E-09	5.90E-10	8.15E-09
111	436961.68	3724816.96	6.85E-08	1.38E-08	8.23E-08	1.35E-08	1.73E-09	1.53E-08	7.28E-08	8.01E-09	8.08E-08	7.50E-09	5.85E-10	8.08E-09
112	436965.71	3724808.51	6.79E-08	1.36E-08	8.16E-08	1.34E-08	1.71E-09	1.51E-08	7.22E-08	7.95E-09	8.01E-08	7.43E-09	5.80E-10	8.01E-09
113	436969.74	3724800.05	6.73E-08	1.35E-08	8.08E-08	1.33E-08	1.70E-09	1.50E-08	7.15E-08	7.87E-09	7.94E-08	7.36E-09	5.75E-10	7.94E-09
114	436973.77	3724791.59	6.66E-08	1.34E-08	8.00E-08	1.32E-08	1.68E-09	1.48E-08	7.08E-08	7.79E-09	7.86E-08	7.29E-09	5.69E-10	7.86E-09
115	436977.8	3724783.14	6.60E-08	1.32E-08	7.93E-08	1.30E-08	1.66E-09	1.47E-08	7.01E-08	7.72E-09	7.79E-08	7.22E-09	5.64E-10	7.79E-09
116	436981.83	3724774.68	6.57E-08	1.32E-08	7.89E-08	1.30E-08	1.66E-09	1.46E-08	6.98E-08	7.68E-09	7.75E-08	7.19E-09	5.61E-10	7.75E-09
117	436985.86	3724766.22	6.53E-08	1.31E-08	7.84E-08	1.29E-08	1.65E-09	1.46E-08	6.94E-08	7.64E-09	7.70E-08	7.15E-09	5.58E-10	7.71E-09
118	436976.03	3725760.69	7.91E-08	1.59E-08	9.50E-08	1.56E-08	1.99E-09	1.76E-08	8.40E-08	9.25E-09	9.33E-08	8.66E-09	6.76E-10	9.33E-09
119	436982.35	3725767.73	8.00E-08	1.60E-08	9.60E-08	1.58E-08	2.01E-09	1.78E-08	8.49E-08	9.35E-09	9.43E-08	8.75E-09	6.83E-10	9.43E-09
120	436936.81	3725771.5	7.27E-08	1.46E-08	8.73E-08	1.44E-08	1.83E-09	1.62E-08	7.72E-08	8.50E-09	8.58E-08	7.96E-09	6.21E-10	8.58E-09
121	436933.68	3725762.64	7.25E-08	1.45E-08	8.70E-08	1.43E-08	1.83E-09	1.61E-08	7.70E-08	8.47E-09	8.54E-08	7.93E-09	6.19E-10	8.55E-09
122	436930.55	3725753.77	7.22E-08	1.45E-08	8.67E-08	1.43E-08	1.82E-09	1.61E-08	7.67E-08	8.44E-09	8.51E-08	7.90E-09	6.17E-10	8.52E-09
123	436911.75	3725700.55	7.14E-08	1.43E-08	8.57E-08	1.41E-08	1.80E-09	1.59E-08	7.58E-08	8.35E-09	8.41E-08	7.81E-09	6.10E-10	8.42E-09
124	436908.62	3725691.68	7.13E-08	1.43E-08	8.56E-08	1.41E-08	1.80E-09	1.59E-08	7.58E-08	8.34E-09	8.41E-08	7.80E-09	6.09E-10	8.41E-09
125	436905.49	3725682.81	7.10E-08	1.42E-08	8.52E-08	1.40E-08	1.79E-09	1.58E-08	7.54E-08	8.30E-09	8.37E-08	7.77E-09	6.06E-10	8.37E-09
126	436902.36	3725673.94	7.02E-08	1.41E-08	8.43E-08	1.39E-08	1.77E-09	1.56E-08	7.46E-08	8.21E-09	8.28E-08	7.68E-09	6.00E-10	8.28E-09
127	436899.23	3725665.07	6.94E-08	1.39E-08	8.33E-08	1.37E-08	1.75E-09	1.55E-08	7.37E-08	8.11E-09	8.18E-08	7.59E-09	5.93E-10	8.18E-09
128	436883.56	3725620.73	6.57E-08	1.32E-08	7.89E-08	1.30E-08	1.66E-09	1.46E-08	6.98E-08	7.68E-09	7.75E-08	7.19E-09	5.61E-10	7.75E-09
129	436880.43	3725611.86	6.53E-08	1.31E-08	7.84E-08	1.29E-08	1.65E-09	1.45E-08	6.94E-08	7.64E-09	7.70E-08	7.14E-09	5.58E-10	7.70E-09
130	436877.3	3725602.99	6.49E-08	1.30E-08	7.79E-08	1.28E-08	1.64E-09	1.45E-08	6.89E-08	7.59E-09	7.65E-08	7.10E-09	5.54E-10	7.65E-09
131	436874.17	3725594.12	6.45E-08	1.29E-08	7.75E-08	1.27E-08	1.63E-09	1.44E-08	6.85E-08	7.55E-09	7.61E-08	7.06E-09	5.51E-10	7.61E-09
132	436871.04	3725585.25	6.41E-08	1.29E-08	7.69E-08	1.27E-08	1.61E-09	1.43E-08	6.81E-08	7.49E-09	7.56E-08	7.01E-09	5.47E-10	7.56E-09
133	436867.9	3725576.38	6.37E-08	1.28E-08	7.65E-08	1.26E-08	1.60E-09	1.42E-08	6.76E-08	7.45E-09	7.51E-08	6.97E-09	5.44E-10	7.51E-09
134	436833.47	3725000.09	5.90E-08	1.18E-08	7.09E-08	1.17E-08	1.49E-09	1.32E-08	6.27E-08	6.90E-09	6.96E-08	6.46E-09	5.04E-10	6.96E-09
135	436837.52	3724991.6	5.95E-08	1.19E-08	7.14E-08	1.17E-08	1.50E-09	1.32E-08	6.32E-08	6.96E-09	7.01E-08	6.51E-09	5.08E-10	7.02E-09
136	436841.56	3724983.11	6.00E-08	1.20E-08	7.20E-08	1.18E-08	1.51E-09	1.34E-08	6.37E-08	7.01E-09	7.07E-08	6.56E-09	5.12E-10	7.07E-09
137	436845.61	3724974.62	6.04E-08	1.21E-08	7.25E-08	1.19E-08	1.52E-09	1.35E-08	6.42E-08	7.06E-09	7.12E-08	6.61E-09	5.16E-10	7.12E-09
138	436849.65	3724966.12	6.08E-08	1.22E-08	7.30E-08	1.20E-08	1.53E-09	1.35E-08	6.46E-08	7.11E-09	7.17E-08	6.65E-09	5.19E-10	7.17E-09
139	436853.7	3724957.63	6.12E-08	1.23E-08	7.35E-08	1.21E-08	1.54E-09	1.36E-08	6.50E-08	7.15E-09	7.21E-08	6.69E-09	5.23E-10	7.22E-09
140	436857.75	3724949.14	6.16E-08	1.24E-08	7.39E-08	1.22E-08	1.55E-09	1.37E-08	6.54E-08	7.20E-09	7.26E-08	6.74E-09	5.26E-10	7.26E-09
141	436861.79	3724940.65	6.20E-08	1.24E-08	7.44E-08	1.22E-08	1.56E-09	1.38E-08	6.58E-08	7.24E-09	7.30E-08	6.78E-09	5.29E-10	7.31E-09
142	436865.84	3724932.16	6.23E-08	1.25E-08	7.48E-08	1.23E-08	1.57E-09	1.39E-08	6.62E-08	7.29E-09	7.35E-08	6.82E-09	5.32E-10	7.35E-09
143	436869.89	3724923.67	6.26E-08	1.26E-08	7.51E-08	1.24E-08	1.58E-09	1.39E-08	6.65E-08	7.32E-09	7.38E-08	6.85E-09	5.35E-10	7.38E-09
144	436873.93	3724915.18	6.28E-08	1.26E-08	7.54E-08	1.24E-08	1.58E-09	1.40E-08	6.67E-08	7.34E-09	7.40E-08	6.87E-09	5.36E-10	7.40E-09
145	436877.98	3724906.69	6.30E-08	1.26E-08	7.57E-08	1.24E-08	1.59E-09	1.40E-08	6.69E-08	7.37E-09	7.43E-08	6.89E-09	5.38E-10	7.43E-09
146	436882.03	3724898.2	6.33E-08	1.27E-08	7.60E-08	1.25E-08	1.59E-09	1.41E-08	6.72E-08	7.40E-09	7.46E-08	6.92E-09	5.40E-10	7.46E-09
147	436886.07	3724889.7	6.35E-08	1.27E-08	7.63E-08	1.25E-08	1.60E-09	1.41E-08	6.75E-08	7.43E-09	7.49E-08	6.95E-09	5.43E-10	7.49E-09
148	436890.12	3724881.21	6.37E-08	1.28E-08	7.65E-08	1.26E-08	1.61E-09	1.42E-08	6.77E-08	7.45E-09	7.51E-08	6.97E-09	5.44E-10	7.51E-09
149	436894.16	3724872.72	6.39E-08	1.28E-08	7.67E-08	1.26E-08	1.61E-09	1.42E-08	6.79E-08	7.47E-09	7.53E-08	6.99E-09	5.46E-10	7.54E-09
150	436898.21	3724864.23	6.41E-08	1.29E-08	7.69E-08	1.27E-08	1.61E-09	1.43E-08	6.81E-08	7.49E-09	7.56E-08	7.01E-09	5.47E-10	7.56E-09

151	436902.26	3724855.74	6.43E-08	1.29E-08	7.72E-08	1.27E-08	1.62E-09	1.43E-08	6.83E-08	7.52E-09	7.58E-08	7.03E-09	5.49E-10	7.58E-09
152	436906.3	3724847.25	6.45E-08	1.29E-08	7.74E-08	1.27E-08	1.62E-09	1.44E-08	6.85E-08	7.54E-09	7.60E-08	7.05E-09	5.51E-10	7.61E-09
153	436910.35	3724838.76	6.45E-08	1.29E-08	7.75E-08	1.27E-08	1.63E-09	1.44E-08	6.85E-08	7.55E-09	7.61E-08	7.06E-09	5.51E-10	7.61E-09
154	436914.4	3724830.27	6.44E-08	1.29E-08	7.73E-08	1.27E-08	1.62E-09	1.43E-08	6.84E-08	7.53E-09	7.60E-08	7.05E-09	5.50E-10	7.60E-09
155	436918.44	3724821.78	6.42E-08	1.29E-08	7.71E-08	1.27E-08	1.62E-09	1.43E-08	6.82E-08	7.51E-09	7.57E-08	7.03E-09	5.49E-10	7.58E-09
156	436922.49	3724813.28	6.40E-08	1.29E-08	7.69E-08	1.26E-08	1.61E-09	1.43E-08	6.80E-08	7.49E-09	7.55E-08	7.01E-09	5.47E-10	7.55E-09
157	436926.54	3724804.79	6.39E-08	1.28E-08	7.67E-08	1.26E-08	1.61E-09	1.42E-08	6.79E-08	7.47E-09	7.53E-08	6.99E-09	5.46E-10	7.54E-09
158	436930.58	3724796.3	6.38E-08	1.28E-08	7.65E-08	1.26E-08	1.61E-09	1.42E-08	6.77E-08	7.46E-09	7.52E-08	6.97E-09	5.45E-10	7.52E-09
159	436934.63	3724787.81	6.35E-08	1.27E-08	7.63E-08	1.25E-08	1.60E-09	1.41E-08	6.75E-08	7.43E-09	7.49E-08	6.95E-09	5.43E-10	7.49E-09
160	436938.67	3724779.32	6.33E-08	1.27E-08	7.61E-08	1.25E-08	1.60E-09	1.41E-08	6.73E-08	7.41E-09	7.47E-08	6.93E-09	5.41E-10	7.47E-09
161	436942.72	3724770.83	6.31E-08	1.27E-08	7.58E-08	1.25E-08	1.59E-09	1.41E-08	6.71E-08	7.38E-09	7.44E-08	6.91E-09	5.39E-10	7.44E-09
162	436946.77	3724762.34	6.29E-08	1.26E-08	7.55E-08	1.24E-08	1.58E-09	1.40E-08	6.68E-08	7.35E-09	7.41E-08	6.88E-09	5.37E-10	7.41E-09
163	436950.81	3724753.85	6.26E-08	1.26E-08	7.51E-08	1.24E-08	1.58E-09	1.39E-08	6.65E-08	7.32E-09	7.38E-08	6.85E-09	5.35E-10	7.38E-09
164	436954.86	3724745.36	6.24E-08	1.25E-08	7.49E-08	1.23E-08	1.57E-09	1.39E-08	6.63E-08	7.30E-09	7.36E-08	6.83E-09	5.33E-10	7.36E-09
165	436958.91	3724736.86	6.22E-08	1.25E-08	7.47E-08	1.23E-08	1.57E-09	1.39E-08	6.61E-08	7.27E-09	7.34E-08	6.81E-09	5.31E-10	7.34E-09
166	436962.95	3724728.37	6.21E-08	1.25E-08	7.46E-08	1.23E-08	1.57E-09	1.38E-08	6.60E-08	7.27E-09	7.33E-08	6.80E-09	5.31E-10	7.33E-09
167	436939.94	3725780.37	7.30E-08	1.46E-08	8.76E-08	1.44E-08	1.84E-09	1.63E-08	7.75E-08	8.53E-09	8.61E-08	7.98E-09	6.23E-10	8.61E-09
168	436946.26	3725787.41	7.38E-08	1.48E-08	8.86E-08	1.46E-08	1.86E-09	1.64E-08	7.84E-08	8.63E-09	8.71E-08	8.08E-09	6.31E-10	8.71E-09
169	436952.58	3725794.45	7.47E-08	1.50E-08	8.97E-08	1.47E-08	1.88E-09	1.66E-08	7.93E-08	8.73E-09	8.80E-08	8.17E-09	6.38E-10	8.81E-09
170	436907.03	3725798.19	6.82E-08	1.37E-08	8.19E-08	1.35E-08	1.72E-09	1.52E-08	7.24E-08	7.98E-09	8.04E-08	7.46E-09	5.83E-10	8.04E-09
171	436903.89	3725789.29	6.81E-08	1.37E-08	8.18E-08	1.35E-08	1.72E-09	1.52E-08	7.24E-08	7.97E-09	8.03E-08	7.45E-09	5.82E-10	8.03E-09
172	436900.75	3725780.39	6.81E-08	1.37E-08	8.18E-08	1.34E-08	1.72E-09	1.52E-08	7.23E-08	7.96E-09	8.03E-08	7.45E-09	5.82E-10	8.03E-09
173	436897.6	3725771.49	6.79E-08	1.36E-08	8.15E-08	1.34E-08	1.71E-09	1.51E-08	7.21E-08	7.94E-09	8.01E-08	7.43E-09	5.80E-10	8.01E-09
174	436894.46	3725762.59	6.76E-08	1.36E-08	8.12E-08	1.34E-08	1.70E-09	1.51E-08	7.18E-08	7.91E-09	7.97E-08	7.40E-09	5.78E-10	7.97E-09
175	436872.45	3725700.27	6.60E-08	1.32E-08	7.92E-08	1.30E-08	1.66E-09	1.47E-08	7.01E-08	7.72E-09	7.78E-08	7.22E-09	5.64E-10	7.78E-09
176	436869.31	3725691.37	6.56E-08	1.32E-08	7.88E-08	1.30E-08	1.65E-09	1.46E-08	6.97E-08	7.67E-09	7.73E-08	7.18E-09	5.60E-10	7.74E-09
177	436866.17	3725682.47	6.50E-08	1.30E-08	7.80E-08	1.28E-08	1.64E-09	1.45E-08	6.90E-08	7.60E-09	7.66E-08	7.11E-09	5.55E-10	7.67E-09
178	436863.02	3725673.57	6.43E-08	1.29E-08	7.72E-08	1.27E-08	1.62E-09	1.43E-08	6.83E-08	7.52E-09	7.58E-08	7.03E-09	5.49E-10	7.58E-09
179	436859.88	3725664.67	6.36E-08	1.28E-08	7.64E-08	1.26E-08	1.60E-09	1.42E-08	6.76E-08	7.44E-09	7.50E-08	6.96E-09	5.43E-10	7.50E-09
180	436856.74	3725655.76	6.30E-08	1.26E-08	7.56E-08	1.24E-08	1.59E-09	1.40E-08	6.69E-08	7.36E-09	7.43E-08	6.89E-09	5.38E-10	7.43E-09
181	436853.59	3725646.86	6.22E-08	1.25E-08	7.47E-08	1.23E-08	1.57E-09	1.39E-08	6.61E-08	7.27E-09	7.34E-08	6.81E-09	5.31E-10	7.34E-09
182	436850.45	3725637.96	6.15E-08	1.23E-08	7.38E-08	1.21E-08	1.55E-09	1.37E-08	6.53E-08	7.19E-09	7.25E-08	6.72E-09	5.25E-10	7.25E-09
183	436847.31	3725629.06	6.08E-08	1.22E-08	7.30E-08	1.20E-08	1.53E-09	1.35E-08	6.46E-08	7.11E-09	7.17E-08	6.65E-09	5.19E-10	7.17E-09
184	436844.16	3725620.16	6.03E-08	1.21E-08	7.24E-08	1.19E-08	1.52E-09	1.34E-08	6.41E-08	7.06E-09	7.11E-08	6.60E-09	5.15E-10	7.12E-09
185	436841.02	3725611.26	6.00E-08	1.20E-08	7.20E-08	1.19E-08	1.51E-09	1.34E-08	6.37E-08	7.02E-09	7.08E-08	6.56E-09	5.13E-10	7.08E-09
186	436837.87	3725602.35	5.97E-08	1.20E-08	7.16E-08	1.18E-08	1.50E-09	1.33E-08	6.34E-08	6.98E-09	7.04E-08	6.53E-09	5.10E-10	7.04E-09
187	436834.73	3725593.45	5.93E-08	1.19E-08	7.12E-08	1.17E-08	1.49E-09	1.32E-08	6.30E-08	6.93E-09	6.99E-08	6.49E-09	5.07E-10	6.99E-09
188	436831.59	3725584.55	5.89E-08	1.18E-08	7.08E-08	1.16E-08	1.49E-09	1.31E-08	6.26E-08	6.89E-09	6.95E-08	6.45E-09	5.03E-10	6.95E-09
189	436828.44	3725575.65	5.85E-08	1.17E-08	7.03E-08	1.16E-08	1.47E-09	1.30E-08	6.22E-08	6.84E-09	6.90E-08	6.40E-09	5.00E-10	6.90E-09
190	436773.58	3725039.85	5.33E-08	1.07E-08	6.40E-08	1.05E-08	1.34E-09	1.19E-08	5.66E-08	6.23E-09	6.29E-08	5.83E-09	4.55E-10	6.29E-09
191	436777.64	3725031.33	5.38E-08	1.08E-08	6.46E-08	1.06E-08	1.36E-09	1.20E-08	5.71E-08	6.29E-09	6.34E-08	5.88E-09	4.59E-10	6.34E-09
192	436781.7	3725022.8	5.42E-08	1.09E-08	6.51E-08	1.07E-08	1.37E-09	1.21E-08	5.76E-08	6.34E-09	6.39E-08	5.93E-09	4.63E-10	6.40E-09
193	436785.76	3725014.28	5.47E-08	1.10E-08	6.57E-08	1.08E-08	1.38E-09	1.22E-08	5.81E-08	6.40E-09	6.45E-08	5.98E-09	4.67E-10	6.45E-09
194	436789.82	3725005.76	5.52E-08	1.11E-08	6.63E-08	1.09E-08	1.39E-09	1.23E-08	5.86E-08	6.45E-09	6.51E-08	6.04E-09	4.71E-10	6.51E-09
195	436793.88	3724997.24	5.57E-08	1.12E-08	6.68E-08	1.10E-08	1.40E-09	1.24E-08	5.91E-08	6.51E-09	6.56E-08	6.09E-09	4.75E-10	6.56E-09
196	436797.94	3724988.71	5.61E-08	1.13E-08	6.74E-08	1.11E-08	1.41E-09	1.25E-08	5.96E-08	6.57E-09	6.62E-08	6.14E-09	4.80E-10	6.62E-09
197	436802	3724980.19	5.66E-08	1.14E-08	6.80E-08	1.12E-08	1.43E-09	1.26E-08	6.01E-08	6.62E-09	6.68E-08	6.19E-09	4.84E-10	6.68E-09
198	436806.07	3724971.67	5.71E-08	1.15E-08	6.86E-08	1.13E-08	1.44E-09	1.27E-08	6.06E-08	6.68E-09	6.73E-08	6.25E-09	4.88E-10	6.73E-09
199	436810.13	3724963.15	5.75E-08	1.15E-08	6.91E-08	1.14E-08	1.45E-09	1.28E-08	6.11E-08	6.73E-09	6.78E-08	6.29E-09	4.91E-10	6.79E-09
200	436814.19	3724954.62	5.79E-08	1.16E-08	6.95E-08	1.14E-08	1.46E-09	1.29E-08	6.15E-08	6.77E-09	6.83E-08	6.33E-09	4.95E-10	6.83E-09
201	436818.25	3724946.1	5.83E-08	1.17E-08	7.00E-08	1.15E-08	1.47E-09	1.30E-08	6.19E-08	6.81E-09	6.87E-08	6.37E-09	4.98E-10	6.87E-09
202	436822.31	3724937.58	5.86E-08	1.18E-08	7.04E-08	1.16E-08	1.48E-09	1.31E-08	6.23E-08	6.86E-09	6.91E-08	6.41E-09	5.01E-10	6.92E-09
203	436826.37	3724929.06	5.90E-08	1.18E-08	7.08E-08	1.16E-08	1.49E-09	1.31E-08	6.26E-08	6.90E-09	6.95E-08	6.45E-09	5.04E-10	6.95E-09
204	436830.43	3724920.54	5.93E-08	1.19E-08	7.12E-08	1.17E-08	1.50E-09	1.32E-08	6.30E-08	6.94E-09	7.00E-08	6.49E-09	5.07E-10	7.00E-09
205	436834.49	3724912.01	5.96E-08	1.20E-08	7.16E-08	1.18E-08	1.50E-09	1.33E-08	6.33E-08	6.97E-09	7.03E-08	6.52E-09	5.09E-10	7.03E-09
206	436838.56	3724903.49	6.00E-08	1.20E-08	7.20E-08	1.18E-08	1.51E-09	1.34E-08	6.37E-08	7.01E-09	7.07E-08	6.56E-09	5.12E-10	7.07E-09
207	436842.62	3724894.97	6.03E-08	1.21E-08	7.24E-08	1.19E-08	1.52E-09	1.34E-08	6.41E-08	7.06E-09	7.11E-08	6.60E-09	5.15E-10	7.12E-09
208	436846.68	3724886.45	6.07E-08	1.22E-08	7.28E-08	1.20E-08	1.53E-09	1.35E-08	6.44E-08	7.09E-09	7.15E-08	6.64E-09	5.18E-10	7.15E-09
209	436850.74	3724877.92	6.10E-08	1.22E-08	7.32E-08	1.20E-08	1.54E-09	1.36E-08	6.48E-08	7.13E-09	7.19E-08	6.67E-09	5.21E-10	7.19E-09
210	436854.8	3724869.4	6.11E-08	1.23E-08	7.34E-08	1.21E-08	1.54E-09	1.36E-08	6.49E-08	7.15E-09	7.21E-08	6.69E-09	5.22E-10	7.21E-09
211	436858.86	3724860.88	6.12E-08	1.23E-08	7.35E-08	1.21E-08	1.54E-09	1.36E-08	6.50E-08	7.16E-09	7.22E-08	6.70E-09	5.23E-10	7.22E-09
212	436862.92	3724852.36	6.13E-08	1.23E-08	7.35E-08	1.21E-08	1.54E-09	1.36E-08	6.51E-08	7.16E-09	7.22E-08	6.70E-09	5.23E-10	7.22E-09
213	436866.98	3724843.83	6.13E-08	1.23E-08	7.35E-08	1.21E-08	1.54E-09	1.36E-08	6.51E-08	7.16E-09	7.22E-08	6.70E-09	5.23E-10	7.22E-09
214	436871.05	3724835.31	6.13E-08	1.23E-08	7.35E-08	1.21E-08	1.54E-09	1.36E-08	6.51E-08	7.16E-09	7.22E-08	6.70E-09	5.23E-10	7.22E-09
215	436875.11	3724826.79	6.12E-08	1.23E-08	7.35E-08	1.21E-08	1.54E-09	1.36E-08	6.50E-08	7.16E-09	7.22E-08	6.70E-09	5.23E-10	7.22E-09
216	436879.17	3724818.27	6.12E-08	1.23E-08	7.35E-08	1.21E-08	1.54E-09	1.36E-08	6.50E-08	7.15E-09	7.21E-08	6.69E-09	5.23E-10	7.22E-09
217	436883.23	3724809.74	6.11E-08	1.23E-08	7.34E-08	1.21E-08	1.54E-09	1.36E-08	6.49E-08	7.15E-09	7.21E-08	6.68E-09	5.22E-10	7.21E-09
218	436887.29	3724801.22	6.10E-08	1.22E-08	7.32E-08	1.20E-08	1.54E-09	1.36E-08	6.48E-08	7.13E-09	7.19E-08	6.67E-09	5.21E-10	7.19E-09
219	436891.35	3724792.7	6.09E-08	1.22E-08	7.31E-08	1.20E-08	1.53E-09	1.36E-08	6.47E-08	7.12E-09	7.18E-08	6.66E-09	5.20E-10	7.18E-09
220	436895.41	3724784.18	6.07E-08	1.22E-08	7.29E-08	1.20E-08	1.53E-09	1.35E-08	6.45E-08	7.10E-09	7.16E-08	6.64E-09	5.18E-10	7.16E-09
221	436899.47	3724775.66	6.06E-08	1.22E-08	7.27E-08	1.20E-08	1.53E-09	1.35E-08	6.43E-08	7.08E-09	7.14E-08	6.62E-09	5.17E-10	7.14E-09
222	436903.54	3724767.13	6.03E-08	1.21E-08	7.24E-08	1.19E-08	1.52E-09	1.34E-08	6.41E-08	7.06E-09	7.11E-08	6.60E-09	5.15E-10	7.12E-09
223	436907.6	3724758.61	6.01E-08	1.21E-08	7.22E-08	1.19E-08	1.51E-09	1.34E-08	6.39E-08	7.03E-09	7.09E-08	6.58E-09	5.13E-10	7.09E-09
224	436911.66	3724750.09	5.99E-08	1.20E-08	7.19E-08	1.18E-08	1.51E-09	1.33E-08	6.36E-08	7.00E-09	7.06E-08	6.55E-09	5.11E-10	7.06E-09
225	436915.72	3724741.57	5.96E-08	1.20E-08	7.15E-08	1.18E-08	1.50E-09	1.33E-08	6.33E-08	6.97E-09	7.02E-08	6.52E-09	5.09E-10	7.02E-09
226	436919.78	3724733.04	5.93E-08	1.19E-08	7.12E-08	1.17E-08	1.49E-09	1.32E-08	6.30E-08	6.93E-09	6.99E-08	6.48E-09	5.06E-10	6.99E-09
227	436923.84	3724724.52	5.89E-08	1.18E-08	7.08E-08	1.16E-08	1.49E-09	1.31E-08	6.26E-08	6.89E-09	6.95E-08	6.45E-09	5.03E-10	6.95E-09

228	436927.9	3724716	5.86E-08	1.18E-08	7.03E-08	1.16E-08	1.48E-09	1.30E-08	6.22E-08	6.85E-09	6.91E-08	6.41E-09	5.00E-10	6.91E-09
229	436931.96	3724707.48	5.82E-08	1.17E-08	6.99E-08	1.15E-08	1.47E-09	1.30E-08	6.18E-08	6.81E-09	6.86E-08	6.37E-09	4.97E-10	6.86E-09
230	436936.02	3724698.95	5.78E-08	1.16E-08	6.94E-08	1.14E-08	1.46E-09	1.29E-08	6.14E-08	6.76E-09	6.82E-08	6.32E-09	4.94E-10	6.82E-09
231	436940.09	3724690.43	5.74E-08	1.15E-08	6.89E-08	1.13E-08	1.45E-09	1.28E-08	6.09E-08	6.71E-09	6.76E-08	6.27E-09	4.90E-10	6.76E-09
232	436910.18	3725807.1	6.83E-08	1.37E-08	8.21E-08	1.35E-08	1.72E-09	1.52E-08	7.26E-08	7.99E-09	8.06E-08	7.48E-09	5.84E-10	8.06E-09
233	436916.5	3725814.14	6.89E-08	1.38E-08	8.28E-08	1.36E-08	1.74E-09	1.54E-08	7.32E-08	8.06E-09	8.13E-08	7.54E-09	5.89E-10	8.13E-09
234	436922.82	3725821.18	6.96E-08	1.40E-08	8.36E-08	1.37E-08	1.75E-09	1.55E-08	7.39E-08	8.14E-09	8.21E-08	7.61E-09	5.94E-10	8.21E-09
235	436877.3	3725825.01	6.32E-08	1.27E-08	7.58E-08	1.25E-08	1.59E-09	1.41E-08	6.71E-08	7.39E-09	7.45E-08	6.91E-09	5.40E-10	7.45E-09
236	436874.19	3725816.2	6.30E-08	1.26E-08	7.57E-08	1.24E-08	1.59E-09	1.40E-08	6.69E-08	7.37E-09	7.43E-08	6.89E-09	5.38E-10	7.43E-09
237	436871.08	3725807.39	6.29E-08	1.26E-08	7.55E-08	1.24E-08	1.58E-09	1.40E-08	6.68E-08	7.35E-09	7.41E-08	6.88E-09	5.37E-10	7.41E-09
238	436867.97	3725798.59	6.27E-08	1.26E-08	7.53E-08	1.24E-08	1.58E-09	1.40E-08	6.66E-08	7.33E-09	7.40E-08	6.86E-09	5.36E-10	7.40E-09
239	436864.86	3725789.78	6.26E-08	1.26E-08	7.52E-08	1.24E-08	1.58E-09	1.39E-08	6.65E-08	7.32E-09	7.38E-08	6.85E-09	5.35E-10	7.38E-09
240	436861.75	3725780.97	6.25E-08	1.25E-08	7.50E-08	1.23E-08	1.57E-09	1.39E-08	6.64E-08	7.30E-09	7.37E-08	6.83E-09	5.34E-10	7.37E-09
241	436858.64	3725772.16	6.24E-08	1.25E-08	7.49E-08	1.23E-08	1.57E-09	1.39E-08	6.62E-08	7.29E-09	7.35E-08	6.82E-09	5.33E-10	7.35E-09
242	436855.53	3725763.36	6.24E-08	1.25E-08	7.49E-08	1.23E-08	1.57E-09	1.39E-08	6.62E-08	7.29E-09	7.35E-08	6.82E-09	5.33E-10	7.35E-09
243	436852.42	3725754.55	6.23E-08	1.25E-08	7.48E-08	1.23E-08	1.57E-09	1.39E-08	6.62E-08	7.29E-09	7.35E-08	6.82E-09	5.32E-10	7.35E-09
244	436836.87	3725710.51	6.14E-08	1.23E-08	7.37E-08	1.21E-08	1.55E-09	1.37E-08	6.52E-08	7.18E-09	7.24E-08	6.71E-09	5.24E-10	7.24E-09
245	436833.76	3725701.7	6.09E-08	1.22E-08	7.31E-08	1.20E-08	1.53E-09	1.36E-08	6.47E-08	7.12E-09	7.18E-08	6.66E-09	5.20E-10	7.18E-09
246	436830.65	3725692.89	6.04E-08	1.21E-08	7.26E-08	1.19E-08	1.52E-09	1.35E-08	6.42E-08	7.07E-09	7.13E-08	6.61E-09	5.16E-10	7.13E-09
247	436827.54	3725684.09	6.00E-08	1.20E-08	7.21E-08	1.19E-08	1.51E-09	1.34E-08	6.38E-08	7.02E-09	7.08E-08	6.57E-09	5.13E-10	7.08E-09
248	436824.43	3725675.28	5.96E-08	1.20E-08	7.15E-08	1.18E-08	1.50E-09	1.33E-08	6.33E-08	6.97E-09	7.02E-08	6.52E-09	5.09E-10	7.02E-09
249	436821.32	3725666.47	5.90E-08	1.18E-08	7.09E-08	1.17E-08	1.49E-09	1.32E-08	6.27E-08	6.90E-09	6.96E-08	6.46E-09	5.04E-10	6.96E-09
250	436818.21	3725657.66	5.86E-08	1.18E-08	7.03E-08	1.16E-08	1.48E-09	1.30E-08	6.22E-08	6.85E-09	6.91E-08	6.41E-09	5.00E-10	6.91E-09
251	436815.09	3725648.86	5.80E-08	1.16E-08	6.96E-08	1.15E-08	1.46E-09	1.29E-08	6.16E-08	6.78E-09	6.84E-08	6.34E-09	4.95E-10	6.84E-09
252	436811.98	3725640.05	5.74E-08	1.15E-08	6.90E-08	1.13E-08	1.45E-09	1.28E-08	6.10E-08	6.72E-09	6.77E-08	6.28E-09	4.91E-10	6.77E-09
253	436808.87	3725631.24	5.69E-08	1.14E-08	6.83E-08	1.12E-08	1.43E-09	1.27E-08	6.04E-08	6.65E-09	6.71E-08	6.22E-09	4.86E-10	6.71E-09
254	436716.74	3725073.19	4.90E-08	9.83E-09	5.88E-08	9.67E-09	1.23E-09	1.09E-08	5.20E-08	5.73E-09	5.77E-08	5.36E-09	4.18E-10	5.78E-09
255	436720.76	3725064.75	4.94E-08	9.91E-09	5.93E-08	9.76E-09	1.25E-09	1.10E-08	5.25E-08	5.78E-09	5.83E-08	5.41E-09	4.22E-10	5.83E-09
256	436724.78	3725056.32	4.97E-08	9.98E-09	5.97E-08	9.83E-09	1.25E-09	1.11E-08	5.28E-08	5.82E-09	5.87E-08	5.44E-09	4.25E-10	5.87E-09
257	436728.8	3725047.89	5.01E-08	1.01E-08	6.02E-08	9.90E-09	1.26E-09	1.12E-08	5.33E-08	5.86E-09	5.91E-08	5.49E-09	4.28E-10	5.91E-09
258	436732.81	3725039.46	5.05E-08	1.01E-08	6.07E-08	9.98E-09	1.27E-09	1.13E-08	5.37E-08	5.91E-09	5.96E-08	5.53E-09	4.31E-10	5.96E-09
259	436736.83	3725031.03	5.09E-08	1.02E-08	6.11E-08	1.01E-08	1.28E-09	1.13E-08	5.40E-08	5.95E-09	6.00E-08	5.57E-09	4.35E-10	6.00E-09
260	436740.85	3725022.59	5.13E-08	1.03E-08	6.15E-08	1.01E-08	1.29E-09	1.14E-08	5.44E-08	5.99E-09	6.04E-08	5.61E-09	4.38E-10	6.04E-09
261	436744.87	3725014.16	5.16E-08	1.04E-08	6.20E-08	1.02E-08	1.30E-09	1.15E-08	5.48E-08	6.04E-09	6.09E-08	5.65E-09	4.41E-10	6.09E-09
262	436748.89	3725005.73	5.20E-08	1.04E-08	6.25E-08	1.03E-08	1.31E-09	1.16E-08	5.53E-08	6.08E-09	6.13E-08	5.69E-09	4.44E-10	6.14E-09
263	436752.91	3724997.3	5.25E-08	1.05E-08	6.30E-08	1.04E-08	1.32E-09	1.17E-08	5.57E-08	6.14E-09	6.19E-08	5.74E-09	4.48E-10	6.19E-09
264	436756.92	3724988.87	5.29E-08	1.06E-08	6.35E-08	1.04E-08	1.33E-09	1.18E-08	5.62E-08	6.19E-09	6.24E-08	5.79E-09	4.52E-10	6.24E-09
265	436760.94	3724980.43	5.33E-08	1.07E-08	6.41E-08	1.05E-08	1.34E-09	1.19E-08	5.67E-08	6.24E-09	6.29E-08	5.84E-09	4.56E-10	6.29E-09
266	436764.96	3724972	5.38E-08	1.08E-08	6.46E-08	1.06E-08	1.36E-09	1.20E-08	5.72E-08	6.29E-09	6.35E-08	5.89E-09	4.60E-10	6.35E-09
267	436768.98	3724963.57	5.43E-08	1.09E-08	6.52E-08	1.07E-08	1.37E-09	1.21E-08	5.76E-08	6.35E-09	6.40E-08	5.94E-09	4.64E-10	6.40E-09
268	436773	3724955.14	5.47E-08	1.10E-08	6.56E-08	1.08E-08	1.38E-09	1.22E-08	5.81E-08	6.39E-09	6.45E-08	5.98E-09	4.67E-10	6.45E-09
269	436777.02	3724946.7	5.51E-08	1.11E-08	6.62E-08	1.09E-08	1.39E-09	1.23E-08	5.85E-08	6.44E-09	6.50E-08	6.03E-09	4.71E-10	6.50E-09
270	436781.03	3724938.27	5.56E-08	1.11E-08	6.67E-08	1.10E-08	1.40E-09	1.24E-08	5.90E-08	6.50E-09	6.55E-08	6.08E-09	4.75E-10	6.55E-09
271	436785.05	3724929.84	5.59E-08	1.12E-08	6.71E-08	1.10E-08	1.41E-09	1.25E-08	5.94E-08	6.54E-09	6.59E-08	6.12E-09	4.78E-10	6.60E-09
272	436789.07	3724921.41	5.61E-08	1.13E-08	6.74E-08	1.11E-08	1.41E-09	1.25E-08	5.96E-08	6.57E-09	6.62E-08	6.14E-09	4.80E-10	6.62E-09
273	436793.09	3724912.98	5.64E-08	1.13E-08	6.77E-08	1.11E-08	1.42E-09	1.26E-08	5.99E-08	6.59E-09	6.65E-08	6.17E-09	4.81E-10	6.65E-09
274	436797.11	3724904.54	5.65E-08	1.13E-08	6.79E-08	1.12E-08	1.42E-09	1.26E-08	6.01E-08	6.61E-09	6.67E-08	6.19E-09	4.83E-10	6.67E-09
275	436801.12	3724896.11	5.67E-08	1.14E-08	6.81E-08	1.12E-08	1.43E-09	1.26E-08	6.02E-08	6.63E-09	6.68E-08	6.20E-09	4.84E-10	6.69E-09
276	436805.14	3724887.68	5.69E-08	1.14E-08	6.83E-08	1.12E-08	1.43E-09	1.27E-08	6.04E-08	6.65E-09	6.71E-08	6.22E-09	4.86E-10	6.71E-09
277	436809.16	3724879.25	5.70E-08	1.14E-08	6.84E-08	1.13E-08	1.44E-09	1.27E-08	6.05E-08	6.66E-09	6.72E-08	6.23E-09	4.87E-10	6.72E-09
278	436813.18	3724870.81	5.71E-08	1.15E-08	6.86E-08	1.13E-08	1.44E-09	1.27E-08	6.07E-08	6.68E-09	6.74E-08	6.25E-09	4.88E-10	6.74E-09
279	436817.2	3724862.38	5.72E-08	1.15E-08	6.87E-08	1.13E-08	1.44E-09	1.27E-08	6.08E-08	6.69E-09	6.75E-08	6.26E-09	4.89E-10	6.75E-09
280	436821.22	3724853.95	5.73E-08	1.15E-08	6.88E-08	1.13E-08	1.44E-09	1.28E-08	6.08E-08	6.70E-09	6.75E-08	6.27E-09	4.89E-10	6.76E-09
281	436825.23	3724845.52	5.74E-08	1.15E-08	6.89E-08	1.13E-08	1.45E-09	1.28E-08	6.09E-08	6.71E-09	6.76E-08	6.27E-09	4.90E-10	6.76E-09
282	436829.25	3724837.09	5.74E-08	1.15E-08	6.89E-08	1.13E-08	1.45E-09	1.28E-08	6.10E-08	6.71E-09	6.77E-08	6.28E-09	4.90E-10	6.77E-09
283	436833.27	3724828.65	5.74E-08	1.15E-08	6.90E-08	1.13E-08	1.45E-09	1.28E-08	6.10E-08	6.72E-09	6.77E-08	6.28E-09	4.91E-10	6.77E-09
284	436837.29	3724820.22	5.74E-08	1.15E-08	6.90E-08	1.13E-08	1.45E-09	1.28E-08	6.10E-08	6.72E-09	6.77E-08	6.28E-09	4.91E-10	6.77E-09
285	436841.31	3724811.79	5.74E-08	1.15E-08	6.89E-08	1.13E-08	1.45E-09	1.28E-08	6.10E-08	6.71E-09	6.77E-08	6.28E-09	4.90E-10	6.77E-09
286	436845.33	3724803.36	5.74E-08	1.15E-08	6.89E-08	1.13E-08	1.45E-09	1.28E-08	6.09E-08	6.71E-09	6.76E-08	6.27E-09	4.90E-10	6.76E-09
287	436849.34	3724794.93	5.73E-08	1.15E-08	6.88E-08	1.13E-08	1.44E-09	1.28E-08	6.08E-08	6.70E-09	6.75E-08	6.27E-09	4.89E-10	6.76E-09
288	436853.36	3724786.49	5.72E-08	1.15E-08	6.87E-08	1.13E-08	1.44E-09	1.27E-08	6.08E-08	6.69E-09	6.75E-08	6.26E-09	4.89E-10	6.75E-09
289	436857.38	3724778.06	5.71E-08	1.15E-08	6.86E-08	1.13E-08	1.44E-09	1.27E-08	6.06E-08	6.68E-09	6.73E-08	6.25E-09	4.88E-10	6.73E-09
290	436861.4	3724769.63	5.70E-08	1.14E-08	6.84E-08	1.13E-08	1.44E-09	1.27E-08	6.05E-08	6.66E-09	6.72E-08	6.23E-09	4.87E-10	6.72E-09
291	436865.42	3724761.2	5.68E-08	1.14E-08	6.82E-08	1.12E-08	1.43E-09	1.27E-08	6.04E-08	6.65E-09	6.70E-08	6.22E-09	4.86E-10	6.70E-09
292	436869.44	3724752.76	5.67E-08	1.14E-08	6.80E-08	1.12E-08	1.43E-09	1.26E-08	6.02E-08	6.63E-09	6.68E-08	6.20E-09	4.84E-10	6.68E-09
293	436873.45	3724744.33	5.65E-08	1.13E-08	6.78E-08	1.12E-08	1.42E-09	1.26E-08	6.00E-08	6.60E-09	6.66E-08	6.18E-09	4.82E-10	6.66E-09
294	436877.47	3724735.9	5.63E-08	1.13E-08	6.76E-08	1.11E-08	1.42E-09	1.25E-08	5.98E-08	6.58E-09	6.64E-08	6.16E-09	4.81E-10	6.64E-09
295	436881.49	3724727.47	5.60E-08	1.12E-08	6.73E-08	1.11E-08	1.41E-09	1.25E-08	5.95E-08	6.55E-09	6.61E-08	6.13E-09	4.79E-10	6.61E-09
296	436885.51	3724719.04	5.58E-08	1.12E-08	6.70E-08	1.10E-08	1.41E-09	1.24E-08	5.93E-08	6.53E-09	6.58E-08	6.11E-09	4.77E-10	6.58E-09
297	436889.53	3724710.6	5.55E-08	1.11E-08	6.67E-08	1.10E-08	1.40E-09	1.24E-08	5.90E-08	6.49E-09	6.55E-08	6.07E-09	4.74E-10	6.55E-09
298	436893.54	3724702.17	5.52E-08	1.11E-08	6.63E-08	1.09E-08	1.39E-09	1.23E-08	5.87E-08	6.46E-09	6.51E-08	6.04E-09	4.72E-10	6.51E-09
299	436897.56	3724693.74	5.49E-08	1.10E-08	6.59E-08	1.08E-08	1.38E-09	1.22E-08	5.83E-08	6.42E-09	6.48E-08	6.01E-09	4.69E-10	6.48E-09
300	436901.58	3724685.31	5.46E-08	1.09E-08	6.55E-08	1.08E-08	1.37E-09	1.22E-08	5.80E-08	6.38E-09	6.43E-08	5.97E-09	4.66E-10	6.43E-09
301	436905.6	3724676.87	5.42E-08	1.09E-08	6.51E-08	1.07E-08	1.37E-09	1.21E-08	5.76E-08	6.34E-09	6.39E-08	5.93E-09	4.63E-10	6.40E-09
302	436909.62	3724668.44	5.38E-08	1.08E-08	6.46E-08	1.06E-08	1.36E-09	1.20E-08	5.72E-08	6.29E-09	6.35E-08	5.89E-09	4.60E-10	6.35E-09
303	436913.64	3724660.01	5.35E-08	1.07E-08	6.42E-08	1.06E-08	1.35E-09	1.19E-08	5.68E-08	6.25E-09	6.30E-08	5.85E-09	4.57E-10	6.30E-09
304	436917.65	3724651.58	5.30E-08	1.06E-08	6.37E-08	1.05E-08	1.34E-09	1.18E-08	5.63E-08	6.20E-09	6.25E-08	5.80E-09	4.53E-10	6.25E-09

305	436921.67	3724643.15	5.26E-08	1.06E-08	6.32E-08	1.04E-08	1.33E-09	1.17E-08	5.59E-08	6.15E-09	6.20E-08	5.76E-09	4.49E-10	6.20E-09
306	436925.69	3724634.71	5.21E-08	1.05E-08	6.26E-08	1.03E-08	1.31E-09	1.16E-08	5.54E-08	6.10E-09	6.15E-08	5.70E-09	4.45E-10	6.15E-09
307	436929.71	3724626.28	5.17E-08	1.04E-08	6.20E-08	1.02E-08	1.30E-09	1.15E-08	5.49E-08	6.04E-09	6.09E-08	5.65E-09	4.41E-10	6.09E-09
308	436933.73	3724617.85	5.12E-08	1.03E-08	6.14E-08	1.01E-08	1.29E-09	1.14E-08	5.44E-08	5.98E-09	6.03E-08	5.60E-09	4.37E-10	6.04E-09
309	436937.75	3724609.42	5.07E-08	1.02E-08	6.08E-08	1.00E-08	1.28E-09	1.13E-08	5.38E-08	5.92E-09	5.97E-08	5.54E-09	4.33E-10	5.98E-09
310	436941.76	3724600.99	5.01E-08	1.01E-08	6.02E-08	9.90E-09	1.26E-09	1.12E-08	5.33E-08	5.86E-09	5.91E-08	5.49E-09	4.28E-10	5.91E-09
311	436880.41	3725833.82	6.33E-08	1.27E-08	7.60E-08	1.25E-08	1.60E-09	1.41E-08	6.72E-08	7.40E-09	7.47E-08	6.93E-09	5.41E-10	7.47E-09
312	436886.73	3725840.86	6.40E-08	1.28E-08	7.69E-08	1.26E-08	1.61E-09	1.43E-08	6.80E-08	7.49E-09	7.55E-08	7.00E-09	5.47E-10	7.55E-09
313	436893.05	3725847.9	6.47E-08	1.30E-08	7.77E-08	1.28E-08	1.63E-09	1.44E-08	6.88E-08	7.57E-09	7.63E-08	7.08E-09	5.53E-10	7.64E-09
314	436847.52	3725851.7	5.93E-08	1.19E-08	7.12E-08	1.17E-08	1.49E-09	1.32E-08	6.30E-08	6.93E-09	6.99E-08	6.49E-09	5.07E-10	6.99E-09
315	436844.4	3725842.86	5.90E-08	1.18E-08	7.09E-08	1.17E-08	1.49E-09	1.32E-08	6.27E-08	6.90E-09	6.96E-08	6.46E-09	5.04E-10	6.96E-09
316	436841.28	3725834.02	5.88E-08	1.18E-08	7.06E-08	1.16E-08	1.48E-09	1.31E-08	6.25E-08	6.88E-09	6.94E-08	6.44E-09	5.02E-10	6.94E-09
317	436838.16	3725825.18	5.86E-08	1.18E-08	7.04E-08	1.16E-08	1.48E-09	1.31E-08	6.23E-08	6.86E-09	6.91E-08	6.41E-09	5.01E-10	6.92E-09
318	436835.04	3725816.34	5.85E-08	1.17E-08	7.02E-08	1.15E-08	1.47E-09	1.30E-08	6.21E-08	6.84E-09	6.89E-08	6.39E-09	4.99E-10	6.89E-09
319	436831.92	3725807.5	5.83E-08	1.17E-08	7.00E-08	1.15E-08	1.47E-09	1.30E-08	6.19E-08	6.81E-09	6.87E-08	6.37E-09	4.98E-10	6.87E-09
320	436828.79	3725798.66	5.81E-08	1.17E-08	6.97E-08	1.15E-08	1.46E-09	1.29E-08	6.17E-08	6.79E-09	6.85E-08	6.35E-09	4.96E-10	6.85E-09
321	436825.67	3725789.82	5.79E-08	1.16E-08	6.95E-08	1.14E-08	1.46E-09	1.29E-08	6.15E-08	6.77E-09	6.82E-08	6.33E-09	4.94E-10	6.82E-09
322	436822.55	3725780.98	5.77E-08	1.16E-08	6.93E-08	1.14E-08	1.45E-09	1.28E-08	6.13E-08	6.75E-09	6.80E-08	6.31E-09	4.93E-10	6.80E-09
323	436819.43	3725772.14	5.75E-08	1.15E-08	6.91E-08	1.14E-08	1.45E-09	1.28E-08	6.11E-08	6.73E-09	6.78E-08	6.29E-09	4.91E-10	6.79E-09
324	436816.31	3725763.3	5.75E-08	1.15E-08	6.90E-08	1.13E-08	1.45E-09	1.28E-08	6.10E-08	6.72E-09	6.78E-08	6.29E-09	4.91E-10	6.78E-09
325	436791.34	3725692.58	5.65E-08	1.13E-08	6.78E-08	1.12E-08	1.42E-09	1.26E-08	6.00E-08	6.60E-09	6.66E-08	6.18E-09	4.82E-10	6.66E-09
326	436788.21	3725683.75	5.63E-08	1.13E-08	6.75E-08	1.11E-08	1.42E-09	1.25E-08	5.98E-08	6.58E-09	6.63E-08	6.15E-09	4.80E-10	6.63E-09
327	436672.98	3725079.09	4.48E-08	8.99E-09	5.38E-08	8.85E-09	1.13E-09	9.98E-09	4.76E-08	5.24E-09	5.28E-08	4.90E-09	3.83E-10	5.29E-09
328	436677.02	3725070.62	4.52E-08	9.07E-09	5.43E-08	8.93E-09	1.14E-09	1.01E-08	4.80E-08	5.29E-09	5.33E-08	4.95E-09	3.86E-10	5.33E-09
329	436681.05	3725062.16	4.57E-08	9.16E-09	5.48E-08	9.02E-09	1.15E-09	1.02E-08	4.85E-08	5.34E-09	5.38E-08	5.00E-09	3.90E-10	5.39E-09
330	436685.08	3725053.7	4.61E-08	9.26E-09	5.54E-08	9.11E-09	1.16E-09	1.03E-08	4.90E-08	5.40E-09	5.44E-08	5.05E-09	3.94E-10	5.44E-09
331	436689.11	3725045.23	4.67E-08	9.37E-09	5.61E-08	9.22E-09	1.18E-09	1.04E-08	4.96E-08	5.46E-09	5.51E-08	5.11E-09	3.99E-10	5.51E-09
332	436693.15	3725036.77	4.72E-08	9.47E-09	5.67E-08	9.32E-09	1.19E-09	1.05E-08	5.01E-08	5.52E-09	5.57E-08	5.16E-09	4.03E-10	5.57E-09
333	436697.18	3725028.31	4.77E-08	9.58E-09	5.73E-08	9.43E-09	1.20E-09	1.06E-08	5.07E-08	5.58E-09	5.63E-08	5.22E-09	4.08E-10	5.63E-09
334	436701.21	3725019.85	4.82E-08	9.67E-09	5.79E-08	9.52E-09	1.21E-09	1.07E-08	5.12E-08	5.64E-09	5.68E-08	5.27E-09	4.12E-10	5.68E-09
335	436705.25	3725011.38	4.86E-08	9.76E-09	5.84E-08	9.61E-09	1.23E-09	1.08E-08	5.17E-08	5.69E-09	5.74E-08	5.32E-09	4.15E-10	5.74E-09
336	436709.28	3725002.92	4.90E-08	9.84E-09	5.89E-08	9.69E-09	1.24E-09	1.09E-08	5.21E-08	5.74E-09	5.78E-08	5.37E-09	4.19E-10	5.78E-09
337	436713.31	3724994.46	4.95E-08	9.92E-09	5.94E-08	9.77E-09	1.25E-09	1.10E-08	5.25E-08	5.78E-09	5.83E-08	5.41E-09	4.22E-10	5.83E-09
338	436717.34	3724985.99	4.99E-08	1.00E-08	5.99E-08	9.86E-09	1.26E-09	1.11E-08	5.30E-08	5.84E-09	5.89E-08	5.46E-09	4.26E-10	5.89E-09
339	436721.38	3724977.53	5.04E-08	1.01E-08	6.05E-08	9.95E-09	1.27E-09	1.12E-08	5.35E-08	5.89E-09	5.94E-08	5.51E-09	4.30E-10	5.94E-09
340	436725.41	3724969.07	5.08E-08	1.02E-08	6.10E-08	1.00E-08	1.28E-09	1.13E-08	5.40E-08	5.94E-09	5.99E-08	5.56E-09	4.34E-10	5.99E-09
341	436729.44	3724960.61	5.12E-08	1.03E-08	6.14E-08	1.01E-08	1.29E-09	1.14E-08	5.44E-08	5.98E-09	6.03E-08	5.60E-09	4.37E-10	6.04E-09
342	436733.48	3724952.14	5.16E-08	1.04E-08	6.19E-08	1.02E-08	1.30E-09	1.15E-08	5.48E-08	6.03E-09	6.08E-08	5.64E-09	4.41E-10	6.08E-09
343	436737.51	3724943.68	5.19E-08	1.04E-08	6.23E-08	1.03E-08	1.31E-09	1.16E-08	5.51E-08	6.07E-09	6.12E-08	5.68E-09	4.43E-10	6.12E-09
344	436741.54	3724935.22	5.21E-08	1.05E-08	6.26E-08	1.03E-08	1.31E-09	1.16E-08	5.54E-08	6.10E-09	6.15E-08	5.70E-09	4.45E-10	6.15E-09
345	436745.57	3724926.76	5.24E-08	1.05E-08	6.29E-08	1.03E-08	1.32E-09	1.17E-08	5.56E-08	6.12E-09	6.17E-08	5.73E-09	4.47E-10	6.17E-09
346	436749.61	3724918.29	5.26E-08	1.05E-08	6.31E-08	1.04E-08	1.32E-09	1.17E-08	5.58E-08	6.15E-09	6.20E-08	5.75E-09	4.49E-10	6.20E-09
347	436753.64	3724909.83	5.28E-08	1.06E-08	6.33E-08	1.04E-08	1.33E-09	1.17E-08	5.60E-08	6.17E-09	6.22E-08	5.77E-09	4.51E-10	6.22E-09
348	436757.67	3724901.37	5.29E-08	1.06E-08	6.36E-08	1.05E-08	1.33E-09	1.18E-08	5.62E-08	6.19E-09	6.24E-08	5.79E-09	4.52E-10	6.24E-09
349	436761.71	3724892.9	5.31E-08	1.07E-08	6.38E-08	1.05E-08	1.34E-09	1.18E-08	5.64E-08	6.21E-09	6.26E-08	5.81E-09	4.54E-10	6.27E-09
350	436765.74	3724884.44	5.33E-08	1.07E-08	6.40E-08	1.05E-08	1.34E-09	1.19E-08	5.66E-08	6.23E-09	6.28E-08	5.83E-09	4.55E-10	6.28E-09
351	436769.77	3724875.98	5.34E-08	1.07E-08	6.41E-08	1.06E-08	1.35E-09	1.19E-08	5.67E-08	6.25E-09	6.30E-08	5.84E-09	4.56E-10	6.30E-09
352	436773.8	3724867.52	5.36E-08	1.07E-08	6.43E-08	1.06E-08	1.35E-09	1.19E-08	5.69E-08	6.26E-09	6.32E-08	5.86E-09	4.58E-10	6.32E-09
353	436777.84	3724859.05	5.37E-08	1.08E-08	6.44E-08	1.06E-08	1.35E-09	1.20E-08	5.70E-08	6.28E-09	6.33E-08	5.87E-09	4.58E-10	6.33E-09
354	436781.87	3724850.59	5.38E-08	1.08E-08	6.46E-08	1.06E-08	1.36E-09	1.20E-08	5.71E-08	6.29E-09	6.34E-08	5.88E-09	4.59E-10	6.34E-09
355	436785.9	3724842.13	5.39E-08	1.08E-08	6.47E-08	1.06E-08	1.36E-09	1.20E-08	5.72E-08	6.30E-09	6.35E-08	5.89E-09	4.60E-10	6.35E-09
356	436789.94	3724833.66	5.39E-08	1.08E-08	6.48E-08	1.07E-08	1.36E-09	1.20E-08	5.73E-08	6.31E-09	6.36E-08	5.90E-09	4.61E-10	6.36E-09
357	436793.97	3724825.2	5.40E-08	1.08E-08	6.48E-08	1.07E-08	1.36E-09	1.20E-08	5.73E-08	6.31E-09	6.36E-08	5.90E-09	4.61E-10	6.37E-09
358	436798	3724816.74	5.40E-08	1.08E-08	6.48E-08	1.07E-08	1.36E-09	1.20E-08	5.73E-08	6.31E-09	6.36E-08	5.90E-09	4.61E-10	6.37E-09
359	436802.03	3724808.28	5.40E-08	1.08E-08	6.48E-08	1.07E-08	1.36E-09	1.20E-08	5.74E-08	6.32E-09	6.37E-08	5.91E-09	4.61E-10	6.37E-09
360	436806.07	3724799.81	5.40E-08	1.08E-08	6.48E-08	1.07E-08	1.36E-09	1.20E-08	5.73E-08	6.31E-09	6.36E-08	5.90E-09	4.61E-10	6.37E-09
361	436810.1	3724791.35	5.40E-08	1.08E-08	6.48E-08	1.07E-08	1.36E-09	1.20E-08	5.73E-08	6.31E-09	6.36E-08	5.90E-09	4.61E-10	6.37E-09
362	436814.13	3724782.89	5.39E-08	1.08E-08	6.48E-08	1.07E-08	1.36E-09	1.20E-08	5.73E-08	6.31E-09	6.36E-08	5.90E-09	4.61E-10	6.36E-09
363	436818.17	3724774.42	5.39E-08	1.08E-08	6.47E-08	1.06E-08	1.36E-09	1.20E-08	5.72E-08	6.30E-09	6.35E-08	5.89E-09	4.60E-10	6.35E-09
364	436822.2	3724765.96	5.38E-08	1.08E-08	6.46E-08	1.06E-08	1.36E-09	1.20E-08	5.71E-08	6.29E-09	6.34E-08	5.88E-09	4.59E-10	6.34E-09
365	436826.23	3724757.5	5.37E-08	1.08E-08	6.45E-08	1.06E-08	1.35E-09	1.20E-08	5.71E-08	6.28E-09	6.33E-08	5.88E-09	4.59E-10	6.33E-09
366	436830.27	3724749.04	5.36E-08	1.08E-08	6.44E-08	1.06E-08	1.35E-09	1.19E-08	5.69E-08	6.27E-09	6.32E-08	5.86E-09	4.58E-10	6.32E-09
367	436834.3	3724740.57	5.35E-08	1.07E-08	6.42E-08	1.06E-08	1.35E-09	1.19E-08	5.68E-08	6.25E-09	6.30E-08	5.85E-09	4.57E-10	6.30E-09
368	436838.33	3724732.11	5.33E-08	1.07E-08	6.40E-08	1.05E-08	1.34E-09	1.19E-08	5.66E-08	6.23E-09	6.29E-08	5.83E-09	4.55E-10	6.29E-09
369	436842.36	3724723.65	5.31E-08	1.07E-08	6.38E-08	1.05E-08	1.34E-09	1.18E-08	5.64E-08	6.21E-09	6.26E-08	5.81E-09	4.54E-10	6.27E-09
370	436846.4	3724715.18	5.29E-08	1.06E-08	6.36E-08	1.05E-08	1.33E-09	1.18E-08	5.62E-08	6.19E-09	6.24E-08	5.79E-09	4.52E-10	6.24E-09
371	436850.43	3724706.72	5.28E-08	1.06E-08	6.33E-08	1.04E-08	1.33E-09	1.17E-08	5.60E-08	6.17E-09	6.22E-08	5.77E-09	4.51E-10	6.22E-09
372	436854.46	3724698.26	5.25E-08	1.05E-08	6.31E-08	1.04E-08	1.32E-09	1.17E-08	5.58E-08	6.14E-09	6.20E-08	5.75E-09	4.49E-10	6.20E-09
373	436858.5	3724689.8	5.23E-08	1.05E-08	6.28E-08	1.03E-08	1.32E-09	1.16E-08	5.55E-08	6.11E-09	6.16E-08	5.72E-09	4.47E-10	6.17E-09
374	436862.53	3724681.33	5.20E-08	1.04E-08	6.25E-08	1.03E-08	1.31E-09	1.16E-08	5.53E-08	6.08E-09	6.13E-08	5.69E-09	4.44E-10	6.14E-09
375	436866.56	3724672.87	5.17E-08	1.04E-08	6.21E-08	1.02E-08	1.30E-09	1.15E-08	5.49E-08	6.05E-09	6.10E-08	5.66E-09	4.42E-10	6.10E-09
376	436870.59	3724664.41	5.14E-08	1.03E-08	6.18E-08	1.02E-08	1.30E-09	1.15E-08	5.46E-08	6.01E-09	6.06E-08	5.63E-09	4.39E-10	6.07E-09
377	436874.63	3724655.94	5.11E-08	1.03E-08	6.14E-08	1.01E-08	1.29E-09	1.14E-08	5.43E-08	5.98E-09	6.03E-08	5.59E-09	4.37E-10	6.03E-09
378	436878.66	3724647.48	5.08E-08	1.02E-08	6.10E-08	1.00E-08	1.28E-09	1.13E-08	5.40E-08	5.94E-09	5.99E-08	5.56E-09	4.34E-10	5.99E-09
379	436882.69	3724639.02	5.05E-08	1.01E-08	6.06E-08	9.97E-09	1.27E-09	1.12E-08	5.36E-08	5.90E-09	5.95E-08	5.52E-09	4.31E-10	5.95E-09
380	436886.73	3724630.56	5.01E-08	1.01E-08	6.02E-08	9.90E-09	1.26E-09	1.12E-08	5.32E-08	5.86E-09	5.91E-08	5.48E-09	4.28E-10	5.91E-09
381	436890.76	3724622.09	4.97E-08	9.98E-09	5.97E-08	9.83E-09	1.25E-09	1.11E-08	5.28E-08	5.82E-09	5.87E-08	5.44E-09	4.25E-10	5.87E-09

382	436894.79	3724613.63	4.93E-08	9.90E-09	5.92E-08	9.75E-09	1.24E-09	1.10E-08	5.24E-08	5.77E-09	5.82E-08	5.40E-09	4.21E-10	5.82E-09
383	436898.82	3724605.17	4.89E-08	9.82E-09	5.88E-08	9.67E-09	1.23E-09	1.09E-08	5.20E-08	5.72E-09	5.77E-08	5.35E-09	4.18E-10	5.77E-09
384	436902.86	3724596.7	4.86E-08	9.75E-09	5.83E-08	9.59E-09	1.22E-09	1.08E-08	5.16E-08	5.68E-09	5.73E-08	5.31E-09	4.15E-10	5.73E-09
385	436906.89	3724588.24	4.82E-08	9.66E-09	5.78E-08	9.51E-09	1.21E-09	1.07E-08	5.12E-08	5.63E-09	5.68E-08	5.27E-09	4.11E-10	5.68E-09
386	436910.92	3724579.78	4.77E-08	9.58E-09	5.73E-08	9.43E-09	1.20E-09	1.06E-08	5.07E-08	5.58E-09	5.63E-08	5.22E-09	4.08E-10	5.63E-09
387	436914.96	3724571.32	4.73E-08	9.49E-09	5.68E-08	9.34E-09	1.19E-09	1.05E-08	5.02E-08	5.53E-09	5.58E-08	5.17E-09	4.04E-10	5.58E-09
388	436850.65	3725860.54	5.96E-08	1.20E-08	7.15E-08	1.18E-08	1.50E-09	1.33E-08	6.33E-08	6.97E-09	7.02E-08	6.52E-09	5.09E-10	7.02E-09
389	436856.97	3725867.58	6.02E-08	1.21E-08	7.23E-08	1.19E-08	1.52E-09	1.34E-08	6.39E-08	7.04E-09	7.10E-08	6.58E-09	5.14E-10	7.10E-09
390	436863.29	3725874.62	6.09E-08	1.22E-08	7.31E-08	1.20E-08	1.54E-09	1.36E-08	6.47E-08	7.12E-09	7.18E-08	6.66E-09	5.20E-10	7.18E-09
391	436817.75	3725878.39	5.61E-08	1.13E-08	6.74E-08	1.11E-08	1.41E-09	1.25E-08	5.96E-08	6.57E-09	6.62E-08	6.14E-09	4.80E-10	6.62E-09
392	436814.62	3725869.52	5.59E-08	1.12E-08	6.71E-08	1.10E-08	1.41E-09	1.24E-08	5.94E-08	6.54E-09	6.59E-08	6.11E-09	4.77E-10	6.59E-09
393	436811.48	3725860.65	5.56E-08	1.12E-08	6.67E-08	1.10E-08	1.40E-09	1.24E-08	5.90E-08	6.50E-09	6.55E-08	6.08E-09	4.75E-10	6.56E-09
394	436808.35	3725851.78	5.53E-08	1.11E-08	6.64E-08	1.09E-08	1.39E-09	1.23E-08	5.88E-08	6.47E-09	6.52E-08	6.05E-09	4.73E-10	6.53E-09
395	436805.22	3725842.91	5.51E-08	1.11E-08	6.61E-08	1.09E-08	1.39E-09	1.23E-08	5.85E-08	6.44E-09	6.49E-08	6.02E-09	4.70E-10	6.50E-09
396	436802.09	3725834.04	5.48E-08	1.10E-08	6.58E-08	1.08E-08	1.38E-09	1.22E-08	5.82E-08	6.41E-09	6.46E-08	6.00E-09	4.68E-10	6.47E-09
397	436798.96	3725825.17	5.46E-08	1.10E-08	6.56E-08	1.08E-08	1.38E-09	1.22E-08	5.80E-08	6.39E-09	6.44E-08	5.98E-09	4.67E-10	6.44E-09
398	436795.82	3725816.31	5.45E-08	1.09E-08	6.54E-08	1.08E-08	1.37E-09	1.21E-08	5.78E-08	6.37E-09	6.42E-08	5.96E-09	4.65E-10	6.42E-09
399	436792.69	3725807.44	5.43E-08	1.09E-08	6.52E-08	1.07E-08	1.37E-09	1.21E-08	5.76E-08	6.35E-09	6.40E-08	5.94E-09	4.64E-10	6.40E-09
400	436789.56	3725798.57	5.41E-08	1.09E-08	6.50E-08	1.07E-08	1.36E-09	1.21E-08	5.75E-08	6.33E-09	6.38E-08	5.92E-09	4.62E-10	6.38E-09
401	436786.43	3725789.7	5.40E-08	1.08E-08	6.48E-08	1.07E-08	1.36E-09	1.20E-08	5.73E-08	6.31E-09	6.36E-08	5.90E-09	4.61E-10	6.37E-09
402	436783.3	3725780.83	5.38E-08	1.08E-08	6.46E-08	1.06E-08	1.36E-09	1.20E-08	5.72E-08	6.29E-09	6.35E-08	5.89E-09	4.60E-10	6.35E-09
403	436657.51	3725025.64	4.40E-08	8.83E-09	5.28E-08	8.69E-09	1.11E-09	9.80E-09	4.67E-08	5.15E-09	5.19E-08	4.81E-09	3.76E-10	5.19E-09
404	436661.55	3725017.15	4.45E-08	8.93E-09	5.34E-08	8.79E-09	1.12E-09	9.91E-09	4.73E-08	5.20E-09	5.25E-08	4.87E-09	3.80E-10	5.25E-09
405	436665.6	3725008.66	4.50E-08	9.02E-09	5.40E-08	8.88E-09	1.13E-09	1.00E-08	4.78E-08	5.26E-09	5.30E-08	4.92E-09	3.84E-10	5.30E-09
406	436669.64	3725000.17	4.55E-08	9.13E-09	5.46E-08	8.98E-09	1.15E-09	1.01E-08	4.83E-08	5.32E-09	5.36E-08	4.98E-09	3.88E-10	5.36E-09
407	436673.69	3724991.67	4.59E-08	9.21E-09	5.51E-08	9.07E-09	1.16E-09	1.02E-08	4.88E-08	5.37E-09	5.41E-08	5.02E-09	3.92E-10	5.42E-09
408	436677.74	3724983.18	4.63E-08	9.29E-09	5.56E-08	9.14E-09	1.17E-09	1.03E-08	4.92E-08	5.41E-09	5.46E-08	5.06E-09	3.95E-10	5.46E-09
409	436681.78	3724974.69	4.67E-08	9.36E-09	5.60E-08	9.22E-09	1.18E-09	1.04E-08	4.96E-08	5.46E-09	5.50E-08	5.10E-09	3.99E-10	5.50E-09
410	436685.83	3724966.2	4.71E-08	9.44E-09	5.65E-08	9.29E-09	1.19E-09	1.05E-08	5.00E-08	5.50E-09	5.55E-08	5.15E-09	4.02E-10	5.55E-09
411	436689.88	3724957.71	4.74E-08	9.51E-09	5.69E-08	9.36E-09	1.19E-09	1.06E-08	5.03E-08	5.54E-09	5.59E-08	5.18E-09	4.05E-10	5.59E-09
412	436693.92	3724949.22	4.77E-08	9.57E-09	5.73E-08	9.42E-09	1.20E-09	1.06E-08	5.07E-08	5.58E-09	5.62E-08	5.22E-09	4.07E-10	5.62E-09
413	436697.97	3724940.73	4.80E-08	9.63E-09	5.76E-08	9.48E-09	1.21E-09	1.07E-08	5.10E-08	5.61E-09	5.66E-08	5.25E-09	4.10E-10	5.66E-09
414	436702.02	3724932.24	4.83E-08	9.69E-09	5.80E-08	9.53E-09	1.22E-09	1.08E-08	5.13E-08	5.65E-09	5.69E-08	5.28E-09	4.12E-10	5.69E-09
415	436706.06	3724923.75	4.86E-08	9.76E-09	5.84E-08	9.61E-09	1.23E-09	1.08E-08	5.17E-08	5.69E-09	5.74E-08	5.32E-09	4.15E-10	5.74E-09
416	436710.11	3724915.25	4.90E-08	9.83E-09	5.88E-08	9.68E-09	1.23E-09	1.09E-08	5.21E-08	5.73E-09	5.78E-08	5.36E-09	4.19E-10	5.78E-09
417	436714.15	3724906.76	4.94E-08	9.91E-09	5.93E-08	9.75E-09	1.24E-09	1.10E-08	5.24E-08	5.77E-09	5.82E-08	5.40E-09	4.22E-10	5.82E-09
418	436718.2	3724898.27	4.97E-08	9.98E-09	5.97E-08	9.83E-09	1.25E-09	1.11E-08	5.28E-08	5.82E-09	5.87E-08	5.44E-09	4.25E-10	5.87E-09
419	436722.25	3724889.78	5.00E-08	1.00E-08	6.00E-08	9.88E-09	1.26E-09	1.11E-08	5.31E-08	5.85E-09	5.90E-08	5.47E-09	4.27E-10	5.90E-09
420	436726.29	3724881.29	5.02E-08	1.01E-08	6.03E-08	9.91E-09	1.26E-09	1.12E-08	5.33E-08	5.87E-09	5.92E-08	5.49E-09	4.29E-10	5.92E-09
421	436730.34	3724872.8	5.03E-08	1.01E-08	6.04E-08	9.94E-09	1.27E-09	1.12E-08	5.35E-08	5.89E-09	5.93E-08	5.51E-09	4.30E-10	5.94E-09
422	436734.39	3724864.31	5.04E-08	1.01E-08	6.06E-08	9.96E-09	1.27E-09	1.12E-08	5.36E-08	5.90E-09	5.95E-08	5.52E-09	4.31E-10	5.95E-09
423	436738.43	3724855.82	5.06E-08	1.02E-08	6.07E-08	9.99E-09	1.27E-09	1.13E-08	5.37E-08	5.92E-09	5.97E-08	5.53E-09	4.32E-10	5.97E-09
424	436742.48	3724847.33	5.07E-08	1.02E-08	6.09E-08	1.00E-08	1.28E-09	1.13E-08	5.39E-08	5.93E-09	5.98E-08	5.55E-09	4.33E-10	5.98E-09
425	436746.53	3724838.83	5.08E-08	1.02E-08	6.10E-08	1.00E-08	1.28E-09	1.13E-08	5.39E-08	5.94E-09	5.99E-08	5.55E-09	4.34E-10	5.99E-09
426	436750.57	3724830.34	5.08E-08	1.02E-08	6.10E-08	1.00E-08	1.28E-09	1.13E-08	5.40E-08	5.95E-09	6.00E-08	5.56E-09	4.34E-10	6.00E-09
427	436754.62	3724821.85	5.09E-08	1.02E-08	6.11E-08	1.01E-08	1.28E-09	1.13E-08	5.41E-08	5.95E-09	6.00E-08	5.57E-09	4.35E-10	6.01E-09
428	436758.66	3724813.36	5.10E-08	1.02E-08	6.12E-08	1.01E-08	1.28E-09	1.13E-08	5.41E-08	5.96E-09	6.01E-08	5.57E-09	4.35E-10	6.01E-09
429	436762.71	3724804.87	5.10E-08	1.02E-08	6.12E-08	1.01E-08	1.28E-09	1.14E-08	5.42E-08	5.96E-09	6.01E-08	5.58E-09	4.36E-10	6.01E-09
430	436766.76	3724796.38	5.10E-08	1.02E-08	6.13E-08	1.01E-08	1.29E-09	1.14E-08	5.42E-08	5.97E-09	6.02E-08	5.58E-09	4.36E-10	6.02E-09
431	436770.8	3724787.89	5.10E-08	1.02E-08	6.13E-08	1.01E-08	1.29E-09	1.14E-08	5.42E-08	5.97E-09	6.02E-08	5.58E-09	4.36E-10	6.02E-09
432	436774.85	3724779.4	5.10E-08	1.02E-08	6.13E-08	1.01E-08	1.29E-09	1.14E-08	5.42E-08	5.97E-09	6.02E-08	5.58E-09	4.36E-10	6.02E-09
433	436778.9	3724770.91	5.10E-08	1.02E-08	6.12E-08	1.01E-08	1.28E-09	1.14E-08	5.42E-08	5.96E-09	6.01E-08	5.58E-09	4.36E-10	6.01E-09
434	436782.94	3724762.41	5.10E-08	1.02E-08	6.12E-08	1.01E-08	1.28E-09	1.13E-08	5.41E-08	5.96E-09	6.01E-08	5.57E-09	4.35E-10	6.01E-09
435	436786.99	3724753.92	5.09E-08	1.02E-08	6.11E-08	1.01E-08	1.28E-09	1.13E-08	5.40E-08	5.95E-09	6.00E-08	5.57E-09	4.35E-10	6.00E-09
436	436791.04	3724745.43	5.08E-08	1.02E-08	6.10E-08	1.00E-08	1.28E-09	1.13E-08	5.40E-08	5.94E-09	5.99E-08	5.56E-09	4.34E-10	5.99E-09
437	436795.08	3724736.94	5.07E-08	1.02E-08	6.09E-08	1.00E-08	1.28E-09	1.13E-08	5.39E-08	5.93E-09	5.98E-08	5.55E-09	4.33E-10	5.98E-09
438	436799.13	3724728.45	5.06E-08	1.02E-08	6.08E-08	1.00E-08	1.28E-09	1.13E-08	5.38E-08	5.92E-09	5.97E-08	5.54E-09	4.32E-10	5.97E-09
439	436803.17	3724719.96	5.05E-08	1.01E-08	6.07E-08	9.98E-09	1.27E-09	1.13E-08	5.37E-08	5.91E-09	5.96E-08	5.53E-09	4.31E-10	5.96E-09
440	436807.22	3724711.47	5.04E-08	1.01E-08	6.05E-08	9.95E-09	1.27E-09	1.12E-08	5.35E-08	5.89E-09	5.94E-08	5.51E-09	4.30E-10	5.94E-09
441	436811.27	3724702.98	5.02E-08	1.01E-08	6.03E-08	9.92E-09	1.27E-09	1.12E-08	5.33E-08	5.87E-09	5.92E-08	5.49E-09	4.29E-10	5.92E-09
442	436815.31	3724694.48	5.01E-08	1.00E-08	6.01E-08	9.89E-09	1.26E-09	1.12E-08	5.32E-08	5.86E-09	5.90E-08	5.48E-09	4.28E-10	5.91E-09
443	436819.36	3724685.99	4.99E-08	1.00E-08	5.99E-08	9.85E-09	1.26E-09	1.11E-08	5.30E-08	5.83E-09	5.88E-08	5.46E-09	4.26E-10	5.88E-09
444	436823.41	3724677.5	4.97E-08	9.97E-09	5.97E-08	9.82E-09	1.25E-09	1.11E-08	5.28E-08	5.81E-09	5.86E-08	5.44E-09	4.25E-10	5.86E-09
445	436827.45	3724669.01	4.95E-08	9.93E-09	5.94E-08	9.77E-09	1.25E-09	1.10E-08	5.26E-08	5.79E-09	5.84E-08	5.41E-09	4.23E-10	5.84E-09
446	436831.5	3724660.52	4.93E-08	9.89E-09	5.92E-08	9.73E-09	1.24E-09	1.10E-08	5.23E-08	5.76E-09	5.81E-08	5.39E-09	4.21E-10	5.81E-09
447	436835.55	3724652.03	4.90E-08	9.83E-09	5.88E-08	9.68E-09	1.23E-09	1.09E-08	5.21E-08	5.73E-09	5.78E-08	5.36E-09	4.19E-10	5.78E-09
448	436839.59	3724643.54	4.88E-08	9.78E-09	5.85E-08	9.63E-09	1.23E-09	1.09E-08	5.18E-08	5.70E-09	5.75E-08	5.33E-09	4.16E-10	5.75E-09
449	436843.64	3724635.05	4.85E-08	9.73E-09	5.82E-08	9.58E-09	1.22E-09	1.08E-08	5.15E-08	5.67E-09	5.72E-08	5.30E-09	4.14E-10	5.72E-09
450	436847.68	3724626.56	4.82E-08	9.67E-09	5.79E-08	9.52E-09	1.21E-09	1.07E-08	5.12E-08	5.64E-09	5.68E-08	5.27E-09	4.12E-10	5.68E-09
451	436851.73	3724618.06	4.79E-08	9.61E-09	5.75E-08	9.46E-09	1.21E-09	1.07E-08	5.09E-08	5.60E-09	5.65E-08	5.24E-09	4.09E-10	5.65E-09
452	436855.78	3724609.57	4.76E-08	9.55E-09	5.71E-08	9.40E-09	1.20E-09	1.06E-08	5.05E-08	5.56E-09	5.61E-08	5.20E-09	4.06E-10	5.61E-09
453	436859.82	3724601.08	4.72E-08	9.48E-09	5.67E-08	9.33E-09	1.19E-09	1.05E-08	5.02E-08	5.52E-09	5.57E-08	5.17E-09	4.04E-10	5.57E-09
454	436863.87	3724592.59	4.69E-08	9.41E-09	5.63E-08	9.27E-09	1.18E-09	1.04E-08	4.98E-08	5.49E-09	5.53E-08	5.13E-09	4.01E-10	5.53E-09
455	436867.92	3724584.1	4.66E-08	9.35E-09	5.59E-08	9.20E-09	1.17E-09	1.04E-08	4.95E-08	5.45E-09	5.49E-08	5.10E-09	3.98E-10	5.49E-09
456	436871.96	3724575.61	4.63E-08	9.28E-09	5.55E-08	9.14E-09	1.17E-09	1.03E-08	4.91E-08	5.41E-09	5.45E-08	5.06E-09	3.95E-10	5.45E-09
457	436876.01	3724567.12	4.59E-08	9.21E-09	5.51E-08	9.07E-09	1.16E-09	1.02E-08	4.88E-08	5.37E-09	5.41E-08	5.02E-09	3.92E-10	5.42E-09
458	436880.05	3724558.63	4.56E-08	9.14E-09	5.47E-08	9.00E-09	1.15E-09	1.01E-08	4.84E-08	5.33E-09	5.37E-08	4.98E-09	3.89E-10	5.37E-09

459	436884.1	3724550.14	4.52E-08	9.07E-09	5.43E-08	8.92E-09	1.14E-09	1.01E-08	4.80E-08	5.28E-09	5.33E-08	4.94E-09	3.86E-10	5.33E-09
460	436888.15	3724541.64	4.48E-08	8.99E-09	5.38E-08	8.84E-09	1.13E-09	9.97E-09	4.76E-08	5.24E-09	5.28E-08	4.90E-09	3.83E-10	5.28E-09
461	436820.88	3725887.26	5.64E-08	1.13E-08	6.78E-08	1.11E-08	1.42E-09	1.26E-08	5.99E-08	6.60E-09	6.65E-08	6.17E-09	4.82E-10	6.66E-09
462	436827.2	3725894.3	5.71E-08	1.14E-08	6.85E-08	1.13E-08	1.44E-09	1.27E-08	6.06E-08	6.67E-09	6.73E-08	6.24E-09	4.87E-10	6.73E-09
463	436833.52	3725901.34	5.77E-08	1.16E-08	6.93E-08	1.14E-08	1.45E-09	1.29E-08	6.13E-08	6.75E-09	6.81E-08	6.31E-09	4.93E-10	6.81E-09
464	436787.97	3725905.08	5.34E-08	1.07E-08	6.41E-08	1.05E-08	1.35E-09	1.19E-08	5.67E-08	6.24E-09	6.29E-08	5.84E-09	4.56E-10	6.30E-09
465	436784.83	3725896.19	5.31E-08	1.07E-08	6.38E-08	1.05E-08	1.34E-09	1.18E-08	5.64E-08	6.21E-09	6.26E-08	5.81E-09	4.54E-10	6.27E-09
466	436781.69	3725887.29	5.29E-08	1.06E-08	6.35E-08	1.04E-08	1.33E-09	1.18E-08	5.62E-08	6.18E-09	6.23E-08	5.78E-09	4.52E-10	6.24E-09
467	436778.55	3725878.39	5.26E-08	1.06E-08	6.32E-08	1.04E-08	1.33E-09	1.17E-08	5.59E-08	6.16E-09	6.21E-08	5.76E-09	4.50E-10	6.21E-09
468	436775.41	3725869.5	5.24E-08	1.05E-08	6.29E-08	1.04E-08	1.32E-09	1.17E-08	5.57E-08	6.13E-09	6.18E-08	5.74E-09	4.48E-10	6.18E-09
469	436772.27	3725860.6	5.22E-08	1.05E-08	6.27E-08	1.03E-08	1.32E-09	1.16E-08	5.55E-08	6.10E-09	6.16E-08	5.71E-09	4.46E-10	6.16E-09
470	436769.12	3725851.7	5.20E-08	1.04E-08	6.24E-08	1.03E-08	1.31E-09	1.16E-08	5.52E-08	6.08E-09	6.13E-08	5.68E-09	4.44E-10	6.13E-09
471	436765.98	3725842.81	5.17E-08	1.04E-08	6.21E-08	1.02E-08	1.30E-09	1.15E-08	5.49E-08	6.04E-09	6.10E-08	5.65E-09	4.42E-10	6.10E-09
472	436762.84	3725833.91	5.14E-08	1.03E-08	6.18E-08	1.02E-08	1.30E-09	1.15E-08	5.46E-08	6.01E-09	6.06E-08	5.63E-09	4.39E-10	6.07E-09
473	436759.7	3725825.01	5.13E-08	1.03E-08	6.15E-08	1.01E-08	1.29E-09	1.14E-08	5.44E-08	5.99E-09	6.04E-08	5.61E-09	4.38E-10	6.04E-09
474	436756.56	3725816.12	5.11E-08	1.03E-08	6.14E-08	1.01E-08	1.29E-09	1.14E-08	5.43E-08	5.98E-09	6.03E-08	5.59E-09	4.37E-10	6.03E-09
475	436753.41	3725807.22	5.09E-08	1.02E-08	6.11E-08	1.01E-08	1.28E-09	1.13E-08	5.41E-08	5.95E-09	6.00E-08	5.57E-09	4.35E-10	6.01E-09
476	436750.27	3725798.32	5.08E-08	1.02E-08	6.10E-08	1.00E-08	1.28E-09	1.13E-08	5.40E-08	5.94E-09	5.99E-08	5.56E-09	4.34E-10	5.99E-09
477	436747.13	3725789.43	5.07E-08	1.02E-08	6.09E-08	1.00E-08	1.28E-09	1.13E-08	5.39E-08	5.93E-09	5.98E-08	5.55E-09	4.33E-10	5.98E-09
478	436650.28	3724954.87	4.41E-08	8.85E-09	5.30E-08	8.71E-09	1.11E-09	9.83E-09	4.69E-08	5.16E-09	5.20E-08	4.83E-09	3.77E-10	5.20E-09
479	436654.34	3724946.36	4.44E-08	8.91E-09	5.33E-08	8.77E-09	1.12E-09	9.89E-09	4.72E-08	5.19E-09	5.24E-08	4.86E-09	3.79E-10	5.24E-09
480	436658.4	3724937.84	4.46E-08	8.96E-09	5.36E-08	8.82E-09	1.12E-09	9.94E-09	4.74E-08	5.22E-09	5.26E-08	4.88E-09	3.81E-10	5.26E-09
481	436662.46	3724929.32	4.49E-08	9.01E-09	5.39E-08	8.87E-09	1.13E-09	1.00E-08	4.77E-08	5.25E-09	5.29E-08	4.91E-09	3.83E-10	5.29E-09
482	436666.52	3724920.8	4.52E-08	9.07E-09	5.43E-08	8.92E-09	1.14E-09	1.01E-08	4.80E-08	5.28E-09	5.33E-08	4.94E-09	3.86E-10	5.33E-09
483	436670.58	3724912.29	4.54E-08	9.12E-09	5.46E-08	8.98E-09	1.15E-09	1.01E-08	4.83E-08	5.31E-09	5.36E-08	4.97E-09	3.88E-10	5.36E-09
484	436674.63	3724903.77	4.57E-08	9.17E-09	5.49E-08	9.03E-09	1.15E-09	1.02E-08	4.85E-08	5.34E-09	5.39E-08	5.00E-09	3.90E-10	5.39E-09
485	436678.69	3724895.25	4.59E-08	9.21E-09	5.51E-08	9.07E-09	1.16E-09	1.02E-08	4.88E-08	5.37E-09	5.41E-08	5.02E-09	3.92E-10	5.42E-09
486	436682.75	3724886.73	4.61E-08	9.26E-09	5.54E-08	9.11E-09	1.16E-09	1.03E-08	4.90E-08	5.40E-09	5.44E-08	5.05E-09	3.94E-10	5.44E-09
487	436686.81	3724878.22	4.64E-08	9.30E-09	5.57E-08	9.16E-09	1.17E-09	1.03E-08	4.92E-08	5.42E-09	5.47E-08	5.07E-09	3.96E-10	5.47E-09
488	436690.87	3724869.7	4.65E-08	9.34E-09	5.59E-08	9.19E-09	1.17E-09	1.04E-08	4.94E-08	5.44E-09	5.49E-08	5.09E-09	3.98E-10	5.49E-09
489	436694.93	3724861.18	4.68E-08	9.39E-09	5.62E-08	9.24E-09	1.18E-09	1.04E-08	4.97E-08	5.47E-09	5.52E-08	5.12E-09	4.00E-10	5.52E-09
490	436698.99	3724852.66	4.70E-08	9.44E-09	5.65E-08	9.29E-09	1.18E-09	1.05E-08	4.99E-08	5.50E-09	5.54E-08	5.14E-09	4.02E-10	5.55E-09
491	436703.05	3724844.15	4.73E-08	9.49E-09	5.68E-08	9.34E-09	1.19E-09	1.05E-08	5.02E-08	5.53E-09	5.58E-08	5.17E-09	4.04E-10	5.58E-09
492	436707.11	3724835.63	4.76E-08	9.55E-09	5.71E-08	9.40E-09	1.20E-09	1.06E-08	5.05E-08	5.56E-09	5.61E-08	5.20E-09	4.06E-10	5.61E-09
493	436711.16	3724827.11	4.78E-08	9.59E-09	5.74E-08	9.44E-09	1.20E-09	1.06E-08	5.08E-08	5.59E-09	5.64E-08	5.23E-09	4.08E-10	5.64E-09
494	436715.22	3724818.6	4.80E-08	9.63E-09	5.77E-08	9.48E-09	1.21E-09	1.07E-08	5.10E-08	5.62E-09	5.66E-08	5.25E-09	4.10E-10	5.66E-09
495	436719.28	3724810.08	4.83E-08	9.69E-09	5.80E-08	9.53E-09	1.22E-09	1.08E-08	5.13E-08	5.65E-09	5.69E-08	5.28E-09	4.12E-10	5.69E-09
496	436723.34	3724801.56	4.83E-08	9.70E-09	5.80E-08	9.55E-09	1.22E-09	1.08E-08	5.14E-08	5.65E-09	5.70E-08	5.29E-09	4.13E-10	5.70E-09
497	436727.4	3724793.04	4.84E-08	9.71E-09	5.81E-08	9.56E-09	1.22E-09	1.08E-08	5.14E-08	5.66E-09	5.71E-08	5.29E-09	4.13E-10	5.71E-09
498	436731.46	3724784.53	4.84E-08	9.71E-09	5.81E-08	9.56E-09	1.22E-09	1.08E-08	5.14E-08	5.66E-09	5.71E-08	5.29E-09	4.13E-10	5.71E-09
499	436735.52	3724776.01	4.84E-08	9.72E-09	5.81E-08	9.56E-09	1.22E-09	1.08E-08	5.14E-08	5.66E-09	5.71E-08	5.30E-09	4.14E-10	5.71E-09
500	436739.58	3724767.49	4.84E-08	9.72E-09	5.81E-08	9.56E-09	1.22E-09	1.08E-08	5.14E-08	5.66E-09	5.71E-08	5.30E-09	4.14E-10	5.71E-09
501	436743.63	3724758.97	4.84E-08	9.72E-09	5.81E-08	9.56E-09	1.22E-09	1.08E-08	5.14E-08	5.66E-09	5.71E-08	5.30E-09	4.14E-10	5.71E-09
502	436747.69	3724750.46	4.84E-08	9.71E-09	5.81E-08	9.56E-09	1.22E-09	1.08E-08	5.14E-08	5.66E-09	5.71E-08	5.29E-09	4.13E-10	5.71E-09
503	436751.75	3724741.94	4.83E-08	9.70E-09	5.80E-08	9.55E-09	1.22E-09	1.08E-08	5.14E-08	5.65E-09	5.70E-08	5.29E-09	4.13E-10	5.70E-09
504	436755.81	3724733.42	4.83E-08	9.69E-09	5.80E-08	9.53E-09	1.22E-09	1.08E-08	5.13E-08	5.65E-09	5.69E-08	5.28E-09	4.12E-10	5.69E-09
505	436759.87	3724724.9	4.82E-08	9.67E-09	5.79E-08	9.52E-09	1.21E-09	1.07E-08	5.12E-08	5.64E-09	5.68E-08	5.27E-09	4.12E-10	5.68E-09
506	436763.93	3724716.39	4.81E-08	9.66E-09	5.78E-08	9.51E-09	1.21E-09	1.07E-08	5.11E-08	5.63E-09	5.67E-08	5.26E-09	4.11E-10	5.68E-09
507	436767.99	3724707.87	4.80E-08	9.63E-09	5.77E-08	9.48E-09	1.21E-09	1.07E-08	5.10E-08	5.62E-09	5.66E-08	5.25E-09	4.10E-10	5.66E-09
508	436772.05	3724699.35	4.79E-08	9.61E-09	5.75E-08	9.46E-09	1.21E-09	1.07E-08	5.09E-08	5.60E-09	5.65E-08	5.24E-09	4.09E-10	5.65E-09
509	436776.11	3724690.84	4.78E-08	9.59E-09	5.74E-08	9.44E-09	1.20E-09	1.06E-08	5.08E-08	5.59E-09	5.64E-08	5.23E-09	4.08E-10	5.64E-09
510	436780.16	3724682.32	4.76E-08	9.56E-09	5.72E-08	9.41E-09	1.20E-09	1.06E-08	5.06E-08	5.57E-09	5.62E-08	5.21E-09	4.07E-10	5.62E-09
511	436784.22	3724673.8	4.75E-08	9.53E-09	5.70E-08	9.38E-09	1.20E-09	1.06E-08	5.05E-08	5.55E-09	5.60E-08	5.20E-09	4.06E-10	5.60E-09
512	436788.28	3724665.28	4.74E-08	9.50E-09	5.69E-08	9.35E-09	1.19E-09	1.05E-08	5.03E-08	5.54E-09	5.58E-08	5.18E-09	4.04E-10	5.58E-09
513	436792.34	3724656.77	4.72E-08	9.47E-09	5.67E-08	9.32E-09	1.19E-09	1.05E-08	5.01E-08	5.52E-09	5.57E-08	5.16E-09	4.03E-10	5.57E-09
514	436796.4	3724648.25	4.70E-08	9.44E-09	5.65E-08	9.29E-09	1.18E-09	1.05E-08	4.99E-08	5.50E-09	5.54E-08	5.14E-09	4.02E-10	5.55E-09
515	436800.46	3724639.73	4.68E-08	9.39E-09	5.62E-08	9.24E-09	1.18E-09	1.04E-08	4.97E-08	5.47E-09	5.52E-08	5.12E-09	4.00E-10	5.52E-09
516	436804.52	3724631.21	4.66E-08	9.35E-09	5.60E-08	9.21E-09	1.17E-09	1.04E-08	4.95E-08	5.45E-09	5.50E-08	5.10E-09	3.98E-10	5.50E-09
517	436808.58	3724622.7	4.64E-08	9.30E-09	5.57E-08	9.16E-09	1.17E-09	1.03E-08	4.92E-08	5.42E-09	5.47E-08	5.07E-09	3.96E-10	5.47E-09
518	436812.64	3724614.18	4.61E-08	9.25E-09	5.54E-08	9.11E-09	1.16E-09	1.03E-08	4.90E-08	5.39E-09	5.44E-08	5.04E-09	3.94E-10	5.44E-09
519	436816.69	3724605.66	4.58E-08	9.20E-09	5.50E-08	9.06E-09	1.16E-09	1.02E-08	4.87E-08	5.36E-09	5.41E-08	5.02E-09	3.92E-10	5.41E-09
520	436820.75	3724597.14	4.56E-08	9.15E-09	5.47E-08	9.00E-09	1.15E-09	1.02E-08	4.84E-08	5.33E-09	5.38E-08	4.99E-09	3.89E-10	5.38E-09
521	436824.81	3724588.63	4.53E-08	9.09E-09	5.44E-08	8.95E-09	1.14E-09	1.01E-08	4.81E-08	5.30E-09	5.34E-08	4.96E-09	3.87E-10	5.34E-09
522	436828.87	3724580.11	4.50E-08	9.03E-09	5.40E-08	8.89E-09	1.13E-09	1.00E-08	4.78E-08	5.26E-09	5.31E-08	4.92E-09	3.84E-10	5.31E-09
523	436832.93	3724571.59	4.47E-08	8.97E-09	5.37E-08	8.83E-09	1.13E-09	9.96E-09	4.75E-08	5.23E-09	5.27E-08	4.89E-09	3.82E-10	5.27E-09
524	436836.99	3724563.07	4.45E-08	8.92E-09	5.34E-08	8.78E-09	1.12E-09	9.90E-09	4.72E-08	5.20E-09	5.24E-08	4.86E-09	3.80E-10	5.24E-09
525	436841.05	3724554.56	4.42E-08	8.86E-09	5.30E-08	8.72E-09	1.11E-09	9.83E-09	4.69E-08	5.16E-09	5.21E-08	4.83E-09	3.77E-10	5.21E-09
526	436845.11	3724546.04	4.39E-08	8.80E-09	5.27E-08	8.66E-09	1.11E-09	9.77E-09	4.66E-08	5.13E-09	5.17E-08	4.80E-09	3.75E-10	5.17E-09
527	436849.16	3724537.52	4.33E-08	8.69E-09	5.20E-08	8.55E-09	1.09E-09	9.65E-09	4.60E-08	5.06E-09	5.11E-08	4.74E-09	3.70E-10	5.11E-09
528	436853.22	3724529.01	4.28E-08	8.58E-09	5.13E-08	8.45E-09	1.08E-09	9.52E-09	4.54E-08	5.00E-09	5.04E-08	4.68E-09	3.65E-10	5.04E-09
529	436857.28	3724520.49	4.22E-08	8.48E-09	5.07E-08	8.34E-09	1.06E-09	9.41E-09	4.49E-08	4.94E-09	4.98E-08	4.62E-09	3.61E-10	4.98E-09
530	436861.34	3724511.97	4.20E-08	8.42E-09	5.04E-08	8.29E-09	1.06E-09	9.34E-09	4.46E-08	4.91E-09	4.95E-08	4.59E-09	3.58E-10	4.95E-09
531	436791.12	3725913.98	5.37E-08	1.08E-08	6.44E-08	1.06E-08	1.35E-09	1.20E-08	5.70E-08	6.28E-09	6.33E-08	5.87E-09	4.58E-10	6.33E-09
532	436797.44	3725921.02	5.43E-08	1.09E-08	6.52E-08	1.07E-08	1.37E-09	1.21E-08	5.76E-08	6.35E-09	6.40E-08	5.94E-09	4.64E-10	6.40E-09
533	436803.76	3725928.06	5.48E-08	1.10E-08	6.58E-08	1.08E-08	1.38E-09	1.22E-08	5.82E-08	6.41E-09	6.46E-08	6.00E-09	4.68E-10	6.47E-09
534	437276.64	3725541.49	2.91E-07	5.85E-08	3.50E-07	5.75E-08	7.34E-09	6.49E-08	3.09E-07	3.41E-08	3.44E-07	3.19E-08	2.49E-09	3.44E-08
535	437288.46	3725554.53	3.02E-07	6.06E-08	3.62E-07	5.96E-08	7.61E-09	6.72E-08	3.21E-07	3.53E-08	3.56E-07	3.30E-08	2.58E-09	3.56E-08

536	437300.27	3725567.56	3.15E-07	6.32E-08	3.78E-07	6.22E-08	7.94E-09	7.01E-08	3.35E-07	3.68E-08	3.71E-07	3.45E-08	2.69E-09	3.71E-08
537	437242.6	3725548.61	2.43E-07	4.87E-08	2.91E-07	4.79E-08	6.12E-09	5.40E-08	2.58E-07	2.84E-08	2.86E-07	2.65E-08	2.07E-09	2.86E-08
538	437254.42	3725561.64	2.54E-07	5.09E-08	3.05E-07	5.01E-08	6.40E-09	5.65E-08	2.70E-07	2.97E-08	2.99E-07	2.78E-08	2.17E-09	2.99E-08
539	437244	3725594.82	2.30E-07	4.62E-08	2.76E-07	4.54E-08	5.80E-09	5.12E-08	2.44E-07	2.69E-08	2.71E-07	2.52E-08	1.97E-09	2.71E-08
540	437255.81	3725607.85	2.41E-07	4.83E-08	2.89E-07	4.76E-08	6.07E-09	5.36E-08	2.56E-07	2.82E-08	2.84E-07	2.64E-08	2.06E-09	2.84E-08
541	437198.15	3725588.9	1.87E-07	3.76E-08	2.25E-07	3.70E-08	4.72E-09	4.17E-08	1.99E-07	2.19E-08	2.21E-07	2.05E-08	1.60E-09	2.21E-08
542	437209.96	3725601.93	1.95E-07	3.91E-08	2.34E-07	3.85E-08	4.91E-09	4.34E-08	2.07E-07	2.28E-08	2.30E-07	2.13E-08	1.67E-09	2.30E-08
543	437221.77	3725614.97	2.03E-07	4.08E-08	2.44E-07	4.01E-08	5.12E-09	4.53E-08	2.16E-07	2.38E-08	2.40E-07	2.22E-08	1.74E-09	2.40E-08
544	437233.58	3725628	2.12E-07	4.26E-08	2.55E-07	4.19E-08	5.35E-09	4.73E-08	2.25E-07	2.48E-08	2.50E-07	2.32E-08	1.81E-09	2.50E-08
545	437175.92	3725609.05	1.65E-07	3.32E-08	1.99E-07	3.27E-08	4.17E-09	3.69E-08	1.76E-07	1.94E-08	1.95E-07	1.81E-08	1.41E-09	1.95E-08
546	437199.54	3725635.11	1.80E-07	3.60E-08	2.16E-07	3.55E-08	4.53E-09	4.00E-08	1.91E-07	2.10E-08	2.12E-07	1.96E-08	1.53E-09	2.12E-08
547	437153.69	3725629.2	1.47E-07	2.95E-08	1.77E-07	2.91E-08	3.71E-09	3.28E-08	1.56E-07	1.72E-08	1.73E-07	1.61E-08	1.26E-09	1.73E-08
548	437165.5	3725642.23	1.53E-07	3.07E-08	1.84E-07	3.03E-08	3.86E-09	3.41E-08	1.63E-07	1.79E-08	1.81E-07	1.68E-08	1.31E-09	1.81E-08
549	437131.46	3725649.34	1.33E-07	2.67E-08	1.60E-07	2.63E-08	3.35E-09	2.96E-08	1.41E-07	1.56E-08	1.57E-07	1.46E-08	1.14E-09	1.57E-08
550	437143.28	3725662.38	1.38E-07	2.77E-08	1.66E-07	2.73E-08	3.48E-09	3.07E-08	1.47E-07	1.61E-08	1.63E-07	1.51E-08	1.18E-09	1.63E-08
551	437155.09	3725675.41	1.43E-07	2.87E-08	1.72E-07	2.83E-08	3.61E-09	3.19E-08	1.52E-07	1.68E-08	1.69E-07	1.57E-08	1.22E-09	1.69E-08
552	437166.9	3725688.44	1.49E-07	2.99E-08	1.79E-07	2.94E-08	3.75E-09	3.31E-08	1.58E-07	1.74E-08	1.75E-07	1.63E-08	1.27E-09	1.76E-08
553	437079.6	3725696.35	1.06E-07	2.13E-08	1.28E-07	2.10E-08	2.68E-09	2.37E-08	1.13E-07	1.24E-08	1.25E-07	1.16E-08	9.08E-10	1.25E-08
554	437091.41	3725709.39	1.10E-07	2.20E-08	1.31E-07	2.16E-08	2.76E-09	2.44E-08	1.16E-07	1.28E-08	1.29E-07	1.20E-08	9.36E-10	1.29E-08
555	437103.22	3725722.42	1.13E-07	2.27E-08	1.36E-07	2.23E-08	2.85E-09	2.52E-08	1.20E-07	1.32E-08	1.33E-07	1.24E-08	9.65E-10	1.33E-08
556	437049.96	3725723.22	9.55E-08	1.92E-08	1.15E-07	1.89E-08	2.41E-09	2.13E-08	1.01E-07	1.12E-08	1.13E-07	1.04E-08	8.16E-10	1.13E-08
557	437032.13	3725763.11	8.92E-08	1.79E-08	1.07E-07	1.76E-08	2.25E-09	1.99E-08	9.48E-08	1.04E-08	1.05E-07	9.76E-09	7.62E-10	1.05E-08
558	436990.68	3725776.94	8.11E-08	1.63E-08	9.73E-08	1.60E-08	2.04E-09	1.81E-08	8.61E-08	9.48E-09	9.56E-08	8.87E-09	6.92E-10	9.56E-09
559	437002.5	3725789.98	8.26E-08	1.66E-08	9.92E-08	1.63E-08	2.08E-09	1.84E-08	8.78E-08	9.66E-09	9.74E-08	9.04E-09	7.06E-10	9.74E-09
560	437014.31	3725803.01	8.41E-08	1.69E-08	1.01E-07	1.66E-08	2.12E-09	1.87E-08	8.94E-08	9.84E-09	9.92E-08	9.20E-09	7.19E-10	9.92E-09
561	437026.12	3725816.04	8.60E-08	1.72E-08	1.03E-07	1.70E-08	2.17E-09	1.91E-08	9.13E-08	1.01E-08	1.01E-07	9.40E-09	7.34E-10	1.01E-08
562	436961.05	3725803.81	7.58E-08	1.52E-08	9.11E-08	1.50E-08	1.91E-09	1.69E-08	8.06E-08	8.87E-09	8.94E-08	8.30E-09	6.48E-10	8.95E-09
563	436972.86	3725816.84	7.72E-08	1.55E-08	9.27E-08	1.52E-08	1.94E-09	1.72E-08	8.20E-08	9.02E-09	9.10E-08	8.44E-09	6.59E-10	9.10E-09
564	436984.67	3725829.87	7.85E-08	1.57E-08	9.42E-08	1.55E-08	1.98E-09	1.75E-08	8.33E-08	9.18E-09	9.25E-08	8.58E-09	6.70E-10	9.25E-09
565	436996.48	3725842.9	7.99E-08	1.60E-08	9.60E-08	1.58E-08	2.01E-09	1.78E-08	8.49E-08	9.35E-09	9.42E-08	8.74E-09	6.83E-10	9.43E-09
566	436931.41	3725830.67	7.06E-08	1.42E-08	8.47E-08	1.39E-08	1.78E-09	1.57E-08	7.49E-08	8.25E-09	8.32E-08	7.72E-09	6.03E-10	8.32E-09
567	436943.22	3725843.7	7.20E-08	1.44E-08	8.64E-08	1.42E-08	1.81E-09	1.60E-08	7.64E-08	8.41E-09	8.48E-08	7.87E-09	6.15E-10	8.49E-09
568	436955.03	3725856.73	7.35E-08	1.47E-08	8.82E-08	1.45E-08	1.85E-09	1.64E-08	7.81E-08	8.59E-09	8.67E-08	8.04E-09	6.28E-10	8.67E-09
569	436966.85	3725869.77	7.51E-08	1.51E-08	9.01E-08	1.48E-08	1.89E-09	1.67E-08	7.97E-08	8.78E-09	8.85E-08	8.21E-09	6.41E-10	8.85E-09
570	436901.77	3725857.53	6.58E-08	1.32E-08	7.91E-08	1.30E-08	1.66E-09	1.47E-08	6.99E-08	7.70E-09	7.76E-08	7.20E-09	5.62E-10	7.77E-09
571	436913.58	3725870.57	6.75E-08	1.35E-08	8.10E-08	1.33E-08	1.70E-09	1.50E-08	7.17E-08	7.89E-09	7.96E-08	7.38E-09	5.76E-10	7.96E-09
572	436925.4	3725883.6	6.92E-08	1.39E-08	8.31E-08	1.37E-08	1.74E-09	1.54E-08	7.35E-08	8.09E-09	8.16E-08	7.57E-09	5.91E-10	8.16E-09
573	436937.21	3725896.63	7.08E-08	1.42E-08	8.51E-08	1.40E-08	1.79E-09	1.58E-08	7.53E-08	8.29E-09	8.35E-08	7.75E-09	6.05E-10	8.36E-09
574	436872.14	3725884.4	6.21E-08	1.25E-08	7.45E-08	1.23E-08	1.56E-09	1.38E-08	6.59E-08	7.26E-09	7.32E-08	6.79E-09	5.30E-10	7.32E-09
575	436883.95	3725897.43	6.36E-08	1.28E-08	7.64E-08	1.26E-08	1.60E-09	1.42E-08	6.76E-08	7.44E-09	7.50E-08	6.96E-09	5.44E-10	7.51E-09
576	436895.76	3725910.46	6.53E-08	1.31E-08	7.84E-08	1.29E-08	1.65E-09	1.45E-08	6.94E-08	7.64E-09	7.70E-08	7.14E-09	5.58E-10	7.70E-09
577	436907.57	3725923.49	6.70E-08	1.34E-08	8.04E-08	1.32E-08	1.69E-09	1.49E-08	7.12E-08	7.83E-09	7.90E-08	7.33E-09	5.72E-10	7.90E-09
578	436842.5	3725911.26	5.87E-08	1.18E-08	7.05E-08	1.16E-08	1.48E-09	1.31E-08	6.23E-08	6.86E-09	6.92E-08	6.42E-09	5.01E-10	6.92E-09
579	436854.31	3725924.29	6.01E-08	1.21E-08	7.21E-08	1.19E-08	1.51E-09	1.34E-08	6.38E-08	7.03E-09	7.08E-08	6.57E-09	5.13E-10	7.09E-09
580	436866.12	3725937.32	6.17E-08	1.24E-08	7.40E-08	1.22E-08	1.55E-09	1.37E-08	6.55E-08	7.21E-09	7.27E-08	6.74E-09	5.27E-10	7.27E-09
581	436877.94	3725950.36	6.32E-08	1.27E-08	7.59E-08	1.25E-08	1.59E-09	1.41E-08	6.71E-08	7.39E-09	7.45E-08	6.91E-09	5.40E-10	7.45E-09
582	436812.86	3725938.12	5.57E-08	1.12E-08	6.69E-08	1.10E-08	1.40E-09	1.24E-08	5.92E-08	6.52E-09	6.57E-08	6.10E-09	4.76E-10	6.57E-09
583	436824.67	3725951.15	5.71E-08	1.15E-08	6.86E-08	1.13E-08	1.44E-09	1.27E-08	6.06E-08	6.68E-09	6.73E-08	6.25E-09	4.88E-10	6.73E-09
584	436836.49	3725964.19	5.85E-08	1.17E-08	7.03E-08	1.16E-08	1.47E-09	1.30E-08	6.22E-08	6.84E-09	6.90E-08	6.40E-09	5.00E-10	6.90E-09
585	436848.3	3725977.22	6.00E-08	1.20E-08	7.20E-08	1.18E-08	1.51E-09	1.34E-08	6.37E-08	7.01E-09	7.07E-08	6.56E-09	5.12E-10	7.07E-09
586	436967.74	3725574.4	8.25E-08	1.65E-08	9.90E-08	1.63E-08	2.08E-09	1.84E-08	8.76E-08	9.64E-09	9.72E-08	9.02E-09	7.04E-10	9.73E-09
587	436930.83	3725589.82	7.40E-08	1.48E-08	8.88E-08	1.46E-08	1.86E-09	1.65E-08	7.86E-08	8.65E-09	8.72E-08	8.09E-09	6.32E-10	8.72E-09
588	436893.93	3725605.25	6.75E-08	1.35E-08	8.10E-08	1.33E-08	1.70E-09	1.50E-08	7.17E-08	7.89E-09	7.96E-08	7.38E-09	5.77E-10	7.96E-09
589	436857.02	3725620.68	6.20E-08	1.24E-08	7.44E-08	1.22E-08	1.56E-09	1.38E-08	6.58E-08	7.24E-09	7.30E-08	6.78E-09	5.29E-10	7.31E-09
590	436820.12	3725636.1	5.81E-08	1.17E-08	6.97E-08	1.15E-08	1.46E-09	1.29E-08	6.17E-08	6.79E-09	6.85E-08	6.35E-09	4.96E-10	6.85E-09
591	436730.34	3725021.93	5.06E-08	1.02E-08	6.07E-08	9.99E-09	1.27E-09	1.13E-08	5.37E-08	5.92E-09	5.97E-08	5.53E-09	4.32E-10	5.97E-09
592	436692.61	3725008.65	4.75E-08	9.54E-09	5.71E-08	9.39E-09	1.20E-09	1.06E-08	5.05E-08	5.56E-09	5.61E-08	5.20E-09	4.06E-10	5.61E-09
593	436654.87	3724995.37	4.43E-08	8.88E-09	5.31E-08	8.74E-09	1.12E-09	9.86E-09	4.70E-08	5.18E-09	5.22E-08	4.84E-09	3.78E-10	5.22E-09
594	437486.31	3725583.06	9.45E-07	1.90E-07	1.14E-06	1.87E-07	2.38E-08	2.11E-07	1.00E-06	1.11E-07	1.11E-06	1.03E-07	8.08E-09	1.11E-07
595	437493.69	3725589.34	9.72E-07	1.95E-07	1.17E-06	1.92E-07	2.45E-08	2.17E-07	1.03E-06	1.14E-07	1.15E-06	1.06E-07	8.31E-09	1.15E-07
596	437501.08	3725595.62	9.98E-07	2.00E-07	1.20E-06	1.97E-07	2.51E-08	2.22E-07	1.06E-06	1.17E-07	1.18E-06	1.09E-07	8.52E-09	1.18E-07
597	437508.47	3725601.9	1.02E-06	2.05E-07	1.23E-06	2.02E-07	2.58E-08	2.28E-07	1.09E-06	1.20E-07	1.21E-06	1.12E-07	8.75E-09	1.21E-07
598	437436.41	3725566.9	6.78E-07	1.36E-07	8.14E-07	1.34E-07	1.71E-08	1.51E-07	7.20E-07	7.93E-08	7.99E-07	7.42E-08	5.79E-09	7.99E-08
599	437443.8	3725573.18	7.03E-07	1.41E-07	8.43E-07	1.39E-07	1.77E-08	1.56E-07	7.46E-07	8.22E-08	8.28E-07	7.69E-08	6.00E-09	8.29E-08
600	437451.19	3725579.46	7.29E-07	1.46E-07	8.75E-07	1.44E-07	1.84E-08	1.62E-07	7.74E-07	8.52E-08	8.59E-07	7.97E-08	6.22E-09	8.59E-08
601	437458.58	3725585.74	7.55E-07	1.51E-07	9.06E-07	1.49E-07	1.90E-08	1.68E-07	8.02E-07	8.82E-08	8.90E-07	8.26E-08	6.45E-09	8.90E-08
602	437465.96	3725592.02	7.81E-07	1.57E-07	9.38E-07	1.54E-07	1.97E-08	1.74E-07	8.29E-07	9.13E-08	9.21E-07	8.54E-08	6.67E-09	9.21E-08
603	437473.35	3725598.3	8.05E-07	1.62E-07	9.66E-07	1.59E-07	2.03E-08	1.79E-07	8.55E-07	9.41E-08	9.49E-07	8.81E-08	6.88E-09	9.49E-08
604	437480.74	3725604.58	8.27E-07	1.66E-07	9.93E-07	1.63E-07	2.08E-08	1.84E-07	8.78E-07	9.67E-08	9.75E-07	9.04E-08	7.06E-09	9.75E-08
605	437488.13	3725610.86	8.49E-07	1.70E-07	1.02E-06	1.68E-07	2.14E-08	1.89E-07	9.02E-07	9.93E-08	1.00E-06	9.29E-08	7.25E-09	1.00E-07
606	437495.52	3725617.14	8.71E-07	1.75E-07	1.05E-06	1.72E-07	2.20E-08	1.94E-07	9.25E-07	1.02E-07	1.03E-06	9.53E-08	7.44E-09	1.03E-07
607	437396.27	3725555.39	5.30E-07	1.06E-07	6.36E-07	1.05E-07	1.34E-08	1.18E-07	5.63E-07	6.20E-08	6.25E-07	5.80E-08	4.53E-09	6.25E-08
608	437401.29	3725563.3	5.37E-07	1.08E-07	6.44E-07	1.06E-07	1.35E-08	1.20E-07	5.70E-07	6.28E-08	6.33E-07	5.87E-08	4.58E-09	6.33E-08
609	437408.68	3725569.58	5.52E-07	1.11E-07	6.63E-07	1.09E-07	1.39E-08	1.23E-07	5.87E-07	6.46E-08	6.51E-07	6.04E-08	4.72E-09	6.51E-08
610	437423.46	3725582.14	5.89E-07	1.18E-07	7.07E-07	1.16E-07	1.48E-08	1.31E-07	6.26E-07	6.89E-08	6.95E-07	6.45E-08	5.03E-09	6.95E-08
611	437430.84	3725588.42	6.08E-07	1.22E-07	7.30E-07	1.20E-07	1.53E-08	1.35E-07	6.46E-07	7.11E-08	7.17E-07	6.66E-08	5.20E-09	7.18E-08
612	437438.23	3725594.7	6.28E-07	1.26E-07	7.54E-07	1.24E-07	1.58E-08	1.40E-07	6.67E-07	7.35E-08	7.41E-07	6.87E-08	5.37E-09	7.41E-08

613	437445.62	3725600.98	6.48E-07	1.30E-07	7.78E-07	1.28E-07	1.63E-08	1.44E-07	6.88E-07	7.58E-08	7.64E-07	7.09E-08	5.53E-09	7.64E-08
614	437453.01	3725607.26	6.68E-07	1.34E-07	8.02E-07	1.32E-07	1.68E-08	1.49E-07	7.09E-07	7.81E-08	7.87E-07	7.31E-08	5.70E-09	7.88E-08
615	437460.4	3725613.54	6.88E-07	1.38E-07	8.26E-07	1.36E-07	1.73E-08	1.53E-07	7.31E-07	8.05E-08	8.11E-07	7.53E-08	5.88E-09	8.11E-08
616	437467.79	3725619.82	7.09E-07	1.42E-07	8.51E-07	1.40E-07	1.79E-08	1.58E-07	7.53E-07	8.29E-08	8.36E-07	7.75E-08	6.05E-09	8.36E-08
617	437475.18	3725626.1	7.28E-07	1.46E-07	8.74E-07	1.44E-07	1.83E-08	1.62E-07	7.73E-07	8.51E-08	8.58E-07	7.96E-08	6.22E-09	8.58E-08
618	437482.57	3725632.38	7.46E-07	1.50E-07	8.96E-07	1.47E-07	1.88E-08	1.66E-07	7.92E-07	8.72E-08	8.80E-07	8.16E-08	6.37E-09	8.80E-08
619	437376.87	3725578.29	4.49E-07	9.01E-08	5.39E-07	8.87E-08	1.13E-08	1.00E-07	4.77E-07	5.25E-08	5.30E-07	4.91E-08	3.84E-09	5.30E-08
620	437371.87	3725570.41	4.45E-07	8.92E-08	5.34E-07	8.79E-08	1.12E-08	9.91E-08	4.72E-07	5.20E-08	5.24E-07	4.87E-08	3.80E-09	5.25E-08
621	437366.88	3725562.54	4.40E-07	8.83E-08	5.28E-07	8.69E-08	1.11E-08	9.80E-08	4.68E-07	5.15E-08	5.19E-07	4.81E-08	3.76E-09	5.19E-08
622	437361.89	3725554.67	4.35E-07	8.73E-08	5.22E-07	8.59E-08	1.10E-08	9.68E-08	4.62E-07	5.09E-08	5.13E-07	4.76E-08	3.71E-09	5.13E-08
623	437381.86	3725586.16	4.53E-07	9.10E-08	5.44E-07	8.95E-08	1.14E-08	1.01E-07	4.82E-07	5.30E-08	5.35E-07	4.96E-08	3.87E-09	5.35E-08
624	437389.25	3725592.44	4.65E-07	9.33E-08	5.58E-07	9.19E-08	1.17E-08	1.04E-07	4.94E-07	5.44E-08	5.48E-07	5.09E-08	3.97E-09	5.49E-08
625	437396.64	3725598.72	4.76E-07	9.55E-08	5.72E-07	9.40E-08	1.20E-08	1.06E-07	5.06E-07	5.57E-08	5.61E-07	5.21E-08	4.07E-09	5.62E-08
626	437404.03	3725605	4.87E-07	9.77E-08	5.85E-07	9.62E-08	1.23E-08	1.08E-07	5.17E-07	5.70E-08	5.74E-07	5.33E-08	4.16E-09	5.74E-08
627	437455.75	3725648.96	5.88E-07	1.18E-07	7.06E-07	1.16E-07	1.48E-08	1.31E-07	6.24E-07	6.87E-08	6.93E-07	6.43E-08	5.02E-09	6.93E-08
628	437463.14	3725655.24	6.02E-07	1.21E-07	7.23E-07	1.19E-07	1.52E-08	1.34E-07	6.40E-07	7.04E-08	7.10E-07	6.59E-08	5.14E-09	7.10E-08
629	437357.46	3725601.18	3.90E-07	7.82E-08	4.68E-07	7.70E-08	9.82E-09	8.68E-08	4.14E-07	4.56E-08	4.59E-07	4.26E-08	3.33E-09	4.59E-08
630	437352.49	3725593.34	3.87E-07	7.76E-08	4.64E-07	7.64E-08	9.74E-09	8.61E-08	4.11E-07	4.52E-08	4.56E-07	4.23E-08	3.30E-09	4.56E-08
631	437362.43	3725609.02	3.92E-07	7.86E-08	4.71E-07	7.74E-08	9.88E-09	8.73E-08	4.16E-07	4.58E-08	4.62E-07	4.29E-08	3.35E-09	4.62E-08
632	437369.82	3725615.3	3.99E-07	8.01E-08	4.79E-07	7.89E-08	1.01E-08	8.89E-08	4.24E-07	4.67E-08	4.71E-07	4.37E-08	3.41E-09	4.71E-08
633	437377.21	3725621.58	4.06E-07	8.15E-08	4.88E-07	8.02E-08	1.02E-08	9.05E-08	4.32E-07	4.75E-08	4.79E-07	4.44E-08	3.47E-09	4.79E-08
634	437384.6	3725627.86	4.15E-07	8.32E-08	4.98E-07	8.19E-08	1.05E-08	9.24E-08	4.41E-07	4.85E-08	4.89E-07	4.54E-08	3.54E-09	4.89E-08
635	437391.99	3725634.14	4.25E-07	8.52E-08	5.10E-07	8.39E-08	1.07E-08	9.46E-08	4.51E-07	4.97E-08	5.01E-07	4.65E-08	3.63E-09	5.01E-08
636	437399.38	3725640.42	4.34E-07	8.72E-08	5.22E-07	8.58E-08	1.09E-08	9.67E-08	4.61E-07	5.08E-08	5.12E-07	4.75E-08	3.71E-09	5.12E-08
637	437421.54	3725659.26	4.67E-07	9.36E-08	5.60E-07	9.21E-08	1.18E-08	1.04E-07	4.96E-07	5.46E-08	5.50E-07	5.10E-08	3.98E-09	5.50E-08
638	437428.93	3725665.54	4.79E-07	9.60E-08	5.75E-07	9.45E-08	1.21E-08	1.07E-07	5.08E-07	5.60E-08	5.64E-07	5.23E-08	4.09E-09	5.64E-08
639	437436.32	3725671.82	4.90E-07	9.83E-08	5.88E-07	9.67E-08	1.23E-08	1.09E-07	5.20E-07	5.73E-08	5.78E-07	5.36E-08	4.18E-09	5.78E-08
640	437443.71	3725678.1	5.01E-07	1.00E-07	6.01E-07	9.89E-08	1.26E-08	1.12E-07	5.32E-07	5.86E-08	5.90E-07	5.48E-08	4.28E-09	5.91E-08
641	437296.53	3725558.6	3.13E-07	6.27E-08	3.75E-07	6.18E-08	7.88E-09	6.96E-08	3.32E-07	3.66E-08	3.69E-07	3.42E-08	2.67E-09	3.69E-08
642	437286.2	3725542.31	3.04E-07	6.11E-08	3.66E-07	6.01E-08	7.67E-09	6.78E-08	3.23E-07	3.56E-08	3.59E-07	3.33E-08	2.60E-09	3.59E-08
643	437343	3725631.88	3.46E-07	6.95E-08	4.16E-07	6.84E-08	8.72E-09	7.71E-08	3.68E-07	4.05E-08	4.08E-07	3.79E-08	2.96E-09	4.08E-08
644	437350.39	3725638.16	3.53E-07	7.08E-08	4.24E-07	6.97E-08	8.89E-09	7.86E-08	3.75E-07	4.13E-08	4.16E-07	3.86E-08	3.01E-09	4.16E-08
645	437357.78	3725644.44	3.59E-07	7.21E-08	4.31E-07	7.09E-08	9.05E-09	8.00E-08	3.82E-07	4.20E-08	4.24E-07	3.93E-08	3.07E-09	4.24E-08
646	437365.17	3725650.72	3.65E-07	7.33E-08	4.39E-07	7.22E-08	9.20E-09	8.14E-08	3.88E-07	4.27E-08	4.31E-07	4.00E-08	3.12E-09	4.31E-08
647	437372.56	3725657	3.71E-07	7.45E-08	4.46E-07	7.33E-08	9.35E-09	8.27E-08	3.94E-07	4.34E-08	4.38E-07	4.06E-08	3.17E-09	4.38E-08
648	437379.95	3725663.28	3.77E-07	7.57E-08	4.53E-07	7.46E-08	9.51E-09	8.41E-08	4.01E-07	4.41E-08	4.45E-07	4.13E-08	3.22E-09	4.45E-08
649	437387.34	3725669.56	3.86E-07	7.74E-08	4.63E-07	7.62E-08	9.72E-09	8.59E-08	4.10E-07	4.51E-08	4.55E-07	4.22E-08	3.29E-09	4.55E-08
650	437409.51	3725688.4	4.09E-07	8.21E-08	4.91E-07	8.08E-08	1.03E-08	9.11E-08	4.35E-07	4.78E-08	4.82E-07	4.48E-08	3.49E-09	4.83E-08
651	437416.9	3725694.68	4.18E-07	8.39E-08	5.02E-07	8.25E-08	1.05E-08	9.31E-08	4.44E-07	4.89E-08	4.93E-07	4.57E-08	3.57E-09	4.93E-08
652	437424.28	3725700.96	4.27E-07	8.56E-08	5.12E-07	8.43E-08	1.08E-08	9.50E-08	4.53E-07	4.99E-08	5.03E-07	4.67E-08	3.64E-09	5.03E-08
653	437303.04	3725622.36	2.97E-07	5.97E-08	3.57E-07	5.87E-08	7.49E-09	6.62E-08	3.16E-07	3.48E-08	3.51E-07	3.25E-08	2.54E-09	3.51E-08
654	437297.91	3725614.27	2.93E-07	5.88E-08	3.52E-07	5.79E-08	7.39E-09	6.53E-08	3.11E-07	3.43E-08	3.46E-07	3.21E-08	2.50E-09	3.46E-08
655	437292.78	3725606.17	2.89E-07	5.80E-08	3.47E-07	5.71E-08	7.28E-09	6.44E-08	3.07E-07	3.38E-08	3.41E-07	3.16E-08	2.47E-09	3.41E-08
656	437287.64	3725598.08	2.85E-07	5.71E-08	3.42E-07	5.62E-08	7.17E-09	6.34E-08	3.02E-07	3.33E-08	3.36E-07	3.11E-08	2.43E-09	3.36E-08
657	437267.11	3725565.7	2.69E-07	5.39E-08	3.23E-07	5.31E-08	6.77E-09	5.98E-08	2.85E-07	3.14E-08	3.17E-07	2.94E-08	2.29E-09	3.17E-08
658	437256.85	3725549.52	2.62E-07	5.26E-08	3.15E-07	5.18E-08	6.60E-09	5.84E-08	2.78E-07	3.07E-08	3.09E-07	2.87E-08	2.24E-09	3.09E-08
659	437251.71	3725541.42	2.58E-07	5.18E-08	3.10E-07	5.09E-08	6.50E-09	5.74E-08	2.74E-07	3.02E-08	3.04E-07	2.82E-08	2.20E-09	3.04E-08
660	437338.35	3725667.3	3.23E-07	6.47E-08	3.87E-07	6.37E-08	8.13E-09	7.18E-08	3.43E-07	3.77E-08	3.80E-07	3.53E-08	2.76E-09	3.80E-08
661	437345.74	3725673.58	3.28E-07	6.58E-08	3.94E-07	6.48E-08	8.26E-09	7.30E-08	3.48E-07	3.84E-08	3.87E-07	3.59E-08	2.80E-09	3.87E-08
662	437353.13	3725679.86	3.33E-07	6.68E-08	4.00E-07	6.58E-08	8.39E-09	7.42E-08	3.54E-07	3.90E-08	3.93E-07	3.64E-08	2.85E-09	3.93E-08
663	437360.52	3725686.14	3.38E-07	6.78E-08	4.06E-07	6.67E-08	8.51E-09	7.52E-08	3.59E-07	3.95E-08	3.98E-07	3.70E-08	2.89E-09	3.98E-08
664	437367.91	3725692.42	3.43E-07	6.88E-08	4.12E-07	6.78E-08	8.65E-09	7.64E-08	3.64E-07	4.01E-08	4.05E-07	3.75E-08	2.93E-09	4.05E-08
665	437375.3	3725698.7	3.49E-07	7.00E-08	4.19E-07	6.89E-08	8.79E-09	7.77E-08	3.70E-07	4.08E-08	4.11E-07	3.81E-08	2.98E-09	4.11E-08
666	437382.69	3725704.98	3.55E-07	7.12E-08	4.26E-07	7.01E-08	8.94E-09	7.90E-08	3.77E-07	4.15E-08	4.18E-07	3.88E-08	3.03E-09	4.18E-08
667	437283.72	3725645.39	2.63E-07	5.28E-08	3.16E-07	5.20E-08	6.64E-09	5.87E-08	2.80E-07	3.08E-08	3.11E-07	2.88E-08	2.25E-09	3.11E-08
668	437278.61	3725637.33	2.60E-07	5.21E-08	3.12E-07	5.13E-08	6.54E-09	5.78E-08	2.76E-07	3.04E-08	3.06E-07	2.84E-08	2.22E-09	3.06E-08
669	437273.51	3725629.28	2.56E-07	5.14E-08	3.07E-07	5.06E-08	6.45E-09	5.70E-08	2.72E-07	2.99E-08	3.02E-07	2.80E-08	2.19E-09	3.02E-08
670	437268.4	3725621.23	2.52E-07	5.06E-08	3.03E-07	4.99E-08	6.36E-09	5.62E-08	2.68E-07	2.95E-08	2.98E-07	2.76E-08	2.16E-09	2.98E-08
671	437263.29	3725613.18	2.49E-07	4.99E-08	2.98E-07	4.91E-08	6.26E-09	5.53E-08	2.64E-07	2.91E-08	2.93E-07	2.72E-08	2.12E-09	2.93E-08
672	437253.08	3725597.07	2.40E-07	4.82E-08	2.88E-07	4.74E-08	6.05E-09	5.35E-08	2.55E-07	2.81E-08	2.83E-07	2.63E-08	2.05E-09	2.83E-08
673	437232.65	3725564.86	2.25E-07	4.51E-08	2.70E-07	4.44E-08	5.66E-09	5.00E-08	2.39E-07	2.63E-08	2.65E-07	2.46E-08	1.92E-09	2.65E-08
674	437227.55	3725556.81	2.21E-07	4.44E-08	2.66E-07	4.37E-08	5.58E-09	4.93E-08	2.35E-07	2.59E-08	2.61E-07	2.42E-08	1.89E-09	2.61E-08
675	437222.44	3725548.75	2.18E-07	4.38E-08	2.62E-07	4.31E-08	5.50E-09	4.86E-08	2.32E-07	2.55E-08	2.57E-07	2.39E-08	1.86E-09	2.57E-08
676	437217.33	3725540.7	2.15E-07	4.31E-08	2.58E-07	4.24E-08	5.41E-09	4.78E-08	2.28E-07	2.51E-08	2.53E-07	2.35E-08	1.83E-09	2.53E-08
677	437333.7	3725702.72	3.00E-07	6.01E-08	3.60E-07	5.92E-08	7.55E-09	6.67E-08	3.18E-07	3.50E-08	3.53E-07	3.28E-08	2.56E-09	3.53E-08
678	437370.65	3725734.12	3.24E-07	6.50E-08	3.89E-07	6.39E-08	8.16E-09	7.21E-08	3.44E-07	3.79E-08	3.82E-07	3.54E-08	2.77E-09	3.82E-08
679	437378.04	3725740.4	3.29E-07	6.60E-08	3.95E-07	6.49E-08	8.28E-09	7.32E-08	3.49E-07	3.84E-08	3.88E-07	3.60E-08	2.81E-09	3.88E-08
680	437279.64	3725692.44	2.41E-07	4.83E-08	2.89E-07	4.76E-08	6.07E-09	5.37E-08	2.56E-07	2.82E-08	2.84E-07	2.64E-08	2.06E-09	2.84E-08
681	437274.55	3725684.42	2.38E-07	4.78E-08	2.86E-07	4.70E-08	6.00E-09	5.30E-08	2.53E-07	2.78E-08	2.81E-07	2.60E-08	2.03E-09	2.81E-08
682	437269.47	3725676.41	2.35E-07	4.72E-08	2.83E-07	4.65E-08	5.93E-09	5.24E-08	2.50E-07	2.75E-08	2.78E-07	2.58E-08	2.01E-09	2.78E-08
683	437249.13	3725644.34	2.24E-07	4.48E-08	2.68E-07	4.41E-08	5.63E-09	4.98E-08	2.37E-07	2.61E-08	2.64E-07	2.44E-08	1.91E-09	2.64E-08
684	437244.05	3725636.32	2.21E-07	4.42E-08	2.65E-07	4.36E-08	5.56E-09	4.91E-08	2.34E-07	2.58E-08	2.60E-07	2.41E-08	1.88E-09	2.60E-08
685	437223.71	3725604.25	2.07E-07	4.15E-08	2.49E-07	4.09E-08	5.22E-09	4.61E-08	2.20E-07	2.42E-08	2.44E-07	2.27E-08	1.77E-09	2.44E-08
686	437218.63	3725596.24	2.04E-07	4.09E-08	2.45E-07	4.03E-08	5.14E-09	4.54E-08	2.17E-07	2.38E-08	2.40E-07	2.23E-08	1.74E-09	2.40E-08
687	437213.54	3725588.22	2.01E-07	4.03E-08	2.41E-07	3.96E-08	5.06E-09	4.47E-08	2.13E-07	2.35E-08	2.37E-07	2.20E-08	1.71E-09	2.37E-08
688	437198.29	3725564.17	1.92E-07	3.84E-08	2.30E-07	3.78E-08	4.83E-09	4.27E-08	2.03E-07	2.24E-08	2.26E-07	2.10E-08	1.64E-09	2.26E-08
689	437193.21	3725556.15	1.88E-07	3.78E-08	2.26E-07	3.72E-08	4.74E-09	4.19E-08	2.00E-07	2.20E-08	2.22E-07	2.06E-08	1.61E-09	2.22E-08

690	437188.12	3725548.13	1.85E-07	3.71E-08	2.22E-07	3.65E-08	4.66E-09	4.12E-08	1.96E-07	2.16E-08	2.18E-07	2.02E-08	1.58E-09	2.18E-08
691	437284.72	3725700.46	2.44E-07	4.89E-08	2.93E-07	4.82E-08	6.14E-09	5.43E-08	2.59E-07	2.85E-08	2.88E-07	2.67E-08	2.08E-09	2.88E-08
692	437292.11	3725706.74	2.50E-07	5.02E-08	3.00E-07	4.94E-08	6.30E-09	5.57E-08	2.66E-07	2.92E-08	2.95E-07	2.73E-08	2.14E-09	2.95E-08
693	437299.5	3725713.02	2.56E-07	5.14E-08	3.07E-07	5.06E-08	6.45E-09	5.70E-08	2.72E-07	2.99E-08	3.02E-07	2.80E-08	2.19E-09	3.02E-08
694	437336.44	3725744.42	2.82E-07	5.66E-08	3.39E-07	5.58E-08	7.11E-09	6.29E-08	3.00E-07	3.30E-08	3.33E-07	3.09E-08	2.41E-09	3.33E-08
695	437343.83	3725750.7	2.86E-07	5.75E-08	3.44E-07	5.66E-08	7.22E-09	6.38E-08	3.04E-07	3.35E-08	3.38E-07	3.13E-08	2.45E-09	3.38E-08
696	437351.22	3725756.98	2.91E-07	5.83E-08	3.49E-07	5.74E-08	7.32E-09	6.47E-08	3.09E-07	3.40E-08	3.43E-07	3.18E-08	2.48E-09	3.43E-08
697	437358.61	3725763.26	2.94E-07	5.91E-08	3.54E-07	5.82E-08	7.42E-09	6.56E-08	3.13E-07	3.44E-08	3.47E-07	3.22E-08	2.52E-09	3.47E-08
698	437366	3725769.54	2.99E-07	5.99E-08	3.58E-07	5.90E-08	7.52E-09	6.65E-08	3.17E-07	3.49E-08	3.52E-07	3.27E-08	2.55E-09	3.52E-08
699	437260.23	3725715.33	2.14E-07	4.29E-08	2.57E-07	4.22E-08	5.39E-09	4.76E-08	2.27E-07	2.50E-08	2.52E-07	2.34E-08	1.83E-09	2.52E-08
700	437255.16	3725707.35	2.11E-07	4.24E-08	2.54E-07	4.17E-08	5.33E-09	4.71E-08	2.24E-07	2.47E-08	2.49E-07	2.31E-08	1.81E-09	2.49E-08
701	437250.1	3725699.36	2.09E-07	4.19E-08	2.51E-07	4.13E-08	5.26E-09	4.65E-08	2.22E-07	2.44E-08	2.46E-07	2.28E-08	1.78E-09	2.46E-08
702	437245.03	3725691.37	2.06E-07	4.14E-08	2.48E-07	4.07E-08	5.20E-09	4.59E-08	2.19E-07	2.41E-08	2.43E-07	2.26E-08	1.76E-09	2.43E-08
703	437239.97	3725683.39	2.04E-07	4.09E-08	2.45E-07	4.02E-08	5.13E-09	4.54E-08	2.16E-07	2.38E-08	2.40E-07	2.23E-08	1.74E-09	2.40E-08
704	437234.91	3725675.4	2.01E-07	4.03E-08	2.41E-07	3.97E-08	5.07E-09	4.48E-08	2.14E-07	2.35E-08	2.37E-07	2.20E-08	1.72E-09	2.37E-08
705	437229.84	3725667.42	1.98E-07	3.98E-08	2.38E-07	3.92E-08	5.00E-09	4.42E-08	2.11E-07	2.32E-08	2.34E-07	2.17E-08	1.69E-09	2.34E-08
706	437209.58	3725635.47	1.88E-07	3.77E-08	2.26E-07	3.71E-08	4.73E-09	4.18E-08	2.00E-07	2.20E-08	2.22E-07	2.06E-08	1.60E-09	2.22E-08
707	437204.52	3725627.49	1.85E-07	3.72E-08	2.22E-07	3.66E-08	4.67E-09	4.13E-08	1.97E-07	2.17E-08	2.18E-07	2.03E-08	1.58E-09	2.18E-08
708	437199.46	3725619.5	1.83E-07	3.66E-08	2.19E-07	3.61E-08	4.60E-09	4.07E-08	1.94E-07	2.14E-08	2.15E-07	2.00E-08	1.56E-09	2.15E-08
709	437194.39	3725611.52	1.80E-07	3.61E-08	2.16E-07	3.55E-08	4.53E-09	4.00E-08	1.91E-07	2.10E-08	2.12E-07	1.97E-08	1.54E-09	2.12E-08
710	437164.01	3725563.6	1.64E-07	3.29E-08	1.97E-07	3.24E-08	4.13E-09	3.65E-08	1.74E-07	1.92E-08	1.93E-07	1.80E-08	1.40E-09	1.94E-08
711	437158.94	3725555.62	1.61E-07	3.23E-08	1.94E-07	3.18E-08	4.06E-09	3.59E-08	1.71E-07	1.88E-08	1.90E-07	1.76E-08	1.38E-09	1.90E-08
712	437153.88	3725547.63	1.58E-07	3.18E-08	1.90E-07	3.13E-08	3.99E-09	3.53E-08	1.68E-07	1.85E-08	1.87E-07	1.73E-08	1.35E-09	1.87E-08
713	437265.29	3725723.32	2.16E-07	4.34E-08	2.59E-07	4.27E-08	5.45E-09	4.81E-08	2.30E-07	2.53E-08	2.55E-07	2.36E-08	1.85E-09	2.55E-08
714	437294.85	3725748.44	2.38E-07	4.77E-08	2.85E-07	4.70E-08	5.99E-09	5.30E-08	2.53E-07	2.78E-08	2.80E-07	2.60E-08	2.03E-09	2.80E-08
715	437324.4	3725773.56	2.55E-07	5.12E-08	3.06E-07	5.04E-08	6.42E-09	5.68E-08	2.71E-07	2.98E-08	3.01E-07	2.79E-08	2.18E-09	3.01E-08
716	437331.79	3725779.84	2.59E-07	5.19E-08	3.10E-07	5.11E-08	6.52E-09	5.76E-08	2.75E-07	3.02E-08	3.05E-07	2.83E-08	2.21E-09	3.05E-08
717	437339.18	3725786.12	2.62E-07	5.26E-08	3.15E-07	5.18E-08	6.61E-09	5.84E-08	2.78E-07	3.07E-08	3.09E-07	2.87E-08	2.24E-09	3.09E-08
718	437346.57	3725792.4	2.66E-07	5.33E-08	3.19E-07	5.25E-08	6.69E-09	5.92E-08	2.82E-07	3.11E-08	3.13E-07	2.91E-08	2.27E-09	3.13E-08
719	437225.68	3725714.34	1.84E-07	3.70E-08	2.21E-07	3.64E-08	4.65E-09	4.11E-08	1.96E-07	2.16E-08	2.17E-07	2.02E-08	1.57E-09	2.17E-08
720	437220.63	3725706.39	1.82E-07	3.66E-08	2.19E-07	3.60E-08	4.59E-09	4.06E-08	1.94E-07	2.13E-08	2.15E-07	1.99E-08	1.56E-09	2.15E-08
721	437215.58	3725698.43	1.80E-07	3.61E-08	2.16E-07	3.55E-08	4.53E-09	4.01E-08	1.91E-07	2.10E-08	2.12E-07	1.97E-08	1.54E-09	2.12E-08
722	437210.54	3725690.47	1.78E-07	3.56E-08	2.13E-07	3.51E-08	4.48E-09	3.96E-08	1.89E-07	2.08E-08	2.09E-07	1.94E-08	1.52E-09	2.10E-08
723	437205.49	3725682.51	1.75E-07	3.52E-08	2.11E-07	3.46E-08	4.42E-09	3.90E-08	1.86E-07	2.05E-08	2.07E-07	1.92E-08	1.50E-09	2.07E-08
724	437200.44	3725674.55	1.73E-07	3.47E-08	2.08E-07	3.42E-08	4.36E-09	3.85E-08	1.84E-07	2.02E-08	2.04E-07	1.89E-08	1.48E-09	2.04E-08
725	437175.21	3725634.76	1.61E-07	3.22E-08	1.93E-07	3.17E-08	4.05E-09	3.58E-08	1.71E-07	1.88E-08	1.89E-07	1.76E-08	1.37E-09	1.89E-08
726	437170.16	3725626.8	1.58E-07	3.17E-08	1.89E-07	3.12E-08	3.98E-09	3.51E-08	1.68E-07	1.84E-08	1.86E-07	1.73E-08	1.35E-09	1.86E-08
727	437165.12	3725618.85	1.56E-07	3.13E-08	1.87E-07	3.08E-08	3.93E-09	3.47E-08	1.66E-07	1.82E-08	1.84E-07	1.70E-08	1.33E-09	1.84E-08
728	437160.07	3725610.89	1.54E-07	3.09E-08	1.85E-07	3.04E-08	3.88E-09	3.43E-08	1.63E-07	1.80E-08	1.81E-07	1.68E-08	1.31E-09	1.81E-08
729	437155.02	3725602.93	1.52E-07	3.04E-08	1.82E-07	3.00E-08	3.82E-09	3.38E-08	1.61E-07	1.77E-08	1.79E-07	1.66E-08	1.30E-09	1.79E-08
730	437149.97	3725594.97	1.49E-07	3.00E-08	1.79E-07	2.95E-08	3.76E-09	3.33E-08	1.59E-07	1.75E-08	1.76E-07	1.63E-08	1.28E-09	1.76E-08
731	437134.83	3725571.1	1.43E-07	2.88E-08	1.72E-07	2.83E-08	3.61E-09	3.19E-08	1.52E-07	1.68E-08	1.69E-07	1.57E-08	1.22E-09	1.69E-08
732	437129.79	3725563.14	1.41E-07	2.84E-08	1.70E-07	2.79E-08	3.56E-09	3.15E-08	1.50E-07	1.65E-08	1.67E-07	1.55E-08	1.21E-09	1.67E-08
733	437124.74	3725555.18	1.39E-07	2.79E-08	1.67E-07	2.75E-08	3.50E-09	3.10E-08	1.48E-07	1.63E-08	1.64E-07	1.52E-08	1.19E-09	1.64E-08
734	437245.86	3725746.18	1.93E-07	3.87E-08	2.32E-07	3.81E-08	4.87E-09	4.30E-08	2.05E-07	2.26E-08	2.28E-07	2.11E-08	1.65E-09	2.28E-08
735	437253.25	3725752.46	1.97E-07	3.96E-08	2.37E-07	3.90E-08	4.97E-09	4.39E-08	2.10E-07	2.31E-08	2.33E-07	2.16E-08	1.69E-09	2.33E-08
736	437260.64	3725758.74	2.02E-07	4.05E-08	2.42E-07	3.98E-08	5.08E-09	4.49E-08	2.14E-07	2.36E-08	2.38E-07	2.21E-08	1.72E-09	2.38E-08
737	437268.03	3725765.02	2.06E-07	4.14E-08	2.48E-07	4.07E-08	5.20E-09	4.59E-08	2.19E-07	2.41E-08	2.43E-07	2.26E-08	1.76E-09	2.43E-08
738	437275.42	3725771.3	2.11E-07	4.23E-08	2.53E-07	4.16E-08	5.31E-09	4.70E-08	2.24E-07	2.47E-08	2.49E-07	2.31E-08	1.80E-09	2.49E-08
739	437282.81	3725777.58	2.15E-07	4.32E-08	2.58E-07	4.25E-08	5.42E-09	4.79E-08	2.29E-07	2.52E-08	2.54E-07	2.35E-08	1.84E-09	2.54E-08
740	437312.37	3725802.7	2.29E-07	4.60E-08	2.75E-07	4.53E-08	5.78E-09	5.11E-08	2.44E-07	2.68E-08	2.70E-07	2.51E-08	1.96E-09	2.71E-08
741	437319.75	3725808.98	2.33E-07	4.67E-08	2.80E-07	4.60E-08	5.87E-09	5.19E-08	2.47E-07	2.72E-08	2.75E-07	2.55E-08	1.99E-09	2.75E-08
742	437327.14	3725815.26	2.36E-07	4.74E-08	2.83E-07	4.66E-08	5.95E-09	5.26E-08	2.51E-07	2.76E-08	2.78E-07	2.58E-08	2.02E-09	2.78E-08
743	437221.26	3725760.88	1.72E-07	3.46E-08	2.07E-07	3.40E-08	4.34E-09	3.84E-08	1.83E-07	2.01E-08	2.03E-07	1.88E-08	1.47E-09	2.03E-08
744	437216.09	3725752.72	1.70E-07	3.42E-08	2.05E-07	3.37E-08	4.29E-09	3.80E-08	1.81E-07	1.99E-08	2.01E-07	1.86E-08	1.46E-09	2.01E-08
745	437210.91	3725744.56	1.69E-07	3.38E-08	2.02E-07	3.33E-08	4.25E-09	3.75E-08	1.79E-07	1.97E-08	1.99E-07	1.84E-08	1.44E-09	1.99E-08
746	437205.74	3725736.4	1.66E-07	3.34E-08	2.00E-07	3.29E-08	4.19E-09	3.71E-08	1.77E-07	1.95E-08	1.96E-07	1.82E-08	1.42E-09	1.96E-08
747	437169.51	3725679.27	1.52E-07	3.04E-08	1.82E-07	3.00E-08	3.82E-09	3.38E-08	1.61E-07	1.77E-08	1.79E-07	1.66E-08	1.30E-09	1.79E-08
748	437164.34	3725671.11	1.49E-07	3.00E-08	1.79E-07	2.95E-08	3.76E-09	3.33E-08	1.59E-07	1.75E-08	1.76E-07	1.63E-08	1.28E-09	1.76E-08
749	437159.16	3725662.95	1.47E-07	2.95E-08	1.77E-07	2.91E-08	3.71E-09	3.28E-08	1.56E-07	1.72E-08	1.74E-07	1.61E-08	1.26E-09	1.74E-08
750	437153.99	3725654.79	1.45E-07	2.91E-08	1.74E-07	2.86E-08	3.65E-09	3.23E-08	1.54E-07	1.69E-08	1.71E-07	1.59E-08	1.24E-09	1.71E-08
751	437148.81	3725646.63	1.43E-07	2.86E-08	1.71E-07	2.82E-08	3.59E-09	3.18E-08	1.52E-07	1.67E-08	1.68E-07	1.56E-08	1.22E-09	1.68E-08
752	437143.64	3725638.47	1.40E-07	2.82E-08	1.69E-07	2.77E-08	3.54E-09	3.13E-08	1.49E-07	1.64E-08	1.66E-07	1.54E-08	1.20E-09	1.66E-08
753	437138.46	3725630.31	1.38E-07	2.78E-08	1.66E-07	2.73E-08	3.49E-09	3.08E-08	1.47E-07	1.62E-08	1.63E-07	1.51E-08	1.18E-09	1.63E-08
754	437133.29	3725622.15	1.36E-07	2.74E-08	1.64E-07	2.69E-08	3.44E-09	3.04E-08	1.45E-07	1.60E-08	1.61E-07	1.49E-08	1.17E-09	1.61E-08
755	437102.24	3725573.19	1.26E-07	2.52E-08	1.51E-07	2.48E-08	3.16E-09	2.80E-08	1.33E-07	1.47E-08	1.48E-07	1.37E-08	1.07E-09	1.48E-08
756	437307.72	3725838.12	2.10E-07	4.22E-08	2.53E-07	4.16E-08	5.30E-09	4.69E-08	2.24E-07	2.46E-08	2.48E-07	2.30E-08	1.80E-09	2.48E-08
757	437176.09	3725743.14	1.47E-07	2.95E-08	1.77E-07	2.91E-08	3.71E-09	3.28E-08	1.56E-07	1.72E-08	1.74E-07	1.61E-08	1.26E-09	1.74E-08
758	437170.94	3725735.02	1.45E-07	2.91E-08	1.74E-07	2.87E-08	3.66E-09	3.23E-08	1.54E-07	1.70E-08	1.71E-07	1.59E-08	1.24E-09	1.71E-08
759	437165.78	3725726.89	1.43E-07	2.87E-08	1.72E-07	2.83E-08	3.61E-09	3.19E-08	1.52E-07	1.67E-08	1.69E-07	1.57E-08	1.22E-09	1.69E-08
760	437160.63	3725718.77	1.41E-07	2.83E-08	1.70E-07	2.79E-08	3.56E-09	3.14E-08	1.50E-07	1.65E-08	1.66E-07	1.54E-08	1.21E-09	1.67E-08
761	437140.02	3725686.26	1.34E-07	2.68E-08	1.60E-07	2.64E-08	3.37E-09	2.98E-08	1.42E-07	1.56E-08	1.58E-07	1.46E-08	1.14E-09	1.58E-08
762	437134.87	3725678.14	1.32E-07	2.65E-08	1.58E-07	2.60E-08	3.32E-09	2.94E-08	1.40E-07	1.54E-08	1.55E-07	1.44E-08	1.13E-09	1.55E-08
763	437129.71	3725670.01	1.30E-07	2.61E-08	1.56E-07	2.57E-08	3.28E-09	2.90E-08	1.38E-07	1.52E-08	1.53E-07	1.42E-08	1.11E-09	1.53E-08
764	437098.8	3725621.26	1.20E-07	2.42E-08	1.45E-07	2.38E-08	3.03E-09	2.68E-08	1.28E-07	1.41E-08	1.42E-07	1.32E-08	1.03E-09	1.42E-08
765	437093.64	3725613.14	1.19E-07	2.38E-08	1.43E-07	2.35E-08	2.99E-09	2.65E-08	1.26E-07	1.39E-08	1.40E-07	1.30E-08	1.01E-09	1.40E-08
766	437088.49	3725605.01	1.17E-07	2.35E-08	1.41E-07	2.32E-08	2.95E-09	2.61E-08	1.25E-07	1.37E-08	1.38E-07	1.28E-08	1.00E-09	1.38E-08

767	437083.34	3725596.89	1.16E-07	2.32E-08	1.39E-07	2.29E-08	2.92E-09	2.58E-08	1.23E-07	1.35E-08	1.36E-07	1.27E-08	9.88E-10	1.36E-08
768	437176.02	3725814.36	1.38E-07	2.76E-08	1.65E-07	2.72E-08	3.46E-09	3.06E-08	1.46E-07	1.61E-08	1.62E-07	1.50E-08	1.17E-09	1.62E-08
769	437170.93	3725806.34	1.36E-07	2.73E-08	1.64E-07	2.69E-08	3.43E-09	3.03E-08	1.45E-07	1.59E-08	1.61E-07	1.49E-08	1.16E-09	1.61E-08
770	437165.85	3725798.32	1.35E-07	2.71E-08	1.62E-07	2.66E-08	3.40E-09	3.00E-08	1.43E-07	1.58E-08	1.59E-07	1.47E-08	1.15E-09	1.59E-08
771	437160.77	3725790.31	1.33E-07	2.68E-08	1.60E-07	2.64E-08	3.36E-09	2.97E-08	1.42E-07	1.56E-08	1.57E-07	1.46E-08	1.14E-09	1.57E-08
772	437155.68	3725782.29	1.32E-07	2.65E-08	1.58E-07	2.61E-08	3.32E-09	2.94E-08	1.40E-07	1.54E-08	1.56E-07	1.44E-08	1.13E-09	1.56E-08
773	437125.18	3725734.19	1.22E-07	2.44E-08	1.46E-07	2.40E-08	3.07E-09	2.71E-08	1.29E-07	1.42E-08	1.44E-07	1.33E-08	1.04E-09	1.44E-08
774	437120.09	3725726.17	1.20E-07	2.41E-08	1.44E-07	2.37E-08	3.02E-09	2.67E-08	1.27E-07	1.40E-08	1.41E-07	1.31E-08	1.03E-09	1.42E-08
775	437115.01	3725718.15	1.18E-07	2.37E-08	1.42E-07	2.34E-08	2.98E-09	2.64E-08	1.26E-07	1.38E-08	1.40E-07	1.29E-08	1.01E-09	1.40E-08
776	437109.92	3725710.14	1.17E-07	2.35E-08	1.40E-07	2.31E-08	2.95E-09	2.60E-08	1.24E-07	1.37E-08	1.38E-07	1.28E-08	9.98E-10	1.38E-08
777	437104.84	3725702.12	1.16E-07	2.32E-08	1.39E-07	2.28E-08	2.91E-09	2.57E-08	1.23E-07	1.35E-08	1.36E-07	1.26E-08	9.87E-10	1.36E-08
778	437099.76	3725694.1	1.14E-07	2.29E-08	1.37E-07	2.26E-08	2.88E-09	2.54E-08	1.21E-07	1.34E-08	1.35E-07	1.25E-08	9.76E-10	1.35E-08
779	437094.67	3725686.08	1.13E-07	2.27E-08	1.36E-07	2.23E-08	2.85E-09	2.52E-08	1.20E-07	1.32E-08	1.33E-07	1.24E-08	9.65E-10	1.33E-08
780	437089.59	3725678.07	1.12E-07	2.24E-08	1.34E-07	2.21E-08	2.81E-09	2.49E-08	1.19E-07	1.31E-08	1.32E-07	1.22E-08	9.54E-10	1.32E-08
781	437084.5	3725670.05	1.10E-07	2.22E-08	1.33E-07	2.18E-08	2.78E-09	2.46E-08	1.17E-07	1.29E-08	1.30E-07	1.21E-08	9.44E-10	1.30E-08
782	437079.42	3725662.03	1.09E-07	2.19E-08	1.31E-07	2.16E-08	2.76E-09	2.44E-08	1.16E-07	1.28E-08	1.29E-07	1.20E-08	9.34E-10	1.29E-08
783	437059.08	3725629.96	1.05E-07	2.11E-08	1.26E-07	2.07E-08	2.65E-09	2.34E-08	1.12E-07	1.23E-08	1.24E-07	1.15E-08	8.97E-10	1.24E-08
784	437054	3725621.95	1.04E-07	2.08E-08	1.25E-07	2.05E-08	2.62E-09	2.31E-08	1.10E-07	1.21E-08	1.22E-07	1.14E-08	8.87E-10	1.22E-08
785	437048.92	3725613.93	1.03E-07	2.06E-08	1.23E-07	2.03E-08	2.59E-09	2.29E-08	1.09E-07	1.20E-08	1.21E-07	1.12E-08	8.77E-10	1.21E-08
786	437181.1	3725822.37	1.39E-07	2.78E-08	1.67E-07	2.74E-08	3.50E-09	3.09E-08	1.47E-07	1.62E-08	1.64E-07	1.52E-08	1.19E-09	1.64E-08
787	437188.49	3725828.65	1.41E-07	2.84E-08	1.70E-07	2.79E-08	3.56E-09	3.15E-08	1.50E-07	1.65E-08	1.67E-07	1.55E-08	1.21E-09	1.67E-08
788	437195.88	3725834.93	1.44E-07	2.89E-08	1.73E-07	2.84E-08	3.62E-09	3.20E-08	1.53E-07	1.68E-08	1.70E-07	1.57E-08	1.23E-09	1.70E-08
789	437203.27	3725841.21	1.46E-07	2.94E-08	1.76E-07	2.89E-08	3.69E-09	3.26E-08	1.56E-07	1.71E-08	1.73E-07	1.60E-08	1.25E-09	1.73E-08
790	437210.66	3725847.49	1.49E-07	2.99E-08	1.79E-07	2.94E-08	3.75E-09	3.32E-08	1.58E-07	1.74E-08	1.76E-07	1.63E-08	1.27E-09	1.76E-08
791	437218.05	3725853.77	1.51E-07	3.04E-08	1.82E-07	2.99E-08	3.82E-09	3.37E-08	1.61E-07	1.77E-08	1.79E-07	1.66E-08	1.29E-09	1.79E-08
792	437225.44	3725860.05	1.54E-07	3.09E-08	1.85E-07	3.04E-08	3.88E-09	3.43E-08	1.63E-07	1.80E-08	1.81E-07	1.68E-08	1.31E-09	1.81E-08
793	437232.83	3725866.33	1.56E-07	3.13E-08	1.87E-07	3.08E-08	3.93E-09	3.47E-08	1.66E-07	1.82E-08	1.84E-07	1.71E-08	1.33E-09	1.84E-08
794	437240.22	3725872.61	1.58E-07	3.17E-08	1.90E-07	3.12E-08	3.99E-09	3.52E-08	1.68E-07	1.85E-08	1.87E-07	1.73E-08	1.35E-09	1.87E-08
795	437247.6	3725878.89	1.60E-07	3.22E-08	1.93E-07	3.17E-08	4.04E-09	3.57E-08	1.70E-07	1.87E-08	1.89E-07	1.75E-08	1.37E-09	1.89E-08
796	437254.99	3725885.17	1.62E-07	3.26E-08	1.95E-07	3.21E-08	4.09E-09	3.62E-08	1.73E-07	1.90E-08	1.92E-07	1.78E-08	1.39E-09	1.92E-08
797	437262.38	3725891.45	1.65E-07	3.30E-08	1.98E-07	3.25E-08	4.15E-09	3.66E-08	1.75E-07	1.92E-08	1.94E-07	1.80E-08	1.41E-09	1.94E-08
798	437150.05	3725844.74	1.23E-07	2.46E-08	1.47E-07	2.42E-08	3.09E-09	2.73E-08	1.30E-07	1.43E-08	1.44E-07	1.34E-08	1.05E-09	1.44E-08
799	437144.91	3725836.63	1.21E-07	2.44E-08	1.46E-07	2.40E-08	3.06E-09	2.70E-08	1.29E-07	1.42E-08	1.43E-07	1.33E-08	1.04E-09	1.43E-08
800	437119.19	3725796.07	1.15E-07	2.30E-08	1.38E-07	2.27E-08	2.89E-09	2.56E-08	1.22E-07	1.34E-08	1.35E-07	1.26E-08	9.81E-10	1.35E-08
801	437114.04	3725787.95	1.13E-07	2.27E-08	1.36E-07	2.24E-08	2.85E-09	2.52E-08	1.20E-07	1.32E-08	1.34E-07	1.24E-08	9.68E-10	1.34E-08
802	437108.9	3725779.84	1.12E-07	2.24E-08	1.34E-07	2.21E-08	2.82E-09	2.49E-08	1.19E-07	1.31E-08	1.32E-07	1.22E-08	9.54E-10	1.32E-08
803	437103.75	3725771.73	1.10E-07	2.21E-08	1.32E-07	2.17E-08	2.77E-09	2.45E-08	1.17E-07	1.29E-08	1.30E-07	1.20E-08	9.41E-10	1.30E-08
804	437072.88	3725723.05	1.02E-07	2.05E-08	1.23E-07	2.02E-08	2.57E-09	2.27E-08	1.08E-07	1.19E-08	1.20E-07	1.12E-08	8.72E-10	1.20E-08
805	437052.31	3725690.6	9.84E-08	1.97E-08	1.18E-07	1.94E-08	2.48E-09	2.19E-08	1.05E-07	1.15E-08	1.16E-07	1.08E-08	8.40E-10	1.16E-08
806	437047.16	3725682.49	9.75E-08	1.96E-08	1.17E-07	1.93E-08	2.46E-09	2.17E-08	1.04E-07	1.14E-08	1.15E-07	1.07E-08	8.33E-10	1.15E-08
807	437042.02	3725674.38	9.67E-08	1.94E-08	1.16E-07	1.91E-08	2.44E-09	2.15E-08	1.03E-07	1.13E-08	1.14E-07	1.06E-08	8.26E-10	1.14E-08
808	437036.87	3725666.27	9.58E-08	1.92E-08	1.15E-07	1.89E-08	2.41E-09	2.13E-08	1.02E-07	1.12E-08	1.13E-07	1.05E-08	8.18E-10	1.13E-08
809	437031.73	3725658.15	9.49E-08	1.90E-08	1.14E-07	1.87E-08	2.39E-09	2.11E-08	1.01E-07	1.11E-08	1.12E-07	1.04E-08	8.11E-10	1.12E-08
810	437026.58	3725650.04	9.39E-08	1.88E-08	1.13E-07	1.85E-08	2.37E-09	2.09E-08	9.97E-08	1.10E-08	1.11E-07	1.03E-08	8.02E-10	1.11E-08
811	437155.2	3725852.85	1.24E-07	2.48E-08	1.48E-07	2.44E-08	3.11E-09	2.75E-08	1.31E-07	1.45E-08	1.46E-07	1.35E-08	1.06E-09	1.46E-08
812	437162.59	3725859.13	1.26E-07	2.52E-08	1.51E-07	2.48E-08	3.17E-09	2.80E-08	1.34E-07	1.47E-08	1.48E-07	1.38E-08	1.07E-09	1.48E-08
813	437169.98	3725865.41	1.28E-07	2.57E-08	1.53E-07	2.52E-08	3.22E-09	2.85E-08	1.36E-07	1.49E-08	1.51E-07	1.40E-08	1.09E-09	1.51E-08
814	437177.37	3725871.69	1.30E-07	2.61E-08	1.56E-07	2.57E-08	3.27E-09	2.89E-08	1.38E-07	1.52E-08	1.53E-07	1.42E-08	1.11E-09	1.53E-08
815	437184.76	3725877.97	1.32E-07	2.65E-08	1.59E-07	2.61E-08	3.33E-09	2.94E-08	1.40E-07	1.54E-08	1.56E-07	1.44E-08	1.13E-09	1.56E-08
816	437192.14	3725884.25	1.34E-07	2.69E-08	1.61E-07	2.65E-08	3.38E-09	2.99E-08	1.42E-07	1.57E-08	1.58E-07	1.47E-08	1.15E-09	1.58E-08
817	437199.53	3725890.53	1.36E-07	2.73E-08	1.63E-07	2.69E-08	3.43E-09	3.03E-08	1.45E-07	1.59E-08	1.60E-07	1.49E-08	1.16E-09	1.61E-08
818	437206.92	3725896.81	1.38E-07	2.77E-08	1.66E-07	2.72E-08	3.48E-09	3.07E-08	1.47E-07	1.61E-08	1.63E-07	1.51E-08	1.18E-09	1.63E-08
819	437214.31	3725903.09	1.40E-07	2.80E-08	1.68E-07	2.76E-08	3.52E-09	3.11E-08	1.48E-07	1.63E-08	1.65E-07	1.53E-08	1.19E-09	1.65E-08
820	437221.7	3725909.37	1.42E-07	2.84E-08	1.70E-07	2.80E-08	3.57E-09	3.15E-08	1.50E-07	1.66E-08	1.67E-07	1.55E-08	1.21E-09	1.67E-08
821	437229.09	3725915.65	1.43E-07	2.88E-08	1.72E-07	2.83E-08	3.61E-09	3.19E-08	1.52E-07	1.68E-08	1.69E-07	1.57E-08	1.22E-09	1.69E-08
822	437236.48	3725921.93	1.45E-07	2.91E-08	1.74E-07	2.87E-08	3.66E-09	3.24E-08	1.54E-07	1.70E-08	1.71E-07	1.59E-08	1.24E-09	1.71E-08
823	437124.21	3725875.32	1.10E-07	2.21E-08	1.32E-07	2.17E-08	2.77E-09	2.45E-08	1.17E-07	1.29E-08	1.30E-07	1.20E-08	9.39E-10	1.30E-08
824	437119.13	3725867.3	1.09E-07	2.19E-08	1.31E-07	2.16E-08	2.75E-09	2.43E-08	1.16E-07	1.28E-08	1.29E-07	1.19E-08	9.32E-10	1.29E-08
825	437114.04	3725859.28	1.08E-07	2.17E-08	1.30E-07	2.14E-08	2.73E-09	2.41E-08	1.15E-07	1.27E-08	1.28E-07	1.18E-08	9.24E-10	1.28E-08
826	437108.96	3725851.26	1.07E-07	2.15E-08	1.29E-07	2.12E-08	2.70E-09	2.39E-08	1.14E-07	1.25E-08	1.26E-07	1.17E-08	9.16E-10	1.26E-08
827	437103.87	3725843.25	1.06E-07	2.13E-08	1.27E-07	2.10E-08	2.67E-09	2.36E-08	1.13E-07	1.24E-08	1.25E-07	1.16E-08	9.06E-10	1.25E-08
828	437098.79	3725835.23	1.05E-07	2.10E-08	1.26E-07	2.07E-08	2.64E-09	2.34E-08	1.11E-07	1.23E-08	1.24E-07	1.15E-08	8.96E-10	1.24E-08
829	437093.71	3725827.21	1.04E-07	2.08E-08	1.24E-07	2.04E-08	2.61E-09	2.31E-08	1.10E-07	1.21E-08	1.22E-07	1.13E-08	8.84E-10	1.22E-08
830	437088.62	3725819.2	1.02E-07	2.05E-08	1.23E-07	2.02E-08	2.58E-09	2.28E-08	1.09E-07	1.20E-08	1.21E-07	1.12E-08	8.73E-10	1.21E-08
831	437027.61	3725722.99	9.05E-08	1.82E-08	1.09E-07	1.79E-08	2.28E-09	2.02E-08	9.61E-08	1.06E-08	1.07E-07	9.90E-09	7.73E-10	1.07E-08
832	437022.53	3725714.97	8.99E-08	1.80E-08	1.08E-07	1.77E-08	2.26E-09	2.00E-08	9.54E-08	1.05E-08	1.06E-07	9.83E-09	7.67E-10	1.06E-08
833	437017.44	3725706.96	8.90E-08	1.79E-08	1.07E-07	1.76E-08	2.24E-09	1.98E-08	9.46E-08	1.04E-08	1.05E-07	9.74E-09	7.61E-10	1.05E-08
834	437012.36	3725698.94	8.82E-08	1.77E-08	1.06E-07	1.74E-08	2.22E-09	1.97E-08	9.37E-08	1.03E-08	1.04E-07	9.65E-09	7.54E-10	1.04E-08
835	437007.28	3725690.92	8.74E-08	1.75E-08	1.05E-07	1.73E-08	2.20E-09	1.95E-08	9.29E-08	1.02E-08	1.03E-07	9.56E-09	7.47E-10	1.03E-08
836	437002.19	3725682.91	8.67E-08	1.74E-08	1.04E-07	1.71E-08	2.18E-09	1.93E-08	9.21E-08	1.01E-08	1.02E-07	9.48E-09	7.41E-10	1.02E-08
837	436997.11	3725674.89	8.60E-08	1.72E-08	1.03E-07	1.70E-08	2.17E-09	1.91E-08	9.13E-08	1.01E-08	1.01E-07	9.40E-09	7.34E-10	1.01E-08
838	436992.02	3725666.87	8.51E-08	1.71E-08	1.02E-07	1.68E-08	2.15E-09	1.90E-08	9.04E-08	9.96E-09	1.00E-07	9.31E-09	7.27E-10	1.00E-08
839	436986.94	3725658.85	8.44E-08	1.69E-08	1.01E-07	1.67E-08	2.13E-09	1.88E-08	8.96E-08	9.87E-09	9.95E-08	9.23E-09	7.21E-10	9.95E-09
840	436981.85	3725650.84	8.36E-08	1.68E-08	1.00E-07	1.65E-08	2.11E-09	1.86E-08	8.88E-08	9.77E-09	9.85E-08	9.14E-09	7.14E-10	9.86E-09
841	436936.1	3725578.68	7.54E-08	1.51E-08	9.05E-08	1.49E-08	1.90E-09	1.68E-08	8.01E-08	8.82E-09	8.89E-08	8.25E-09	6.44E-10	8.89E-09
842	436931.01	3725570.67	7.46E-08	1.50E-08	8.96E-08	1.47E-08	1.88E-09	1.66E-08	7.92E-08	8.72E-09	8.80E-08	8.16E-09	6.37E-10	8.80E-09
843	437129.29	3725883.33	1.11E-07	2.22E-08	1.33E-07	2.19E-08	2.79E-09	2.47E-08	1.18E-07	1.30E-08	1.31E-07	1.21E-08	9.47E-10	1.31E-08

844	437136.68	3725889.61	1.13E-07	2.26E-08	1.35E-07	2.23E-08	2.84E-09	2.51E-08	1.20E-07	1.32E-08	1.33E-07	1.23E-08	9.63E-10	1.33E-08
845	437144.07	3725895.89	1.14E-07	2.30E-08	1.37E-07	2.26E-08	2.88E-09	2.55E-08	1.22E-07	1.34E-08	1.35E-07	1.25E-08	9.78E-10	1.35E-08
846	437151.46	3725902.17	1.16E-07	2.33E-08	1.40E-07	2.30E-08	2.93E-09	2.59E-08	1.24E-07	1.36E-08	1.37E-07	1.27E-08	9.94E-10	1.37E-08
847	437158.85	3725908.45	1.18E-07	2.37E-08	1.42E-07	2.33E-08	2.98E-09	2.63E-08	1.26E-07	1.38E-08	1.39E-07	1.29E-08	1.01E-09	1.39E-08
848	437166.24	3725914.73	1.20E-07	2.41E-08	1.44E-07	2.37E-08	3.02E-09	2.67E-08	1.27E-07	1.40E-08	1.41E-07	1.31E-08	1.02E-09	1.41E-08
849	437173.63	3725921.01	1.22E-07	2.44E-08	1.46E-07	2.40E-08	3.07E-09	2.71E-08	1.29E-07	1.42E-08	1.43E-07	1.33E-08	1.04E-09	1.43E-08
850	437181.02	3725927.29	1.23E-07	2.47E-08	1.48E-07	2.43E-08	3.11E-09	2.75E-08	1.31E-07	1.44E-08	1.45E-07	1.35E-08	1.05E-09	1.45E-08
851	437188.41	3725933.57	1.25E-07	2.50E-08	1.50E-07	2.47E-08	3.15E-09	2.78E-08	1.33E-07	1.46E-08	1.47E-07	1.37E-08	1.07E-09	1.47E-08
852	437195.8	3725939.85	1.26E-07	2.54E-08	1.52E-07	2.50E-08	3.18E-09	2.81E-08	1.34E-07	1.48E-08	1.49E-07	1.38E-08	1.08E-09	1.49E-08
853	437203.19	3725946.13	1.28E-07	2.57E-08	1.54E-07	2.53E-08	3.22E-09	2.85E-08	1.36E-07	1.50E-08	1.51E-07	1.40E-08	1.09E-09	1.51E-08
854	437210.57	3725952.41	1.30E-07	2.60E-08	1.56E-07	2.56E-08	3.26E-09	2.89E-08	1.38E-07	1.52E-08	1.53E-07	1.42E-08	1.11E-09	1.53E-08
855	437098.25	3725905.71	9.94E-08	1.99E-08	1.19E-07	1.96E-08	2.50E-09	2.21E-08	1.06E-07	1.16E-08	1.17E-07	1.09E-08	8.49E-10	1.17E-08
856	437093.11	3725897.61	9.86E-08	1.98E-08	1.18E-07	1.95E-08	2.48E-09	2.20E-08	1.05E-07	1.15E-08	1.16E-07	1.08E-08	8.42E-10	1.16E-08
857	437087.98	3725889.5	9.77E-08	1.96E-08	1.17E-07	1.93E-08	2.46E-09	2.18E-08	1.04E-07	1.14E-08	1.15E-07	1.07E-08	8.34E-10	1.15E-08
858	437082.84	3725881.4	9.68E-08	1.94E-08	1.16E-07	1.91E-08	2.44E-09	2.16E-08	1.03E-07	1.13E-08	1.14E-07	1.06E-08	8.27E-10	1.14E-08
859	437077.7	3725873.3	9.58E-08	1.92E-08	1.15E-07	1.89E-08	2.42E-09	2.13E-08	1.02E-07	1.12E-08	1.13E-07	1.05E-08	8.19E-10	1.13E-08
860	437072.56	3725865.2	9.50E-08	1.91E-08	1.14E-07	1.88E-08	2.39E-09	2.11E-08	1.01E-07	1.11E-08	1.12E-07	1.04E-08	8.11E-10	1.12E-08
861	437067.42	3725857.1	9.41E-08	1.89E-08	1.13E-07	1.86E-08	2.37E-09	2.10E-08	9.99E-08	1.10E-08	1.11E-07	1.03E-08	8.04E-10	1.11E-08
862	437062.28	3725848.99	9.32E-08	1.87E-08	1.12E-07	1.84E-08	2.35E-09	2.08E-08	9.90E-08	1.09E-08	1.10E-07	1.02E-08	7.96E-10	1.10E-08
863	437057.15	3725840.89	9.23E-08	1.85E-08	1.11E-07	1.82E-08	2.33E-09	2.06E-08	9.80E-08	1.08E-08	1.09E-07	1.01E-08	7.88E-10	1.09E-08
864	437052.01	3725832.79	9.13E-08	1.83E-08	1.10E-07	1.80E-08	2.30E-09	2.03E-08	9.70E-08	1.07E-08	1.08E-07	9.99E-09	7.80E-10	1.08E-08
865	437046.87	3725824.69	9.03E-08	1.81E-08	1.08E-07	1.78E-08	2.28E-09	2.01E-08	9.60E-08	1.06E-08	1.07E-07	9.88E-09	7.72E-10	1.07E-08
866	437041.73	3725816.58	8.94E-08	1.79E-08	1.07E-07	1.77E-08	2.25E-09	1.99E-08	9.50E-08	1.05E-08	1.05E-07	9.78E-09	7.64E-10	1.05E-08
867	437036.59	3725808.48	8.85E-08	1.78E-08	1.06E-07	1.75E-08	2.23E-09	1.97E-08	9.40E-08	1.03E-08	1.04E-07	9.68E-09	7.56E-10	1.04E-08
868	437031.46	3725800.38	8.76E-08	1.76E-08	1.05E-07	1.73E-08	2.21E-09	1.95E-08	9.31E-08	1.02E-08	1.03E-07	9.58E-09	7.48E-10	1.03E-08
869	437026.32	3725792.28	8.68E-08	1.74E-08	1.04E-07	1.71E-08	2.19E-09	1.93E-08	9.22E-08	1.01E-08	1.02E-07	9.49E-09	7.41E-10	1.02E-08
870	437021.18	3725784.17	8.60E-08	1.72E-08	1.03E-07	1.70E-08	2.17E-09	1.91E-08	9.13E-08	1.01E-08	1.01E-07	9.40E-09	7.34E-10	1.01E-08
871	437016.04	3725776.07	8.53E-08	1.71E-08	1.02E-07	1.68E-08	2.15E-09	1.90E-08	9.06E-08	9.97E-09	1.01E-07	9.33E-09	7.29E-10	1.01E-08
872	437010.9	3725767.97	8.48E-08	1.70E-08	1.02E-07	1.68E-08	2.14E-09	1.89E-08	9.01E-08	9.92E-09	1.00E-07	9.28E-09	7.25E-10	1.00E-08
873	437005.76	3725759.87	8.43E-08	1.69E-08	1.01E-07	1.67E-08	2.12E-09	1.88E-08	8.95E-08	9.86E-09	9.94E-08	9.22E-09	7.20E-10	9.94E-09
874	436974.93	3725711.25	8.06E-08	1.62E-08	9.68E-08	1.59E-08	2.03E-09	1.79E-08	8.56E-08	9.42E-09	9.50E-08	8.82E-09	6.88E-10	9.50E-09
875	436969.8	3725703.15	7.99E-08	1.60E-08	9.60E-08	1.58E-08	2.01E-09	1.78E-08	8.49E-08	9.35E-09	9.42E-08	8.74E-09	6.83E-10	9.43E-09
876	436964.66	3725695.05	7.93E-08	1.59E-08	9.52E-08	1.57E-08	2.00E-09	1.77E-08	8.42E-08	9.27E-09	9.35E-08	8.67E-09	6.77E-10	9.35E-09
877	436959.52	3725686.94	7.86E-08	1.58E-08	9.43E-08	1.55E-08	1.98E-09	1.75E-08	8.35E-08	9.19E-09	9.26E-08	8.59E-09	6.71E-10	9.27E-09
878	436954.38	3725678.84	7.80E-08	1.56E-08	9.36E-08	1.54E-08	1.96E-09	1.74E-08	8.28E-08	9.12E-09	9.20E-08	8.53E-09	6.66E-10	9.20E-09
879	436903	3725597.82	6.90E-08	1.38E-08	8.29E-08	1.36E-08	1.74E-09	1.54E-08	7.33E-08	8.07E-09	8.14E-08	7.55E-09	5.89E-10	8.14E-09
880	436897.86	3725589.72	6.82E-08	1.37E-08	8.19E-08	1.35E-08	1.72E-09	1.52E-08	7.25E-08	7.98E-09	8.05E-08	7.46E-09	5.83E-10	8.05E-09
881	436892.72	3725581.61	6.74E-08	1.35E-08	8.10E-08	1.33E-08	1.70E-09	1.50E-08	7.16E-08	7.88E-09	7.95E-08	7.38E-09	5.76E-10	7.95E-09
882	436887.58	3725573.51	6.67E-08	1.34E-08	8.00E-08	1.32E-08	1.68E-09	1.48E-08	7.08E-08	7.80E-09	7.86E-08	7.29E-09	5.69E-10	7.86E-09
883	437103.39	3725913.81	1.00E-07	2.01E-08	1.20E-07	1.98E-08	2.53E-09	2.23E-08	1.06E-07	1.17E-08	1.18E-07	1.10E-08	8.56E-10	1.18E-08
884	437110.78	3725920.09	1.02E-07	2.04E-08	1.22E-07	2.01E-08	2.56E-09	2.27E-08	1.08E-07	1.19E-08	1.20E-07	1.11E-08	8.69E-10	1.20E-08
885	437118.17	3725926.37	1.03E-07	2.08E-08	1.24E-07	2.04E-08	2.61E-09	2.30E-08	1.10E-07	1.21E-08	1.22E-07	1.13E-08	8.83E-10	1.22E-08
886	437125.56	3725932.65	1.05E-07	2.11E-08	1.26E-07	2.07E-08	2.65E-09	2.34E-08	1.12E-07	1.23E-08	1.24E-07	1.15E-08	8.97E-10	1.24E-08
887	437132.95	3725938.93	1.06E-07	2.14E-08	1.28E-07	2.10E-08	2.68E-09	2.37E-08	1.13E-07	1.25E-08	1.26E-07	1.16E-08	9.09E-10	1.26E-08
888	437140.34	3725945.21	1.08E-07	2.17E-08	1.30E-07	2.13E-08	2.72E-09	2.40E-08	1.15E-07	1.26E-08	1.27E-07	1.18E-08	9.22E-10	1.27E-08
889	437147.72	3725951.49	1.09E-07	2.19E-08	1.31E-07	2.16E-08	2.75E-09	2.43E-08	1.16E-07	1.28E-08	1.29E-07	1.20E-08	9.33E-10	1.29E-08
890	437155.11	3725957.77	1.11E-07	2.22E-08	1.33E-07	2.19E-08	2.79E-09	2.46E-08	1.18E-07	1.29E-08	1.30E-07	1.21E-08	9.45E-10	1.30E-08
891	437162.5	3725964.05	1.12E-07	2.25E-08	1.34E-07	2.21E-08	2.82E-09	2.49E-08	1.19E-07	1.31E-08	1.32E-07	1.22E-08	9.56E-10	1.32E-08
892	437169.89	3725970.33	1.13E-07	2.27E-08	1.36E-07	2.24E-08	2.85E-09	2.52E-08	1.20E-07	1.32E-08	1.34E-07	1.24E-08	9.67E-10	1.34E-08
893	437177.28	3725976.61	1.14E-07	2.30E-08	1.37E-07	2.26E-08	2.88E-09	2.55E-08	1.22E-07	1.34E-08	1.35E-07	1.25E-08	9.78E-10	1.35E-08
894	437184.67	3725982.89	1.16E-07	2.32E-08	1.39E-07	2.28E-08	2.91E-09	2.58E-08	1.23E-07	1.35E-08	1.36E-07	1.27E-08	9.88E-10	1.36E-08
895	437072.3	3725936.11	9.15E-08	1.84E-08	1.10E-07	1.81E-08	2.31E-09	2.04E-08	9.72E-08	1.07E-08	1.08E-07	1.00E-08	7.82E-10	1.08E-08
896	437067.11	3725927.93	9.08E-08	1.82E-08	1.09E-07	1.79E-08	2.29E-09	2.02E-08	9.64E-08	1.06E-08	1.07E-07	9.93E-09	7.75E-10	1.07E-08
897	437061.92	3725919.75	9.00E-08	1.81E-08	1.08E-07	1.78E-08	2.27E-09	2.01E-08	9.56E-08	1.05E-08	1.06E-07	9.85E-09	7.69E-10	1.06E-08
898	437056.73	3725911.57	8.93E-08	1.79E-08	1.07E-07	1.76E-08	2.25E-09	1.99E-08	9.49E-08	1.04E-08	1.05E-07	9.77E-09	7.63E-10	1.05E-08
899	437051.55	3725903.39	8.85E-08	1.78E-08	1.06E-07	1.75E-08	2.23E-09	1.97E-08	9.40E-08	1.03E-08	1.04E-07	9.68E-09	7.56E-10	1.04E-08
900	437046.36	3725895.21	8.77E-08	1.76E-08	1.05E-07	1.73E-08	2.21E-09	1.95E-08	9.31E-08	1.03E-08	1.03E-07	9.59E-09	7.49E-10	1.03E-08
901	437041.17	3725887.03	8.70E-08	1.74E-08	1.04E-07	1.72E-08	2.19E-09	1.94E-08	9.24E-08	1.02E-08	1.03E-07	9.51E-09	7.43E-10	1.03E-08
902	437035.98	3725878.85	8.62E-08	1.73E-08	1.03E-07	1.70E-08	2.17E-09	1.92E-08	9.15E-08	1.01E-08	1.02E-07	9.43E-09	7.36E-10	1.02E-08
903	437030.79	3725870.66	8.54E-08	1.71E-08	1.02E-07	1.69E-08	2.15E-09	1.90E-08	9.07E-08	9.98E-09	1.01E-07	9.34E-09	7.29E-10	1.01E-08
904	437025.61	3725862.48	8.46E-08	1.70E-08	1.02E-07	1.67E-08	2.13E-09	1.88E-08	8.98E-08	9.89E-09	9.97E-08	9.25E-09	7.22E-10	9.97E-09
905	437020.42	3725854.3	8.37E-08	1.68E-08	1.01E-07	1.65E-08	2.11E-09	1.86E-08	8.89E-08	9.79E-09	9.87E-08	9.16E-09	7.15E-10	9.87E-09
906	437015.23	3725846.12	8.29E-08	1.66E-08	9.96E-08	1.64E-08	2.09E-09	1.85E-08	8.81E-08	9.70E-09	9.78E-08	9.07E-09	7.08E-10	9.78E-09
907	437010.04	3725837.94	8.22E-08	1.65E-08	9.87E-08	1.62E-08	2.07E-09	1.83E-08	8.73E-08	9.61E-09	9.69E-08	8.99E-09	7.02E-10	9.70E-09
908	437004.86	3725829.76	8.16E-08	1.64E-08	9.80E-08	1.61E-08	2.06E-09	1.82E-08	8.67E-08	9.54E-09	9.62E-08	8.93E-09	6.97E-10	9.63E-09
909	436999.67	3725821.58	8.11E-08	1.63E-08	9.74E-08	1.60E-08	2.04E-09	1.81E-08	8.62E-08	9.48E-09	9.56E-08	8.87E-09	6.93E-10	9.57E-09
910	436994.48	3725813.4	8.07E-08	1.62E-08	9.68E-08	1.59E-08	2.03E-09	1.80E-08	8.57E-08	9.43E-09	9.51E-08	8.82E-09	6.89E-10	9.51E-09
911	436989.29	3725805.22	8.02E-08	1.61E-08	9.63E-08	1.58E-08	2.02E-09	1.79E-08	8.52E-08	9.38E-09	9.46E-08	8.78E-09	6.85E-10	9.46E-09
912	436984.1	3725797.04	7.95E-08	1.60E-08	9.55E-08	1.57E-08	2.00E-09	1.77E-08	8.45E-08	9.30E-09	9.38E-08	8.70E-09	6.79E-10	9.38E-09
913	436978.92	3725788.86	7.89E-08	1.58E-08	9.47E-08	1.56E-08	1.99E-09	1.76E-08	8.38E-08	9.22E-09	9.30E-08	8.63E-09	6.74E-10	9.30E-09
914	436973.73	3725780.68	7.82E-08	1.57E-08	9.38E-08	1.54E-08	1.97E-09	1.74E-08	8.30E-08	9.14E-09	9.22E-08	8.55E-09	6.68E-10	9.22E-09
915	436968.54	3725772.5	7.75E-08	1.56E-08	9.31E-08	1.53E-08	1.95E-09	1.73E-08	8.23E-08	9.06E-09	9.14E-08	8.48E-09	6.62E-10	9.14E-09
916	436963.35	3725764.32	7.70E-08	1.54E-08	9.24E-08	1.52E-08	1.94E-09	1.71E-08	8.17E-08	9.00E-09	9.07E-08	8.42E-09	6.57E-10	9.08E-09
917	436958.16	3725756.13	7.64E-08	1.53E-08	9.17E-08	1.51E-08	1.92E-09	1.70E-08	8.11E-08	8.93E-09	9.00E-08	8.35E-09	6.52E-10	9.01E-09
918	436927.04	3725707.05	7.31E-08	1.47E-08	8.78E-08	1.44E-08	1.84E-09	1.63E-08	7.76E-08	8.55E-09	8.62E-08	8.00E-09	6.24E-10	8.62E-09
919	436921.85	3725698.87	7.27E-08	1.46E-08	8.73E-08	1.44E-08	1.83E-09	1.62E-08	7.72E-08	8.50E-09	8.58E-08	7.96E-09	6.21E-10	8.58E-09
920	436875.16	3725625.24	6.44E-08	1.29E-08	7.73E-08	1.27E-08	1.62E-09	1.43E-08	6.84E-08	7.53E-09	7.59E-08	7.04E-09	5.50E-10	7.59E-09

921	436869.97	3725617.06	6.37E-08	1.28E-08	7.65E-08	1.26E-08	1.60E-09	1.42E-08	6.76E-08	7.45E-09	7.51E-08	6.97E-09	5.44E-10	7.51E-09
922	436864.78	3725608.88	6.31E-08	1.27E-08	7.57E-08	1.25E-08	1.59E-09	1.40E-08	6.70E-08	7.37E-09	7.43E-08	6.90E-09	5.39E-10	7.44E-09
923	436859.59	3725600.7	6.24E-08	1.25E-08	7.50E-08	1.23E-08	1.57E-09	1.39E-08	6.63E-08	7.30E-09	7.36E-08	6.83E-09	5.33E-10	7.36E-09
924	436854.41	3725592.52	6.18E-08	1.24E-08	7.42E-08	1.22E-08	1.56E-09	1.38E-08	6.56E-08	7.22E-09	7.28E-08	6.76E-09	5.28E-10	7.28E-09
925	436849.22	3725584.34	6.11E-08	1.23E-08	7.34E-08	1.21E-08	1.54E-09	1.36E-08	6.49E-08	7.15E-09	7.21E-08	6.68E-09	5.22E-10	7.21E-09
926	436844.03	3725576.16	6.04E-08	1.21E-08	7.25E-08	1.19E-08	1.52E-09	1.35E-08	6.42E-08	7.06E-09	7.12E-08	6.61E-09	5.16E-10	7.12E-09
927	436838.84	3725567.98	5.97E-08	1.20E-08	7.17E-08	1.18E-08	1.51E-09	1.33E-08	6.35E-08	6.99E-09	7.04E-08	6.54E-09	5.10E-10	7.05E-09
928	437077.49	3725944.29	9.22E-08	1.85E-08	1.11E-07	1.82E-08	2.32E-09	2.05E-08	9.80E-08	1.08E-08	1.09E-07	1.01E-08	7.88E-10	1.09E-08
929	437084.88	3725950.57	9.35E-08	1.88E-08	1.12E-07	1.85E-08	2.36E-09	2.08E-08	9.93E-08	1.09E-08	1.10E-07	1.02E-08	7.99E-10	1.10E-08
930	437092.26	3725956.85	9.47E-08	1.90E-08	1.14E-07	1.87E-08	2.39E-09	2.11E-08	1.01E-07	1.11E-08	1.12E-07	1.04E-08	8.09E-10	1.12E-08
931	437099.65	3725963.13	9.60E-08	1.93E-08	1.15E-07	1.90E-08	2.42E-09	2.14E-08	1.02E-07	1.12E-08	1.13E-07	1.05E-08	8.20E-10	1.13E-08
932	437107.04	3725969.41	9.71E-08	1.95E-08	1.17E-07	1.92E-08	2.45E-09	2.16E-08	1.03E-07	1.14E-08	1.15E-07	1.06E-08	8.30E-10	1.15E-08
933	437114.43	3725975.69	9.82E-08	1.97E-08	1.18E-07	1.94E-08	2.48E-09	2.19E-08	1.04E-07	1.15E-08	1.16E-07	1.07E-08	8.39E-10	1.16E-08
934	437121.82	3725981.97	9.93E-08	1.99E-08	1.19E-07	1.96E-08	2.50E-09	2.21E-08	1.05E-07	1.16E-08	1.17E-07	1.09E-08	8.48E-10	1.17E-08
935	437129.21	3725988.25	1.00E-07	2.01E-08	1.20E-07	1.98E-08	2.53E-09	2.23E-08	1.07E-07	1.17E-08	1.18E-07	1.10E-08	8.57E-10	1.18E-08
936	437136.6	3725994.53	1.01E-07	2.03E-08	1.22E-07	2.00E-08	2.55E-09	2.26E-08	1.08E-07	1.18E-08	1.19E-07	1.11E-08	8.65E-10	1.19E-08
937	437143.99	3726000.81	1.02E-07	2.06E-08	1.23E-07	2.02E-08	2.58E-09	2.28E-08	1.09E-07	1.20E-08	1.21E-07	1.12E-08	8.75E-10	1.21E-08
938	437151.38	3726007.09	1.04E-07	2.08E-08	1.24E-07	2.05E-08	2.61E-09	2.31E-08	1.10E-07	1.21E-08	1.22E-07	1.13E-08	8.85E-10	1.22E-08
939	437158.77	3726013.37	1.05E-07	2.10E-08	1.26E-07	2.07E-08	2.64E-09	2.33E-08	1.11E-07	1.23E-08	1.24E-07	1.15E-08	8.95E-10	1.24E-08
940	437046.45	3725966.68	8.70E-08	1.75E-08	1.04E-07	1.72E-08	2.19E-09	1.94E-08	9.24E-08	1.02E-08	1.03E-07	9.52E-09	7.43E-10	1.03E-08
941	437041.32	3725958.58	8.63E-08	1.73E-08	1.04E-07	1.70E-08	2.17E-09	1.92E-08	9.17E-08	1.01E-08	1.02E-07	9.44E-09	7.37E-10	1.02E-08
942	437036.18	3725950.49	8.54E-08	1.71E-08	1.03E-07	1.69E-08	2.15E-09	1.90E-08	9.08E-08	9.99E-09	1.01E-07	9.35E-09	7.30E-10	1.01E-08
943	437031.05	3725942.39	8.46E-08	1.70E-08	1.02E-07	1.67E-08	2.13E-09	1.88E-08	8.99E-08	9.90E-09	9.98E-08	9.26E-09	7.23E-10	9.98E-09
944	437025.92	3725934.3	8.38E-08	1.68E-08	1.01E-07	1.66E-08	2.11E-09	1.87E-08	8.90E-08	9.80E-09	9.88E-08	9.17E-09	7.16E-10	9.89E-09
945	437020.78	3725926.2	8.31E-08	1.67E-08	9.98E-08	1.64E-08	2.09E-09	1.85E-08	8.83E-08	9.72E-09	9.80E-08	9.09E-09	7.10E-10	9.80E-09
946	437015.65	3725918.11	8.23E-08	1.65E-08	9.88E-08	1.63E-08	2.07E-09	1.83E-08	8.74E-08	9.62E-09	9.70E-08	9.00E-09	7.03E-10	9.70E-09
947	437010.52	3725910.02	8.15E-08	1.63E-08	9.78E-08	1.61E-08	2.05E-09	1.81E-08	8.65E-08	9.53E-09	9.61E-08	8.91E-09	6.96E-10	9.61E-09
948	437005.38	3725901.92	8.07E-08	1.62E-08	9.68E-08	1.59E-08	2.03E-09	1.80E-08	8.57E-08	9.43E-09	9.51E-08	8.82E-09	6.89E-10	9.51E-09
949	437000.25	3725893.83	7.99E-08	1.60E-08	9.59E-08	1.58E-08	2.01E-09	1.78E-08	8.49E-08	9.34E-09	9.42E-08	8.74E-09	6.82E-10	9.42E-09
950	436995.12	3725885.73	7.92E-08	1.59E-08	9.51E-08	1.56E-08	2.00E-09	1.76E-08	8.41E-08	9.26E-09	9.34E-08	8.66E-09	6.76E-10	9.34E-09
951	436989.99	3725877.64	7.85E-08	1.57E-08	9.42E-08	1.55E-08	1.98E-09	1.75E-08	8.33E-08	9.18E-09	9.25E-08	8.58E-09	6.70E-10	9.25E-09
952	436984.85	3725869.55	7.77E-08	1.56E-08	9.33E-08	1.53E-08	1.96E-09	1.73E-08	8.25E-08	9.08E-09	9.16E-08	8.50E-09	6.64E-10	9.16E-09
953	436979.72	3725861.45	7.70E-08	1.55E-08	9.25E-08	1.52E-08	1.94E-09	1.72E-08	8.18E-08	9.01E-09	9.08E-08	8.43E-09	6.58E-10	9.08E-09
954	436974.59	3725853.36	7.64E-08	1.53E-08	9.17E-08	1.51E-08	1.93E-09	1.70E-08	8.12E-08	8.93E-09	9.01E-08	8.36E-09	6.53E-10	9.01E-09
955	436969.45	3725845.26	7.58E-08	1.52E-08	9.10E-08	1.50E-08	1.91E-09	1.69E-08	8.05E-08	8.86E-09	8.93E-08	8.29E-09	6.47E-10	8.94E-09
956	436964.32	3725837.17	7.51E-08	1.51E-08	9.02E-08	1.48E-08	1.89E-09	1.67E-08	7.98E-08	8.79E-09	8.86E-08	8.22E-09	6.42E-10	8.86E-09
957	436959.19	3725829.07	7.47E-08	1.50E-08	8.97E-08	1.47E-08	1.88E-09	1.66E-08	7.93E-08	8.73E-09	8.80E-08	8.17E-09	6.38E-10	8.81E-09
958	436954.05	3725820.98	7.42E-08	1.49E-08	8.91E-08	1.47E-08	1.87E-09	1.65E-08	7.88E-08	8.68E-09	8.75E-08	8.12E-09	6.34E-10	8.75E-09
959	436948.92	3725812.89	7.37E-08	1.48E-08	8.85E-08	1.46E-08	1.86E-09	1.64E-08	7.83E-08	8.62E-09	8.69E-08	8.06E-09	6.30E-10	8.69E-09
960	436943.79	3725804.79	7.32E-08	1.47E-08	8.79E-08	1.45E-08	1.84E-09	1.63E-08	7.78E-08	8.56E-09	8.63E-08	8.01E-09	6.25E-10	8.63E-09
961	436938.66	3725796.7	7.26E-08	1.46E-08	8.71E-08	1.43E-08	1.83E-09	1.62E-08	7.71E-08	8.49E-09	8.56E-08	7.94E-09	6.20E-10	8.56E-09
962	436933.52	3725788.6	7.20E-08	1.44E-08	8.64E-08	1.42E-08	1.81E-09	1.60E-08	7.64E-08	8.41E-09	8.48E-08	7.87E-09	6.15E-10	8.49E-09
963	436928.39	3725780.51	7.14E-08	1.43E-08	8.57E-08	1.41E-08	1.80E-09	1.59E-08	7.58E-08	8.35E-09	8.42E-08	7.81E-09	6.10E-10	8.42E-09
964	436923.26	3725772.42	7.09E-08	1.42E-08	8.51E-08	1.40E-08	1.79E-09	1.58E-08	7.53E-08	8.29E-09	8.36E-08	7.75E-09	6.05E-10	8.36E-09
965	436918.12	3725764.32	7.04E-08	1.41E-08	8.46E-08	1.39E-08	1.77E-09	1.57E-08	7.48E-08	8.24E-09	8.31E-08	7.71E-09	6.02E-10	8.31E-09
966	436912.99	3725756.23	7.00E-08	1.40E-08	8.40E-08	1.38E-08	1.76E-09	1.56E-08	7.43E-08	8.18E-09	8.25E-08	7.65E-09	5.98E-10	8.25E-09
967	436841.13	3725642.91	6.05E-08	1.21E-08	7.26E-08	1.19E-08	1.52E-09	1.35E-08	6.42E-08	7.07E-09	7.13E-08	6.62E-09	5.17E-10	7.13E-09
968	436835.99	3725634.81	5.96E-08	1.20E-08	7.16E-08	1.18E-08	1.50E-09	1.33E-08	6.33E-08	6.97E-09	7.03E-08	6.52E-09	5.09E-10	7.03E-09
969	436830.86	3725626.72	5.89E-08	1.18E-08	7.07E-08	1.16E-08	1.48E-09	1.31E-08	6.26E-08	6.89E-09	6.95E-08	6.44E-09	5.03E-10	6.95E-09
970	436825.73	3725618.63	5.83E-08	1.17E-08	7.01E-08	1.15E-08	1.47E-09	1.30E-08	6.20E-08	6.82E-09	6.88E-08	6.38E-09	4.98E-10	6.88E-09
971	436820.6	3725610.53	5.78E-08	1.16E-08	6.94E-08	1.14E-08	1.46E-09	1.29E-08	6.14E-08	6.76E-09	6.82E-08	6.32E-09	4.94E-10	6.82E-09
972	436815.46	3725602.44	5.72E-08	1.15E-08	6.87E-08	1.13E-08	1.44E-09	1.27E-08	6.08E-08	6.69E-09	6.75E-08	6.26E-09	4.89E-10	6.75E-09
973	437051.58	3725974.77	8.76E-08	1.76E-08	1.05E-07	1.73E-08	2.21E-09	1.95E-08	9.31E-08	1.02E-08	1.03E-07	9.59E-09	7.49E-10	1.03E-08
974	437058.97	3725981.05	8.86E-08	1.78E-08	1.06E-07	1.75E-08	2.23E-09	1.97E-08	9.41E-08	1.04E-08	1.04E-07	9.69E-09	7.57E-10	1.04E-08
975	437066.36	3725987.33	8.96E-08	1.80E-08	1.08E-07	1.77E-08	2.26E-09	1.99E-08	9.51E-08	1.05E-08	1.06E-07	9.80E-09	7.65E-10	1.06E-08
976	437073.75	3725993.61	9.04E-08	1.81E-08	1.09E-07	1.79E-08	2.28E-09	2.01E-08	9.61E-08	1.06E-08	1.07E-07	9.89E-09	7.73E-10	1.07E-08
977	437081.14	3725999.89	9.13E-08	1.83E-08	1.10E-07	1.80E-08	2.30E-09	2.03E-08	9.70E-08	1.07E-08	1.08E-07	9.99E-09	7.80E-10	1.08E-08
978	437088.53	3726006.17	9.21E-08	1.85E-08	1.11E-07	1.82E-08	2.32E-09	2.05E-08	9.78E-08	1.08E-08	1.09E-07	1.01E-08	7.87E-10	1.09E-08
979	437095.92	3726012.45	9.29E-08	1.86E-08	1.12E-07	1.84E-08	2.34E-09	2.07E-08	9.87E-08	1.09E-08	1.10E-07	1.02E-08	7.94E-10	1.10E-08
980	437103.31	3726018.73	9.37E-08	1.88E-08	1.12E-07	1.85E-08	2.36E-09	2.09E-08	9.95E-08	1.10E-08	1.10E-07	1.02E-08	8.00E-10	1.10E-08
981	437110.69	3726025.01	9.45E-08	1.90E-08	1.13E-07	1.87E-08	2.38E-09	2.10E-08	1.00E-07	1.10E-08	1.11E-07	1.03E-08	8.07E-10	1.11E-08
982	437118.08	3726031.29	9.53E-08	1.91E-08	1.14E-07	1.88E-08	2.40E-09	2.12E-08	1.01E-07	1.11E-08	1.12E-07	1.04E-08	8.14E-10	1.12E-08
983	437125.47	3726037.57	9.61E-08	1.93E-08	1.15E-07	1.90E-08	2.42E-09	2.14E-08	1.02E-07	1.12E-08	1.13E-07	1.05E-08	8.21E-10	1.13E-08
984	437132.86	3726043.85	9.70E-08	1.95E-08	1.16E-07	1.92E-08	2.44E-09	2.16E-08	1.03E-07	1.13E-08	1.14E-07	1.06E-08	8.29E-10	1.14E-08
985	437020.5	3725997.08	8.22E-08	1.65E-08	9.87E-08	1.62E-08	2.07E-09	1.83E-08	8.74E-08	9.62E-09	9.70E-08	9.00E-09	7.02E-10	9.70E-09
986	437015.32	3725988.92	8.19E-08	1.64E-08	9.83E-08	1.62E-08	2.06E-09	1.82E-08	8.70E-08	9.58E-09	9.65E-08	8.96E-09	6.99E-10	9.66E-09
987	437010.14	3725980.75	8.12E-08	1.63E-08	9.75E-08	1.60E-08	2.05E-09	1.81E-08	8.63E-08	9.50E-09	9.58E-08	8.88E-09	6.94E-10	9.58E-09
988	437004.96	3725972.59	8.04E-08	1.61E-08	9.66E-08	1.59E-08	2.03E-09	1.79E-08	8.54E-08	9.41E-09	9.49E-08	8.80E-09	6.87E-10	9.49E-09
989	436999.79	3725964.42	7.97E-08	1.60E-08	9.57E-08	1.58E-08	2.01E-09	1.78E-08	8.47E-08	9.33E-09	9.40E-08	8.72E-09	6.81E-10	9.40E-09
990	436994.61	3725956.26	7.90E-08	1.59E-08	9.49E-08	1.56E-08	1.99E-09	1.76E-08	8.40E-08	9.24E-09	9.32E-08	8.65E-09	6.75E-10	9.32E-09
991	436989.43	3725948.09	7.83E-08	1.57E-08	9.40E-08	1.55E-08	1.97E-09	1.74E-08	8.32E-08	9.16E-09	9.23E-08	8.57E-09	6.69E-10	9.24E-09
992	436984.25	3725939.92	7.75E-08	1.56E-08	9.31E-08	1.53E-08	1.95E-09	1.73E-08	8.24E-08	9.07E-09	9.14E-08	8.48E-09	6.62E-10	9.14E-09
993	436979.07	3725931.76	7.68E-08	1.54E-08	9.22E-08	1.52E-08	1.94E-09	1.71E-08	8.16E-08	8.98E-09	9.06E-08	8.40E-09	6.56E-10	9.06E-09
994	436973.89	3725923.59	7.61E-08	1.53E-08	9.13E-08	1.50E-08	1.92E-09	1.69E-08	8.08E-08	8.90E-09	8.97E-08	8.32E-09	6.50E-10	8.97E-09
995	436968.72	3725915.43	7.53E-08	1.51E-08	9.04E-08	1.49E-08	1.90E-09	1.68E-08	8.00E-08	8.81E-09	8.88E-08	8.24E-09	6.43E-10	8.88E-09
996	436963.54	3725907.26	7.46E-08	1.50E-08	8.96E-08	1.47E-08	1.88E-09	1.66E-08	7.92E-08	8.72E-09	8.80E-08	8.16E-09	6.37E-10	8.80E-09
997	436958.36	3725899.1	7.39E-08	1.48E-08	8.88E-08	1.46E-08	1.86E-09	1.65E-08	7.85E-08	8.65E-09	8.72E-08	8.09E-09	6.32E-10	8.72E-09

998	436953.18	3725890.93	7.32E-08	1.47E-08	8.78E-08	1.45E-08	1.84E-09	1.63E-08	7.77E-08	8.56E-09	8.63E-08	8.00E-09	6.25E-10	8.63E-09
999	436948	3725882.77	7.24E-08	1.45E-08	8.69E-08	1.43E-08	1.82E-09	1.61E-08	7.69E-08	8.46E-09	8.53E-08	7.92E-09	6.18E-10	8.53E-09
1000	436942.82	3725874.6	7.16E-08	1.44E-08	8.60E-08	1.41E-08	1.80E-09	1.60E-08	7.61E-08	8.38E-09	8.45E-08	7.83E-09	6.12E-10	8.45E-09
1001	436937.65	3725866.43	7.09E-08	1.42E-08	8.51E-08	1.40E-08	1.79E-09	1.58E-08	7.53E-08	8.29E-09	8.36E-08	7.75E-09	6.05E-10	8.36E-09
1002	436932.47	3725858.27	7.03E-08	1.41E-08	8.44E-08	1.39E-08	1.77E-09	1.56E-08	7.46E-08	8.22E-09	8.28E-08	7.69E-09	6.00E-10	8.29E-09
1003	436927.29	3725850.1	6.96E-08	1.40E-08	8.36E-08	1.37E-08	1.75E-09	1.55E-08	7.39E-08	8.14E-09	8.21E-08	7.61E-09	5.94E-10	8.21E-09
1004	436922.11	3725841.94	6.89E-08	1.38E-08	8.28E-08	1.36E-08	1.74E-09	1.54E-08	7.32E-08	8.06E-09	8.13E-08	7.54E-09	5.89E-10	8.13E-09
1005	436916.93	3725833.77	6.83E-08	1.37E-08	8.20E-08	1.35E-08	1.72E-09	1.52E-08	7.25E-08	7.98E-09	8.05E-08	7.47E-09	5.83E-10	8.05E-09
1006	436911.76	3725825.61	6.78E-08	1.36E-08	8.14E-08	1.34E-08	1.71E-09	1.51E-08	7.21E-08	7.93E-09	8.00E-08	7.42E-09	5.79E-10	8.00E-09
1007	436906.58	3725817.44	6.74E-08	1.35E-08	8.10E-08	1.33E-08	1.70E-09	1.50E-08	7.16E-08	7.88E-09	7.95E-08	7.38E-09	5.76E-10	7.95E-09
1008	436901.4	3725809.28	6.71E-08	1.35E-08	8.05E-08	1.32E-08	1.69E-09	1.49E-08	7.12E-08	7.84E-09	7.91E-08	7.34E-09	5.73E-10	7.91E-09
1009	436896.22	3725801.11	6.66E-08	1.34E-08	8.00E-08	1.32E-08	1.68E-09	1.48E-08	7.08E-08	7.79E-09	7.86E-08	7.29E-09	5.69E-10	7.86E-09
1010	436891.04	3725792.94	6.62E-08	1.33E-08	7.95E-08	1.31E-08	1.67E-09	1.47E-08	7.03E-08	7.74E-09	7.80E-08	7.24E-09	5.65E-10	7.80E-09
1011	436885.86	3725784.78	6.57E-08	1.32E-08	7.89E-08	1.30E-08	1.66E-09	1.46E-08	6.98E-08	7.68E-09	7.75E-08	7.19E-09	5.61E-10	7.75E-09
1012	436880.69	3725776.61	6.53E-08	1.31E-08	7.84E-08	1.29E-08	1.64E-09	1.45E-08	6.93E-08	7.63E-09	7.70E-08	7.14E-09	5.57E-10	7.70E-09
1013	436875.51	3725768.45	6.49E-08	1.30E-08	7.79E-08	1.28E-08	1.63E-09	1.44E-08	6.89E-08	7.58E-09	7.65E-08	7.09E-09	5.54E-10	7.65E-09
1014	436870.33	3725760.28	6.46E-08	1.30E-08	7.76E-08	1.28E-08	1.63E-09	1.44E-08	6.86E-08	7.55E-09	7.62E-08	7.07E-09	5.52E-10	7.62E-09
1015	436865.15	3725752.12	6.43E-08	1.29E-08	7.72E-08	1.27E-08	1.62E-09	1.43E-08	6.83E-08	7.52E-09	7.58E-08	7.03E-09	5.49E-10	7.58E-09
1016	436808.19	3725662.3	5.77E-08	1.16E-08	6.93E-08	1.14E-08	1.45E-09	1.28E-08	6.13E-08	6.75E-09	6.80E-08	6.31E-09	4.93E-10	6.80E-09
1017	437025.68	3726005.25	8.26E-08	1.66E-08	9.91E-08	1.63E-08	2.08E-09	1.84E-08	8.77E-08	9.66E-09	9.74E-08	9.03E-09	7.05E-10	9.74E-09
1018	437033.07	3726011.53	8.34E-08	1.67E-08	1.00E-07	1.65E-08	2.10E-09	1.86E-08	8.86E-08	9.75E-09	9.83E-08	9.12E-09	7.12E-10	9.83E-09
1019	437040.46	3726017.81	8.43E-08	1.69E-08	1.01E-07	1.66E-08	2.12E-09	1.88E-08	8.95E-08	9.85E-09	9.94E-08	9.22E-09	7.20E-10	9.94E-09
1020	437047.84	3726024.09	8.50E-08	1.71E-08	1.02E-07	1.68E-08	2.14E-09	1.89E-08	9.03E-08	9.94E-09	1.00E-07	9.30E-09	7.26E-10	1.00E-08
1021	437055.23	3726030.37	8.57E-08	1.72E-08	1.03E-07	1.69E-08	2.16E-09	1.91E-08	9.11E-08	1.00E-08	1.01E-07	9.38E-09	7.32E-10	1.01E-08
1022	437062.62	3726036.65	8.64E-08	1.73E-08	1.04E-07	1.71E-08	2.18E-09	1.93E-08	9.18E-08	1.01E-08	1.02E-07	9.46E-09	7.38E-10	1.02E-08
1023	437070.01	3726042.93	8.72E-08	1.75E-08	1.05E-07	1.72E-08	2.20E-09	1.94E-08	9.26E-08	1.02E-08	1.03E-07	9.54E-09	7.45E-10	1.03E-08
1024	437077.4	3726049.21	8.80E-08	1.77E-08	1.06E-07	1.74E-08	2.22E-09	1.96E-08	9.35E-08	1.03E-08	1.04E-07	9.63E-09	7.52E-10	1.04E-08
1025	437084.79	3726055.49	8.87E-08	1.78E-08	1.07E-07	1.75E-08	2.24E-09	1.98E-08	9.42E-08	1.04E-08	1.05E-07	9.71E-09	7.58E-10	1.05E-08
1026	437092.18	3726061.77	8.94E-08	1.79E-08	1.07E-07	1.77E-08	2.25E-09	1.99E-08	9.49E-08	1.05E-08	1.05E-07	9.78E-09	7.63E-10	1.05E-08
1027	437099.57	3726068.05	9.01E-08	1.81E-08	1.08E-07	1.78E-08	2.27E-09	2.01E-08	9.57E-08	1.05E-08	1.06E-07	9.85E-09	7.69E-10	1.06E-08
1028	437106.96	3726074.33	9.09E-08	1.82E-08	1.09E-07	1.80E-08	2.29E-09	2.02E-08	9.65E-08	1.06E-08	1.07E-07	9.94E-09	7.76E-10	1.07E-08
1029	436994.64	3726027.64	7.67E-08	1.54E-08	9.21E-08	1.51E-08	1.93E-09	1.71E-08	8.15E-08	8.97E-09	9.04E-08	8.39E-09	6.55E-10	9.04E-09
1030	436989.52	3726019.55	7.65E-08	1.54E-08	9.19E-08	1.51E-08	1.93E-09	1.70E-08	8.13E-08	8.95E-09	9.02E-08	8.37E-09	6.54E-10	9.02E-09
1031	436984.39	3726011.47	7.62E-08	1.53E-08	9.15E-08	1.51E-08	1.92E-09	1.70E-08	8.10E-08	8.91E-09	8.99E-08	8.34E-09	6.51E-10	8.99E-09
1032	436979.26	3726003.38	7.58E-08	1.52E-08	9.11E-08	1.50E-08	1.91E-09	1.69E-08	8.06E-08	8.87E-09	8.94E-08	8.30E-09	6.48E-10	8.95E-09
1033	436974.13	3725995.29	7.54E-08	1.51E-08	9.06E-08	1.49E-08	1.90E-09	1.68E-08	8.01E-08	8.82E-09	8.90E-08	8.25E-09	6.44E-10	8.90E-09
1034	436969	3725987.2	7.50E-08	1.50E-08	9.00E-08	1.48E-08	1.89E-09	1.67E-08	7.96E-08	8.77E-09	8.84E-08	8.20E-09	6.40E-10	8.84E-09
1035	436963.87	3725979.12	7.43E-08	1.49E-08	8.93E-08	1.47E-08	1.87E-09	1.66E-08	7.90E-08	8.69E-09	8.77E-08	8.13E-09	6.35E-10	8.77E-09
1036	436958.74	3725971.03	7.37E-08	1.48E-08	8.85E-08	1.46E-08	1.86E-09	1.64E-08	7.83E-08	8.62E-09	8.69E-08	8.06E-09	6.29E-10	8.69E-09
1037	436953.61	3725962.94	7.30E-08	1.46E-08	8.76E-08	1.44E-08	1.84E-09	1.63E-08	7.75E-08	8.53E-09	8.61E-08	7.98E-09	6.23E-10	8.61E-09
1038	436948.49	3725954.85	7.23E-08	1.45E-08	8.68E-08	1.43E-08	1.82E-09	1.61E-08	7.68E-08	8.46E-09	8.53E-08	7.91E-09	6.18E-10	8.53E-09
1039	436943.36	3725946.77	7.17E-08	1.44E-08	8.60E-08	1.42E-08	1.81E-09	1.60E-08	7.61E-08	8.38E-09	8.45E-08	7.84E-09	6.12E-10	8.45E-09
1040	436938.23	3725938.68	7.10E-08	1.43E-08	8.53E-08	1.40E-08	1.79E-09	1.58E-08	7.55E-08	8.31E-09	8.38E-08	7.77E-09	6.07E-10	8.38E-09
1041	436933.1	3725930.59	7.04E-08	1.41E-08	8.45E-08	1.39E-08	1.77E-09	1.57E-08	7.48E-08	8.23E-09	8.30E-08	7.70E-09	6.01E-10	8.30E-09
1042	436927.97	3725922.5	6.97E-08	1.40E-08	8.37E-08	1.38E-08	1.76E-09	1.55E-08	7.41E-08	8.16E-09	8.22E-08	7.63E-09	5.96E-10	8.23E-09
1043	436922.84	3725914.42	6.90E-08	1.38E-08	8.28E-08	1.36E-08	1.74E-09	1.54E-08	7.33E-08	8.07E-09	8.13E-08	7.55E-09	5.89E-10	8.13E-09
1044	436917.71	3725906.33	6.82E-08	1.37E-08	8.19E-08	1.35E-08	1.72E-09	1.52E-08	7.24E-08	7.98E-09	8.04E-08	7.46E-09	5.83E-10	8.04E-09
1045	436912.58	3725898.24	6.74E-08	1.35E-08	8.10E-08	1.33E-08	1.70E-09	1.50E-08	7.16E-08	7.88E-09	7.95E-08	7.38E-09	5.76E-10	7.95E-09
1046	436907.46	3725890.15	6.67E-08	1.34E-08	8.01E-08	1.32E-08	1.68E-09	1.49E-08	7.08E-08	7.80E-09	7.86E-08	7.30E-09	5.70E-10	7.87E-09
1047	436902.33	3725882.07	6.60E-08	1.32E-08	7.92E-08	1.30E-08	1.66E-09	1.47E-08	7.01E-08	7.71E-09	7.78E-08	7.22E-09	5.63E-10	7.78E-09
1048	436897.2	3725873.98	6.52E-08	1.31E-08	7.83E-08	1.29E-08	1.64E-09	1.45E-08	6.93E-08	7.63E-09	7.69E-08	7.13E-09	5.57E-10	7.69E-09
1049	436892.07	3725865.89	6.45E-08	1.29E-08	7.74E-08	1.27E-08	1.62E-09	1.44E-08	6.85E-08	7.54E-09	7.60E-08	7.05E-09	5.51E-10	7.60E-09
1050	436886.94	3725857.8	6.39E-08	1.28E-08	7.67E-08	1.26E-08	1.61E-09	1.42E-08	6.78E-08	7.47E-09	7.53E-08	6.99E-09	5.45E-10	7.53E-09
1051	436881.81	3725849.72	6.33E-08	1.27E-08	7.60E-08	1.25E-08	1.59E-09	1.41E-08	6.72E-08	7.40E-09	7.46E-08	6.92E-09	5.40E-10	7.46E-09
1052	436866.43	3725825.45	6.18E-08	1.24E-08	7.42E-08	1.22E-08	1.56E-09	1.38E-08	6.56E-08	7.23E-09	7.29E-08	6.76E-09	5.28E-10	7.29E-09
1053	436861.3	3725817.37	6.14E-08	1.23E-08	7.37E-08	1.21E-08	1.55E-09	1.37E-08	6.52E-08	7.18E-09	7.24E-08	6.72E-09	5.24E-10	7.24E-09
1054	436856.17	3725809.28	6.10E-08	1.22E-08	7.32E-08	1.20E-08	1.54E-09	1.36E-08	6.48E-08	7.13E-09	7.19E-08	6.67E-09	5.21E-10	7.19E-09
1055	436851.04	3725801.19	6.06E-08	1.22E-08	7.27E-08	1.20E-08	1.53E-09	1.35E-08	6.44E-08	7.09E-09	7.14E-08	6.63E-09	5.18E-10	7.15E-09
1056	436845.91	3725793.11	6.01E-08	1.21E-08	7.22E-08	1.19E-08	1.52E-09	1.34E-08	6.39E-08	7.03E-09	7.09E-08	6.58E-09	5.14E-10	7.09E-09
1057	436840.78	3725785.02	5.97E-08	1.20E-08	7.17E-08	1.18E-08	1.50E-09	1.33E-08	6.34E-08	6.98E-09	7.04E-08	6.53E-09	5.10E-10	7.04E-09
1058	436835.65	3725776.93	5.93E-08	1.19E-08	7.12E-08	1.17E-08	1.49E-09	1.32E-08	6.30E-08	6.93E-09	6.99E-08	6.48E-09	5.06E-10	6.99E-09
1059	436830.53	3725768.84	5.89E-08	1.18E-08	7.08E-08	1.16E-08	1.49E-09	1.31E-08	6.26E-08	6.89E-09	6.95E-08	6.45E-09	5.03E-10	6.95E-09
1060	436825.4	3725760.76	5.86E-08	1.18E-08	7.04E-08	1.16E-08	1.48E-09	1.31E-08	6.23E-08	6.85E-09	6.91E-08	6.41E-09	5.01E-10	6.91E-09
1061	436999.77	3726035.73	7.69E-08	1.54E-08	9.23E-08	1.52E-08	1.94E-09	1.71E-08	8.17E-08	8.99E-09	9.07E-08	8.41E-09	6.57E-10	9.07E-09
1062	437007.16	3726042.01	7.75E-08	1.56E-08	9.31E-08	1.53E-08	1.95E-09	1.73E-08	8.23E-08	9.06E-09	9.14E-08	8.48E-09	6.62E-10	9.14E-09
1063	437014.55	3726048.29	7.81E-08	1.57E-08	9.38E-08	1.54E-08	1.97E-09	1.74E-08	8.30E-08	9.14E-09	9.21E-08	8.55E-09	6.67E-10	9.21E-09
1064	437021.94	3726054.57	7.88E-08	1.58E-08	9.46E-08	1.56E-08	1.98E-09	1.75E-08	8.37E-08	9.21E-09	9.29E-08	8.62E-09	6.73E-10	9.29E-09
1065	437029.33	3726060.85	7.94E-08	1.59E-08	9.53E-08	1.57E-08	2.00E-09	1.77E-08	8.44E-08	9.29E-09	9.36E-08	8.69E-09	6.78E-10	9.37E-09
1066	437036.72	3726067.13	8.01E-08	1.61E-08	9.62E-08	1.58E-08	2.02E-09	1.78E-08	8.51E-08	9.37E-09	9.45E-08	8.76E-09	6.84E-10	9.45E-09
1067	437044.11	3726073.41	8.08E-08	1.62E-08	9.70E-08	1.60E-08	2.04E-09	1.80E-08	8.58E-08	9.45E-09	9.52E-08	8.84E-09	6.90E-10	9.53E-09
1068	437051.5	3726079.69	8.16E-08	1.64E-08	9.80E-08	1.61E-08	2.06E-09	1.82E-08	8.67E-08	9.54E-09	9.62E-08	8.92E-09	6.97E-10	9.62E-09
1069	437058.89	3726085.97	8.26E-08	1.66E-08	9.91E-08	1.63E-08	2.08E-09	1.84E-08	8.77E-08	9.66E-09	9.74E-08	9.03E-09	7.05E-10	9.74E-09
1070	437066.28	3726092.25	8.36E-08	1.68E-08	1.00E-07	1.65E-08	2.11E-09	1.86E-08	8.88E-08	9.78E-09	9.86E-08	9.15E-09	7.14E-10	9.86E-09
1071	437073.66	3726098.53	8.48E-08	1.70E-08	1.02E-07	1.67E-08	2.14E-09	1.89E-08	9.01E-08	9.91E-09	1.00E-07	9.27E-09	7.24E-10	1.00E-08
1072	437081.05	3726104.81	8.59E-08	1.72E-08	1.03E-07	1.70E-08	2.17E-09	1.91E-08	9.13E-08	1.00E-08	1.01E-07	9.40E-09	7.34E-10	1.01E-08
1073	436968.7	3726058.05	7.18E-08	1.44E-08	8.62E-08	1.42E-08	1.81E-09	1.60E-08	7.62E-08	8.39E-09	8.46E-08	7.85E-09	6.13E-10	8.46E-09
1074	436963.53	3726049.9	7.16E-08	1.44E-08	8.60E-08	1.41E-08	1.80E-09	1.60E-08	7.61E-08	8.38E-09	8.45E-08	7.83E-09	6.12E-10	8.45E-09

1075	436958.36	3726041.75	7.14E-08	1.43E-08	8.58E-08	1.41E-08	1.80E-09	1.59E-08	7.59E-08	8.35E-09	8.42E-08	7.81E-09	6.10E-10	8.42E-09
1076	436953.19	3726033.6	7.13E-08	1.43E-08	8.55E-08	1.41E-08	1.80E-09	1.59E-08	7.57E-08	8.33E-09	8.40E-08	7.79E-09	6.09E-10	8.40E-09
1077	436948.02	3726025.44	7.11E-08	1.43E-08	8.53E-08	1.40E-08	1.79E-09	1.58E-08	7.55E-08	8.31E-09	8.38E-08	7.77E-09	6.07E-10	8.38E-09
1078	436942.85	3726017.29	7.08E-08	1.42E-08	8.50E-08	1.40E-08	1.78E-09	1.58E-08	7.52E-08	8.28E-09	8.35E-08	7.74E-09	6.05E-10	8.35E-09
1079	436937.68	3726009.14	7.04E-08	1.41E-08	8.45E-08	1.39E-08	1.77E-09	1.57E-08	7.47E-08	8.23E-09	8.30E-08	7.70E-09	6.01E-10	8.30E-09
1080	436932.51	3726000.98	6.99E-08	1.40E-08	8.39E-08	1.38E-08	1.76E-09	1.56E-08	7.42E-08	8.17E-09	8.24E-08	7.65E-09	5.97E-10	8.24E-09
1081	436927.34	3725992.83	6.94E-08	1.39E-08	8.33E-08	1.37E-08	1.75E-09	1.55E-08	7.37E-08	8.11E-09	8.18E-08	7.59E-09	5.93E-10	8.18E-09
1082	436922.17	3725984.68	6.88E-08	1.38E-08	8.26E-08	1.36E-08	1.73E-09	1.53E-08	7.31E-08	8.04E-09	8.11E-08	7.53E-09	5.88E-10	8.11E-09
1083	436917	3725976.52	6.81E-08	1.37E-08	8.18E-08	1.35E-08	1.72E-09	1.52E-08	7.24E-08	7.97E-09	8.03E-08	7.45E-09	5.82E-10	8.03E-09
1084	436911.83	3725968.37	6.74E-08	1.35E-08	8.10E-08	1.33E-08	1.70E-09	1.50E-08	7.16E-08	7.88E-09	7.95E-08	7.38E-09	5.76E-10	7.95E-09
1085	436906.66	3725960.22	6.68E-08	1.34E-08	8.02E-08	1.32E-08	1.68E-09	1.49E-08	7.09E-08	7.81E-09	7.87E-08	7.30E-09	5.70E-10	7.87E-09
1086	436901.48	3725952.07	6.61E-08	1.33E-08	7.94E-08	1.31E-08	1.67E-09	1.47E-08	7.02E-08	7.73E-09	7.79E-08	7.23E-09	5.65E-10	7.80E-09
1087	436896.31	3725943.91	6.55E-08	1.31E-08	7.86E-08	1.29E-08	1.65E-09	1.46E-08	6.96E-08	7.66E-09	7.72E-08	7.16E-09	5.59E-10	7.72E-09
1088	436891.14	3725935.76	6.48E-08	1.30E-08	7.78E-08	1.28E-08	1.63E-09	1.44E-08	6.89E-08	7.58E-09	7.64E-08	7.09E-09	5.54E-10	7.64E-09
1089	436885.97	3725927.61	6.41E-08	1.29E-08	7.69E-08	1.27E-08	1.61E-09	1.43E-08	6.81E-08	7.49E-09	7.56E-08	7.01E-09	5.47E-10	7.56E-09
1090	436880.8	3725919.45	6.34E-08	1.27E-08	7.61E-08	1.25E-08	1.60E-09	1.41E-08	6.73E-08	7.41E-09	7.47E-08	6.93E-09	5.41E-10	7.48E-09
1091	436875.63	3725911.3	6.26E-08	1.26E-08	7.52E-08	1.24E-08	1.58E-09	1.40E-08	6.65E-08	7.33E-09	7.39E-08	6.85E-09	5.35E-10	7.39E-09
1092	436870.46	3725903.15	6.20E-08	1.24E-08	7.44E-08	1.22E-08	1.56E-09	1.38E-08	6.58E-08	7.25E-09	7.31E-08	6.78E-09	5.29E-10	7.31E-09
1093	436865.29	3725894.99	6.13E-08	1.23E-08	7.36E-08	1.21E-08	1.55E-09	1.37E-08	6.51E-08	7.17E-09	7.23E-08	6.71E-09	5.24E-10	7.23E-09
1094	436860.12	3725886.84	6.07E-08	1.22E-08	7.28E-08	1.20E-08	1.53E-09	1.35E-08	6.44E-08	7.09E-09	7.15E-08	6.64E-09	5.18E-10	7.15E-09
1095	436854.95	3725878.69	6.00E-08	1.20E-08	7.20E-08	1.19E-08	1.51E-09	1.34E-08	6.37E-08	7.02E-09	7.08E-08	6.56E-09	5.13E-10	7.08E-09
1096	436834.27	3725846.08	5.80E-08	1.16E-08	6.96E-08	1.15E-08	1.46E-09	1.29E-08	6.16E-08	6.78E-09	6.84E-08	6.34E-09	4.95E-10	6.84E-09
1097	436829.1	3725837.92	5.75E-08	1.15E-08	6.90E-08	1.13E-08	1.45E-09	1.28E-08	6.10E-08	6.72E-09	6.78E-08	6.29E-09	4.91E-10	6.78E-09
1098	436823.93	3725829.77	5.71E-08	1.14E-08	6.85E-08	1.13E-08	1.44E-09	1.27E-08	6.06E-08	6.67E-09	6.73E-08	6.24E-09	4.87E-10	6.73E-09
1099	436818.76	3725821.62	5.66E-08	1.14E-08	6.80E-08	1.12E-08	1.43E-09	1.26E-08	6.01E-08	6.62E-09	6.68E-08	6.19E-09	4.84E-10	6.68E-09
1100	436813.59	3725813.46	5.62E-08	1.13E-08	6.75E-08	1.11E-08	1.42E-09	1.25E-08	5.97E-08	6.57E-09	6.62E-08	6.15E-09	4.80E-10	6.63E-09
1101	436808.42	3725805.31	5.58E-08	1.12E-08	6.70E-08	1.10E-08	1.41E-09	1.24E-08	5.92E-08	6.52E-09	6.58E-08	6.10E-09	4.76E-10	6.58E-09
1102	436803.25	3725797.16	5.54E-08	1.11E-08	6.65E-08	1.09E-08	1.40E-09	1.23E-08	5.89E-08	6.48E-09	6.53E-08	6.06E-09	4.73E-10	6.53E-09
1103	436798.08	3725789.01	5.50E-08	1.10E-08	6.61E-08	1.09E-08	1.39E-09	1.23E-08	5.85E-08	6.44E-09	6.49E-08	6.02E-09	4.70E-10	6.49E-09
1104	436792.91	3725780.85	5.47E-08	1.10E-08	6.57E-08	1.08E-08	1.38E-09	1.22E-08	5.81E-08	6.40E-09	6.45E-08	5.98E-09	4.67E-10	6.45E-09
1105	436687.87	3725073.86	4.62E-08	9.27E-09	5.54E-08	9.12E-09	1.16E-09	1.03E-08	4.91E-08	5.40E-09	5.45E-08	5.05E-09	3.94E-10	5.45E-09
1106	436973.87	3726066.21	7.20E-08	1.44E-08	8.64E-08	1.42E-08	1.81E-09	1.60E-08	7.64E-08	8.41E-09	8.48E-08	7.87E-09	6.15E-10	8.49E-09
1107	436981.26	3726072.49	7.25E-08	1.45E-08	8.70E-08	1.43E-08	1.83E-09	1.61E-08	7.70E-08	8.47E-09	8.54E-08	7.93E-09	6.19E-10	8.55E-09
1108	436988.65	3726078.77	7.30E-08	1.46E-08	8.76E-08	1.44E-08	1.84E-09	1.63E-08	7.75E-08	8.53E-09	8.61E-08	7.98E-09	6.23E-10	8.61E-09
1109	436996.04	3726085.05	7.36E-08	1.48E-08	8.84E-08	1.45E-08	1.86E-09	1.64E-08	7.82E-08	8.61E-09	8.68E-08	8.06E-09	6.29E-10	8.69E-09
1110	437003.43	3726091.33	7.43E-08	1.49E-08	8.92E-08	1.47E-08	1.87E-09	1.65E-08	7.89E-08	8.69E-09	8.76E-08	8.13E-09	6.35E-10	8.76E-09
1111	437010.81	3726097.61	7.50E-08	1.50E-08	9.01E-08	1.48E-08	1.89E-09	1.67E-08	7.97E-08	8.77E-09	8.84E-08	8.20E-09	6.41E-10	8.85E-09
1112	437018.2	3726103.89	7.57E-08	1.52E-08	9.09E-08	1.50E-08	1.91E-09	1.69E-08	8.04E-08	8.86E-09	8.93E-08	8.29E-09	6.47E-10	8.93E-09
1113	437025.59	3726110.17	7.66E-08	1.54E-08	9.20E-08	1.51E-08	1.93E-09	1.71E-08	8.14E-08	8.96E-09	9.03E-08	8.38E-09	6.54E-10	9.04E-09
1114	437032.98	3726116.45	7.76E-08	1.56E-08	9.32E-08	1.53E-08	1.96E-09	1.73E-08	8.24E-08	9.08E-09	9.15E-08	8.49E-09	6.63E-10	9.15E-09
1115	437040.37	3726122.73	7.86E-08	1.58E-08	9.44E-08	1.55E-08	1.98E-09	1.75E-08	8.35E-08	9.20E-09	9.27E-08	8.60E-09	6.72E-10	9.27E-09
1116	437047.76	3726129.01	7.97E-08	1.60E-08	9.57E-08	1.58E-08	2.01E-09	1.78E-08	8.47E-08	9.33E-09	9.40E-08	8.72E-09	6.81E-10	9.40E-09
1117	437055.15	3726135.29	8.09E-08	1.62E-08	9.71E-08	1.60E-08	2.04E-09	1.80E-08	8.59E-08	9.46E-09	9.54E-08	8.85E-09	6.91E-10	9.54E-09
1118	436942.84	3726088.6	6.77E-08	1.36E-08	8.13E-08	1.34E-08	1.71E-09	1.51E-08	7.19E-08	7.92E-09	7.98E-08	7.40E-09	5.78E-10	7.98E-09
1119	436937.71	3726080.52	6.75E-08	1.36E-08	8.11E-08	1.33E-08	1.70E-09	1.50E-08	7.17E-08	7.90E-09	7.96E-08	7.39E-09	5.77E-10	7.97E-09
1120	436932.59	3726072.44	6.74E-08	1.35E-08	8.10E-08	1.33E-08	1.70E-09	1.50E-08	7.16E-08	7.88E-09	7.95E-08	7.38E-09	5.76E-10	7.95E-09
1121	436927.46	3726064.36	6.74E-08	1.35E-08	8.09E-08	1.33E-08	1.70E-09	1.50E-08	7.15E-08	7.88E-09	7.94E-08	7.37E-09	5.75E-10	7.94E-09
1122	436922.34	3726056.28	6.73E-08	1.35E-08	8.08E-08	1.33E-08	1.70E-09	1.50E-08	7.15E-08	7.87E-09	7.93E-08	7.36E-09	5.75E-10	7.93E-09
1123	436917.21	3726048.2	6.72E-08	1.35E-08	8.06E-08	1.33E-08	1.69E-09	1.50E-08	7.14E-08	7.86E-09	7.92E-08	7.35E-09	5.74E-10	7.92E-09
1124	436912.09	3726040.11	6.69E-08	1.34E-08	8.03E-08	1.32E-08	1.69E-09	1.49E-08	7.10E-08	7.82E-09	7.89E-08	7.32E-09	5.71E-10	7.89E-09
1125	436906.96	3726032.03	6.65E-08	1.34E-08	7.99E-08	1.31E-08	1.68E-09	1.48E-08	7.07E-08	7.78E-09	7.85E-08	7.28E-09	5.68E-10	7.85E-09
1126	436901.84	3726023.95	6.62E-08	1.33E-08	7.95E-08	1.31E-08	1.67E-09	1.47E-08	7.03E-08	7.74E-09	7.81E-08	7.24E-09	5.66E-10	7.81E-09
1127	436896.71	3726015.87	6.58E-08	1.32E-08	7.90E-08	1.30E-08	1.66E-09	1.47E-08	6.99E-08	7.70E-09	7.76E-08	7.20E-09	5.62E-10	7.76E-09
1128	436891.59	3726007.79	6.51E-08	1.31E-08	7.82E-08	1.29E-08	1.64E-09	1.45E-08	6.92E-08	7.62E-09	7.68E-08	7.13E-09	5.56E-10	7.68E-09
1129	436886.46	3725999.71	6.45E-08	1.29E-08	7.74E-08	1.27E-08	1.62E-09	1.44E-08	6.85E-08	7.54E-09	7.60E-08	7.05E-09	5.51E-10	7.61E-09
1130	436881.34	3725991.62	6.39E-08	1.28E-08	7.67E-08	1.26E-08	1.61E-09	1.42E-08	6.78E-08	7.47E-09	7.53E-08	6.99E-09	5.45E-10	7.53E-09
1131	436876.21	3725983.54	6.32E-08	1.27E-08	7.59E-08	1.25E-08	1.59E-09	1.41E-08	6.71E-08	7.39E-09	7.45E-08	6.91E-09	5.40E-10	7.45E-09
1132	436871.09	3725975.46	6.26E-08	1.26E-08	7.51E-08	1.24E-08	1.58E-09	1.39E-08	6.65E-08	7.32E-09	7.38E-08	6.85E-09	5.35E-10	7.38E-09
1133	436865.96	3725967.38	6.19E-08	1.24E-08	7.43E-08	1.22E-08	1.56E-09	1.38E-08	6.58E-08	7.24E-09	7.30E-08	6.77E-09	5.29E-10	7.30E-09
1134	436860.84	3725959.3	6.13E-08	1.23E-08	7.35E-08	1.21E-08	1.54E-09	1.36E-08	6.51E-08	7.16E-09	7.22E-08	6.70E-09	5.23E-10	7.22E-09
1135	436855.71	3725951.21	6.06E-08	1.22E-08	7.27E-08	1.20E-08	1.53E-09	1.35E-08	6.44E-08	7.09E-09	7.14E-08	6.63E-09	5.18E-10	7.15E-09
1136	436850.59	3725943.13	5.99E-08	1.20E-08	7.19E-08	1.18E-08	1.51E-09	1.33E-08	6.36E-08	7.00E-09	7.06E-08	6.55E-09	5.11E-10	7.06E-09
1137	436845.46	3725935.05	5.92E-08	1.19E-08	7.10E-08	1.17E-08	1.49E-09	1.32E-08	6.28E-08	6.92E-09	6.98E-08	6.47E-09	5.05E-10	6.98E-09
1138	436840.34	3725926.97	5.84E-08	1.17E-08	7.01E-08	1.15E-08	1.47E-09	1.30E-08	6.21E-08	6.83E-09	6.89E-08	6.39E-09	4.99E-10	6.89E-09
1139	436835.21	3725918.89	5.79E-08	1.16E-08	6.95E-08	1.14E-08	1.46E-09	1.29E-08	6.15E-08	6.77E-09	6.82E-08	6.33E-09	4.94E-10	6.82E-09
1140	436830.09	3725910.81	5.74E-08	1.15E-08	6.89E-08	1.13E-08	1.45E-09	1.28E-08	6.09E-08	6.71E-09	6.76E-08	6.27E-09	4.90E-10	6.76E-09
1141	436804.46	3725870.4	5.49E-08	1.10E-08	6.59E-08	1.08E-08	1.38E-09	1.22E-08	5.83E-08	6.42E-09	6.48E-08	6.01E-09	4.69E-10	6.48E-09
1142	436799.34	3725862.32	5.45E-08	1.09E-08	6.54E-08	1.08E-08	1.37E-09	1.21E-08	5.79E-08	6.37E-09	6.42E-08	5.96E-09	4.65E-10	6.43E-09
1143	436794.21	3725854.23	5.40E-08	1.08E-08	6.49E-08	1.07E-08	1.36E-09	1.20E-08	5.74E-08	6.32E-09	6.37E-08	5.91E-09	4.62E-10	6.37E-09
1144	436789.09	3725846.15	5.36E-08	1.08E-08	6.44E-08	1.06E-08	1.35E-09	1.19E-08	5.69E-08	6.27E-09	6.32E-08	5.86E-09	4.58E-10	6.32E-09
1145	436783.96	3725838.07	5.32E-08	1.07E-08	6.38E-08	1.05E-08	1.34E-09	1.18E-08	5.65E-08	6.22E-09	6.27E-08	5.82E-09	4.54E-10	6.27E-09
1146	436778.84	3725829.99	5.28E-08	1.06E-08	6.34E-08	1.04E-08	1.33E-09	1.18E-08	5.61E-08	6.17E-09	6.23E-08	5.78E-09	4.51E-10	6.23E-09
1147	436773.71	3725821.91	5.25E-08	1.05E-08	6.30E-08	1.04E-08	1.32E-09	1.17E-08	5.57E-08	6.14E-09	6.19E-08	5.74E-09	4.48E-10	6.19E-09
1148	436768.59	3725813.82	5.21E-08	1.05E-08	6.26E-08	1.03E-08	1.31E-09	1.16E-08	5.53E-08	6.09E-09	6.14E-08	5.70E-09	4.45E-10	6.14E-09
1149	436763.46	3725805.74	5.18E-08	1.04E-08	6.22E-08	1.02E-08	1.30E-09	1.15E-08	5.50E-08	6.05E-09	6.10E-08	5.66E-09	4.42E-10	6.11E-09
1150	436947.97	3726096.69	6.78E-08	1.36E-08	8.14E-08	1.34E-08	1.71E-09	1.51E-08	7.21E-08	7.93E-09	8.00E-08	7.42E-09	5.79E-10	8.00E-09
1151	436955.35	3726102.97	6.83E-08	1.37E-08	8.20E-08	1.35E-08	1.72E-09	1.52E-08	7.25E-08	7.98E-09	8.05E-08	7.47E-09	5.83E-10	8.05E-09

1152	436962.74	3726109.25	6.89E-08	1.38E-08	8.27E-08	1.36E-08	1.74E-09	1.53E-08	7.31E-08	8.05E-09	8.12E-08	7.53E-09	5.88E-10	8.12E-09
1153	436970.13	3726115.53	6.96E-08	1.40E-08	8.36E-08	1.37E-08	1.75E-09	1.55E-08	7.39E-08	8.14E-09	8.21E-08	7.61E-09	5.94E-10	8.21E-09
1154	436977.52	3726121.81	7.04E-08	1.41E-08	8.45E-08	1.39E-08	1.77E-09	1.57E-08	7.47E-08	8.23E-09	8.30E-08	7.70E-09	6.01E-10	8.30E-09
1155	436984.91	3726128.09	7.11E-08	1.43E-08	8.54E-08	1.40E-08	1.79E-09	1.58E-08	7.55E-08	8.31E-09	8.38E-08	7.78E-09	6.07E-10	8.39E-09
1156	436992.3	3726134.37	7.19E-08	1.44E-08	8.63E-08	1.42E-08	1.81E-09	1.60E-08	7.64E-08	8.41E-09	8.48E-08	7.87E-09	6.14E-10	8.48E-09
1157	436999.69	3726140.65	7.28E-08	1.46E-08	8.74E-08	1.44E-08	1.84E-09	1.62E-08	7.74E-08	8.52E-09	8.59E-08	7.97E-09	6.22E-10	8.59E-09
1158	437007.08	3726146.93	7.38E-08	1.48E-08	8.86E-08	1.46E-08	1.86E-09	1.64E-08	7.84E-08	8.63E-09	8.70E-08	8.07E-09	6.30E-10	8.70E-09
1159	437014.47	3726153.21	7.47E-08	1.50E-08	8.97E-08	1.48E-08	1.88E-09	1.66E-08	7.94E-08	8.74E-09	8.81E-08	8.18E-09	6.38E-10	8.82E-09
1160	437021.86	3726159.49	7.57E-08	1.52E-08	9.09E-08	1.50E-08	1.91E-09	1.69E-08	8.04E-08	8.85E-09	8.93E-08	8.28E-09	6.47E-10	8.93E-09
1161	437029.25	3726165.77	7.67E-08	1.54E-08	9.21E-08	1.51E-08	1.93E-09	1.71E-08	8.15E-08	8.97E-09	9.04E-08	8.39E-09	6.55E-10	9.04E-09
1162	437520.06	3725611.33	1.07E-06	2.14E-07	1.28E-06	2.10E-07	2.68E-08	2.37E-07	1.13E-06	1.25E-07	1.26E-06	1.17E-07	9.10E-09	1.26E-07
1163	437507.55	3725626.93	9.07E-07	1.82E-07	1.09E-06	1.79E-07	2.29E-08	2.02E-07	9.64E-07	1.06E-07	1.07E-06	9.93E-08	7.75E-09	1.07E-07
1164	437495.04	3725642.54	7.77E-07	1.56E-07	9.33E-07	1.53E-07	1.96E-08	1.73E-07	8.25E-07	9.09E-08	9.16E-07	8.50E-08	6.64E-09	9.17E-08
1165	437470.46	3725661.28	6.16E-07	1.24E-07	7.40E-07	1.22E-07	1.55E-08	1.37E-07	6.54E-07	7.20E-08	7.26E-07	6.74E-08	5.26E-09	7.26E-08
1166	437482.1	3725670.61	6.39E-07	1.28E-07	7.68E-07	1.26E-07	1.61E-08	1.42E-07	6.79E-07	7.48E-08	7.54E-07	7.00E-08	5.46E-09	7.54E-08
1167	437451.7	3725684.69	5.12E-07	1.03E-07	6.15E-07	1.01E-07	1.29E-08	1.14E-07	5.44E-07	5.99E-08	6.04E-07	5.61E-08	4.38E-09	6.04E-08
1168	437463.34	3725694.02	5.30E-07	1.06E-07	6.37E-07	1.05E-07	1.34E-08	1.18E-07	5.63E-07	6.20E-08	6.25E-07	5.80E-08	4.53E-09	6.26E-08
1169	437432.93	3725708.1	4.37E-07	8.77E-08	5.25E-07	8.63E-08	1.10E-08	9.73E-08	4.64E-07	5.11E-08	5.15E-07	4.78E-08	3.73E-09	5.15E-08
1170	437444.57	3725717.43	4.51E-07	9.05E-08	5.42E-07	8.91E-08	1.14E-08	1.00E-07	4.79E-07	5.27E-08	5.32E-07	4.93E-08	3.85E-09	5.32E-08
1171	437425.81	3725740.84	3.91E-07	7.84E-08	4.69E-07	7.71E-08	9.84E-09	8.70E-08	4.15E-07	4.57E-08	4.61E-07	4.27E-08	3.34E-09	4.61E-08
1172	437407.05	3725764.25	3.45E-07	6.93E-08	4.15E-07	6.82E-08	8.71E-09	7.69E-08	3.67E-07	4.04E-08	4.07E-07	3.78E-08	2.95E-09	4.07E-08
1173	437357.88	3725801.73	2.71E-07	5.43E-08	3.25E-07	5.34E-08	6.82E-09	6.03E-08	2.87E-07	3.16E-08	3.19E-07	2.96E-08	2.31E-09	3.19E-08
1174	437335.13	3725821.85	2.40E-07	4.81E-08	2.88E-07	4.73E-08	6.04E-09	5.34E-08	2.55E-07	2.80E-08	2.83E-07	2.62E-08	2.05E-09	2.83E-08
1175	437344.94	3725829.81	2.44E-07	4.90E-08	2.93E-07	4.82E-08	6.15E-09	5.44E-08	2.59E-07	2.86E-08	2.88E-07	2.67E-08	2.09E-09	2.88E-08
1176	437316.14	3725845.07	2.14E-07	4.30E-08	2.57E-07	4.23E-08	5.39E-09	4.77E-08	2.27E-07	2.50E-08	2.52E-07	2.34E-08	1.83E-09	2.52E-08
1177	437326.17	3725853.21	2.18E-07	4.38E-08	2.62E-07	4.31E-08	5.50E-09	4.86E-08	2.32E-07	2.55E-08	2.57E-07	2.39E-08	1.86E-09	2.57E-08
1178	437271.84	3725899.26	1.67E-07	3.36E-08	2.01E-07	3.31E-08	4.22E-09	3.73E-08	1.78E-07	1.96E-08	1.97E-07	1.83E-08	1.43E-09	1.97E-08
1179	437282.39	3725907.83	1.71E-07	3.42E-08	2.05E-07	3.37E-08	4.30E-09	3.80E-08	1.81E-07	1.99E-08	2.01E-07	1.87E-08	1.46E-09	2.01E-08
1180	437246.53	3725930.23	1.48E-07	2.97E-08	1.78E-07	2.92E-08	3.73E-09	3.29E-08	1.57E-07	1.73E-08	1.74E-07	1.62E-08	1.26E-09	1.74E-08
1181	437257.38	3725939.05	1.51E-07	3.02E-08	1.81E-07	2.98E-08	3.80E-09	3.36E-08	1.60E-07	1.76E-08	1.78E-07	1.65E-08	1.29E-09	1.78E-08
1182	437221.22	3725961.2	1.32E-07	2.64E-08	1.58E-07	2.60E-08	3.32E-09	2.93E-08	1.40E-07	1.54E-08	1.55E-07	1.44E-08	1.13E-09	1.55E-08
1183	437232.36	3725970.26	1.34E-07	2.69E-08	1.61E-07	2.65E-08	3.38E-09	2.98E-08	1.42E-07	1.57E-08	1.58E-07	1.47E-08	1.14E-09	1.58E-08
1184	437195.91	3725992.17	1.18E-07	2.36E-08	1.41E-07	2.32E-08	2.97E-09	2.62E-08	1.25E-07	1.38E-08	1.39E-07	1.29E-08	1.01E-09	1.39E-08
1185	437207.34	3726001.47	1.20E-07	2.40E-08	1.44E-07	2.37E-08	3.02E-09	2.67E-08	1.27E-07	1.40E-08	1.41E-07	1.31E-08	1.02E-09	1.41E-08
1186	437172.07	3726024.35	1.07E-07	2.15E-08	1.28E-07	2.11E-08	2.69E-09	2.38E-08	1.14E-07	1.25E-08	1.26E-07	1.17E-08	9.13E-10	1.26E-08
1187	437182.33	3726032.68	1.09E-07	2.18E-08	1.30E-07	2.15E-08	2.74E-09	2.42E-08	1.15E-07	1.27E-08	1.28E-07	1.19E-08	9.28E-10	1.28E-08
1188	437146.83	3726055.38	9.89E-08	1.99E-08	1.19E-07	1.95E-08	2.49E-09	2.20E-08	1.05E-07	1.16E-08	1.17E-07	1.08E-08	8.45E-10	1.17E-08
1189	437157.31	3726063.89	1.00E-07	2.01E-08	1.20E-07	1.98E-08	2.53E-09	2.23E-08	1.07E-07	1.17E-08	1.18E-07	1.10E-08	8.57E-10	1.18E-08
1190	437121.59	3726086.41	9.29E-08	1.86E-08	1.12E-07	1.83E-08	2.34E-09	2.07E-08	9.86E-08	1.09E-08	1.10E-07	1.02E-08	7.93E-10	1.10E-08
1191	437132.29	3726095.1	9.43E-08	1.89E-08	1.13E-07	1.86E-08	2.38E-09	2.10E-08	1.00E-07	1.10E-08	1.11E-07	1.03E-08	8.05E-10	1.11E-08
1192	437096.35	3726117.44	8.79E-08	1.76E-08	1.06E-07	1.74E-08	2.22E-09	1.96E-08	9.34E-08	1.03E-08	1.04E-07	9.62E-09	7.51E-10	1.04E-08
1193	437107.27	3726126.31	8.93E-08	1.79E-08	1.07E-07	1.76E-08	2.25E-09	1.99E-08	9.49E-08	1.04E-08	1.05E-07	9.77E-09	7.63E-10	1.05E-08
1194	437071.11	3726148.47	8.31E-08	1.67E-08	9.98E-08	1.64E-08	2.09E-09	1.85E-08	8.83E-08	9.72E-09	9.80E-08	9.09E-09	7.10E-10	9.80E-09
1195	437082.26	3726157.52	8.46E-08	1.70E-08	1.02E-07	1.67E-08	2.13E-09	1.88E-08	8.99E-08	9.89E-09	9.98E-08	9.25E-09	7.23E-10	9.98E-09
1196	437045.88	3726179.49	7.89E-08	1.58E-08	9.47E-08	1.56E-08	1.99E-09	1.76E-08	8.38E-08	9.22E-09	9.30E-08	8.63E-09	6.74E-10	9.30E-09
1197	437057.24	3726188.73	8.02E-08	1.61E-08	9.63E-08	1.58E-08	2.02E-09	1.79E-08	8.52E-08	9.38E-09	9.46E-08	8.77E-09	6.85E-10	9.46E-09
1198	437676.44	3725481.96	1.04E-05	2.08E-06	1.24E-05	2.05E-06	2.61E-07	2.31E-06	1.10E-05	1.21E-06	1.22E-05	1.13E-06	8.85E-08	1.22E-06
1199	437598.06	3725572.83	2.48E-06	4.97E-07	2.98E-06	4.90E-07	6.25E-08	5.52E-07	2.63E-06	2.90E-07	2.92E-06	2.71E-07	2.12E-08	2.92E-07
1200	437532.24	3725621.7	1.10E-06	2.22E-07	1.33E-06	2.18E-07	2.78E-08	2.46E-07	1.17E-06	1.29E-07	1.30E-06	1.21E-07	9.43E-09	1.30E-07
1201	437545.81	3725633.41	1.15E-06	2.30E-07	1.38E-06	2.26E-07	2.89E-08	2.55E-07	1.22E-06	1.34E-07	1.35E-06	1.25E-07	9.79E-09	1.35E-07
1202	437519.18	3725636.85	9.35E-07	1.88E-07	1.12E-06	1.85E-07	2.36E-08	2.08E-07	9.94E-07	1.09E-07	1.10E-06	1.02E-07	7.99E-09	1.10E-07
1203	437525.96	3725642.7	9.50E-07	1.91E-07	1.14E-06	1.88E-07	2.39E-08	2.12E-07	1.01E-06	1.11E-07	1.12E-06	1.04E-07	8.12E-09	1.12E-07
1204	437493.3	3725680.56	6.59E-07	1.32E-07	7.91E-07	1.30E-07	1.66E-08	1.47E-07	7.00E-07	7.71E-08	7.77E-07	7.21E-08	5.63E-09	7.77E-08
1205	437500.09	3725686.41	6.71E-07	1.35E-07	8.05E-07	1.33E-07	1.69E-08	1.49E-07	7.13E-07	7.85E-08	7.91E-07	7.34E-08	5.73E-09	7.91E-08
1206	437473.71	3725703.28	5.45E-07	1.09E-07	6.55E-07	1.08E-07	1.37E-08	1.21E-07	5.79E-07	6.38E-08	6.43E-07	5.96E-08	4.66E-09	6.43E-08
1207	437480.49	3725709.13	5.55E-07	1.11E-07	6.67E-07	1.10E-07	1.40E-08	1.24E-07	5.90E-07	6.49E-08	6.55E-07	6.08E-08	4.74E-09	6.55E-08
1208	437454.11	3725726	4.61E-07	9.26E-08	5.54E-07	9.11E-08	1.16E-08	1.03E-07	4.90E-07	5.39E-08	5.44E-07	5.05E-08	3.94E-09	5.44E-08
1209	437434.52	3725748.71	3.97E-07	7.97E-08	4.77E-07	7.85E-08	1.00E-08	8.85E-08	4.22E-07	4.65E-08	4.68E-07	4.35E-08	3.39E-09	4.69E-08
1210	437414.93	3725771.43	3.50E-07	7.02E-08	4.20E-07	6.91E-08	8.82E-09	7.80E-08	3.72E-07	4.09E-08	4.13E-07	3.83E-08	2.99E-09	4.13E-08
1211	437395.33	3725794.15	3.12E-07	6.26E-08	3.74E-07	6.16E-08	7.86E-09	6.95E-08	3.31E-07	3.65E-08	3.68E-07	3.41E-08	2.66E-09	3.68E-08
1212	437356.14	3725839.58	2.49E-07	4.99E-08	2.99E-07	4.91E-08	6.27E-09	5.54E-08	2.64E-07	2.91E-08	2.93E-07	2.72E-08	2.12E-09	2.93E-08
1213	437362.93	3725845.43	2.51E-07	5.04E-08	3.01E-07	4.96E-08	6.33E-09	5.59E-08	2.67E-07	2.94E-08	2.96E-07	2.75E-08	2.14E-09	2.96E-08
1214	437336.55	3725862.3	2.22E-07	4.46E-08	2.67E-07	4.39E-08	5.60E-09	4.95E-08	2.36E-07	2.60E-08	2.62E-07	2.43E-08	1.90E-09	2.62E-08
1215	437343.33	3725868.15	2.25E-07	4.51E-08	2.70E-07	4.44E-08	5.67E-09	5.01E-08	2.39E-07	2.63E-08	2.65E-07	2.46E-08	1.92E-09	2.65E-08
1216	437290.83	3725915.3	1.73E-07	3.47E-08	2.08E-07	3.42E-08	4.36E-09	3.85E-08	1.84E-07	2.02E-08	2.04E-07	1.89E-08	1.48E-09	2.04E-08
1217	437297.61	3725921.15	1.75E-07	3.51E-08	2.10E-07	3.45E-08	4.41E-09	3.89E-08	1.86E-07	2.04E-08	2.06E-07	1.91E-08	1.49E-09	2.06E-08
1218	437264.7	3725945.59	1.52E-07	3.06E-08	1.83E-07	3.01E-08	3.84E-09	3.39E-08	1.62E-07	1.78E-08	1.80E-07	1.67E-08	1.30E-09	1.80E-08
1219	437271.48	3725951.44	1.54E-07	3.09E-08	1.85E-07	3.04E-08	3.88E-09	3.43E-08	1.63E-07	1.80E-08	1.81E-07	1.68E-08	1.31E-09	1.81E-08
1220	437245.36	3725981.73	1.36E-07	2.74E-08	1.64E-07	2.69E-08	3.44E-09	3.04E-08	1.45E-07	1.59E-08	1.61E-07	1.49E-08	1.16E-09	1.61E-08
1221	437219.23	3726012.02	1.22E-07	2.45E-08	1.46E-07	2.41E-08	3.07E-09	2.72E-08	1.30E-07	1.43E-08	1.44E-07	1.33E-08	1.04E-09	1.44E-08
1222	437193.11	3726042.31	1.10E-07	2.21E-08	1.32E-07	2.18E-08	2.78E-09	2.46E-08	1.17E-07	1.29E-08	1.30E-07	1.21E-08	9.42E-10	1.30E-08
1223	437166.98	3726072.6	1.01E-07	2.03E-08	1.22E-07	2.00E-08	2.56E-09	2.26E-08	1.08E-07	1.19E-08	1.20E-07	1.11E-08	8.66E-10	1.20E-08
1224	437140.85	3726102.89	9.53E-08	1.91E-08	1.14E-07	1.88E-08	2.40E-09	2.12E-08	1.01E-07	1.11E-08	1.12E-07	1.04E-08	8.14E-10	1.12E-08
1225	437114.73	3726133.18	9.02E-08	1.81E-08	1.08E-07	1.78E-08	2.27E-09	2.01E-08	9.58E-08	1.05E-08	1.06E-07	9.87E-09	7.70E-10	1.06E-08
1226	437719.82	3725444.76	2.17E-05	4.36E-06	2.61E-05	4.29E-06	5.47E-07	4.84E-06	2.31E-05	2.54E-06	2.56E-05	2.38E-06	1.86E-07	2.56E-06
1227	437728.16	3725437.23	2.40E-05	4.82E-06	2.88E-05	4.74E-06	6.05E-07	5.34E-06	2.55E-05	2.81E-06	2.83E-05	2.63E-06	2.05E-07	2.83E-06
1228	437738	3725425.67	2.73E-05	5.48E-06	3.28E-05	5.39E-06	6.88E-07	6.08E-06	2.90E-05	3.19E-06	3.22E-05	2.99E-06	2.33E-07	3.22E-06

1229	437726.3	3725451.82	1.91E-05	3.83E-06	2.29E-05	3.77E-06	4.81E-07	4.25E-06	2.03E-05	2.23E-06	2.25E-05	2.09E-06	1.63E-07	2.25E-06
1230	437712.3	3725454.87	1.84E-05	3.69E-06	2.21E-05	3.63E-06	4.64E-07	4.10E-06	1.95E-05	2.15E-06	2.17E-05	2.01E-06	1.57E-07	2.17E-06
1231	437735.78	3725443.71	2.08E-05	4.18E-06	2.50E-05	4.12E-06	5.25E-07	4.64E-06	2.21E-05	2.44E-06	2.46E-05	2.28E-06	1.78E-07	2.46E-06
1232	437745.62	3725432.15	2.32E-05	4.66E-06	2.79E-05	4.58E-06	5.85E-07	5.17E-06	2.47E-05	2.71E-06	2.74E-05	2.54E-06	1.98E-07	2.74E-06
1233	437733.34	3725458.59	1.69E-05	3.40E-06	2.03E-05	3.34E-06	4.26E-07	3.77E-06	1.80E-05	1.98E-06	2.00E-05	1.85E-06	1.45E-07	2.00E-06
1234	437723.07	3725463.82	1.60E-05	3.22E-06	1.92E-05	3.16E-06	4.04E-07	3.57E-06	1.70E-05	1.87E-06	1.89E-05	1.75E-06	1.37E-07	1.89E-06
1235	437712.46	3725464.64	1.57E-05	3.15E-06	1.88E-05	3.10E-06	3.96E-07	3.50E-06	1.67E-05	1.84E-06	1.85E-05	1.72E-06	1.34E-07	1.85E-06
1236	437701.51	3725461.05	1.62E-05	3.24E-06	1.94E-05	3.19E-06	4.07E-07	3.60E-06	1.72E-05	1.89E-06	1.91E-05	1.77E-06	1.38E-07	1.91E-06
1237	437743.39	3725450.2	1.82E-05	3.66E-06	2.19E-05	3.60E-06	4.60E-07	4.06E-06	1.94E-05	2.13E-06	2.15E-05	2.00E-06	1.56E-07	2.15E-06
1238	437753.23	3725438.64	2.00E-05	4.00E-06	2.40E-05	3.94E-06	5.03E-07	4.45E-06	2.12E-05	2.33E-06	2.35E-05	2.18E-06	1.70E-07	2.35E-06
1239	437740.61	3725465.25	1.51E-05	3.04E-06	1.82E-05	2.99E-06	3.81E-07	3.37E-06	1.61E-05	1.77E-06	1.78E-05	1.66E-06	1.29E-07	1.78E-06
1240	437729.66	3725470.83	1.44E-05	2.89E-06	1.73E-05	2.85E-06	3.63E-07	3.21E-06	1.53E-05	1.69E-06	1.70E-05	1.58E-06	1.23E-07	1.70E-06
1241	437712.86	3725474.49	1.36E-05	2.72E-06	1.63E-05	2.68E-06	3.42E-07	3.02E-06	1.44E-05	1.59E-06	1.60E-05	1.48E-06	1.16E-07	1.60E-06
1242	437701.18	3725470.66	1.39E-05	2.79E-06	1.67E-05	2.74E-06	3.50E-07	3.09E-06	1.48E-05	1.62E-06	1.64E-05	1.52E-06	1.19E-07	1.64E-06
1243	437751.01	3725456.68	1.61E-05	3.23E-06	1.93E-05	3.18E-06	4.06E-07	3.59E-06	1.71E-05	1.88E-06	1.90E-05	1.76E-06	1.38E-07	1.90E-06
1244	437760.85	3725445.12	1.73E-05	3.48E-06	2.08E-05	3.42E-06	4.37E-07	3.86E-06	1.84E-05	2.03E-06	2.04E-05	1.90E-06	1.48E-07	2.04E-06
1245	437748	3725471.85	1.36E-05	2.73E-06	1.63E-05	2.69E-06	3.43E-07	3.03E-06	1.45E-05	1.59E-06	1.61E-05	1.49E-06	1.16E-07	1.61E-06
1246	437736.59	3725477.66	1.30E-05	2.62E-06	1.57E-05	2.58E-06	3.29E-07	2.90E-06	1.39E-05	1.53E-06	1.54E-05	1.43E-06	1.11E-07	1.54E-06
1247	437725.18	3725483.47	1.21E-05	2.44E-06	1.46E-05	2.40E-06	3.06E-07	2.70E-06	1.29E-05	1.42E-06	1.43E-05	1.33E-06	1.04E-07	1.43E-06
1248	437713.39	3725484.38	1.18E-05	2.37E-06	1.42E-05	2.34E-06	2.98E-07	2.63E-06	1.26E-05	1.38E-06	1.39E-05	1.29E-06	1.01E-07	1.39E-06
1249	437701.22	3725480.39	1.21E-05	2.42E-06	1.45E-05	2.38E-06	3.04E-07	2.69E-06	1.28E-05	1.41E-06	1.42E-05	1.32E-06	1.03E-07	1.42E-06
1250	437758.62	3725463.16	1.43E-05	2.88E-06	1.72E-05	2.83E-06	3.61E-07	3.19E-06	1.52E-05	1.68E-06	1.69E-05	1.57E-06	1.22E-07	1.69E-06
1251	437755.45	3725478.41	1.23E-05	2.47E-06	1.48E-05	2.43E-06	3.10E-07	2.74E-06	1.31E-05	1.44E-06	1.45E-05	1.35E-06	1.05E-07	1.45E-06
1252	437743.71	3725484.39	1.19E-05	2.38E-06	1.42E-05	2.34E-06	2.99E-07	2.64E-06	1.26E-05	1.39E-06	1.40E-05	1.30E-06	1.01E-07	1.40E-06
1253	437731.98	3725490.37	1.11E-05	2.23E-06	1.34E-05	2.20E-06	2.80E-07	2.48E-06	1.18E-05	1.30E-06	1.31E-05	1.22E-06	9.50E-08	1.31E-06
1254	437713.98	3725494.3	1.04E-05	2.09E-06	1.25E-05	2.05E-06	2.62E-07	2.32E-06	1.11E-05	1.22E-06	1.23E-05	1.14E-06	8.89E-08	1.23E-06
1255	437701.47	3725490.19	1.06E-05	2.12E-06	1.27E-05	2.09E-06	2.67E-07	2.36E-06	1.12E-05	1.24E-06	1.25E-05	1.16E-06	9.04E-08	1.25E-06
1256	437688.96	3725486.07	1.06E-05	2.12E-06	1.27E-05	2.09E-06	2.66E-07	2.35E-06	1.12E-05	1.24E-06	1.25E-05	1.16E-06	9.03E-08	1.25E-06
1257	437766.24	3725469.64	1.29E-05	2.58E-06	1.54E-05	2.54E-06	3.24E-07	2.86E-06	1.37E-05	1.50E-06	1.52E-05	1.41E-06	1.10E-07	1.52E-06
1258	437762.94	3725484.96	1.12E-05	2.24E-06	1.34E-05	2.21E-06	2.81E-07	2.49E-06	1.19E-05	1.31E-06	1.32E-05	1.22E-06	9.54E-08	1.32E-06
1259	437750.96	3725491.06	1.08E-05	2.17E-06	1.30E-05	2.14E-06	2.73E-07	2.41E-06	1.15E-05	1.26E-06	1.28E-05	1.18E-06	9.24E-08	1.28E-06
1260	437738.98	3725497.17	1.02E-05	2.05E-06	1.23E-05	2.02E-06	2.58E-07	2.28E-06	1.09E-05	1.20E-06	1.21E-05	1.12E-06	8.74E-08	1.21E-06
1261	437727	3725503.27	9.51E-06	1.91E-06	1.14E-05	1.88E-06	2.40E-07	2.12E-06	1.01E-05	1.11E-06	1.12E-05	1.04E-06	8.12E-08	1.12E-06
1262	437714.62	3725504.22	9.23E-06	1.85E-06	1.11E-05	1.82E-06	2.32E-07	2.05E-06	9.80E-06	1.08E-06	1.09E-05	1.01E-06	7.88E-08	1.09E-06
1263	437701.85	3725500.03	9.36E-06	1.88E-06	1.12E-05	1.85E-06	2.36E-07	2.08E-06	9.94E-06	1.09E-06	1.10E-05	1.02E-06	7.99E-08	1.10E-06
1264	437689.07	3725495.83	9.33E-06	1.87E-06	1.12E-05	1.84E-06	2.35E-07	2.08E-06	9.91E-06	1.09E-06	1.10E-05	1.02E-06	7.97E-08	1.10E-06
1265	437676.3	3725491.63	9.15E-06	1.84E-06	1.10E-05	1.81E-06	2.31E-07	2.04E-06	9.72E-06	1.07E-06	1.08E-05	1.00E-06	7.82E-08	1.08E-06
1266	437773.85	3725476.12	1.16E-05	2.32E-06	1.39E-05	2.29E-06	2.92E-07	2.58E-06	1.23E-05	1.35E-06	1.37E-05	1.27E-06	9.89E-08	1.37E-06
1267	437770.46	3725491.49	1.02E-05	2.04E-06	1.22E-05	2.01E-06	2.56E-07	2.27E-06	1.08E-05	1.19E-06	1.20E-05	1.11E-06	8.69E-08	1.20E-06
1268	437758.29	3725497.69	9.90E-06	1.99E-06	1.19E-05	1.96E-06	2.49E-07	2.20E-06	1.05E-05	1.16E-06	1.17E-05	1.08E-06	8.46E-08	1.17E-06
1269	437746.12	3725503.89	9.44E-06	1.89E-06	1.13E-05	1.86E-06	2.38E-07	2.10E-06	1.00E-05	1.10E-06	1.11E-05	1.03E-06	8.06E-08	1.11E-06
1270	437733.95	3725510.09	8.83E-06	1.77E-06	1.06E-05	1.74E-06	2.23E-07	1.97E-06	9.38E-06	1.03E-06	1.04E-05	9.66E-07	7.54E-08	1.04E-06
1271	437715.29	3725514.16	8.23E-06	1.65E-06	9.88E-06	1.62E-06	2.07E-07	1.83E-06	8.74E-06	9.62E-07	9.70E-06	9.00E-07	7.03E-08	9.70E-07
1272	437702.31	3725509.9	8.33E-06	1.67E-06	1.00E-05	1.64E-06	2.10E-07	1.85E-06	8.85E-06	9.74E-07	9.82E-06	9.11E-07	7.11E-08	9.82E-07
1273	437689.33	3725505.63	8.30E-06	1.67E-06	9.97E-06	1.64E-06	2.09E-07	1.85E-06	8.82E-06	9.71E-07	9.79E-06	9.08E-07	7.09E-08	9.79E-07
1274	437676.36	3725501.37	8.14E-06	1.63E-06	9.77E-06	1.61E-06	2.05E-07	1.81E-06	8.64E-06	9.52E-07	9.60E-06	8.90E-07	6.95E-08	9.60E-07
1275	437781.47	3725482.6	1.05E-05	2.10E-06	1.25E-05	2.06E-06	2.63E-07	2.33E-06	1.11E-05	1.22E-06	1.23E-05	1.14E-06	8.93E-08	1.23E-06
1276	437791.31	3725471.04	1.09E-05	2.18E-06	1.30E-05	2.14E-06	2.73E-07	2.42E-06	1.15E-05	1.27E-06	1.28E-05	1.19E-06	9.27E-08	1.28E-06
1277	437778	3725498.01	9.27E-06	1.86E-06	1.11E-05	1.83E-06	2.34E-07	2.07E-06	9.85E-06	1.08E-06	1.09E-05	1.01E-06	7.92E-08	1.09E-06
1278	437765.68	3725504.29	9.09E-06	1.82E-06	1.09E-05	1.80E-06	2.29E-07	2.03E-06	9.66E-06	1.06E-06	1.07E-05	9.95E-07	7.77E-08	1.07E-06
1279	437753.36	3725510.57	8.72E-06	1.75E-06	1.05E-05	1.72E-06	2.20E-07	1.94E-06	9.26E-06	1.02E-06	1.03E-05	9.54E-07	7.45E-08	1.03E-06
1280	437741.03	3725516.84	8.22E-06	1.65E-06	9.86E-06	1.62E-06	2.07E-07	1.83E-06	8.73E-06	9.61E-07	9.69E-06	8.99E-07	7.02E-08	9.69E-07
1281	437728.71	3725523.12	7.62E-06	1.53E-06	9.15E-06	1.51E-06	1.92E-07	1.70E-06	8.10E-06	8.91E-07	8.99E-06	8.34E-07	6.51E-08	8.99E-07
1282	437715.98	3725524.11	7.38E-06	1.48E-06	8.86E-06	1.46E-06	1.86E-07	1.64E-06	7.84E-06	8.63E-07	8.70E-06	8.07E-07	6.30E-08	8.70E-07
1283	437702.84	3725519.79	7.45E-06	1.50E-06	8.95E-06	1.47E-06	1.88E-07	1.66E-06	7.92E-06	8.72E-07	8.79E-06	8.15E-07	6.37E-08	8.79E-07
1284	437689.7	3725515.47	7.42E-06	1.49E-06	8.91E-06	1.47E-06	1.87E-07	1.65E-06	7.89E-06	8.68E-07	8.75E-06	8.12E-07	6.34E-08	8.76E-07
1285	437676.56	3725511.16	7.28E-06	1.46E-06	8.74E-06	1.44E-06	1.84E-07	1.62E-06	7.74E-06	8.52E-07	8.59E-06	7.97E-07	6.22E-08	8.59E-07
1286	437789.08	3725489.09	9.47E-06	1.90E-06	1.14E-05	1.87E-06	2.39E-07	2.11E-06	1.01E-05	1.11E-06	1.12E-05	1.04E-06	8.09E-08	1.12E-06
1287	437798.92	3725477.53	9.78E-06	1.96E-06	1.17E-05	1.93E-06	2.46E-07	2.18E-06	1.04E-05	1.14E-06	1.15E-05	1.07E-06	8.36E-08	1.15E-06
1288	437785.55	3725504.52	8.48E-06	1.70E-06	1.02E-05	1.68E-06	2.14E-07	1.89E-06	9.01E-06	9.92E-07	1.00E-05	9.28E-07	7.25E-08	1.00E-06
1289	437773.11	3725510.86	8.36E-06	1.68E-06	1.00E-05	1.65E-06	2.11E-07	1.86E-06	8.88E-06	9.78E-07	9.86E-06	9.15E-07	7.14E-08	9.86E-07
1290	437760.66	3725517.21	8.07E-06	1.62E-06	9.69E-06	1.59E-06	2.03E-07	1.80E-06	8.57E-06	9.43E-07	9.51E-06	8.82E-07	6.89E-08	9.51E-07
1291	437748.21	3725523.55	7.65E-06	1.54E-06	9.19E-06	1.51E-06	1.93E-07	1.70E-06	8.13E-06	8.95E-07	9.02E-06	8.37E-07	6.54E-08	9.02E-07
1292	437735.76	3725529.89	7.15E-06	1.43E-06	8.59E-06	1.41E-06	1.80E-07	1.59E-06	7.60E-06	8.36E-07	8.43E-06	7.82E-07	6.11E-08	8.43E-07
1293	437716.68	3725534.05	6.65E-06	1.33E-06	7.99E-06	1.31E-06	1.68E-07	1.48E-06	7.06E-06	7.78E-07	7.84E-06	7.28E-07	5.68E-08	7.84E-07
1294	437703.41	3725529.69	6.71E-06	1.35E-06	8.05E-06	1.32E-06	1.69E-07	1.49E-06	7.12E-06	7.84E-07	7.91E-06	7.34E-07	5.73E-08	7.91E-07
1295	437690.13	3725525.33	6.68E-06	1.34E-06	8.02E-06	1.32E-06	1.68E-07	1.49E-06	7.09E-06	7.81E-07	7.87E-06	7.30E-07	5.70E-08	7.87E-07
1296	437676.86	3725520.97	6.55E-06	1.31E-06	7.87E-06	1.29E-06	1.65E-07	1.46E-06	6.96E-06	7.66E-07	7.73E-06	7.17E-07	5.60E-08	7.73E-07
1297	437663.59	3725516.61	6.34E-06	1.27E-06	7.61E-06	1.25E-06	1.60E-07	1.41E-06	6.73E-06	7.41E-07	7.48E-06	6.94E-07	5.41E-08	7.48E-07
1298	437796.7	3725495.57	8.62E-06	1.73E-06	1.03E-05	1.70E-06	2.17E-07	1.92E-06	9.15E-06	1.01E-06	1.02E-05	9.43E-07	7.36E-08	1.02E-06
1299	437806.54	3725484.01	8.87E-06	1.78E-06	1.06E-05	1.75E-06	2.23E-07	1.98E-06	9.42E-06	1.04E-06	1.05E-05	9.70E-07	7.58E-08	1.05E-06
1300	437800.69	3725517.53	7.13E-06	1.43E-06	8.57E-06	1.41E-06	1.80E-07	1.59E-06	7.58E-06	8.34E-07	8.41E-06	7.81E-07	6.09E-08	8.41E-07
1301	437788.05	3725523.97	7.12E-06	1.43E-06	8.55E-06	1.41E-06	1.80E-07	1.59E-06	7.57E-06	8.33E-07	8.40E-06	7.79E-07	6.09E-08	8.40E-07
1302	437775.41	3725530.41	6.95E-06	1.39E-06	8.34E-06	1.37E-06	1.75E-07	1.55E-06	7.38E-06	8.12E-07	8.19E-06	7.60E-07	5.93E-08	8.19E-07
1303	437762.77	3725536.85	6.67E-06	1.34E-06	8.01E-06	1.32E-06	1.68E-07	1.49E-06	7.08E-06	7.80E-07	7.86E-06	7.30E-07	5.70E-08	7.87E-07
1304	437750.13	3725543.29	6.31E-06	1.27E-06	7.57E-06	1.25E-06	1.59E-07	1.40E-06	6.70E-06	7.38E-07	7.44E-06	6.90E-07	5.39E-08	7.44E-07
1305	437737.49	3725549.73	5.89E-06	1.18E-06	7.07E-06	1.16E-06	1.48E-07	1.31E-06	6.26E-06	6.89E-07	6.95E-06	6.45E-07	5.03E-08	6.95E-07

1306	437718.11	3725553.96	5.48E-06	1.10E-06	6.58E-06	1.08E-06	1.38E-07	1.22E-06	5.82E-06	6.41E-07	6.47E-06	6.00E-07	4.68E-08	6.47E-07
1307	437704.64	3725549.53	5.51E-06	1.11E-06	6.62E-06	1.09E-06	1.39E-07	1.23E-06	5.86E-06	6.45E-07	6.50E-06	6.03E-07	4.71E-08	6.50E-07
1308	437691.16	3725545.11	5.48E-06	1.10E-06	6.58E-06	1.08E-06	1.38E-07	1.22E-06	5.82E-06	6.41E-07	6.46E-06	5.99E-07	4.68E-08	6.46E-07
1309	437677.68	3725540.68	5.38E-06	1.08E-06	6.46E-06	1.06E-06	1.36E-07	1.20E-06	5.71E-06	6.29E-07	6.34E-06	5.88E-07	4.59E-08	6.34E-07
1310	437664.21	3725536.25	5.22E-06	1.05E-06	6.27E-06	1.03E-06	1.31E-07	1.16E-06	5.54E-06	6.10E-07	6.15E-06	5.71E-07	4.46E-08	6.15E-07
1311	437650.73	3725531.82	5.00E-06	1.00E-06	6.00E-06	9.88E-07	1.26E-07	1.11E-06	5.31E-06	5.85E-07	5.90E-06	5.47E-07	4.27E-08	5.90E-07
1312	437811.93	3725508.53	7.21E-06	1.45E-06	8.65E-06	1.42E-06	1.82E-07	1.61E-06	7.66E-06	8.43E-07	8.50E-06	7.89E-07	6.16E-08	8.50E-07
1313	437821.77	3725496.97	7.36E-06	1.48E-06	8.84E-06	1.45E-06	1.86E-07	1.64E-06	7.82E-06	8.61E-07	8.68E-06	8.06E-07	6.29E-08	8.68E-07
1314	437815.85	3725530.53	6.06E-06	1.22E-06	7.28E-06	1.20E-06	1.53E-07	1.35E-06	6.44E-06	7.09E-07	7.15E-06	6.63E-07	5.18E-08	7.15E-07
1315	437803.07	3725537.04	6.11E-06	1.23E-06	7.34E-06	1.21E-06	1.54E-07	1.36E-06	6.49E-06	7.15E-07	7.21E-06	6.69E-07	5.22E-08	7.21E-07
1316	437790.29	3725543.56	6.01E-06	1.21E-06	7.22E-06	1.19E-06	1.51E-07	1.34E-06	6.39E-06	7.03E-07	7.09E-06	6.58E-07	5.13E-08	7.09E-07
1317	437777.51	3725550.07	5.83E-06	1.17E-06	7.00E-06	1.15E-06	1.47E-07	1.30E-06	6.19E-06	6.82E-07	6.87E-06	6.38E-07	4.98E-08	6.87E-07
1318	437764.73	3725556.58	5.58E-06	1.12E-06	6.69E-06	1.10E-06	1.41E-07	1.24E-06	5.92E-06	6.52E-07	6.57E-06	6.10E-07	4.76E-08	6.58E-07
1319	437751.95	3725563.09	5.27E-06	1.06E-06	6.33E-06	1.04E-06	1.33E-07	1.17E-06	5.60E-06	6.16E-07	6.21E-06	5.76E-07	4.50E-08	6.21E-07
1320	437739.17	3725569.6	4.92E-06	9.88E-07	5.91E-06	9.73E-07	1.24E-07	1.10E-06	5.23E-06	5.76E-07	5.81E-06	5.39E-07	4.21E-08	5.81E-07
1321	437719.58	3725573.88	4.59E-06	9.20E-07	5.51E-06	9.06E-07	1.16E-07	1.02E-06	4.87E-06	5.36E-07	5.41E-06	5.02E-07	3.92E-08	5.41E-07
1322	437705.95	3725569.4	4.60E-06	9.24E-07	5.53E-06	9.09E-07	1.16E-07	1.03E-06	4.89E-06	5.38E-07	5.43E-06	5.04E-07	3.93E-08	5.43E-07
1323	437692.32	3725564.92	4.57E-06	9.17E-07	5.49E-06	9.03E-07	1.15E-07	1.02E-06	4.85E-06	5.34E-07	5.39E-06	5.00E-07	3.90E-08	5.39E-07
1324	437678.7	3725560.45	4.49E-06	9.00E-07	5.39E-06	8.86E-07	1.13E-07	9.99E-07	4.77E-06	5.25E-07	5.29E-06	4.91E-07	3.83E-08	5.29E-07
1325	437665.07	3725555.97	4.36E-06	8.76E-07	5.24E-06	8.62E-07	1.10E-07	9.72E-07	4.63E-06	5.10E-07	5.15E-06	4.77E-07	3.73E-08	5.15E-07
1326	437651.44	3725551.49	4.20E-06	8.42E-07	5.04E-06	8.29E-07	1.06E-07	9.35E-07	4.46E-06	4.91E-07	4.95E-06	4.59E-07	3.59E-08	4.95E-07
1327	437637.82	3725547.02	3.99E-06	8.01E-07	4.80E-06	7.89E-07	1.01E-07	8.90E-07	4.24E-06	4.67E-07	4.71E-06	4.37E-07	3.41E-08	4.71E-07
1328	437827.16	3725521.5	6.09E-06	1.22E-06	7.31E-06	1.20E-06	1.53E-07	1.36E-06	6.47E-06	7.12E-07	7.18E-06	6.66E-07	5.20E-08	7.18E-07
1329	437837	3725509.94	6.18E-06	1.24E-06	7.42E-06	1.22E-06	1.56E-07	1.38E-06	6.57E-06	7.23E-07	7.29E-06	6.76E-07	5.28E-08	7.29E-07
1330	437779.48	3725569.79	4.94E-06	9.92E-07	5.94E-06	9.77E-07	1.25E-07	1.10E-06	5.25E-06	5.78E-07	5.83E-06	5.41E-07	4.22E-08	5.83E-07
1331	437766.59	3725576.36	4.72E-06	9.47E-07	5.66E-06	9.32E-07	1.19E-07	1.05E-06	5.01E-06	5.52E-07	5.56E-06	5.16E-07	4.03E-08	5.56E-07
1332	437753.7	3725582.92	4.46E-06	8.94E-07	5.35E-06	8.80E-07	1.12E-07	9.92E-07	4.73E-06	5.21E-07	5.25E-06	4.87E-07	3.81E-08	5.26E-07
1333	437740.81	3725589.49	4.17E-06	8.37E-07	5.01E-06	8.24E-07	1.05E-07	9.29E-07	4.43E-06	4.88E-07	4.92E-06	4.56E-07	3.56E-08	4.92E-07
1334	437721.06	3725593.8	3.89E-06	7.80E-07	4.67E-06	7.68E-07	9.79E-08	8.65E-07	4.13E-06	4.54E-07	4.58E-06	4.25E-07	3.32E-08	4.58E-07
1335	437707.31	3725589.29	3.89E-06	7.80E-07	4.67E-06	7.68E-07	9.80E-08	8.66E-07	4.13E-06	4.55E-07	4.59E-06	4.25E-07	3.32E-08	4.59E-07
1336	437693.57	3725584.77	3.86E-06	7.74E-07	4.63E-06	7.62E-07	9.73E-08	8.60E-07	4.10E-06	4.51E-07	4.55E-06	4.22E-07	3.30E-08	4.55E-07
1337	437679.83	3725580.26	3.79E-06	7.61E-07	4.56E-06	7.49E-07	9.56E-08	8.45E-07	4.03E-06	4.44E-07	4.47E-06	4.15E-07	3.24E-08	4.47E-07
1338	437666.09	3725575.74	3.70E-06	7.41E-07	4.44E-06	7.30E-07	9.31E-08	8.23E-07	3.93E-06	4.32E-07	4.36E-06	4.04E-07	3.16E-08	4.36E-07
1339	437652.35	3725571.23	3.57E-06	7.16E-07	4.28E-06	7.04E-07	8.99E-08	7.94E-07	3.79E-06	4.17E-07	4.20E-06	3.90E-07	3.05E-08	4.21E-07
1340	437638.61	3725566.71	3.41E-06	6.84E-07	4.09E-06	6.73E-07	8.59E-08	7.59E-07	3.62E-06	3.98E-07	4.02E-06	3.73E-07	2.91E-08	4.02E-07
1341	437624.87	3725562.2	3.23E-06	6.47E-07	3.87E-06	6.37E-07	8.13E-08	7.19E-07	3.43E-06	3.77E-07	3.80E-06	3.53E-07	2.76E-08	3.81E-07
1342	437846.21	3725556.51	4.48E-06	8.99E-07	5.38E-06	8.85E-07	1.13E-07	9.98E-07	4.76E-06	5.24E-07	5.28E-06	4.90E-07	3.83E-08	5.29E-07
1343	437833.24	3725563.12	4.55E-06	9.12E-07	5.46E-06	8.98E-07	1.15E-07	1.01E-06	4.83E-06	5.32E-07	5.36E-06	4.97E-07	3.88E-08	5.36E-07
1344	437820.27	3725569.73	4.56E-06	9.16E-07	5.48E-06	9.01E-07	1.15E-07	1.02E-06	4.85E-06	5.34E-07	5.38E-06	4.99E-07	3.90E-08	5.38E-07
1345	437755.41	3725602.78	3.80E-06	7.62E-07	4.56E-06	7.50E-07	9.57E-08	8.46E-07	4.03E-06	4.44E-07	4.48E-06	4.15E-07	3.24E-08	4.48E-07
1346	437742.44	3725609.39	3.54E-06	7.11E-07	4.25E-06	7.00E-07	8.92E-08	7.89E-07	3.76E-06	4.14E-07	4.18E-06	3.87E-07	3.03E-08	4.18E-07
1347	437722.55	3725613.73	3.29E-06	6.60E-07	3.95E-06	6.50E-07	8.29E-08	7.33E-07	3.49E-06	3.85E-07	3.88E-06	3.60E-07	2.81E-08	3.88E-07
1348	437708.72	3725609.18	3.30E-06	6.61E-07	3.96E-06	6.51E-07	8.31E-08	7.34E-07	3.50E-06	3.85E-07	3.89E-06	3.61E-07	2.82E-08	3.89E-07
1349	437694.88	3725604.64	3.28E-06	6.58E-07	3.94E-06	6.48E-07	8.26E-08	7.30E-07	3.48E-06	3.83E-07	3.87E-06	3.59E-07	2.80E-08	3.87E-07
1350	437681.05	3725600.09	3.24E-06	6.50E-07	3.89E-06	6.40E-07	8.16E-08	7.21E-07	3.44E-06	3.79E-07	3.82E-06	3.54E-07	2.77E-08	3.82E-07
1351	437667.22	3725595.55	3.15E-06	6.32E-07	3.78E-06	6.22E-07	7.94E-08	7.02E-07	3.35E-06	3.69E-07	3.72E-06	3.45E-07	2.69E-08	3.72E-07
1352	437653.39	3725591.01	3.04E-06	6.10E-07	3.65E-06	6.00E-07	7.66E-08	6.77E-07	3.23E-06	3.55E-07	3.58E-06	3.33E-07	2.60E-08	3.58E-07
1353	437639.56	3725586.46	2.92E-06	5.86E-07	3.50E-06	5.77E-07	7.36E-08	6.50E-07	3.10E-06	3.41E-07	3.44E-06	3.19E-07	2.49E-08	3.44E-07
1354	437625.73	3725581.92	2.78E-06	5.57E-07	3.34E-06	5.49E-07	7.00E-08	6.19E-07	2.95E-06	3.25E-07	3.28E-06	3.04E-07	2.37E-08	3.28E-07
1355	437611.89	3725577.37	2.63E-06	5.28E-07	3.16E-06	5.20E-07	6.64E-08	5.86E-07	2.80E-06	3.08E-07	3.11E-06	2.88E-07	2.25E-08	3.11E-07
1356	437857.62	3725547.42	4.47E-06	8.97E-07	5.37E-06	8.83E-07	1.13E-07	9.95E-07	4.75E-06	5.23E-07	5.27E-06	4.89E-07	3.82E-08	5.27E-07
1357	437867.46	3725535.86	4.50E-06	9.03E-07	5.40E-06	8.89E-07	1.13E-07	1.00E-06	4.78E-06	5.26E-07	5.31E-06	4.92E-07	3.85E-08	5.31E-07
1358	437861.41	3725569.49	3.89E-06	7.82E-07	4.68E-06	7.69E-07	9.81E-08	8.67E-07	4.14E-06	4.55E-07	4.59E-06	4.26E-07	3.33E-08	4.59E-07
1359	437848.37	3725576.13	3.95E-06	7.93E-07	4.74E-06	7.80E-07	9.95E-08	8.80E-07	4.20E-06	4.62E-07	4.66E-06	4.32E-07	3.37E-08	4.66E-07
1360	437809.24	3725596.07	3.91E-06	7.85E-07	4.70E-06	7.72E-07	9.85E-08	8.71E-07	4.15E-06	4.57E-07	4.61E-06	4.28E-07	3.34E-08	4.61E-07
1361	437796.2	3725602.71	3.79E-06	7.61E-07	4.55E-06	7.49E-07	9.55E-08	8.44E-07	4.03E-06	4.43E-07	4.47E-06	4.15E-07	3.24E-08	4.47E-07
1362	437724.05	3725633.65	2.81E-06	5.63E-07	3.37E-06	5.54E-07	7.07E-08	6.25E-07	2.98E-06	3.28E-07	3.31E-06	3.07E-07	2.40E-08	3.31E-07
1363	437710.14	3725629.09	2.81E-06	5.64E-07	3.37E-06	5.55E-07	7.08E-08	6.26E-07	2.98E-06	3.29E-07	3.31E-06	3.07E-07	2.40E-08	3.31E-07
1364	437696.24	3725624.52	2.79E-06	5.61E-07	3.35E-06	5.52E-07	7.04E-08	6.22E-07	2.97E-06	3.27E-07	3.29E-06	3.06E-07	2.39E-08	3.29E-07
1365	437682.33	3725619.95	2.76E-06	5.53E-07	3.31E-06	5.44E-07	6.94E-08	6.14E-07	2.93E-06	3.22E-07	3.25E-06	3.01E-07	2.35E-08	3.25E-07
1366	437668.43	3725615.38	2.69E-06	5.39E-07	3.23E-06	5.31E-07	6.77E-08	5.98E-07	2.85E-06	3.14E-07	3.17E-06	2.94E-07	2.29E-08	3.17E-07
1367	437654.52	3725610.81	2.60E-06	5.21E-07	3.12E-06	5.13E-07	6.54E-08	5.78E-07	2.76E-06	3.04E-07	3.06E-06	2.84E-07	2.22E-08	3.06E-07
1368	437640.62	3725606.25	2.50E-06	5.02E-07	3.00E-06	4.94E-07	6.30E-08	5.57E-07	2.66E-06	2.92E-07	2.95E-06	2.74E-07	2.14E-08	2.95E-07
1369	437626.71	3725601.68	2.40E-06	4.81E-07	2.88E-06	4.73E-07	6.04E-08	5.34E-07	2.55E-06	2.80E-07	2.83E-06	2.62E-07	2.05E-08	2.83E-07
1370	437612.81	3725597.11	2.28E-06	4.58E-07	2.74E-06	4.51E-07	5.75E-08	5.08E-07	2.42E-06	2.67E-07	2.69E-06	2.50E-07	1.95E-08	2.69E-07
1371	437598.9	3725592.54	2.16E-06	4.33E-07	2.59E-06	4.27E-07	5.44E-08	4.81E-07	2.29E-06	2.53E-07	2.55E-06	2.36E-07	1.84E-08	2.55E-07
1372	437872.85	3725560.39	3.89E-06	7.80E-07	4.66E-06	7.67E-07	9.79E-08	8.65E-07	4.13E-06	4.54E-07	4.58E-06	4.25E-07	3.32E-08	4.58E-07
1373	437882.69	3725548.83	3.90E-06	7.82E-07	4.68E-06	7.69E-07	9.82E-08	8.68E-07	4.14E-06	4.56E-07	4.59E-06	4.26E-07	3.33E-08	4.59E-07
1374	437824.22	3725609.16	3.45E-06	6.93E-07	4.14E-06	6.82E-07	8.70E-08	7.69E-07	3.67E-06	4.04E-07	4.07E-06	3.78E-07	2.95E-08	4.07E-07
1375	437811.12	3725615.84	3.37E-06	6.76E-07	4.04E-06	6.65E-07	8.48E-08	7.50E-07	3.58E-06	3.94E-07	3.97E-06	3.68E-07	2.88E-08	3.97E-07
1376	437798.02	3725622.51	3.25E-06	6.53E-07	3.90E-06	6.42E-07	8.20E-08	7.24E-07	3.45E-06	3.80E-07	3.83E-06	3.56E-07	2.78E-08	3.84E-07
1377	437784.93	3725629.18	3.12E-06	6.25E-07	3.74E-06	6.15E-07	7.85E-08	6.94E-07	3.31E-06	3.64E-07	3.67E-06	3.41E-07	2.66E-08	3.67E-07
1378	437771.83	3725635.86	2.96E-06	5.93E-07	3.55E-06	5.84E-07	7.45E-08	6.59E-07	3.14E-06	3.46E-07	3.49E-06	3.23E-07	2.53E-08	3.49E-07
1379	437758.73	3725642.53	2.78E-06	5.58E-07	3.34E-06	5.49E-07	7.00E-08	6.19E-07	2.95E-06	3.25E-07	3.28E-06	3.04E-07	2.37E-08	3.28E-07
1380	437711.59	3725649	2.41E-06	4.83E-07	2.89E-06	4.76E-07	6.07E-08	5.36E-07	2.56E-06	2.82E-07	2.84E-06	2.63E-07	2.06E-08	2.84E-07
1381	437697.62	3725644.41	2.39E-06	4.80E-07	2.87E-06	4.73E-07	6.03E-08	5.33E-07	2.54E-06	2.80E-07	2.82E-06	2.62E-07	2.04E-08	2.82E-07
1382	437683.66	3725639.82	2.36E-06	4.74E-07	2.84E-06	4.67E-07	5.95E-08	5.26E-07	2.51E-06	2.76E-07	2.79E-06	2.58E-07	2.02E-08	2.79E-07

1383	437669.69	3725635.23	2.31E-06	4.64E-07	2.78E-06	4.57E-07	5.83E-08	5.15E-07	2.46E-06	2.70E-07	2.73E-06	2.53E-07	1.97E-08	2.73E-07
1384	437655.73	3725630.65	2.24E-06	4.50E-07	2.69E-06	4.43E-07	5.65E-08	5.00E-07	2.38E-06	2.62E-07	2.64E-06	2.45E-07	1.92E-08	2.65E-07
1385	437888.08	3725573.35	3.42E-06	6.86E-07	4.11E-06	6.75E-07	8.62E-08	7.61E-07	3.63E-06	4.00E-07	4.03E-06	3.74E-07	2.92E-08	4.03E-07
1386	437897.92	3725561.79	3.41E-06	6.85E-07	4.10E-06	6.74E-07	8.60E-08	7.60E-07	3.62E-06	3.99E-07	4.02E-06	3.73E-07	2.91E-08	4.02E-07
1387	437891.81	3725595.44	3.06E-06	6.14E-07	3.67E-06	6.04E-07	7.71E-08	6.82E-07	3.25E-06	3.58E-07	3.61E-06	3.35E-07	2.61E-08	3.61E-07
1388	437878.67	3725602.14	3.09E-06	6.20E-07	3.71E-06	6.10E-07	7.78E-08	6.88E-07	3.28E-06	3.61E-07	3.64E-06	3.38E-07	2.64E-08	3.64E-07
1389	437865.52	3725608.84	3.09E-06	6.21E-07	3.71E-06	6.11E-07	7.79E-08	6.89E-07	3.29E-06	3.62E-07	3.65E-06	3.38E-07	2.64E-08	3.65E-07
1390	437812.94	3725635.63	2.94E-06	5.90E-07	3.53E-06	5.80E-07	7.40E-08	6.54E-07	3.12E-06	3.44E-07	3.46E-06	3.21E-07	2.51E-08	3.46E-07
1391	437799.8	3725642.33	2.84E-06	5.69E-07	3.41E-06	5.60E-07	7.15E-08	6.32E-07	3.01E-06	3.32E-07	3.34E-06	3.10E-07	2.42E-08	3.35E-07
1392	437786.65	3725649.03	2.71E-06	5.43E-07	3.25E-06	5.35E-07	6.82E-08	6.03E-07	2.88E-06	3.17E-07	3.19E-06	2.96E-07	2.31E-08	3.19E-07
1393	437773.51	3725655.73	2.56E-06	5.13E-07	3.07E-06	5.05E-07	6.45E-08	5.70E-07	2.72E-06	2.99E-07	3.02E-06	2.80E-07	2.18E-08	3.02E-07
1394	437760.36	3725662.42	2.40E-06	4.82E-07	2.89E-06	4.75E-07	6.06E-08	5.35E-07	2.55E-06	2.81E-07	2.84E-06	2.63E-07	2.05E-08	2.84E-07
1395	437747.22	3725669.12	2.24E-06	4.50E-07	2.69E-06	4.43E-07	5.65E-08	4.99E-07	2.38E-06	2.62E-07	2.64E-06	2.45E-07	1.92E-08	2.64E-07
1396	437699.03	3725664.31	2.07E-06	4.15E-07	2.49E-06	4.09E-07	5.22E-08	4.61E-07	2.20E-06	2.42E-07	2.44E-06	2.27E-07	1.77E-08	2.44E-07
1397	437903.31	3725586.31	3.02E-06	6.06E-07	3.62E-06	5.96E-07	7.61E-08	6.72E-07	3.21E-06	3.53E-07	3.56E-06	3.30E-07	2.58E-08	3.56E-07
1398	437913.15	3725574.75	3.00E-06	6.03E-07	3.61E-06	5.93E-07	7.57E-08	6.69E-07	3.19E-06	3.51E-07	3.54E-06	3.29E-07	2.57E-08	3.54E-07
1399	437907.02	3725608.42	2.71E-06	5.45E-07	3.26E-06	5.36E-07	6.84E-08	6.04E-07	2.88E-06	3.17E-07	3.20E-06	2.97E-07	2.32E-08	3.20E-07
1400	437893.84	3725615.14	2.76E-06	5.54E-07	3.31E-06	5.45E-07	6.95E-08	6.14E-07	2.93E-06	3.23E-07	3.25E-06	3.02E-07	2.36E-08	3.25E-07
1401	437880.65	3725621.85	2.78E-06	5.57E-07	3.33E-06	5.48E-07	7.00E-08	6.18E-07	2.95E-06	3.25E-07	3.27E-06	3.04E-07	2.37E-08	3.27E-07
1402	437854.28	3725635.29	2.76E-06	5.55E-07	3.32E-06	5.46E-07	6.96E-08	6.16E-07	2.94E-06	3.23E-07	3.26E-06	3.02E-07	2.36E-08	3.26E-07
1403	437841.1	3725642.01	2.73E-06	5.48E-07	3.28E-06	5.39E-07	6.88E-08	6.08E-07	2.90E-06	3.19E-07	3.22E-06	2.99E-07	2.33E-08	3.22E-07
1404	437827.91	3725648.73	2.67E-06	5.37E-07	3.21E-06	5.28E-07	6.74E-08	5.96E-07	2.84E-06	3.13E-07	3.15E-06	2.93E-07	2.28E-08	3.15E-07
1405	437775.17	3725675.6	2.24E-06	4.50E-07	2.69E-06	4.42E-07	5.64E-08	4.99E-07	2.38E-06	2.62E-07	2.64E-06	2.45E-07	1.91E-08	2.64E-07
1406	437761.98	3725682.32	2.10E-06	4.22E-07	2.52E-06	4.15E-07	5.30E-08	4.68E-07	2.23E-06	2.46E-07	2.48E-06	2.30E-07	1.80E-08	2.48E-07
1407	437748.8	3725689.04	1.96E-06	3.93E-07	2.35E-06	3.87E-07	4.94E-08	4.36E-07	2.08E-06	2.29E-07	2.31E-06	2.14E-07	1.67E-08	2.31E-07
1408	437587.99	3725647.26	1.41E-06	2.82E-07	1.69E-06	2.78E-07	3.54E-08	3.13E-07	1.49E-06	1.64E-07	1.66E-06	1.54E-07	1.20E-08	1.66E-07
1409	437573.93	3725642.65	1.32E-06	2.65E-07	1.59E-06	2.61E-07	3.33E-08	2.95E-07	1.41E-06	1.55E-07	1.56E-06	1.45E-07	1.13E-08	1.56E-07
1410	437559.87	3725638.03	1.24E-06	2.49E-07	1.49E-06	2.45E-07	3.12E-08	2.76E-07	1.32E-06	1.45E-07	1.46E-06	1.36E-07	1.06E-08	1.46E-07
1411	437918.54	3725599.28	2.69E-06	5.39E-07	3.22E-06	5.30E-07	6.77E-08	5.98E-07	2.85E-06	3.14E-07	3.17E-06	2.94E-07	2.29E-08	3.17E-07
1412	437928.38	3725587.72	2.67E-06	5.36E-07	3.20E-06	5.27E-07	6.73E-08	5.94E-07	2.84E-06	3.12E-07	3.15E-06	2.92E-07	2.28E-08	3.15E-07
1413	437922.24	3725621.39	2.44E-06	4.89E-07	2.93E-06	4.82E-07	6.15E-08	5.43E-07	2.59E-06	2.85E-07	2.88E-06	2.67E-07	2.08E-08	2.88E-07
1414	437909.01	3725628.13	2.48E-06	4.98E-07	2.98E-06	4.90E-07	6.26E-08	5.53E-07	2.64E-06	2.90E-07	2.93E-06	2.72E-07	2.12E-08	2.93E-07
1415	437895.79	3725634.86	2.51E-06	5.03E-07	3.01E-06	4.95E-07	6.31E-08	5.58E-07	2.66E-06	2.93E-07	2.95E-06	2.74E-07	2.14E-08	2.95E-07
1416	437869.35	3725648.34	2.50E-06	5.02E-07	3.01E-06	4.94E-07	6.31E-08	5.57E-07	2.66E-06	2.93E-07	2.95E-06	2.74E-07	2.14E-08	2.95E-07
1417	437856.13	3725655.07	2.48E-06	4.97E-07	2.97E-06	4.89E-07	6.24E-08	5.52E-07	2.63E-06	2.90E-07	2.92E-06	2.71E-07	2.12E-08	2.92E-07
1418	437842.91	3725661.81	2.44E-06	4.89E-07	2.93E-06	4.81E-07	6.14E-08	5.43E-07	2.59E-06	2.85E-07	2.87E-06	2.67E-07	2.08E-08	2.87E-07
1419	437829.69	3725668.55	2.38E-06	4.77E-07	2.85E-06	4.70E-07	5.99E-08	5.29E-07	2.53E-06	2.78E-07	2.80E-06	2.60E-07	2.03E-08	2.80E-07
1420	437816.47	3725675.28	2.29E-06	4.60E-07	2.75E-06	4.53E-07	5.78E-08	5.11E-07	2.44E-06	2.68E-07	2.70E-06	2.51E-07	1.96E-08	2.71E-07
1421	437776.81	3725695.49	1.97E-06	3.96E-07	2.37E-06	3.90E-07	4.98E-08	4.40E-07	2.10E-06	2.31E-07	2.33E-06	2.16E-07	1.69E-08	2.33E-07
1422	437763.59	3725702.23	1.85E-06	3.72E-07	2.22E-06	3.66E-07	4.67E-08	4.13E-07	1.97E-06	2.17E-07	2.18E-06	2.03E-07	1.58E-08	2.18E-07
1423	437750.37	3725708.97	1.74E-06	3.48E-07	2.08E-06	3.43E-07	4.38E-08	3.87E-07	1.84E-06	2.03E-07	2.05E-06	1.90E-07	1.48E-08	2.05E-07
1424	437589.13	3725667.08	1.25E-06	2.50E-07	1.50E-06	2.47E-07	3.14E-08	2.78E-07	1.33E-06	1.46E-07	1.47E-06	1.37E-07	1.07E-08	1.47E-07
1425	437575.04	3725662.45	1.19E-06	2.38E-07	1.43E-06	2.35E-07	2.99E-08	2.65E-07	1.26E-06	1.39E-07	1.40E-06	1.30E-07	1.01E-08	1.40E-07
1426	437560.94	3725657.81	1.13E-06	2.26E-07	1.35E-06	2.22E-07	2.84E-08	2.51E-07	1.20E-06	1.32E-07	1.33E-06	1.23E-07	9.62E-09	1.33E-07
1427	437546.84	3725653.18	1.04E-06	2.10E-07	1.25E-06	2.06E-07	2.63E-08	2.33E-07	1.11E-06	1.22E-07	1.23E-06	1.14E-07	8.92E-09	1.23E-07
1428	437933.77	3725612.24	2.40E-06	4.83E-07	2.89E-06	4.75E-07	6.06E-08	5.36E-07	2.55E-06	2.81E-07	2.84E-06	2.63E-07	2.05E-08	2.84E-07
1429	437943.61	3725600.68	2.39E-06	4.79E-07	2.87E-06	4.72E-07	6.02E-08	5.32E-07	2.54E-06	2.79E-07	2.82E-06	2.61E-07	2.04E-08	2.82E-07
1430	437937.45	3725634.36	2.20E-06	4.42E-07	2.64E-06	4.35E-07	5.55E-08	4.90E-07	2.34E-06	2.57E-07	2.60E-06	2.41E-07	1.88E-08	2.60E-07
1431	437924.2	3725641.11	2.25E-06	4.52E-07	2.71E-06	4.45E-07	5.68E-08	5.02E-07	2.39E-06	2.64E-07	2.66E-06	2.47E-07	1.93E-08	2.66E-07
1432	437910.95	3725647.87	2.28E-06	4.58E-07	2.74E-06	4.51E-07	5.75E-08	5.08E-07	2.43E-06	2.67E-07	2.69E-06	2.50E-07	1.95E-08	2.69E-07
1433	437884.45	3725661.37	2.28E-06	4.58E-07	2.74E-06	4.51E-07	5.75E-08	5.08E-07	2.43E-06	2.67E-07	2.69E-06	2.50E-07	1.95E-08	2.69E-07
1434	437871.2	3725668.12	2.27E-06	4.55E-07	2.72E-06	4.48E-07	5.71E-08	5.05E-07	2.41E-06	2.65E-07	2.67E-06	2.48E-07	1.94E-08	2.67E-07
1435	437857.94	3725674.87	2.24E-06	4.49E-07	2.68E-06	4.42E-07	5.63E-08	4.98E-07	2.38E-06	2.61E-07	2.64E-06	2.45E-07	1.91E-08	2.64E-07
1436	437844.69	3725681.63	2.19E-06	4.39E-07	2.63E-06	4.32E-07	5.51E-08	4.87E-07	2.32E-06	2.56E-07	2.58E-06	2.39E-07	1.87E-08	2.58E-07
1437	437831.44	3725688.38	2.12E-06	4.26E-07	2.55E-06	4.19E-07	5.35E-08	4.73E-07	2.25E-06	2.48E-07	2.50E-06	2.32E-07	1.81E-08	2.50E-07
1438	437791.69	3725708.63	1.86E-06	3.74E-07	2.24E-06	3.68E-07	4.70E-08	4.15E-07	1.98E-06	2.18E-07	2.20E-06	2.04E-07	1.59E-08	2.20E-07
1439	437778.44	3725715.39	1.75E-06	3.52E-07	2.10E-06	3.46E-07	4.41E-08	3.90E-07	1.86E-06	2.05E-07	2.07E-06	1.92E-07	1.50E-08	2.07E-07
1440	437562.07	3725677.62	1.01E-06	2.03E-07	1.21E-06	2.00E-07	2.55E-08	2.25E-07	1.07E-06	1.18E-07	1.19E-06	1.11E-07	8.63E-09	1.19E-07
1441	437547.94	3725672.98	9.49E-07	1.90E-07	1.14E-06	1.87E-07	2.39E-08	2.11E-07	1.01E-06	1.11E-07	1.12E-06	1.04E-07	8.11E-09	1.12E-07
1442	437533.81	3725668.34	8.85E-07	1.78E-07	1.06E-06	1.75E-07	2.23E-08	1.97E-07	9.40E-07	1.04E-07	1.04E-06	9.68E-08	7.56E-09	1.04E-07
1443	437949	3725625.21	2.17E-06	4.36E-07	2.61E-06	4.29E-07	5.47E-08	4.83E-07	2.31E-06	2.54E-07	2.56E-06	2.37E-07	1.85E-08	2.56E-07
1444	437958.84	3725613.65	2.15E-06	4.32E-07	2.58E-06	4.25E-07	5.42E-08	4.79E-07	2.29E-06	2.52E-07	2.54E-06	2.35E-07	1.84E-08	2.54E-07
1445	437960.27	3725653.82	1.90E-06	3.82E-07	2.29E-06	3.76E-07	4.80E-08	4.24E-07	2.02E-06	2.23E-07	2.24E-06	2.08E-07	1.63E-08	2.24E-07
1446	437946.98	3725660.59	1.95E-06	3.91E-07	2.34E-06	3.85E-07	4.91E-08	4.34E-07	2.07E-06	2.28E-07	2.30E-06	2.13E-07	1.66E-08	2.30E-07
1447	437933.69	3725667.36	1.98E-06	3.98E-07	2.38E-06	3.92E-07	5.00E-08	4.42E-07	2.11E-06	2.32E-07	2.34E-06	2.17E-07	1.69E-08	2.34E-07
1448	437907.12	3725680.9	2.01E-06	4.02E-07	2.41E-06	3.96E-07	5.05E-08	4.47E-07	2.13E-06	2.34E-07	2.36E-06	2.19E-07	1.71E-08	2.36E-07
1449	437893.83	3725687.68	2.00E-06	4.00E-07	2.40E-06	3.94E-07	5.03E-08	4.44E-07	2.12E-06	2.33E-07	2.35E-06	2.18E-07	1.70E-08	2.35E-07
1450	437880.54	3725694.45	1.97E-06	3.96E-07	2.37E-06	3.90E-07	4.97E-08	4.39E-07	2.09E-06	2.31E-07	2.33E-06	2.16E-07	1.68E-08	2.33E-07
1451	437867.25	3725701.22	1.94E-06	3.89E-07	2.33E-06	3.83E-07	4.88E-08	4.32E-07	2.06E-06	2.27E-07	2.29E-06	2.12E-07	1.66E-08	2.29E-07
1452	437853.96	3725707.99	1.90E-06	3.80E-07	2.28E-06	3.74E-07	4.78E-08	4.22E-07	2.01E-06	2.22E-07	2.23E-06	2.07E-07	1.62E-08	2.24E-07
1453	437814.09	3725728.31	1.71E-06	3.42E-07	2.05E-06	3.37E-07	4.30E-08	3.80E-07	1.81E-06	2.00E-07	2.01E-06	1.87E-07	1.46E-08	2.01E-07
1454	437800.8	3725735.08	1.62E-06	3.25E-07	1.94E-06	3.20E-07	4.08E-08	3.60E-07	1.72E-06	1.89E-07	1.91E-06	1.77E-07	1.38E-08	1.91E-07
1455	437521.34	3725693.4	7.37E-07	1.48E-07	8.85E-07	1.46E-07	1.86E-08	1.64E-07	7.83E-07	8.62E-08	8.69E-07	8.06E-08	6.29E-09	8.69E-08
1456	437971.84	3725644.65	1.87E-06	3.75E-07	2.25E-06	3.70E-07	4.71E-08	4.17E-07	1.99E-06	2.19E-07	2.21E-06	2.05E-07	1.60E-08	2.21E-07
1457	437981.68	3725633.09	1.85E-06	3.72E-07	2.23E-06	3.66E-07	4.67E-08	4.13E-07	1.97E-06	2.17E-07	2.19E-06	2.03E-07	1.58E-08	2.19E-07
1458	437983.1	3725673.27	1.67E-06	3.34E-07	2.00E-06	3.29E-07	4.20E-08	3.71E-07	1.77E-06	1.95E-07	1.96E-06	1.82E-07	1.42E-08	1.97E-07
1459	437969.78	3725680.06	1.71E-06	3.42E-07	2.05E-06	3.37E-07	4.30E-08	3.80E-07	1.81E-06	1.99E-07	2.01E-06	1.87E-07	1.46E-08	2.01E-07

1460	437956.46	3725686.85	1.73E-06	3.48E-07	2.08E-06	3.42E-07	4.37E-08	3.86E-07	1.84E-06	2.03E-07	2.04E-06	1.90E-07	1.48E-08	2.04E-07
1461	437929.81	3725700.42	1.76E-06	3.52E-07	2.11E-06	3.47E-07	4.43E-08	3.91E-07	1.87E-06	2.05E-07	2.07E-06	1.92E-07	1.50E-08	2.07E-07
1462	437916.49	3725707.21	1.75E-06	3.52E-07	2.10E-06	3.46E-07	4.42E-08	3.90E-07	1.86E-06	2.05E-07	2.07E-06	1.92E-07	1.50E-08	2.07E-07
1463	437903.17	3725714	1.74E-06	3.49E-07	2.09E-06	3.44E-07	4.38E-08	3.87E-07	1.85E-06	2.03E-07	2.05E-06	1.90E-07	1.49E-08	2.05E-07
1464	437889.85	3725720.79	1.72E-06	3.45E-07	2.06E-06	3.39E-07	4.33E-08	3.82E-07	1.82E-06	2.01E-07	2.02E-06	1.88E-07	1.47E-08	2.02E-07
1465	437876.52	3725727.58	1.69E-06	3.38E-07	2.03E-06	3.33E-07	4.25E-08	3.76E-07	1.79E-06	1.97E-07	1.99E-06	1.85E-07	1.44E-08	1.99E-07
1466	437836.55	3725747.95	1.55E-06	3.11E-07	1.86E-06	3.06E-07	3.91E-08	3.46E-07	1.65E-06	1.81E-07	1.83E-06	1.70E-07	1.33E-08	1.83E-07
1467	437823.23	3725754.73	1.49E-06	2.98E-07	1.78E-06	2.93E-07	3.74E-08	3.31E-07	1.58E-06	1.74E-07	1.75E-06	1.63E-07	1.27E-08	1.75E-07
1468	437494.7	3725713.8	5.90E-07	1.18E-07	7.09E-07	1.17E-07	1.49E-08	1.31E-07	6.27E-07	6.90E-08	6.96E-07	6.46E-08	5.04E-09	6.96E-08
1469	437994.68	3725664.1	1.64E-06	3.28E-07	1.96E-06	3.23E-07	4.12E-08	3.64E-07	1.74E-06	1.91E-07	1.93E-06	1.79E-07	1.40E-08	1.93E-07
1470	438004.52	3725652.54	1.62E-06	3.25E-07	1.95E-06	3.20E-07	4.08E-08	3.61E-07	1.72E-06	1.89E-07	1.91E-06	1.77E-07	1.38E-08	1.91E-07
1471	438005.93	3725692.72	1.47E-06	2.95E-07	1.76E-06	2.90E-07	3.70E-08	3.27E-07	1.56E-06	1.72E-07	1.73E-06	1.61E-07	1.25E-08	1.73E-07
1472	437992.58	3725699.53	1.50E-06	3.01E-07	1.80E-06	2.97E-07	3.79E-08	3.35E-07	1.60E-06	1.76E-07	1.77E-06	1.64E-07	1.28E-08	1.77E-07
1473	437979.23	3725706.33	1.53E-06	3.07E-07	1.83E-06	3.02E-07	3.85E-08	3.40E-07	1.62E-06	1.79E-07	1.80E-06	1.67E-07	1.30E-08	1.80E-07
1474	437952.53	3725719.93	1.55E-06	3.11E-07	1.86E-06	3.06E-07	3.91E-08	3.45E-07	1.65E-06	1.81E-07	1.83E-06	1.70E-07	1.32E-08	1.83E-07
1475	437939.18	3725726.74	1.55E-06	3.11E-07	1.86E-06	3.06E-07	3.91E-08	3.46E-07	1.65E-06	1.81E-07	1.83E-06	1.70E-07	1.33E-08	1.83E-07
1476	437925.83	3725733.54	1.54E-06	3.10E-07	1.85E-06	3.05E-07	3.89E-08	3.44E-07	1.64E-06	1.80E-07	1.82E-06	1.69E-07	1.32E-08	1.82E-07
1477	437912.48	3725740.34	1.53E-06	3.07E-07	1.83E-06	3.02E-07	3.85E-08	3.40E-07	1.62E-06	1.79E-07	1.80E-06	1.67E-07	1.31E-08	1.80E-07
1478	437899.13	3725747.14	1.51E-06	3.03E-07	1.81E-06	2.98E-07	3.80E-08	3.36E-07	1.60E-06	1.76E-07	1.78E-06	1.65E-07	1.29E-08	1.78E-07
1479	437859.08	3725767.55	1.41E-06	2.83E-07	1.69E-06	2.78E-07	3.55E-08	3.14E-07	1.50E-06	1.65E-07	1.66E-06	1.54E-07	1.20E-08	1.66E-07
1480	437845.73	3725774.36	1.36E-06	2.73E-07	1.63E-06	2.68E-07	3.42E-08	3.02E-07	1.44E-06	1.59E-07	1.60E-06	1.49E-07	1.16E-08	1.60E-07
1481	437468.02	3725734.19	4.81E-07	9.65E-08	5.78E-07	9.50E-08	1.21E-08	1.07E-07	5.11E-07	5.63E-08	5.67E-07	5.26E-08	4.11E-09	5.67E-08
1482	438017.53	3725683.54	1.44E-06	2.90E-07	1.73E-06	2.85E-07	3.64E-08	3.21E-07	1.53E-06	1.69E-07	1.70E-06	1.58E-07	1.23E-08	1.70E-07
1483	438027.37	3725671.98	1.43E-06	2.86E-07	1.71E-06	2.82E-07	3.59E-08	3.18E-07	1.52E-06	1.67E-07	1.68E-06	1.56E-07	1.22E-08	1.68E-07
1484	437975.27	3725739.43	1.38E-06	2.77E-07	1.66E-06	2.73E-07	3.48E-08	3.08E-07	1.47E-06	1.61E-07	1.63E-06	1.51E-07	1.18E-08	1.63E-07
1485	437961.9	3725746.25	1.39E-06	2.78E-07	1.66E-06	2.74E-07	3.49E-08	3.09E-07	1.47E-06	1.62E-07	1.63E-06	1.52E-07	1.18E-08	1.63E-07
1486	437948.52	3725753.06	1.38E-06	2.77E-07	1.66E-06	2.73E-07	3.48E-08	3.08E-07	1.47E-06	1.62E-07	1.63E-06	1.51E-07	1.18E-08	1.63E-07
1487	437935.15	3725759.88	1.37E-06	2.75E-07	1.65E-06	2.71E-07	3.46E-08	3.06E-07	1.46E-06	1.60E-07	1.62E-06	1.50E-07	1.17E-08	1.62E-07
1488	437921.77	3725766.69	1.36E-06	2.73E-07	1.63E-06	2.68E-07	3.42E-08	3.02E-07	1.44E-06	1.59E-07	1.60E-06	1.49E-07	1.16E-08	1.60E-07
1489	437881.65	3725787.14	1.28E-06	2.57E-07	1.54E-06	2.53E-07	3.22E-08	2.85E-07	1.36E-06	1.50E-07	1.51E-06	1.40E-07	1.09E-08	1.51E-07
1490	437868.28	3725793.95	1.24E-06	2.50E-07	1.49E-06	2.46E-07	3.13E-08	2.77E-07	1.32E-06	1.45E-07	1.47E-06	1.36E-07	1.06E-08	1.47E-07
1491	437484.09	3725768.62	4.62E-07	9.28E-08	5.55E-07	9.13E-08	1.16E-08	1.03E-07	4.91E-07	5.41E-08	5.45E-07	5.06E-08	3.95E-09	5.45E-08
1492	437469.83	3725763.93	4.41E-07	8.84E-08	5.29E-07	8.70E-08	1.11E-08	9.81E-08	4.68E-07	5.15E-08	5.20E-07	4.82E-08	3.76E-09	5.20E-08
1493	437455.57	3725759.25	4.22E-07	8.46E-08	5.06E-07	8.33E-08	1.06E-08	9.39E-08	4.48E-07	4.93E-08	4.97E-07	4.61E-08	3.60E-09	4.97E-08
1494	438040.37	3725702.99	1.28E-06	2.57E-07	1.54E-06	2.53E-07	3.23E-08	2.85E-07	1.36E-06	1.50E-07	1.51E-06	1.40E-07	1.09E-08	1.51E-07
1495	438050.21	3725691.43	1.26E-06	2.54E-07	1.52E-06	2.50E-07	3.19E-08	2.82E-07	1.34E-06	1.48E-07	1.49E-06	1.38E-07	1.08E-08	1.49E-07
1496	438051.6	3725731.63	1.16E-06	2.33E-07	1.39E-06	2.29E-07	2.92E-08	2.59E-07	1.23E-06	1.36E-07	1.37E-06	1.27E-07	9.92E-09	1.37E-07
1497	438038.21	3725738.45	1.19E-06	2.38E-07	1.42E-06	2.34E-07	2.99E-08	2.64E-07	1.26E-06	1.39E-07	1.40E-06	1.30E-07	1.01E-08	1.40E-07
1498	437998.02	3725758.93	1.23E-06	2.47E-07	1.48E-06	2.44E-07	3.11E-08	2.75E-07	1.31E-06	1.44E-07	1.45E-06	1.35E-07	1.05E-08	1.45E-07
1499	437984.63	3725765.75	1.24E-06	2.48E-07	1.49E-06	2.45E-07	3.12E-08	2.76E-07	1.32E-06	1.45E-07	1.46E-06	1.35E-07	1.06E-08	1.46E-07
1500	437971.23	3725772.58	1.24E-06	2.48E-07	1.49E-06	2.45E-07	3.12E-08	2.76E-07	1.32E-06	1.45E-07	1.46E-06	1.35E-07	1.06E-08	1.46E-07
1501	437957.84	3725779.4	1.23E-06	2.48E-07	1.48E-06	2.44E-07	3.11E-08	2.75E-07	1.31E-06	1.44E-07	1.45E-06	1.35E-07	1.05E-08	1.46E-07
1502	437944.44	3725786.23	1.23E-06	2.46E-07	1.47E-06	2.42E-07	3.09E-08	2.73E-07	1.30E-06	1.43E-07	1.44E-06	1.34E-07	1.05E-08	1.44E-07
1503	437904.26	3725806.71	1.17E-06	2.34E-07	1.40E-06	2.31E-07	2.94E-08	2.60E-07	1.24E-06	1.37E-07	1.38E-06	1.28E-07	9.98E-09	1.38E-07
1504	437890.86	3725813.53	1.14E-06	2.29E-07	1.37E-06	2.25E-07	2.87E-08	2.54E-07	1.21E-06	1.33E-07	1.34E-06	1.25E-07	9.74E-09	1.34E-07
1505	437500.27	3725803.09	4.41E-07	8.84E-08	5.29E-07	8.70E-08	1.11E-08	9.81E-08	4.68E-07	5.15E-08	5.19E-07	4.82E-08	3.76E-09	5.20E-08
1506	437485.98	3725798.4	4.22E-07	8.47E-08	5.07E-07	8.34E-08	1.06E-08	9.41E-08	4.49E-07	4.94E-08	4.98E-07	4.62E-08	3.61E-09	4.98E-08
1507	437471.7	3725793.7	4.04E-07	8.11E-08	4.85E-07	7.98E-08	1.02E-08	9.00E-08	4.29E-07	4.73E-08	4.77E-07	4.42E-08	3.45E-09	4.77E-08
1508	437457.42	3725789.01	3.89E-07	7.81E-08	4.67E-07	7.69E-08	9.81E-09	8.67E-08	4.13E-07	4.55E-08	4.59E-07	4.26E-08	3.32E-09	4.59E-08
1509	437443.13	3725784.32	3.75E-07	7.52E-08	4.50E-07	7.40E-08	9.44E-09	8.34E-08	3.98E-07	4.38E-08	4.42E-07	4.10E-08	3.20E-09	4.42E-08
1510	437428.85	3725779.63	3.61E-07	7.24E-08	4.33E-07	7.13E-08	9.09E-09	8.03E-08	3.83E-07	4.22E-08	4.25E-07	3.95E-08	3.08E-09	4.25E-08
1511	438063.22	3725722.43	1.14E-06	2.29E-07	1.37E-06	2.26E-07	2.88E-08	2.55E-07	1.21E-06	1.34E-07	1.35E-06	1.25E-07	9.77E-09	1.35E-07
1512	438073.06	3725710.87	1.13E-06	2.27E-07	1.36E-06	2.23E-07	2.85E-08	2.52E-07	1.20E-06	1.32E-07	1.33E-06	1.24E-07	9.66E-09	1.33E-07
1513	438020.78	3725778.41	1.11E-06	2.22E-07	1.33E-06	2.18E-07	2.79E-08	2.46E-07	1.17E-06	1.29E-07	1.30E-06	1.21E-07	9.45E-09	1.30E-07
1514	438007.37	3725785.25	1.11E-06	2.23E-07	1.34E-06	2.20E-07	2.80E-08	2.48E-07	1.18E-06	1.30E-07	1.31E-06	1.22E-07	9.50E-09	1.31E-07
1515	437993.96	3725792.08	1.11E-06	2.24E-07	1.34E-06	2.20E-07	2.81E-08	2.48E-07	1.18E-06	1.30E-07	1.31E-06	1.22E-07	9.52E-09	1.31E-07
1516	437980.54	3725798.92	1.11E-06	2.23E-07	1.34E-06	2.20E-07	2.80E-08	2.48E-07	1.18E-06	1.30E-07	1.31E-06	1.22E-07	9.50E-09	1.31E-07
1517	437967.13	3725805.75	1.11E-06	2.22E-07	1.33E-06	2.19E-07	2.79E-08	2.47E-07	1.18E-06	1.30E-07	1.31E-06	1.21E-07	9.46E-09	1.31E-07
1518	437953.72	3725812.59	1.10E-06	2.20E-07	1.32E-06	2.17E-07	2.77E-08	2.45E-07	1.17E-06	1.28E-07	1.30E-06	1.20E-07	9.38E-09	1.30E-07
1519	437940.3	3725819.42	1.09E-06	2.18E-07	1.30E-06	2.14E-07	2.74E-08	2.42E-07	1.15E-06	1.27E-07	1.28E-06	1.19E-07	9.27E-09	1.28E-07
1520	437926.89	3725826.26	1.07E-06	2.15E-07	1.28E-06	2.11E-07	2.69E-08	2.38E-07	1.14E-06	1.25E-07	1.26E-06	1.17E-07	9.13E-09	1.26E-07
1521	437913.48	3725833.09	1.05E-06	2.10E-07	1.26E-06	2.07E-07	2.64E-08	2.34E-07	1.11E-06	1.23E-07	1.24E-06	1.15E-07	8.96E-09	1.24E-07
1522	437530.84	3725842.28	4.32E-07	8.67E-08	5.19E-07	8.54E-08	1.09E-08	9.63E-08	4.59E-07	5.05E-08	5.10E-07	4.73E-08	3.69E-09	5.10E-08
1523	437502.23	3725832.89	4.01E-07	8.04E-08	4.81E-07	7.91E-08	1.01E-08	8.92E-08	4.26E-07	4.69E-08	4.72E-07	4.38E-08	3.42E-09	4.72E-08
1524	437487.93	3725828.19	3.86E-07	7.75E-08	4.64E-07	7.63E-08	9.74E-09	8.61E-08	4.11E-07	4.52E-08	4.56E-07	4.23E-08	3.30E-09	4.56E-08
1525	437473.63	3725823.49	3.72E-07	7.47E-08	4.47E-07	7.36E-08	9.38E-09	8.29E-08	3.96E-07	4.35E-08	4.39E-07	4.07E-08	3.18E-09	4.39E-08
1526	437459.32	3725818.79	3.60E-07	7.22E-08	4.32E-07	7.10E-08	9.06E-09	8.01E-08	3.82E-07	4.21E-08	4.24E-07	3.94E-08	3.07E-09	4.24E-08
1527	437445.02	3725814.09	3.48E-07	6.98E-08	4.18E-07	6.87E-08	8.76E-09	7.75E-08	3.69E-07	4.07E-08	4.10E-07	3.80E-08	2.97E-09	4.10E-08
1528	437430.72	3725809.39	3.37E-07	6.75E-08	4.04E-07	6.65E-08	8.48E-09	7.50E-08	3.58E-07	3.94E-08	3.97E-07	3.68E-08	2.88E-09	3.97E-08
1529	437416.42	3725804.7	3.26E-07	6.54E-08	3.91E-07	6.43E-08	8.21E-09	7.25E-08	3.46E-07	3.81E-08	3.84E-07	3.56E-08	2.78E-09	3.84E-08
1530	438097.27	3725770.53	9.34E-07	1.87E-07	1.12E-06	1.84E-07	2.35E-08	2.08E-07	9.92E-07	1.09E-07	1.10E-06	1.02E-07	7.98E-09	1.10E-07
1531	438083.84	3725777.37	9.54E-07	1.91E-07	1.15E-06	1.88E-07	2.40E-08	2.13E-07	1.01E-06	1.12E-07	1.13E-06	1.04E-07	8.15E-09	1.13E-07
1532	437976.41	3725832.11	9.99E-07	2.00E-07	1.20E-06	1.97E-07	2.52E-08	2.23E-07	1.06E-06	1.17E-07	1.18E-06	1.09E-07	8.53E-09	1.18E-07
1533	437962.98	3725838.96	9.90E-07	1.99E-07	1.19E-06	1.96E-07	2.50E-08	2.21E-07	1.05E-06	1.16E-07	1.17E-06	1.08E-07	8.46E-09	1.17E-07
1534	437949.55	3725845.8	9.78E-07	1.96E-07	1.17E-06	1.93E-07	2.46E-08	2.18E-07	1.04E-06	1.14E-07	1.15E-06	1.07E-07	8.36E-09	1.15E-07
1535	437936.12	3725852.64	9.62E-07	1.93E-07	1.16E-06	1.90E-07	2.42E-08	2.14E-07	1.02E-06	1.13E-07	1.13E-06	1.05E-07	8.22E-09	1.13E-07
1536	437547.19	3725876.81	4.05E-07	8.13E-08	4.86E-07	8.00E-08	1.02E-08	9.02E-08	4.30E-07	4.74E-08	4.78E-07	4.43E-08	3.46E-09	4.78E-08

1537	437532.87	3725872.11	3.92E-07	7.86E-08	4.70E-07	7.74E-08	9.87E-09	8.72E-08	4.16E-07	4.58E-08	4.62E-07	4.29E-08	3.35E-09	4.62E-08
1538	437518.56	3725867.4	3.79E-07	7.61E-08	4.55E-07	7.49E-08	9.56E-09	8.45E-08	4.03E-07	4.44E-08	4.47E-07	4.15E-08	3.24E-09	4.47E-08
1539	437504.24	3725862.7	3.67E-07	7.36E-08	4.41E-07	7.25E-08	9.25E-09	8.17E-08	3.90E-07	4.29E-08	4.33E-07	4.01E-08	3.13E-09	4.33E-08
1540	437489.92	3725858	3.55E-07	7.13E-08	4.27E-07	7.02E-08	8.95E-09	7.91E-08	3.77E-07	4.15E-08	4.19E-07	3.89E-08	3.03E-09	4.19E-08
1541	437461.28	3725848.59	3.33E-07	6.69E-08	4.00E-07	6.58E-08	8.40E-09	7.42E-08	3.54E-07	3.90E-08	3.93E-07	3.64E-08	2.85E-09	3.93E-08
1542	437446.96	3725843.88	3.23E-07	6.48E-08	3.88E-07	6.38E-08	8.14E-09	7.19E-08	3.43E-07	3.78E-08	3.81E-07	3.53E-08	2.76E-09	3.81E-08
1543	437432.64	3725839.18	3.13E-07	6.29E-08	3.76E-07	6.19E-08	7.89E-09	6.98E-08	3.33E-07	3.66E-08	3.69E-07	3.43E-08	2.68E-09	3.69E-08
1544	437418.32	3725834.47	3.04E-07	6.11E-08	3.66E-07	6.01E-08	7.67E-09	6.78E-08	3.23E-07	3.56E-08	3.59E-07	3.33E-08	2.60E-09	3.59E-08
1545	437404	3725829.77	2.95E-07	5.92E-08	3.55E-07	5.83E-08	7.44E-09	6.58E-08	3.14E-07	3.45E-08	3.48E-07	3.23E-08	2.52E-09	3.48E-08
1546	438108.91	3725761.32	9.20E-07	1.85E-07	1.10E-06	1.82E-07	2.32E-08	2.05E-07	9.78E-07	1.08E-07	1.09E-06	1.01E-07	7.86E-09	1.09E-07
1547	438118.75	3725749.76	9.13E-07	1.83E-07	1.10E-06	1.80E-07	2.30E-08	2.03E-07	9.70E-07	1.07E-07	1.08E-06	9.99E-08	7.80E-09	1.08E-07
1548	438120.11	3725789.97	8.46E-07	1.70E-07	1.02E-06	1.67E-07	2.13E-08	1.88E-07	8.98E-07	9.89E-08	9.97E-07	9.25E-08	7.22E-09	9.97E-08
1549	438106.67	3725796.82	8.63E-07	1.73E-07	1.04E-06	1.70E-07	2.17E-08	1.92E-07	9.17E-07	1.01E-07	1.02E-06	9.44E-08	7.37E-09	1.02E-07
1550	438093.22	3725803.67	8.78E-07	1.76E-07	1.05E-06	1.73E-07	2.21E-08	1.96E-07	9.33E-07	1.03E-07	1.04E-06	9.61E-08	7.50E-09	1.04E-07
1551	438079.78	3725810.53	8.90E-07	1.79E-07	1.07E-06	1.76E-07	2.24E-08	1.98E-07	9.46E-07	1.04E-07	1.05E-06	9.74E-08	7.60E-09	1.05E-07
1552	438066.33	3725817.38	9.01E-07	1.81E-07	1.08E-06	1.78E-07	2.27E-08	2.01E-07	9.57E-07	1.05E-07	1.06E-06	9.85E-08	7.69E-09	1.06E-07
1553	438052.89	3725824.23	9.09E-07	1.82E-07	1.09E-06	1.80E-07	2.29E-08	2.02E-07	9.66E-07	1.06E-07	1.07E-06	9.95E-08	7.77E-09	1.07E-07
1554	438039.45	3725831.08	9.14E-07	1.83E-07	1.10E-06	1.81E-07	2.30E-08	2.04E-07	9.71E-07	1.07E-07	1.08E-06	1.00E-07	7.81E-09	1.08E-07
1555	438026	3725837.93	9.16E-07	1.84E-07	1.10E-06	1.81E-07	2.31E-08	2.04E-07	9.73E-07	1.07E-07	1.08E-06	1.00E-07	7.83E-09	1.08E-07
1556	437606.62	3725925.49	4.16E-07	8.34E-08	4.99E-07	8.21E-08	1.05E-08	9.26E-08	4.41E-07	4.86E-08	4.90E-07	4.55E-08	3.55E-09	4.90E-08
1557	437592.28	3725920.78	4.03E-07	8.09E-08	4.84E-07	7.97E-08	1.02E-08	8.98E-08	4.28E-07	4.72E-08	4.76E-07	4.41E-08	3.45E-09	4.76E-08
1558	437577.95	3725916.07	3.92E-07	7.87E-08	4.71E-07	7.75E-08	9.89E-09	8.74E-08	4.17E-07	4.59E-08	4.63E-07	4.29E-08	3.35E-09	4.63E-08
1559	437549.28	3725906.65	3.70E-07	7.43E-08	4.45E-07	7.31E-08	9.33E-09	8.25E-08	3.93E-07	4.33E-08	4.37E-07	4.05E-08	3.16E-09	4.37E-08
1560	437534.94	3725901.94	3.59E-07	7.20E-08	4.31E-07	7.08E-08	9.04E-09	7.99E-08	3.81E-07	4.19E-08	4.23E-07	3.92E-08	3.06E-09	4.23E-08
1561	437520.61	3725897.23	3.48E-07	6.98E-08	4.17E-07	6.87E-08	8.76E-09	7.74E-08	3.69E-07	4.07E-08	4.10E-07	3.80E-08	2.97E-09	4.10E-08
1562	437506.27	3725892.52	3.37E-07	6.77E-08	4.05E-07	6.66E-08	8.50E-09	7.52E-08	3.58E-07	3.95E-08	3.98E-07	3.69E-08	2.88E-09	3.98E-08
1563	437491.94	3725887.81	3.28E-07	6.58E-08	3.94E-07	6.48E-08	8.26E-09	7.30E-08	3.48E-07	3.84E-08	3.87E-07	3.59E-08	2.80E-09	3.87E-08
1564	437477.6	3725883.1	3.19E-07	6.40E-08	3.83E-07	6.30E-08	8.04E-09	7.10E-08	3.39E-07	3.73E-08	3.76E-07	3.49E-08	2.72E-09	3.76E-08
1565	437463.27	3725878.4	3.10E-07	6.22E-08	3.72E-07	6.12E-08	7.81E-09	6.90E-08	3.29E-07	3.62E-08	3.65E-07	3.39E-08	2.65E-09	3.65E-08
1566	437448.93	3725873.69	3.01E-07	6.04E-08	3.62E-07	5.95E-08	7.59E-09	6.71E-08	3.20E-07	3.52E-08	3.55E-07	3.30E-08	2.57E-09	3.55E-08
1567	437420.27	3725864.27	2.84E-07	5.71E-08	3.41E-07	5.62E-08	7.17E-09	6.33E-08	3.02E-07	3.33E-08	3.35E-07	3.11E-08	2.43E-09	3.35E-08
1568	437405.93	3725859.56	2.76E-07	5.55E-08	3.32E-07	5.46E-08	6.97E-09	6.16E-08	2.94E-07	3.23E-08	3.26E-07	3.02E-08	2.36E-09	3.26E-08
1569	437391.6	3725854.85	2.68E-07	5.39E-08	3.22E-07	5.30E-08	6.76E-09	5.98E-08	2.85E-07	3.14E-08	3.17E-07	2.94E-08	2.29E-09	3.17E-08
1570	438131.75	3725780.77	8.35E-07	1.67E-07	1.00E-06	1.65E-07	2.10E-08	1.86E-07	8.86E-07	9.76E-08	9.84E-07	9.13E-08	7.13E-09	9.84E-08
1571	438141.59	3725769.21	8.30E-07	1.66E-07	9.96E-07	1.64E-07	2.09E-08	1.85E-07	8.81E-07	9.70E-08	9.78E-07	9.07E-08	7.09E-09	9.78E-08
1572	438142.95	3725809.42	7.70E-07	1.55E-07	9.25E-07	1.52E-07	1.94E-08	1.72E-07	8.18E-07	9.01E-08	9.08E-07	8.43E-08	6.58E-09	9.08E-08
1573	438129.49	3725816.28	7.84E-07	1.57E-07	9.42E-07	1.55E-07	1.98E-08	1.75E-07	8.33E-07	9.17E-08	9.25E-07	8.58E-08	6.70E-09	9.25E-08
1574	438116.03	3725823.14	7.99E-07	1.60E-07	9.59E-07	1.58E-07	2.01E-08	1.78E-07	8.49E-07	9.34E-08	9.42E-07	8.74E-08	6.82E-09	9.42E-08
1575	438102.58	3725829.99	8.12E-07	1.63E-07	9.75E-07	1.60E-07	2.05E-08	1.81E-07	8.62E-07	9.49E-08	9.57E-07	8.88E-08	6.94E-09	9.58E-08
1576	438089.12	3725836.85	8.22E-07	1.65E-07	9.87E-07	1.62E-07	2.07E-08	1.83E-07	8.73E-07	9.61E-08	9.69E-07	8.99E-08	7.02E-09	9.69E-08
1577	438075.66	3725843.71	8.29E-07	1.66E-07	9.95E-07	1.64E-07	2.09E-08	1.85E-07	8.80E-07	9.69E-08	9.77E-07	9.07E-08	7.08E-09	9.77E-08
1578	438062.21	3725850.56	8.34E-07	1.67E-07	1.00E-06	1.65E-07	2.10E-08	1.86E-07	8.85E-07	9.75E-08	9.83E-07	9.12E-08	7.12E-09	9.83E-08
1579	438048.75	3725857.42	8.36E-07	1.68E-07	1.00E-06	1.65E-07	2.11E-08	1.86E-07	8.88E-07	9.78E-08	9.86E-07	9.15E-08	7.14E-09	9.86E-08
1580	438035.3	3725864.28	8.37E-07	1.68E-07	1.00E-06	1.65E-07	2.11E-08	1.86E-07	8.89E-07	9.79E-08	9.87E-07	9.15E-08	7.15E-09	9.87E-08
1581	438021.84	3725871.14	8.35E-07	1.68E-07	1.00E-06	1.65E-07	2.10E-08	1.86E-07	8.87E-07	9.77E-08	9.85E-07	9.14E-08	7.13E-09	9.85E-08
1582	438008.38	3725877.99	8.31E-07	1.67E-07	9.98E-07	1.64E-07	2.09E-08	1.85E-07	8.83E-07	9.72E-08	9.80E-07	9.09E-08	7.10E-09	9.80E-08
1583	437994.93	3725884.85	8.25E-07	1.66E-07	9.91E-07	1.63E-07	2.08E-08	1.84E-07	8.76E-07	9.65E-08	9.73E-07	9.03E-08	7.05E-09	9.73E-08
1584	437623.13	3725960.06	3.96E-07	7.94E-08	4.75E-07	7.81E-08	9.97E-09	8.81E-08	4.20E-07	4.63E-08	4.66E-07	4.33E-08	3.38E-09	4.67E-08
1585	437608.78	3725955.35	3.84E-07	7.71E-08	4.61E-07	7.59E-08	9.68E-09	8.56E-08	4.08E-07	4.49E-08	4.53E-07	4.20E-08	3.28E-09	4.53E-08
1586	437594.43	3725950.64	3.73E-07	7.49E-08	4.48E-07	7.37E-08	9.40E-09	8.31E-08	3.96E-07	4.36E-08	4.40E-07	4.08E-08	3.19E-09	4.40E-08
1587	437580.08	3725945.92	3.63E-07	7.28E-08	4.35E-07	7.16E-08	9.14E-09	8.08E-08	3.85E-07	4.24E-08	4.28E-07	3.97E-08	3.10E-09	4.28E-08
1588	437565.73	3725941.21	3.52E-07	7.07E-08	4.23E-07	6.96E-08	8.88E-09	7.85E-08	3.74E-07	4.12E-08	4.16E-07	3.86E-08	3.01E-09	4.16E-08
1589	437551.38	3725936.5	3.42E-07	6.87E-08	4.11E-07	6.76E-08	8.63E-09	7.63E-08	3.64E-07	4.00E-08	4.04E-07	3.75E-08	2.92E-09	4.04E-08
1590	437508.34	3725922.36	3.14E-07	6.30E-08	3.77E-07	6.20E-08	7.91E-09	6.99E-08	3.34E-07	3.67E-08	3.70E-07	3.43E-08	2.68E-09	3.70E-08
1591	437493.99	3725917.64	3.05E-07	6.13E-08	3.67E-07	6.03E-08	7.69E-09	6.80E-08	3.24E-07	3.57E-08	3.60E-07	3.34E-08	2.61E-09	3.60E-08
1592	437479.64	3725912.93	2.97E-07	5.96E-08	3.57E-07	5.87E-08	7.49E-09	6.62E-08	3.16E-07	3.48E-08	3.50E-07	3.25E-08	2.54E-09	3.51E-08
1593	437465.29	3725908.21	2.89E-07	5.81E-08	3.47E-07	5.72E-08	7.29E-09	6.45E-08	3.07E-07	3.38E-08	3.41E-07	3.17E-08	2.47E-09	3.41E-08
1594	437450.94	3725903.5	2.82E-07	5.66E-08	3.38E-07	5.57E-08	7.10E-09	6.28E-08	2.99E-07	3.30E-08	3.32E-07	3.08E-08	2.41E-09	3.32E-08
1595	437436.6	3725898.79	2.74E-07	5.51E-08	3.29E-07	5.42E-08	6.91E-09	6.11E-08	2.91E-07	3.21E-08	3.24E-07	3.00E-08	2.34E-09	3.24E-08
1596	437422.25	3725894.07	2.67E-07	5.36E-08	3.21E-07	5.27E-08	6.73E-09	5.95E-08	2.84E-07	3.12E-08	3.15E-07	2.92E-08	2.28E-09	3.15E-08
1597	437407.9	3725889.36	2.60E-07	5.21E-08	3.12E-07	5.13E-08	6.54E-09	5.78E-08	2.76E-07	3.04E-08	3.06E-07	2.84E-08	2.22E-09	3.06E-08
1598	437364.85	3725875.22	2.37E-07	4.76E-08	2.85E-07	4.69E-08	5.98E-09	5.28E-08	2.52E-07	2.77E-08	2.80E-07	2.59E-08	2.03E-09	2.80E-08
1599	438154.6	3725800.21	7.61E-07	1.53E-07	9.14E-07	1.50E-07	1.92E-08	1.70E-07	8.09E-07	8.90E-08	8.98E-07	8.33E-08	6.50E-09	8.98E-08
1600	438164.44	3725788.65	7.57E-07	1.52E-07	9.08E-07	1.49E-07	1.91E-08	1.68E-07	8.04E-07	8.85E-08	8.92E-07	8.28E-08	6.46E-09	8.92E-08
1601	438165.79	3725828.87	7.05E-07	1.41E-07	8.46E-07	1.39E-07	1.78E-08	1.57E-07	7.49E-07	8.24E-08	8.31E-07	7.71E-08	6.02E-09	8.31E-08
1602	438152.32	3725835.73	7.19E-07	1.44E-07	8.63E-07	1.42E-07	1.81E-08	1.60E-07	7.63E-07	8.40E-08	8.47E-07	7.86E-08	6.14E-09	8.47E-08
1603	438138.85	3725842.6	7.30E-07	1.46E-07	8.77E-07	1.44E-07	1.84E-08	1.63E-07	7.76E-07	8.54E-08	8.61E-07	7.99E-08	6.24E-09	8.61E-08
1604	438125.38	3725849.46	7.41E-07	1.49E-07	8.90E-07	1.46E-07	1.87E-08	1.65E-07	7.87E-07	8.67E-08	8.74E-07	8.11E-08	6.33E-09	8.74E-08
1605	438111.91	3725856.32	7.51E-07	1.51E-07	9.01E-07	1.48E-07	1.89E-08	1.67E-07	7.97E-07	8.78E-08	8.85E-07	8.21E-08	6.41E-09	8.85E-08
1606	438098.45	3725863.19	7.58E-07	1.52E-07	9.10E-07	1.50E-07	1.91E-08	1.69E-07	8.05E-07	8.86E-08	8.94E-07	8.29E-08	6.47E-09	8.94E-08
1607	438084.98	3725870.05	7.63E-07	1.53E-07	9.16E-07	1.51E-07	1.92E-08	1.70E-07	8.10E-07	8.92E-08	9.00E-07	8.35E-08	6.52E-09	9.00E-08
1608	438071.51	3725876.91	7.66E-07	1.54E-07	9.20E-07	1.51E-07	1.93E-08	1.71E-07	8.14E-07	8.96E-08	9.04E-07	8.38E-08	6.54E-09	9.04E-08
1609	438058.04	3725883.77	7.68E-07	1.54E-07	9.22E-07	1.52E-07	1.93E-08	1.71E-07	8.16E-07	8.98E-08	9.05E-07	8.40E-08	6.56E-09	9.05E-08
1610	438044.57	3725890.64	7.67E-07	1.54E-07	9.21E-07	1.52E-07	1.93E-08	1.71E-07	8.15E-07	8.97E-08	9.05E-07	8.39E-08	6.55E-09	9.05E-08
1611	438031.1	3725897.5	7.65E-07	1.53E-07	9.18E-07	1.51E-07	1.93E-08	1.70E-07	8.12E-07	8.95E-08	9.02E-07	8.37E-08	6.53E-09	9.02E-08
1612	438017.64	3725904.36	7.61E-07	1.53E-07	9.13E-07	1.50E-07	1.92E-08	1.69E-07	8.08E-07	8.89E-08	8.97E-07	8.32E-08	6.50E-09	8.97E-08
1613	438004.17	3725911.23	7.55E-07	1.51E-07	9.06E-07	1.49E-07	1.90E-08	1.68E-07	8.02E-07	8.82E-08	8.90E-07	8.26E-08	6.45E-09	8.90E-08

1614	437610.95	3725985.22	3.57E-07	7.17E-08	4.29E-07	7.06E-08	9.00E-09	7.96E-08	3.80E-07	4.18E-08	4.21E-07	3.91E-08	3.05E-09	4.21E-08
1615	437596.59	3725980.5	3.47E-07	6.96E-08	4.17E-07	6.85E-08	8.74E-09	7.73E-08	3.69E-07	4.06E-08	4.09E-07	3.80E-08	2.96E-09	4.09E-08
1616	437582.23	3725975.78	3.37E-07	6.76E-08	4.05E-07	6.66E-08	8.49E-09	7.51E-08	3.58E-07	3.94E-08	3.97E-07	3.69E-08	2.88E-09	3.97E-08
1617	437567.87	3725971.07	3.27E-07	6.57E-08	3.93E-07	6.46E-08	8.25E-09	7.29E-08	3.48E-07	3.83E-08	3.86E-07	3.58E-08	2.80E-09	3.86E-08
1618	437553.51	3725966.35	3.18E-07	6.38E-08	3.82E-07	6.28E-08	8.02E-09	7.09E-08	3.38E-07	3.72E-08	3.75E-07	3.48E-08	2.72E-09	3.75E-08
1619	437539.15	3725961.63	3.10E-07	6.21E-08	3.72E-07	6.12E-08	7.80E-09	6.90E-08	3.29E-07	3.62E-08	3.65E-07	3.39E-08	2.64E-09	3.65E-08
1620	437524.79	3725956.91	3.01E-07	6.05E-08	3.62E-07	5.95E-08	7.59E-09	6.71E-08	3.20E-07	3.52E-08	3.55E-07	3.30E-08	2.57E-09	3.55E-08
1621	437510.43	3725952.2	2.94E-07	5.90E-08	3.53E-07	5.80E-08	7.41E-09	6.55E-08	3.12E-07	3.44E-08	3.47E-07	3.22E-08	2.51E-09	3.47E-08
1622	437467.35	3725938.04	2.72E-07	5.45E-08	3.26E-07	5.36E-08	6.84E-09	6.05E-08	2.88E-07	3.18E-08	3.20E-07	2.97E-08	2.32E-09	3.20E-08
1623	437452.98	3725933.32	2.65E-07	5.32E-08	3.18E-07	5.23E-08	6.68E-09	5.90E-08	2.82E-07	3.10E-08	3.13E-07	2.90E-08	2.26E-09	3.13E-08
1624	437438.62	3725928.61	2.59E-07	5.19E-08	3.11E-07	5.11E-08	6.52E-09	5.76E-08	2.75E-07	3.02E-08	3.05E-07	2.83E-08	2.21E-09	3.05E-08
1625	437424.26	3725923.89	2.52E-07	5.06E-08	3.03E-07	4.98E-08	6.36E-09	5.62E-08	2.68E-07	2.95E-08	2.98E-07	2.76E-08	2.16E-09	2.98E-08
1626	437409.9	3725919.17	2.46E-07	4.94E-08	2.95E-07	4.86E-08	6.20E-09	5.48E-08	2.61E-07	2.88E-08	2.90E-07	2.69E-08	2.10E-09	2.90E-08
1627	437381.18	3725909.74	2.31E-07	4.64E-08	2.77E-07	4.56E-08	5.82E-09	5.15E-08	2.45E-07	2.70E-08	2.73E-07	2.53E-08	1.97E-09	2.73E-08
1628	437366.82	3725905.02	2.24E-07	4.48E-08	2.68E-07	4.41E-08	5.63E-09	4.98E-08	2.37E-07	2.61E-08	2.64E-07	2.44E-08	1.91E-09	2.64E-08
1629	437352.46	3725900.3	2.16E-07	4.34E-08	2.59E-07	4.27E-08	5.45E-09	4.81E-08	2.30E-07	2.53E-08	2.55E-07	2.36E-08	1.85E-09	2.55E-08
1630	438177.44	3725819.66	6.96E-07	1.40E-07	8.35E-07	1.37E-07	1.75E-08	1.55E-07	7.39E-07	8.13E-08	8.20E-07	7.61E-08	5.94E-09	8.20E-08
1631	438187.28	3725808.1	6.91E-07	1.39E-07	8.29E-07	1.36E-07	1.74E-08	1.54E-07	7.33E-07	8.08E-08	8.14E-07	7.55E-08	5.90E-09	8.14E-08
1632	438196.24	3725854.8	6.29E-07	1.26E-07	7.55E-07	1.24E-07	1.58E-08	1.40E-07	6.68E-07	7.35E-08	7.42E-07	6.88E-08	5.37E-09	7.42E-08
1633	438182.76	3725861.67	6.41E-07	1.29E-07	7.69E-07	1.27E-07	1.61E-08	1.43E-07	6.80E-07	7.49E-08	7.55E-07	7.01E-08	5.47E-09	7.56E-08
1634	438169.27	3725868.54	6.51E-07	1.31E-07	7.82E-07	1.29E-07	1.64E-08	1.45E-07	6.92E-07	7.61E-08	7.68E-07	7.12E-08	5.56E-09	7.68E-08
1635	438155.79	3725875.41	6.61E-07	1.33E-07	7.93E-07	1.31E-07	1.66E-08	1.47E-07	7.02E-07	7.73E-08	7.79E-07	7.23E-08	5.64E-09	7.79E-08
1636	438142.31	3725882.28	6.70E-07	1.34E-07	8.04E-07	1.32E-07	1.69E-08	1.49E-07	7.11E-07	7.83E-08	7.90E-07	7.32E-08	5.72E-09	7.90E-08
1637	438128.83	3725889.15	6.77E-07	1.36E-07	8.12E-07	1.34E-07	1.71E-08	1.51E-07	7.19E-07	7.91E-08	7.98E-07	7.40E-08	5.78E-09	7.98E-08
1638	438115.35	3725896.02	6.82E-07	1.37E-07	8.19E-07	1.35E-07	1.72E-08	1.52E-07	7.24E-07	7.97E-08	8.04E-07	7.46E-08	5.82E-09	8.04E-08
1639	438101.86	3725902.89	6.86E-07	1.38E-07	8.23E-07	1.35E-07	1.73E-08	1.53E-07	7.28E-07	8.02E-08	8.08E-07	7.50E-08	5.86E-09	8.09E-08
1640	438088.38	3725909.76	6.87E-07	1.38E-07	8.25E-07	1.36E-07	1.73E-08	1.53E-07	7.30E-07	8.04E-08	8.11E-07	7.52E-08	5.87E-09	8.11E-08
1641	438074.9	3725916.63	6.87E-07	1.38E-07	8.25E-07	1.36E-07	1.73E-08	1.53E-07	7.30E-07	8.04E-08	8.10E-07	7.52E-08	5.87E-09	8.10E-08
1642	438061.42	3725923.5	6.85E-07	1.38E-07	8.23E-07	1.35E-07	1.73E-08	1.53E-07	7.28E-07	8.02E-08	8.08E-07	7.50E-08	5.86E-09	8.08E-08
1643	438047.94	3725930.37	6.82E-07	1.37E-07	8.18E-07	1.35E-07	1.72E-08	1.52E-07	7.24E-07	7.97E-08	8.04E-07	7.46E-08	5.82E-09	8.04E-08
1644	438034.46	3725937.24	6.76E-07	1.36E-07	8.11E-07	1.33E-07	1.70E-08	1.50E-07	7.18E-07	7.90E-08	7.97E-07	7.39E-08	5.77E-09	7.97E-08
1645	438020.97	3725944.11	6.69E-07	1.34E-07	8.03E-07	1.32E-07	1.69E-08	1.49E-07	7.11E-07	7.82E-08	7.89E-07	7.32E-08	5.71E-09	7.89E-08
1646	437556.37	3726006.16	2.90E-07	5.81E-08	3.48E-07	5.72E-08	7.30E-09	6.45E-08	3.08E-07	3.39E-08	3.42E-07	3.17E-08	2.47E-09	3.42E-08
1647	437541.99	3726001.44	2.83E-07	5.68E-08	3.40E-07	5.59E-08	7.13E-09	6.30E-08	3.01E-07	3.31E-08	3.34E-07	3.10E-08	2.42E-09	3.34E-08
1648	437527.62	3725996.71	2.76E-07	5.54E-08	3.32E-07	5.46E-08	6.96E-09	6.15E-08	2.93E-07	3.23E-08	3.26E-07	3.02E-08	2.36E-09	3.26E-08
1649	437513.24	3725991.99	2.70E-07	5.41E-08	3.24E-07	5.33E-08	6.80E-09	6.01E-08	2.87E-07	3.16E-08	3.18E-07	2.95E-08	2.30E-09	3.18E-08
1650	437498.87	3725987.27	2.63E-07	5.28E-08	3.16E-07	5.20E-08	6.64E-09	5.86E-08	2.80E-07	3.08E-08	3.10E-07	2.88E-08	2.25E-09	3.11E-08
1651	437484.49	3725982.55	2.57E-07	5.16E-08	3.09E-07	5.08E-08	6.49E-09	5.73E-08	2.73E-07	3.01E-08	3.04E-07	2.82E-08	2.20E-09	3.04E-08
1652	437470.12	3725977.82	2.51E-07	5.04E-08	3.02E-07	4.97E-08	6.33E-09	5.60E-08	2.67E-07	2.94E-08	2.96E-07	2.75E-08	2.15E-09	2.96E-08
1653	437455.74	3725973.1	2.46E-07	4.93E-08	2.95E-07	4.85E-08	6.19E-09	5.47E-08	2.61E-07	2.87E-08	2.90E-07	2.69E-08	2.10E-09	2.90E-08
1654	437398.24	3725954.21	2.21E-07	4.43E-08	2.65E-07	4.36E-08	5.56E-09	4.92E-08	2.35E-07	2.58E-08	2.60E-07	2.42E-08	1.89E-09	2.60E-08
1655	437383.86	3725949.49	2.14E-07	4.30E-08	2.57E-07	4.23E-08	5.40E-09	4.77E-08	2.27E-07	2.50E-08	2.53E-07	2.34E-08	1.83E-09	2.53E-08
1656	437369.49	3725944.77	2.07E-07	4.16E-08	2.49E-07	4.09E-08	5.22E-09	4.62E-08	2.20E-07	2.42E-08	2.44E-07	2.27E-08	1.77E-09	2.44E-08
1657	437311.99	3725925.88	1.81E-07	3.64E-08	2.18E-07	3.58E-08	4.57E-09	4.04E-08	1.93E-07	2.12E-08	2.14E-07	1.98E-08	1.55E-09	2.14E-08
1658	438207.9	3725845.59	6.21E-07	1.25E-07	7.46E-07	1.23E-07	1.57E-08	1.38E-07	6.60E-07	7.27E-08	7.33E-07	6.80E-08	5.31E-09	7.33E-08
1659	438217.74	3725834.03	6.18E-07	1.24E-07	7.42E-07	1.22E-07	1.56E-08	1.38E-07	6.56E-07	7.23E-08	7.29E-07	6.76E-08	5.28E-09	7.29E-08
1660	438226.69	3725880.73	5.65E-07	1.13E-07	6.78E-07	1.12E-07	1.42E-08	1.26E-07	6.00E-07	6.61E-08	6.66E-07	6.18E-08	4.83E-09	6.66E-08
1661	438213.2	3725887.61	5.75E-07	1.15E-07	6.91E-07	1.14E-07	1.45E-08	1.28E-07	6.11E-07	6.73E-08	6.79E-07	6.30E-08	4.92E-09	6.79E-08
1662	438199.7	3725894.49	5.86E-07	1.18E-07	7.03E-07	1.16E-07	1.48E-08	1.30E-07	6.22E-07	6.85E-08	6.91E-07	6.41E-08	5.00E-09	6.91E-08
1663	438186.21	3725901.36	5.95E-07	1.19E-07	7.14E-07	1.17E-07	1.50E-08	1.32E-07	6.32E-07	6.96E-08	7.01E-07	6.51E-08	5.08E-09	7.01E-08
1664	438172.72	3725908.24	6.02E-07	1.21E-07	7.23E-07	1.19E-07	1.52E-08	1.34E-07	6.39E-07	7.04E-08	7.10E-07	6.58E-08	5.14E-09	7.10E-08
1665	438159.22	3725915.11	6.08E-07	1.22E-07	7.30E-07	1.20E-07	1.53E-08	1.35E-07	6.46E-07	7.11E-08	7.17E-07	6.65E-08	5.19E-09	7.17E-08
1666	438145.73	3725921.99	6.13E-07	1.23E-07	7.36E-07	1.21E-07	1.55E-08	1.37E-07	6.51E-07	7.17E-08	7.23E-07	6.71E-08	5.24E-09	7.23E-08
1667	438132.23	3725928.87	6.17E-07	1.24E-07	7.41E-07	1.22E-07	1.56E-08	1.37E-07	6.56E-07	7.22E-08	7.28E-07	6.75E-08	5.27E-09	7.28E-08
1668	438118.74	3725935.74	6.19E-07	1.24E-07	7.44E-07	1.22E-07	1.56E-08	1.38E-07	6.58E-07	7.24E-08	7.30E-07	6.78E-08	5.29E-09	7.30E-08
1669	438105.24	3725942.62	6.19E-07	1.24E-07	7.44E-07	1.22E-07	1.56E-08	1.38E-07	6.58E-07	7.24E-08	7.30E-07	6.78E-08	5.29E-09	7.31E-08
1670	438091.75	3725949.49	6.17E-07	1.24E-07	7.41E-07	1.22E-07	1.56E-08	1.37E-07	6.56E-07	7.22E-08	7.28E-07	6.75E-08	5.27E-09	7.28E-08
1671	438078.26	3725956.37	6.13E-07	1.23E-07	7.36E-07	1.21E-07	1.54E-08	1.37E-07	6.51E-07	7.17E-08	7.23E-07	6.71E-08	5.24E-09	7.23E-08
1672	438064.76	3725963.25	6.08E-07	1.22E-07	7.30E-07	1.20E-07	1.53E-08	1.35E-07	6.46E-07	7.11E-08	7.17E-07	6.65E-08	5.19E-09	7.17E-08
1673	438051.27	3725970.12	6.02E-07	1.21E-07	7.23E-07	1.19E-07	1.52E-08	1.34E-07	6.40E-07	7.04E-08	7.10E-07	6.59E-08	5.14E-09	7.10E-08
1674	437501.7	3726027.07	2.43E-07	4.87E-08	2.92E-07	4.80E-08	6.12E-09	5.41E-08	2.58E-07	2.84E-08	2.86E-07	2.66E-08	2.07E-09	2.86E-08
1675	437487.31	3726022.35	2.38E-07	4.77E-08	2.85E-07	4.69E-08	5.99E-09	5.29E-08	2.52E-07	2.78E-08	2.80E-07	2.60E-08	2.03E-09	2.80E-08
1676	437472.92	3726017.62	2.33E-07	4.67E-08	2.79E-07	4.60E-08	5.86E-09	5.18E-08	2.47E-07	2.72E-08	2.74E-07	2.55E-08	1.99E-09	2.74E-08
1677	437458.54	3726012.89	2.28E-07	4.57E-08	2.73E-07	4.49E-08	5.73E-09	5.07E-08	2.42E-07	2.66E-08	2.68E-07	2.49E-08	1.94E-09	2.68E-08
1678	437444.15	3726008.16	2.23E-07	4.46E-08	2.67E-07	4.39E-08	5.61E-09	4.96E-08	2.36E-07	2.60E-08	2.62E-07	2.43E-08	1.90E-09	2.62E-08
1679	437415.37	3725998.71	2.10E-07	4.21E-08	2.52E-07	4.14E-08	5.29E-09	4.67E-08	2.23E-07	2.45E-08	2.47E-07	2.29E-08	1.79E-09	2.47E-08
1680	437400.98	3725993.98	2.04E-07	4.09E-08	2.45E-07	4.02E-08	5.13E-09	4.54E-08	2.16E-07	2.38E-08	2.40E-07	2.23E-08	1.74E-09	2.40E-08
1681	437386.59	3725989.26	1.98E-07	3.97E-08	2.37E-07	3.91E-08	4.98E-09	4.40E-08	2.10E-07	2.31E-08	2.33E-07	2.16E-08	1.69E-09	2.33E-08
1682	437372.2	3725984.53	1.92E-07	3.85E-08	2.31E-07	3.79E-08	4.84E-09	4.28E-08	2.04E-07	2.25E-08	2.26E-07	2.10E-08	1.64E-09	2.26E-08
1683	437329.04	3725970.35	1.75E-07	3.51E-08	2.10E-07	3.45E-08	4.41E-09	3.89E-08	1.86E-07	2.05E-08	2.06E-07	1.91E-08	1.49E-09	2.06E-08
1684	437314.65	3725965.62	1.69E-07	3.40E-08	2.03E-07	3.35E-08	4.27E-09	3.77E-08	1.80E-07	1.98E-08	2.00E-07	1.85E-08	1.45E-09	2.00E-08
1685	437300.26	3725960.9	1.64E-07	3.29E-08	1.97E-07	3.24E-08	4.14E-09	3.66E-08	1.74E-07	1.92E-08	1.94E-07	1.80E-08	1.40E-09	1.94E-08
1686	437285.87	3725956.17	1.59E-07	3.19E-08	1.91E-07	3.14E-08	4.01E-09	3.54E-08	1.69E-07	1.86E-08	1.88E-07	1.74E-08	1.36E-09	1.88E-08
1687	438238.36	3725871.51	5.58E-07	1.12E-07	6.70E-07	1.10E-07	1.41E-08	1.24E-07	5.93E-07	6.53E-08	6.58E-07	6.11E-08	4.77E-09	6.58E-08
1688	438248.2	3725859.95	5.55E-07	1.11E-07	6.66E-07	1.10E-07	1.40E-08	1.24E-07	5.89E-07	6.49E-08	6.54E-07	6.07E-08	4.74E-09	6.54E-08
1689	438257.15	3725906.66	5.12E-07	1.03E-07	6.15E-07	1.01E-07	1.29E-08	1.14E-07	5.44E-07	5.99E-08	6.04E-07	5.60E-08	4.37E-09	6.04E-08
1690	438243.64	3725913.54	5.21E-07	1.05E-07	6.26E-07	1.03E-07	1.31E-08	1.16E-07	5.54E-07	6.10E-08	6.15E-07	5.70E-08	4.45E-09	6.15E-08

1691	438230.14	3725920.43	5.30E-07	1.06E-07	6.36E-07	1.05E-07	1.33E-08	1.18E-07	5.63E-07	6.20E-08	6.25E-07	5.80E-08	4.53E-09	6.25E-08
1692	438216.63	3725927.31	5.37E-07	1.08E-07	6.45E-07	1.06E-07	1.35E-08	1.20E-07	5.71E-07	6.29E-08	6.34E-07	5.88E-08	4.59E-09	6.34E-08
1693	438203.13	3725934.19	5.44E-07	1.09E-07	6.54E-07	1.08E-07	1.37E-08	1.21E-07	5.78E-07	6.37E-08	6.42E-07	5.96E-08	4.65E-09	6.42E-08
1694	438189.62	3725941.07	5.51E-07	1.10E-07	6.61E-07	1.09E-07	1.39E-08	1.23E-07	5.85E-07	6.44E-08	6.49E-07	6.02E-08	4.70E-09	6.49E-08
1695	438176.12	3725947.95	5.56E-07	1.12E-07	6.68E-07	1.10E-07	1.40E-08	1.24E-07	5.91E-07	6.50E-08	6.56E-07	6.08E-08	4.75E-09	6.56E-08
1696	438162.61	3725954.83	5.61E-07	1.12E-07	6.73E-07	1.11E-07	1.41E-08	1.25E-07	5.95E-07	6.55E-08	6.61E-07	6.13E-08	4.79E-09	6.61E-08
1697	438149.11	3725961.72	5.62E-07	1.13E-07	6.75E-07	1.11E-07	1.42E-08	1.25E-07	5.97E-07	6.58E-08	6.63E-07	6.15E-08	4.80E-09	6.63E-08
1698	438135.6	3725968.6	5.63E-07	1.13E-07	6.75E-07	1.11E-07	1.42E-08	1.25E-07	5.98E-07	6.58E-08	6.63E-07	6.15E-08	4.81E-09	6.63E-08
1699	438122.1	3725975.48	5.61E-07	1.13E-07	6.73E-07	1.11E-07	1.41E-08	1.25E-07	5.96E-07	6.56E-08	6.61E-07	6.14E-08	4.79E-09	6.62E-08
1700	438108.59	3725982.36	5.58E-07	1.12E-07	6.69E-07	1.10E-07	1.40E-08	1.24E-07	5.92E-07	6.52E-08	6.57E-07	6.10E-08	4.76E-09	6.58E-08
1701	438095.09	3725989.24	5.53E-07	1.11E-07	6.64E-07	1.09E-07	1.39E-08	1.23E-07	5.88E-07	6.47E-08	6.53E-07	6.05E-08	4.73E-09	6.53E-08
1702	438081.58	3725996.12	5.49E-07	1.10E-07	6.59E-07	1.08E-07	1.38E-08	1.22E-07	5.83E-07	6.42E-08	6.47E-07	6.00E-08	4.69E-09	6.47E-08
1703	437518.96	3726071.61	2.29E-07	4.59E-08	2.74E-07	4.51E-08	5.76E-09	5.09E-08	2.43E-07	2.67E-08	2.69E-07	2.50E-08	1.95E-09	2.70E-08
1704	437504.56	3726066.88	2.24E-07	4.50E-08	2.69E-07	4.43E-08	5.65E-09	4.99E-08	2.38E-07	2.62E-08	2.64E-07	2.45E-08	1.92E-09	2.64E-08
1705	437418.16	3726038.5	1.94E-07	3.89E-08	2.33E-07	3.83E-08	4.89E-09	4.32E-08	2.06E-07	2.27E-08	2.29E-07	2.12E-08	1.66E-09	2.29E-08
1706	437403.76	3726033.77	1.88E-07	3.78E-08	2.26E-07	3.72E-08	4.75E-09	4.20E-08	2.00E-07	2.20E-08	2.22E-07	2.06E-08	1.61E-09	2.22E-08
1707	437389.36	3726029.04	1.83E-07	3.67E-08	2.20E-07	3.62E-08	4.61E-09	4.08E-08	1.94E-07	2.14E-08	2.16E-07	2.00E-08	1.56E-09	2.16E-08
1708	437346.16	3726014.85	1.68E-07	3.37E-08	2.02E-07	3.32E-08	4.23E-09	3.74E-08	1.79E-07	1.97E-08	1.98E-07	1.84E-08	1.44E-09	1.98E-08
1709	437331.76	3726010.12	1.63E-07	3.28E-08	1.96E-07	3.22E-08	4.11E-09	3.64E-08	1.73E-07	1.91E-08	1.92E-07	1.79E-08	1.39E-09	1.93E-08
1710	437317.36	3726005.38	1.59E-07	3.18E-08	1.90E-07	3.13E-08	4.00E-09	3.53E-08	1.68E-07	1.85E-08	1.87E-07	1.73E-08	1.35E-09	1.87E-08
1711	437302.96	3726000.65	1.54E-07	3.09E-08	1.85E-07	3.04E-08	3.88E-09	3.43E-08	1.64E-07	1.80E-08	1.82E-07	1.69E-08	1.32E-09	1.82E-08
1712	437288.56	3725995.92	1.50E-07	3.00E-08	1.80E-07	2.95E-08	3.77E-09	3.33E-08	1.59E-07	1.75E-08	1.76E-07	1.64E-08	1.28E-09	1.76E-08
1713	437274.16	3725991.19	1.45E-07	2.91E-08	1.74E-07	2.87E-08	3.66E-09	3.23E-08	1.54E-07	1.70E-08	1.71E-07	1.59E-08	1.24E-09	1.71E-08
1714	437259.76	3725986.46	1.41E-07	2.82E-08	1.69E-07	2.78E-08	3.55E-09	3.13E-08	1.49E-07	1.65E-08	1.66E-07	1.54E-08	1.20E-09	1.66E-08
1715	438268.82	3725897.44	5.05E-07	1.01E-07	6.07E-07	9.98E-08	1.27E-08	1.13E-07	5.37E-07	5.91E-08	5.96E-07	5.53E-08	4.32E-09	5.96E-08
1716	438278.66	3725885.88	5.01E-07	1.01E-07	6.02E-07	9.90E-08	1.26E-08	1.12E-07	5.33E-07	5.86E-08	5.91E-07	5.48E-08	4.28E-09	5.91E-08
1717	438287.6	3725932.59	4.64E-07	9.30E-08	5.57E-07	9.16E-08	1.17E-08	1.03E-07	4.92E-07	5.42E-08	5.47E-07	5.07E-08	3.96E-09	5.47E-08
1718	438274.09	3725939.48	4.73E-07	9.50E-08	5.68E-07	9.35E-08	1.19E-08	1.05E-07	5.03E-07	5.54E-08	5.58E-07	5.18E-08	4.04E-09	5.58E-08
1719	438260.57	3725946.37	4.82E-07	9.67E-08	5.79E-07	9.52E-08	1.21E-08	1.07E-07	5.12E-07	5.64E-08	5.68E-07	5.27E-08	4.12E-09	5.69E-08
1720	438247.06	3725953.25	4.90E-07	9.83E-08	5.88E-07	9.67E-08	1.23E-08	1.09E-07	5.20E-07	5.73E-08	5.78E-07	5.36E-08	4.18E-09	5.78E-08
1721	438233.54	3725960.14	4.96E-07	9.95E-08	5.96E-07	9.80E-08	1.25E-08	1.10E-07	5.27E-07	5.80E-08	5.85E-07	5.43E-08	4.24E-09	5.85E-08
1722	438220.03	3725967.03	5.01E-07	1.01E-07	6.02E-07	9.90E-08	1.26E-08	1.12E-07	5.33E-07	5.86E-08	5.91E-07	5.48E-08	4.28E-09	5.91E-08
1723	438206.51	3725973.91	5.06E-07	1.02E-07	6.08E-07	9.99E-08	1.28E-08	1.13E-07	5.38E-07	5.92E-08	5.97E-07	5.54E-08	4.32E-09	5.97E-08
1724	438193	3725980.8	5.10E-07	1.02E-07	6.12E-07	1.01E-07	1.29E-08	1.14E-07	5.42E-07	5.96E-08	6.01E-07	5.58E-08	4.36E-09	6.01E-08
1725	438179.48	3725987.69	5.13E-07	1.03E-07	6.15E-07	1.01E-07	1.29E-08	1.14E-07	5.44E-07	5.99E-08	6.04E-07	5.61E-08	4.38E-09	6.04E-08
1726	438165.97	3725994.57	5.14E-07	1.03E-07	6.17E-07	1.02E-07	1.30E-08	1.14E-07	5.46E-07	6.01E-08	6.06E-07	5.62E-08	4.39E-09	6.06E-08
1727	438152.45	3726001.46	5.14E-07	1.03E-07	6.18E-07	1.02E-07	1.30E-08	1.15E-07	5.46E-07	6.02E-08	6.07E-07	5.63E-08	4.39E-09	6.07E-08
1728	438138.94	3726008.35	5.13E-07	1.03E-07	6.17E-07	1.01E-07	1.29E-08	1.14E-07	5.45E-07	6.00E-08	6.05E-07	5.62E-08	4.39E-09	6.06E-08
1729	438125.42	3726015.23	5.11E-07	1.03E-07	6.14E-07	1.01E-07	1.29E-08	1.14E-07	5.43E-07	5.98E-08	6.03E-07	5.59E-08	4.37E-09	6.03E-08
1730	438111.91	3726022.12	5.07E-07	1.02E-07	6.09E-07	1.00E-07	1.28E-08	1.13E-07	5.39E-07	5.93E-08	5.98E-07	5.55E-08	4.33E-09	5.98E-08
1731	437493.03	3726101.97	2.04E-07	4.09E-08	2.45E-07	4.03E-08	5.14E-09	4.54E-08	2.17E-07	2.38E-08	2.40E-07	2.23E-08	1.74E-09	2.40E-08
1732	437478.62	3726097.23	1.99E-07	4.00E-08	2.39E-07	3.93E-08	5.02E-09	4.44E-08	2.12E-07	2.33E-08	2.35E-07	2.18E-08	1.70E-09	2.35E-08
1733	437464.21	3726092.5	1.94E-07	3.90E-08	2.34E-07	3.84E-08	4.90E-09	4.33E-08	2.07E-07	2.27E-08	2.29E-07	2.13E-08	1.66E-09	2.29E-08
1734	437449.8	3726087.77	1.90E-07	3.81E-08	2.28E-07	3.75E-08	4.78E-09	4.22E-08	2.01E-07	2.22E-08	2.24E-07	2.07E-08	1.62E-09	2.24E-08
1735	437435.39	3726083.03	1.85E-07	3.71E-08	2.22E-07	3.65E-08	4.66E-09	4.12E-08	1.96E-07	2.16E-08	2.18E-07	2.02E-08	1.58E-09	2.18E-08
1736	437363.34	3726059.36	1.61E-07	3.24E-08	1.94E-07	3.19E-08	4.07E-09	3.60E-08	1.71E-07	1.89E-08	1.90E-07	1.77E-08	1.38E-09	1.90E-08
1737	437348.93	3726054.63	1.57E-07	3.15E-08	1.89E-07	3.11E-08	3.96E-09	3.50E-08	1.67E-07	1.84E-08	1.85E-07	1.72E-08	1.34E-09	1.85E-08
1738	437334.52	3726049.89	1.53E-07	3.07E-08	1.84E-07	3.02E-08	3.85E-09	3.41E-08	1.62E-07	1.79E-08	1.80E-07	1.67E-08	1.31E-09	1.80E-08
1739	437320.11	3726045.16	1.49E-07	2.99E-08	1.79E-07	2.94E-08	3.75E-09	3.31E-08	1.58E-07	1.74E-08	1.75E-07	1.63E-08	1.27E-09	1.76E-08
1740	437305.7	3726040.42	1.45E-07	2.91E-08	1.74E-07	2.86E-08	3.65E-09	3.23E-08	1.54E-07	1.69E-08	1.71E-07	1.59E-08	1.24E-09	1.71E-08
1741	437291.28	3726035.69	1.41E-07	2.83E-08	1.69E-07	2.79E-08	3.55E-09	3.14E-08	1.50E-07	1.65E-08	1.66E-07	1.54E-08	1.20E-09	1.66E-08
1742	437276.87	3726030.96	1.37E-07	2.75E-08	1.65E-07	2.71E-08	3.46E-09	3.05E-08	1.46E-07	1.60E-08	1.62E-07	1.50E-08	1.17E-09	1.62E-08
1743	437262.46	3726026.22	1.33E-07	2.67E-08	1.60E-07	2.63E-08	3.36E-09	2.97E-08	1.42E-07	1.56E-08	1.57E-07	1.46E-08	1.14E-09	1.57E-08
1744	437248.05	3726021.49	1.29E-07	2.60E-08	1.55E-07	2.56E-08	3.26E-09	2.88E-08	1.38E-07	1.51E-08	1.53E-07	1.42E-08	1.11E-09	1.53E-08
1745	437233.64	3726016.75	1.26E-07	2.52E-08	1.51E-07	2.48E-08	3.17E-09	2.80E-08	1.33E-07	1.47E-08	1.48E-07	1.37E-08	1.07E-09	1.48E-08
1746	438299.28	3725923.37	4.57E-07	9.17E-08	5.49E-07	9.03E-08	1.15E-08	1.02E-07	4.85E-07	5.34E-08	5.39E-07	5.00E-08	3.90E-09	5.39E-08
1747	438309.12	3725911.81	4.54E-07	9.10E-08	5.44E-07	8.96E-08	1.14E-08	1.01E-07	4.82E-07	5.30E-08	5.35E-07	4.96E-08	3.87E-09	5.35E-08
1748	438304.53	3725965.41	4.30E-07	8.64E-08	5.17E-07	8.50E-08	1.08E-08	9.59E-08	4.57E-07	5.03E-08	5.08E-07	4.71E-08	3.68E-09	5.08E-08
1749	438291.01	3725972.3	4.40E-07	8.82E-08	5.28E-07	8.69E-08	1.11E-08	9.79E-08	4.67E-07	5.14E-08	5.19E-07	4.81E-08	3.76E-09	5.19E-08
1750	438277.48	3725979.2	4.48E-07	9.00E-08	5.38E-07	8.86E-08	1.13E-08	9.99E-08	4.76E-07	5.24E-08	5.29E-07	4.90E-08	3.83E-09	5.29E-08
1751	438263.96	3725986.09	4.55E-07	9.12E-08	5.46E-07	8.98E-08	1.15E-08	1.01E-07	4.83E-07	5.32E-08	5.36E-07	4.97E-08	3.88E-09	5.36E-08
1752	438250.44	3725992.98	4.60E-07	9.22E-08	5.52E-07	9.08E-08	1.16E-08	1.02E-07	4.88E-07	5.37E-08	5.42E-07	5.03E-08	3.92E-09	5.42E-08
1753	438236.91	3725999.87	4.63E-07	9.30E-08	5.56E-07	9.15E-08	1.17E-08	1.03E-07	4.92E-07	5.42E-08	5.46E-07	5.07E-08	3.96E-09	5.46E-08
1754	438223.39	3726006.76	4.66E-07	9.36E-08	5.60E-07	9.21E-08	1.18E-08	1.04E-07	4.95E-07	5.45E-08	5.50E-07	5.10E-08	3.98E-09	5.50E-08
1755	438209.87	3726013.65	4.69E-07	9.42E-08	5.64E-07	9.27E-08	1.18E-08	1.05E-07	4.99E-07	5.49E-08	5.53E-07	5.13E-08	4.01E-09	5.54E-08
1756	438196.34	3726020.54	4.72E-07	9.47E-08	5.66E-07	9.32E-08	1.19E-08	1.05E-07	5.01E-07	5.52E-08	5.56E-07	5.16E-08	4.03E-09	5.56E-08
1757	438182.82	3726027.43	4.73E-07	9.50E-08	5.68E-07	9.35E-08	1.19E-08	1.05E-07	5.03E-07	5.53E-08	5.58E-07	5.18E-08	4.04E-09	5.58E-08
1758	438169.3	3726034.32	4.74E-07	9.50E-08	5.69E-07	9.35E-08	1.19E-08	1.05E-07	5.03E-07	5.54E-08	5.58E-07	5.18E-08	4.05E-09	5.59E-08
1759	438155.77	3726041.21	4.73E-07	9.49E-08	5.68E-07	9.34E-08	1.19E-08	1.05E-07	5.02E-07	5.53E-08	5.58E-07	5.18E-08	4.04E-09	5.58E-08
1760	438142.25	3726048.11	4.71E-07	9.46E-08	5.66E-07	9.31E-08	1.19E-08	1.05E-07	5.01E-07	5.51E-08	5.56E-07	5.16E-08	4.03E-09	5.56E-08
1761	437452.66	3726127.58	1.76E-07	3.53E-08	2.11E-07	3.48E-08	4.44E-09	3.92E-08	1.87E-07	2.06E-08	2.08E-07	1.93E-08	1.50E-09	2.08E-08
1762	437438.24	3726122.84	1.72E-07	3.45E-08	2.06E-07	3.39E-08	4.33E-09	3.82E-08	1.82E-07	2.01E-08	2.02E-07	1.88E-08	1.47E-09	2.03E-08
1763	437423.82	3726118.1	1.68E-07	3.36E-08	2.01E-07	3.31E-08	4.22E-09	3.73E-08	1.78E-07	1.96E-08	1.98E-07	1.83E-08	1.43E-09	1.98E-08
1764	437409.4	3726113.37	1.64E-07	3.28E-08	1.96E-07	3.23E-08	4.12E-09	3.64E-08	1.74E-07	1.91E-08	1.93E-07	1.79E-08	1.40E-09	1.93E-08
1765	437366.14	3726099.16	1.51E-07	3.03E-08	1.81E-07	2.99E-08	3.81E-09	3.37E-08	1.61E-07	1.77E-08	1.78E-07	1.65E-08	1.29E-09	1.78E-08
1766	437351.72	3726094.42	1.47E-07	2.96E-08	1.77E-07	2.91E-08	3.71E-09	3.28E-08	1.57E-07	1.72E-08	1.74E-07	1.61E-08	1.26E-09	1.74E-08
1767	437337.31	3726089.68	1.44E-07	2.88E-08	1.73E-07	2.84E-08	3.62E-09	3.20E-08	1.53E-07	1.68E-08	1.70E-07	1.57E-08	1.23E-09	1.70E-08

1768	437322.89	3726084.94	1.40E-07	2.81E-08	1.68E-07	2.77E-08	3.53E-09	3.12E-08	1.49E-07	1.64E-08	1.65E-07	1.53E-08	1.20E-09	1.65E-08
1769	437308.47	3726080.21	1.37E-07	2.74E-08	1.64E-07	2.70E-08	3.44E-09	3.04E-08	1.45E-07	1.60E-08	1.61E-07	1.49E-08	1.17E-09	1.61E-08
1770	437294.05	3726075.47	1.33E-07	2.67E-08	1.60E-07	2.63E-08	3.35E-09	2.96E-08	1.41E-07	1.56E-08	1.57E-07	1.46E-08	1.14E-09	1.57E-08
1771	437279.63	3726070.73	1.30E-07	2.60E-08	1.56E-07	2.56E-08	3.27E-09	2.89E-08	1.38E-07	1.52E-08	1.53E-07	1.42E-08	1.11E-09	1.53E-08
1772	437265.21	3726066	1.26E-07	2.54E-08	1.52E-07	2.50E-08	3.18E-09	2.81E-08	1.34E-07	1.48E-08	1.49E-07	1.38E-08	1.08E-09	1.49E-08
1773	437250.79	3726061.26	1.23E-07	2.47E-08	1.48E-07	2.43E-08	3.10E-09	2.74E-08	1.31E-07	1.44E-08	1.45E-07	1.35E-08	1.05E-09	1.45E-08
1774	437236.37	3726056.52	1.20E-07	2.41E-08	1.44E-07	2.37E-08	3.02E-09	2.67E-08	1.27E-07	1.40E-08	1.41E-07	1.31E-08	1.02E-09	1.41E-08
1775	437221.95	3726051.78	1.17E-07	2.34E-08	1.40E-07	2.30E-08	2.94E-09	2.60E-08	1.24E-07	1.36E-08	1.38E-07	1.28E-08	9.96E-10	1.38E-08
1776	437207.53	3726047.05	1.13E-07	2.28E-08	1.36E-07	2.24E-08	2.86E-09	2.53E-08	1.20E-07	1.33E-08	1.34E-07	1.24E-08	9.69E-10	1.34E-08
1777	438241.6	3726038.93	4.33E-07	8.68E-08	5.19E-07	8.55E-08	1.09E-08	9.64E-08	4.60E-07	5.06E-08	5.10E-07	4.73E-08	3.70E-09	5.10E-08
1778	438228.22	3726045.75	4.34E-07	8.71E-08	5.21E-07	8.58E-08	1.09E-08	9.67E-08	4.61E-07	5.08E-08	5.12E-07	4.75E-08	3.71E-09	5.12E-08
1779	438214.85	3726052.56	4.36E-07	8.74E-08	5.23E-07	8.61E-08	1.10E-08	9.70E-08	4.63E-07	5.10E-08	5.14E-07	4.77E-08	3.72E-09	5.14E-08
1780	438201.47	3726059.38	4.37E-07	8.77E-08	5.25E-07	8.63E-08	1.10E-08	9.73E-08	4.64E-07	5.11E-08	5.15E-07	4.78E-08	3.73E-09	5.16E-08
1781	438188.1	3726066.19	4.38E-07	8.78E-08	5.25E-07	8.64E-08	1.10E-08	9.74E-08	4.65E-07	5.12E-08	5.16E-07	4.79E-08	3.74E-09	5.16E-08
1782	438174.72	3726073.01	4.37E-07	8.77E-08	5.25E-07	8.63E-08	1.10E-08	9.74E-08	4.64E-07	5.11E-08	5.15E-07	4.78E-08	3.73E-09	5.16E-08
1783	437388.02	3726145.21	1.46E-07	2.93E-08	1.76E-07	2.89E-08	3.69E-09	3.26E-08	1.55E-07	1.71E-08	1.72E-07	1.60E-08	1.25E-09	1.72E-08
1784	437359.5	3726135.84	1.40E-07	2.80E-08	1.68E-07	2.76E-08	3.52E-09	3.11E-08	1.48E-07	1.63E-08	1.65E-07	1.53E-08	1.19E-09	1.65E-08
1785	437345.24	3726131.16	1.37E-07	2.74E-08	1.64E-07	2.70E-08	3.44E-09	3.04E-08	1.45E-07	1.60E-08	1.61E-07	1.49E-08	1.17E-09	1.61E-08
1786	437330.98	3726126.47	1.34E-07	2.68E-08	1.60E-07	2.64E-08	3.37E-09	2.98E-08	1.42E-07	1.56E-08	1.58E-07	1.46E-08	1.14E-09	1.58E-08
1787	437316.72	3726121.79	1.31E-07	2.62E-08	1.57E-07	2.58E-08	3.29E-09	2.91E-08	1.39E-07	1.53E-08	1.54E-07	1.43E-08	1.12E-09	1.54E-08
1788	437302.46	3726117.1	1.28E-07	2.56E-08	1.53E-07	2.52E-08	3.21E-09	2.84E-08	1.35E-07	1.49E-08	1.50E-07	1.40E-08	1.09E-09	1.50E-08
1789	437288.2	3726112.42	1.24E-07	2.50E-08	1.49E-07	2.46E-08	3.14E-09	2.77E-08	1.32E-07	1.46E-08	1.47E-07	1.36E-08	1.06E-09	1.47E-08
1790	437273.93	3726107.73	1.22E-07	2.44E-08	1.46E-07	2.40E-08	3.06E-09	2.71E-08	1.29E-07	1.42E-08	1.43E-07	1.33E-08	1.04E-09	1.43E-08
1791	437259.67	3726103.05	1.19E-07	2.38E-08	1.43E-07	2.35E-08	2.99E-09	2.65E-08	1.26E-07	1.39E-08	1.40E-07	1.30E-08	1.02E-09	1.40E-08
1792	437245.41	3726098.36	1.16E-07	2.33E-08	1.39E-07	2.29E-08	2.93E-09	2.59E-08	1.23E-07	1.36E-08	1.37E-07	1.27E-08	9.92E-10	1.37E-08
1793	437231.15	3726093.68	1.13E-07	2.28E-08	1.36E-07	2.24E-08	2.86E-09	2.53E-08	1.20E-07	1.33E-08	1.34E-07	1.24E-08	9.69E-10	1.34E-08
1794	437216.89	3726089	1.11E-07	2.22E-08	1.33E-07	2.19E-08	2.79E-09	2.46E-08	1.18E-07	1.29E-08	1.30E-07	1.21E-08	9.45E-10	1.31E-08
1795	437202.63	3726084.31	1.08E-07	2.16E-08	1.29E-07	2.13E-08	2.72E-09	2.40E-08	1.15E-07	1.26E-08	1.27E-07	1.18E-08	9.21E-10	1.27E-08
1796	437188.37	3726079.63	1.05E-07	2.11E-08	1.26E-07	2.08E-08	2.65E-09	2.34E-08	1.12E-07	1.23E-08	1.24E-07	1.15E-08	8.99E-10	1.24E-08
1797	437347.85	3726170.89	1.30E-07	2.61E-08	1.56E-07	2.57E-08	3.27E-09	2.89E-08	1.38E-07	1.52E-08	1.53E-07	1.42E-08	1.11E-09	1.53E-08
1798	437333.58	3726166.2	1.27E-07	2.55E-08	1.53E-07	2.51E-08	3.21E-09	2.84E-08	1.35E-07	1.49E-08	1.50E-07	1.39E-08	1.09E-09	1.50E-08
1799	437319.3	3726161.51	1.25E-07	2.50E-08	1.50E-07	2.46E-08	3.14E-09	2.78E-08	1.33E-07	1.46E-08	1.47E-07	1.37E-08	1.07E-09	1.47E-08
1800	437305.02	3726156.82	1.22E-07	2.45E-08	1.47E-07	2.41E-08	3.08E-09	2.72E-08	1.30E-07	1.43E-08	1.44E-07	1.34E-08	1.04E-09	1.44E-08
1801	437290.75	3726152.13	1.20E-07	2.40E-08	1.44E-07	2.36E-08	3.01E-09	2.66E-08	1.27E-07	1.40E-08	1.41E-07	1.31E-08	1.02E-09	1.41E-08
1802	437276.47	3726147.44	1.17E-07	2.35E-08	1.41E-07	2.31E-08	2.95E-09	2.61E-08	1.24E-07	1.37E-08	1.38E-07	1.28E-08	1.00E-09	1.38E-08
1803	437262.2	3726142.75	1.15E-07	2.30E-08	1.38E-07	2.27E-08	2.89E-09	2.56E-08	1.22E-07	1.34E-08	1.35E-07	1.26E-08	9.80E-10	1.35E-08
1804	437247.92	3726138.06	1.12E-07	2.25E-08	1.35E-07	2.22E-08	2.83E-09	2.50E-08	1.19E-07	1.31E-08	1.32E-07	1.23E-08	9.58E-10	1.32E-08
1805	437233.65	3726133.37	1.10E-07	2.20E-08	1.32E-07	2.17E-08	2.77E-09	2.44E-08	1.17E-07	1.28E-08	1.29E-07	1.20E-08	9.37E-10	1.29E-08
1806	437219.37	3726128.68	1.07E-07	2.15E-08	1.29E-07	2.12E-08	2.70E-09	2.39E-08	1.14E-07	1.25E-08	1.27E-07	1.17E-08	9.17E-10	1.27E-08
1807	437205.09	3726123.99	1.05E-07	2.10E-08	1.26E-07	2.07E-08	2.64E-09	2.34E-08	1.11E-07	1.23E-08	1.24E-07	1.15E-08	8.96E-10	1.24E-08
1808	437190.82	3726119.3	1.03E-07	2.06E-08	1.23E-07	2.03E-08	2.59E-09	2.29E-08	1.09E-07	1.20E-08	1.21E-07	1.12E-08	8.77E-10	1.21E-08
1809	437176.54	3726114.61	1.01E-07	2.02E-08	1.21E-07	1.99E-08	2.53E-09	2.24E-08	1.07E-07	1.18E-08	1.19E-07	1.10E-08	8.59E-10	1.19E-08
1810	437162.27	3726109.92	9.85E-08	1.98E-08	1.18E-07	1.95E-08	2.48E-09	2.19E-08	1.05E-07	1.15E-08	1.16E-07	1.08E-08	8.41E-10	1.16E-08
1811	437336.21	3726205.94	1.23E-07	2.46E-08	1.47E-07	2.43E-08	3.09E-09	2.73E-08	1.30E-07	1.44E-08	1.45E-07	1.34E-08	1.05E-09	1.45E-08
1812	437321.93	3726201.24	1.20E-07	2.41E-08	1.44E-07	2.37E-08	3.03E-09	2.67E-08	1.28E-07	1.40E-08	1.42E-07	1.31E-08	1.03E-09	1.42E-08
1813	437307.64	3726196.55	1.18E-07	2.36E-08	1.41E-07	2.32E-08	2.96E-09	2.62E-08	1.25E-07	1.38E-08	1.39E-07	1.29E-08	1.00E-09	1.39E-08
1814	437293.35	3726191.86	1.15E-07	2.31E-08	1.38E-07	2.28E-08	2.90E-09	2.57E-08	1.22E-07	1.35E-08	1.36E-07	1.26E-08	9.84E-10	1.36E-08
1815	437279.06	3726187.16	1.13E-07	2.27E-08	1.36E-07	2.23E-08	2.85E-09	2.52E-08	1.20E-07	1.32E-08	1.33E-07	1.24E-08	9.65E-10	1.33E-08
1816	437264.77	3726182.47	1.11E-07	2.23E-08	1.33E-07	2.19E-08	2.80E-09	2.47E-08	1.18E-07	1.30E-08	1.31E-07	1.21E-08	9.48E-10	1.31E-08
1817	437250.48	3726177.77	1.09E-07	2.19E-08	1.31E-07	2.15E-08	2.75E-09	2.43E-08	1.16E-07	1.28E-08	1.29E-07	1.19E-08	9.32E-10	1.29E-08
1818	437236.19	3726173.08	1.07E-07	2.15E-08	1.29E-07	2.11E-08	2.70E-09	2.38E-08	1.14E-07	1.25E-08	1.26E-07	1.17E-08	9.14E-10	1.26E-08
1819	437221.9	3726168.38	1.05E-07	2.11E-08	1.26E-07	2.07E-08	2.64E-09	2.34E-08	1.11E-07	1.23E-08	1.24E-07	1.15E-08	8.96E-10	1.24E-08
1820	437207.61	3726163.69	1.03E-07	2.06E-08	1.24E-07	2.03E-08	2.59E-09	2.29E-08	1.09E-07	1.20E-08	1.21E-07	1.13E-08	8.79E-10	1.21E-08
1821	437193.32	3726159	1.01E-07	2.02E-08	1.21E-07	1.99E-08	2.54E-09	2.24E-08	1.07E-07	1.18E-08	1.19E-07	1.10E-08	8.61E-10	1.19E-08
1822	437179.03	3726154.3	9.85E-08	1.98E-08	1.18E-07	1.95E-08	2.48E-09	2.19E-08	1.05E-07	1.15E-08	1.16E-07	1.08E-08	8.42E-10	1.16E-08
1823	437164.74	3726149.61	9.65E-08	1.94E-08	1.16E-07	1.91E-08	2.43E-09	2.15E-08	1.03E-07	1.13E-08	1.14E-07	1.06E-08	8.25E-10	1.14E-08
1824	437150.45	3726144.91	9.50E-08	1.91E-08	1.14E-07	1.88E-08	2.39E-09	2.11E-08	1.01E-07	1.11E-08	1.12E-07	1.04E-08	8.11E-10	1.12E-08
1825	437136.16	3726140.22	9.33E-08	1.87E-08	1.12E-07	1.84E-08	2.35E-09	2.08E-08	9.92E-08	1.09E-08	1.10E-07	1.02E-08	7.97E-10	1.10E-08
1826	437396.1	3726264.48	1.29E-07	2.59E-08	1.55E-07	2.55E-08	3.26E-09	2.88E-08	1.37E-07	1.51E-08	1.52E-07	1.41E-08	1.10E-09	1.52E-08
1827	437324.59	3726240.99	1.17E-07	2.35E-08	1.40E-07	2.31E-08	2.95E-09	2.60E-08	1.24E-07	1.37E-08	1.38E-07	1.28E-08	9.98E-10	1.38E-08
1828	437310.29	3726236.29	1.14E-07	2.29E-08	1.37E-07	2.25E-08	2.87E-09	2.54E-08	1.21E-07	1.33E-08	1.34E-07	1.25E-08	9.73E-10	1.34E-08
1829	437295.98	3726231.59	1.11E-07	2.23E-08	1.33E-07	2.20E-08	2.80E-09	2.48E-08	1.18E-07	1.30E-08	1.31E-07	1.22E-08	9.50E-10	1.31E-08
1830	437281.68	3726226.89	1.09E-07	2.18E-08	1.30E-07	2.15E-08	2.74E-09	2.42E-08	1.15E-07	1.27E-08	1.28E-07	1.19E-08	9.28E-10	1.28E-08
1831	437267.38	3726222.2	1.07E-07	2.14E-08	1.28E-07	2.10E-08	2.68E-09	2.37E-08	1.13E-07	1.25E-08	1.26E-07	1.17E-08	9.10E-10	1.26E-08
1832	437253.08	3726217.5	1.05E-07	2.10E-08	1.26E-07	2.07E-08	2.64E-09	2.34E-08	1.11E-07	1.23E-08	1.24E-07	1.15E-08	8.96E-10	1.24E-08
1833	437238.77	3726212.8	1.04E-07	2.08E-08	1.24E-07	2.05E-08	2.61E-09	2.31E-08	1.10E-07	1.21E-08	1.22E-07	1.13E-08	8.86E-10	1.22E-08
1834	437224.47	3726208.1	1.02E-07	2.06E-08	1.23E-07	2.02E-08	2.58E-09	2.28E-08	1.09E-07	1.20E-08	1.21E-07	1.12E-08	8.75E-10	1.21E-08
1835	437210.17	3726203.4	1.01E-07	2.02E-08	1.21E-07	1.99E-08	2.54E-09	2.25E-08	1.07E-07	1.18E-08	1.19E-07	1.10E-08	8.61E-10	1.19E-08
1836	437195.87	3726198.7	9.89E-08	1.99E-08	1.19E-07	1.95E-08	2.49E-09	2.20E-08	1.05E-07	1.16E-08	1.17E-07	1.08E-08	8.45E-10	1.17E-08
1837	437181.57	3726194.01	9.69E-08	1.94E-08	1.16E-07	1.91E-08	2.44E-09	2.16E-08	1.03E-07	1.13E-08	1.14E-07	1.06E-08	8.27E-10	1.14E-08
1838	437167.26	3726189.31	9.48E-08	1.90E-08	1.14E-07	1.87E-08	2.39E-09	2.11E-08	1.01E-07	1.11E-08	1.12E-07	1.04E-08	8.10E-10	1.12E-08
1839	437152.96	3726184.61	9.30E-08	1.87E-08	1.12E-07	1.84E-08	2.34E-09	2.07E-08	9.88E-08	1.09E-08	1.10E-07	1.02E-08	7.94E-10	1.10E-08
1840	437138.66	3726179.91	9.13E-08	1.83E-08	1.10E-07	1.80E-08	2.30E-09	2.03E-08	9.70E-08	1.07E-08	1.08E-07	9.99E-09	7.80E-10	1.08E-08
1841	437124.36	3726175.21	8.97E-08	1.80E-08	1.08E-07	1.77E-08	2.26E-09	2.00E-08	9.53E-08	1.05E-08	1.06E-07	9.82E-09	7.67E-10	1.06E-08
1842	437110.05	3726170.51	8.83E-08	1.77E-08	1.06E-07	1.74E-08	2.23E-09	1.97E-08	9.38E-08	1.03E-08	1.04E-07	9.66E-09	7.54E-10	1.04E-08
1843	437095.75	3726165.81	8.65E-08	1.74E-08	1.04E-07	1.71E-08	2.18E-09	1.93E-08	9.19E-08	1.01E-08	1.02E-07	9.46E-09	7.39E-10	1.02E-08
1844	437413.16	3726308.96	1.25E-07	2.52E-08	1.51E-07	2.48E-08	3.16E-09	2.79E-08	1.33E-07	1.47E-08	1.48E-07	1.37E-08	1.07E-09	1.48E-08

1845	437398.85	3726304.26	1.24E-07	2.49E-08	1.49E-07	2.45E-08	3.13E-09	2.76E-08	1.32E-07	1.45E-08	1.46E-07	1.36E-08	1.06E-09	1.46E-08
1846	437384.54	3726299.56	1.23E-07	2.47E-08	1.48E-07	2.43E-08	3.10E-09	2.74E-08	1.31E-07	1.44E-08	1.45E-07	1.34E-08	1.05E-09	1.45E-08
1847	437370.22	3726294.85	1.21E-07	2.43E-08	1.45E-07	2.39E-08	3.05E-09	2.69E-08	1.28E-07	1.41E-08	1.43E-07	1.32E-08	1.03E-09	1.43E-08
1848	437355.91	3726290.15	1.19E-07	2.38E-08	1.42E-07	2.34E-08	2.99E-09	2.64E-08	1.26E-07	1.39E-08	1.40E-07	1.30E-08	1.01E-09	1.40E-08
1849	437341.6	3726285.45	1.16E-07	2.33E-08	1.39E-07	2.29E-08	2.93E-09	2.59E-08	1.23E-07	1.36E-08	1.37E-07	1.27E-08	9.92E-10	1.37E-08
1850	437327.28	3726280.75	1.14E-07	2.28E-08	1.37E-07	2.25E-08	2.87E-09	2.53E-08	1.21E-07	1.33E-08	1.34E-07	1.24E-08	9.71E-10	1.34E-08
1851	437312.97	3726276.04	1.11E-07	2.23E-08	1.33E-07	2.19E-08	2.80E-09	2.47E-08	1.18E-07	1.30E-08	1.31E-07	1.22E-08	9.49E-10	1.31E-08
1852	437298.65	3726271.34	1.08E-07	2.17E-08	1.30E-07	2.14E-08	2.73E-09	2.41E-08	1.15E-07	1.27E-08	1.28E-07	1.18E-08	9.25E-10	1.28E-08
1853	437284.34	3726266.64	1.06E-07	2.12E-08	1.27E-07	2.09E-08	2.66E-09	2.35E-08	1.12E-07	1.24E-08	1.25E-07	1.16E-08	9.03E-10	1.25E-08
1854	437270.03	3726261.94	1.03E-07	2.07E-08	1.24E-07	2.04E-08	2.61E-09	2.30E-08	1.10E-07	1.21E-08	1.22E-07	1.13E-08	8.83E-10	1.22E-08
1855	437255.71	3726257.24	1.01E-07	2.03E-08	1.21E-07	2.00E-08	2.55E-09	2.25E-08	1.07E-07	1.18E-08	1.19E-07	1.11E-08	8.64E-10	1.19E-08
1856	437241.4	3726252.53	9.93E-08	1.99E-08	1.19E-07	1.96E-08	2.50E-09	2.21E-08	1.06E-07	1.16E-08	1.17E-07	1.09E-08	8.49E-10	1.17E-08
1857	437227.08	3726247.83	9.78E-08	1.96E-08	1.17E-07	1.93E-08	2.46E-09	2.18E-08	1.04E-07	1.14E-08	1.15E-07	1.07E-08	8.35E-10	1.15E-08
1858	437212.77	3726243.13	9.67E-08	1.94E-08	1.16E-07	1.91E-08	2.44E-09	2.15E-08	1.03E-07	1.13E-08	1.14E-07	1.06E-08	8.26E-10	1.14E-08
1859	437198.46	3726238.43	9.57E-08	1.92E-08	1.15E-07	1.89E-08	2.41E-09	2.13E-08	1.02E-07	1.12E-08	1.13E-07	1.05E-08	8.18E-10	1.13E-08
1860	437184.14	3726233.72	9.44E-08	1.89E-08	1.13E-07	1.86E-08	2.38E-09	2.10E-08	1.00E-07	1.10E-08	1.11E-07	1.03E-08	8.06E-10	1.11E-08
1861	437169.83	3726229.02	9.29E-08	1.86E-08	1.12E-07	1.84E-08	2.34E-09	2.07E-08	9.87E-08	1.09E-08	1.10E-07	1.02E-08	7.94E-10	1.10E-08
1862	437155.52	3726224.32	9.13E-08	1.83E-08	1.10E-07	1.80E-08	2.30E-09	2.03E-08	9.70E-08	1.07E-08	1.08E-07	9.99E-09	7.80E-10	1.08E-08
1863	437141.2	3726219.62	8.96E-08	1.80E-08	1.08E-07	1.77E-08	2.26E-09	2.00E-08	9.52E-08	1.05E-08	1.06E-07	9.80E-09	7.65E-10	1.06E-08
1864	437126.89	3726214.91	8.78E-08	1.76E-08	1.05E-07	1.73E-08	2.21E-09	1.96E-08	9.33E-08	1.03E-08	1.04E-07	9.61E-09	7.50E-10	1.04E-08
1865	437112.57	3726210.21	8.61E-08	1.73E-08	1.03E-07	1.70E-08	2.17E-09	1.92E-08	9.15E-08	1.01E-08	1.02E-07	9.42E-09	7.35E-10	1.02E-08
1866	437098.26	3726205.51	8.45E-08	1.70E-08	1.01E-07	1.67E-08	2.13E-09	1.88E-08	8.98E-08	9.88E-09	9.97E-08	9.25E-09	7.22E-10	9.97E-09
1867	437083.95	3726200.81	8.30E-08	1.67E-08	9.97E-08	1.64E-08	2.09E-09	1.85E-08	8.82E-08	9.71E-09	9.79E-08	9.08E-09	7.09E-10	9.79E-09
1868	437069.63	3726196.11	8.15E-08	1.64E-08	9.79E-08	1.61E-08	2.05E-09	1.82E-08	8.66E-08	9.53E-09	9.61E-08	8.92E-09	6.96E-10	9.61E-09
1869	437743.55	3725409.23	3.38E-05	6.78E-06	4.06E-05	6.67E-06	8.51E-07	7.52E-06	3.59E-05	3.95E-06	3.98E-05	3.70E-06	2.89E-07	3.98E-06
1870	437750.64	3725402.77	3.39E-05	6.80E-06	4.07E-05	6.69E-06	8.53E-07	7.54E-06	3.60E-05	3.96E-06	3.99E-05	3.70E-06	2.89E-07	3.99E-06
1871	437753.68	3725416.69	2.67E-05	5.35E-06	3.20E-05	5.26E-06	6.72E-07	5.94E-06	2.83E-05	3.12E-06	3.14E-05	2.92E-06	2.28E-07	3.14E-06
1872	437757.44	3725395.75	3.35E-05	6.72E-06	4.02E-05	6.61E-06	8.43E-07	7.45E-06	3.56E-05	3.91E-06	3.95E-05	3.66E-06	2.86E-07	3.95E-06
1873	437762.63	3725405.96	2.73E-05	5.48E-06	3.28E-05	5.40E-06	6.89E-07	6.09E-06	2.90E-05	3.20E-06	3.22E-05	2.99E-06	2.33E-07	3.22E-06
1874	437763.45	3725416.51	2.38E-05	4.78E-06	2.86E-05	4.71E-06	6.01E-07	5.31E-06	2.53E-05	2.79E-06	2.81E-05	2.61E-06	2.04E-07	2.81E-06
1875	437759.92	3725427.41	2.17E-05	4.36E-06	2.61E-05	4.29E-06	5.47E-07	4.83E-06	2.31E-05	2.54E-06	2.56E-05	2.37E-06	1.85E-07	2.56E-06
1876	437764.13	3725388.5	3.24E-05	6.51E-06	3.89E-05	6.40E-06	8.17E-07	7.22E-06	3.44E-05	3.79E-06	3.82E-05	3.55E-06	2.77E-07	3.82E-06
1877	437769.66	3725399.39	2.65E-05	5.32E-06	3.18E-05	5.24E-06	6.68E-07	5.91E-06	2.82E-05	3.10E-06	3.13E-05	2.90E-06	2.27E-07	3.13E-06
1878	437773.3	3725416.1	2.13E-05	4.27E-06	2.56E-05	4.21E-06	5.37E-07	4.74E-06	2.26E-05	2.49E-06	2.51E-05	2.33E-06	1.82E-07	2.51E-06
1879	437769.54	3725427.72	1.96E-05	3.93E-06	2.35E-05	3.87E-06	4.94E-07	4.37E-06	2.08E-05	2.29E-06	2.31E-05	2.14E-06	1.67E-07	2.31E-06
1880	437770.75	3725381.14	3.08E-05	6.19E-06	3.70E-05	6.09E-06	7.77E-07	6.87E-06	3.27E-05	3.61E-06	3.64E-05	3.37E-06	2.63E-07	3.64E-06
1881	437776.51	3725392.49	2.55E-05	5.12E-06	3.06E-05	5.04E-06	6.43E-07	5.68E-06	2.71E-05	2.98E-06	3.01E-05	2.79E-06	2.18E-07	3.01E-06
1882	437782.28	3725403.83	2.13E-05	4.28E-06	2.56E-05	4.21E-06	5.37E-07	4.75E-06	2.26E-05	2.49E-06	2.51E-05	2.33E-06	1.82E-07	2.51E-06
1883	437783.2	3725415.56	1.90E-05	3.81E-06	2.28E-05	3.76E-06	4.79E-07	4.23E-06	2.02E-05	2.22E-06	2.24E-05	2.08E-06	1.62E-07	2.24E-06
1884	437777.35	3725373.71	2.90E-05	5.83E-06	3.49E-05	5.73E-06	7.32E-07	6.47E-06	3.08E-05	3.39E-06	3.42E-05	3.18E-06	2.48E-07	3.42E-06
1885	437783.27	3725385.38	2.42E-05	4.86E-06	2.91E-05	4.79E-06	6.11E-07	5.40E-06	2.58E-05	2.84E-06	2.86E-05	2.65E-06	2.07E-07	2.86E-06
1886	437789.2	3725397.05	2.04E-05	4.10E-06	2.45E-05	4.03E-06	5.14E-07	4.55E-06	2.17E-05	2.39E-06	2.41E-05	2.23E-06	1.74E-07	2.41E-06
1887	437785.04	3725439.85	1.49E-05	2.99E-06	1.79E-05	2.95E-06	3.76E-07	3.32E-06	1.58E-05	1.74E-06	1.76E-05	1.63E-06	1.27E-07	1.76E-06
1888	437783.92	3725366.25	2.71E-05	5.43E-06	3.25E-05	5.35E-06	6.82E-07	6.03E-06	2.88E-05	3.17E-06	3.19E-05	2.96E-06	2.31E-07	3.19E-06
1889	437789.97	3725378.16	2.29E-05	4.59E-06	2.75E-05	4.52E-06	5.76E-07	5.09E-06	2.43E-05	2.67E-06	2.70E-05	2.50E-06	1.95E-07	2.70E-06
1890	437796.02	3725390.07	1.94E-05	3.89E-06	2.33E-05	3.83E-06	4.89E-07	4.32E-06	2.06E-05	2.27E-06	2.29E-05	2.12E-06	1.66E-07	2.29E-06
1891	437798.92	3725427.01	1.45E-05	2.91E-06	1.74E-05	2.86E-06	3.65E-07	3.22E-06	1.54E-05	1.69E-06	1.71E-05	1.58E-06	1.24E-07	1.71E-06
1892	437794.79	3725439.72	1.36E-05	2.74E-06	1.64E-05	2.69E-06	3.44E-07	3.04E-06	1.45E-05	1.60E-06	1.61E-05	1.49E-06	1.17E-07	1.61E-06
1893	437790.48	3725358.75	2.50E-05	5.02E-06	3.00E-05	4.94E-06	6.31E-07	5.57E-06	2.66E-05	2.93E-06	2.95E-05	2.74E-06	2.14E-07	2.95E-06
1894	437796.63	3725370.85	2.14E-05	4.30E-06	2.57E-05	4.23E-06	5.39E-07	4.77E-06	2.27E-05	2.50E-06	2.52E-05	2.34E-06	1.83E-07	2.52E-06
1895	437802.77	3725382.96	1.83E-05	3.67E-06	2.20E-05	3.61E-06	4.61E-07	4.08E-06	1.94E-05	2.14E-06	2.16E-05	2.00E-06	1.56E-07	2.16E-06
1896	437812.97	3725413.62	1.35E-05	2.71E-06	1.62E-05	2.67E-06	3.41E-07	3.01E-06	1.44E-05	1.58E-06	1.59E-05	1.48E-06	1.16E-07	1.59E-06
1897	437808.79	3725426.53	1.31E-05	2.62E-06	1.57E-05	2.58E-06	3.29E-07	2.91E-06	1.39E-05	1.53E-06	1.54E-05	1.43E-06	1.12E-07	1.54E-06
1898	437804.6	3725439.44	1.25E-05	2.50E-06	1.50E-05	2.46E-06	3.14E-07	2.77E-06	1.32E-05	1.46E-06	1.47E-05	1.36E-06	1.06E-07	1.47E-06
1899	437800.41	3725452.35	1.17E-05	2.36E-06	1.41E-05	2.32E-06	2.96E-07	2.62E-06	1.25E-05	1.37E-06	1.38E-05	1.28E-06	1.00E-07	1.38E-06
1900	437797.03	3725351.24	2.31E-05	4.63E-06	2.77E-05	4.56E-06	5.82E-07	5.14E-06	2.45E-05	2.70E-06	2.72E-05	2.52E-06	1.97E-07	2.72E-06
1901	437803.26	3725363.49	1.99E-05	4.00E-06	2.39E-05	3.93E-06	5.02E-07	4.44E-06	2.12E-05	2.33E-06	2.35E-05	2.18E-06	1.70E-07	2.35E-06
1902	437809.48	3725375.75	1.72E-05	3.45E-06	2.07E-05	3.40E-06	4.33E-07	3.83E-06	1.83E-05	2.01E-06	2.03E-05	1.88E-06	1.47E-07	2.03E-06
1903	437821.92	3725400.25	1.30E-05	2.61E-06	1.56E-05	2.57E-06	3.28E-07	2.90E-06	1.38E-05	1.52E-06	1.53E-05	1.42E-06	1.11E-07	1.53E-06
1904	437822.92	3725412.92	1.21E-05	2.43E-06	1.45E-05	2.39E-06	3.05E-07	2.69E-06	1.28E-05	1.41E-06	1.43E-05	1.32E-06	1.03E-07	1.43E-06
1905	437818.68	3725425.99	1.18E-05	2.37E-06	1.42E-05	2.33E-06	2.97E-07	2.63E-06	1.25E-05	1.38E-06	1.39E-05	1.29E-06	1.01E-07	1.39E-06
1906	437814.44	3725439.06	1.14E-05	2.28E-06	1.36E-05	2.24E-06	2.86E-07	2.53E-06	1.21E-05	1.33E-06	1.34E-05	1.24E-06	9.71E-08	1.34E-06
1907	437810.2	3725452.14	1.08E-05	2.17E-06	1.30E-05	2.14E-06	2.73E-07	2.41E-06	1.15E-05	1.27E-06	1.28E-05	1.18E-06	9.24E-08	1.28E-06
1908	437805.96	3725465.21	1.02E-05	2.05E-06	1.23E-05	2.02E-06	2.57E-07	2.27E-06	1.09E-05	1.19E-06	1.20E-05	1.12E-06	8.73E-08	1.20E-06
1909	437803.58	3725343.71	2.12E-05	4.25E-06	2.54E-05	4.18E-06	5.34E-07	4.72E-06	2.25E-05	2.48E-06	2.50E-05	2.32E-06	1.81E-07	2.50E-06
1910	437809.86	3725356.09	1.84E-05	3.70E-06	2.21E-05	3.64E-06	4.65E-07	4.11E-06	1.96E-05	2.16E-06	2.17E-05	2.02E-06	1.58E-07	2.18E-06
1911	437816.15	3725368.47	1.61E-05	3.23E-06	1.93E-05	3.18E-06	4.06E-07	3.58E-06	1.71E-05	1.88E-06	1.90E-05	1.76E-06	1.37E-07	1.90E-06
1912	437828.72	3725393.22	1.23E-05	2.47E-06	1.48E-05	2.43E-06	3.10E-07	2.74E-06	1.31E-05	1.44E-06	1.45E-05	1.35E-06	1.05E-07	1.45E-06
1913	437832.86	3725412.2	1.08E-05	2.18E-06	1.30E-05	2.14E-06	2.73E-07	2.41E-06	1.15E-05	1.27E-06	1.28E-05	1.19E-06	9.26E-08	1.28E-06
1914	437828.58	3725425.41	1.07E-05	2.14E-06	1.28E-05	2.11E-06	2.69E-07	2.38E-06	1.13E-05	1.25E-06	1.26E-05	1.17E-06	9.11E-08	1.26E-06
1915	437824.3	3725438.61	1.04E-05	2.08E-06	1.24E-05	2.05E-06	2.61E-07	2.31E-06	1.10E-05	1.21E-06	1.22E-05	1.13E-06	8.85E-08	1.22E-06
1916	437820.02	3725451.82	9.96E-06	2.00E-06	1.20E-05	1.97E-06	2.51E-07	2.22E-06	1.06E-05	1.16E-06	1.17E-05	1.09E-06	8.51E-08	1.17E-06
1917	437815.74	3725465.02	9.49E-06	1.90E-06	1.14E-05	1.87E-06	2.39E-07	2.11E-06	1.01E-05	1.11E-06	1.12E-05	1.04E-06	8.11E-08	1.12E-06
1918	437816.65	3725328.63	1.75E-05	3.52E-06	2.10E-05	3.46E-06	4.42E-07	3.90E-06	1.86E-05	2.05E-06	2.07E-05	1.92E-06	1.50E-07	2.07E-06
1919	437823.03	3725341.2	1.57E-05	3.14E-06	1.88E-05	3.09E-06	3.95E-07	3.49E-06	1.66E-05	1.83E-06	1.85E-05	1.71E-06	1.34E-07	1.85E-06
1920	437829.41	3725353.76	1.39E-05	2.80E-06	1.67E-05	2.75E-06	3.51E-07	3.10E-06	1.48E-05	1.63E-06	1.64E-05	1.52E-06	1.19E-07	1.64E-06
1921	437842.18	3725378.9	1.09E-05	2.19E-06	1.31E-05	2.16E-06	2.75E-07	2.43E-06	1.16E-05	1.28E-06	1.29E-05	1.20E-06	9.34E-08	1.29E-06

1922	437848.56	3725391.47	9.74E-06	1.95E-06	1.17E-05	1.92E-06	2.45E-07	2.17E-06	1.03E-05	1.14E-06	1.15E-05	1.07E-06	8.32E-08	1.15E-06
1923	437852.77	3725410.74	8.77E-06	1.76E-06	1.05E-05	1.73E-06	2.21E-07	1.95E-06	9.31E-06	1.03E-06	1.03E-05	9.59E-07	7.49E-08	1.03E-06
1924	437848.42	3725424.15	8.74E-06	1.75E-06	1.05E-05	1.73E-06	2.20E-07	1.95E-06	9.28E-06	1.02E-06	1.03E-05	9.56E-07	7.46E-08	1.03E-06
1925	437844.08	3725437.56	8.61E-06	1.73E-06	1.03E-05	1.70E-06	2.17E-07	1.92E-06	9.15E-06	1.01E-06	1.02E-05	9.42E-07	7.35E-08	1.02E-06
1926	437831.04	3725477.78	7.81E-06	1.57E-06	9.38E-06	1.54E-06	1.97E-07	1.74E-06	8.30E-06	9.14E-07	9.21E-06	8.55E-07	6.67E-08	9.21E-07
1927	437829.71	3725313.52	1.44E-05	2.89E-06	1.73E-05	2.85E-06	3.63E-07	3.21E-06	1.53E-05	1.69E-06	1.70E-05	1.58E-06	1.23E-07	1.70E-06
1928	437836.16	3725326.23	1.32E-05	2.65E-06	1.58E-05	2.61E-06	3.32E-07	2.94E-06	1.40E-05	1.54E-06	1.56E-05	1.44E-06	1.13E-07	1.56E-06
1929	437842.62	3725338.94	1.20E-05	2.40E-06	1.44E-05	2.36E-06	3.01E-07	2.66E-06	1.27E-05	1.40E-06	1.41E-05	1.31E-06	1.02E-07	1.41E-06
1930	437855.52	3725364.35	9.62E-06	1.93E-06	1.15E-05	1.90E-06	2.42E-07	2.14E-06	1.02E-05	1.12E-06	1.13E-05	1.05E-06	8.22E-08	1.13E-06
1931	437861.98	3725377.06	8.66E-06	1.74E-06	1.04E-05	1.71E-06	2.18E-07	1.93E-06	9.20E-06	1.01E-06	1.02E-05	9.47E-07	7.40E-08	1.02E-06
1932	437868.43	3725389.77	7.81E-06	1.57E-06	9.38E-06	1.54E-06	1.97E-07	1.74E-06	8.30E-06	9.14E-07	9.21E-06	8.55E-07	6.67E-08	9.21E-07
1933	437872.68	3725409.25	7.15E-06	1.44E-06	8.59E-06	1.41E-06	1.80E-07	1.59E-06	7.60E-06	8.37E-07	8.44E-06	7.83E-07	6.11E-08	8.44E-07
1934	437859.5	3725449.93	7.09E-06	1.42E-06	8.51E-06	1.40E-06	1.79E-07	1.58E-06	7.53E-06	8.29E-07	8.36E-06	7.75E-07	6.05E-08	8.36E-07
1935	437855.1	3725463.48	6.94E-06	1.39E-06	8.33E-06	1.37E-06	1.75E-07	1.55E-06	7.37E-06	8.12E-07	8.18E-06	7.59E-07	5.93E-08	8.19E-07
1936	437850.71	3725477.04	6.74E-06	1.35E-06	8.10E-06	1.33E-06	1.70E-07	1.50E-06	7.16E-06	7.88E-07	7.95E-06	7.38E-07	5.76E-08	7.95E-07
1937	437846.31	3725490.6	6.49E-06	1.30E-06	7.79E-06	1.28E-06	1.64E-07	1.45E-06	6.89E-06	7.59E-07	7.65E-06	7.10E-07	5.54E-08	7.65E-07
1938	437842.76	3725298.4	1.20E-05	2.41E-06	1.44E-05	2.38E-06	3.03E-07	2.68E-06	1.28E-05	1.41E-06	1.42E-05	1.32E-06	1.03E-07	1.42E-06
1939	437849.27	3725311.21	1.12E-05	2.25E-06	1.35E-05	2.22E-06	2.83E-07	2.50E-06	1.19E-05	1.31E-06	1.32E-05	1.23E-06	9.58E-08	1.32E-06
1940	437855.78	3725324.03	1.03E-05	2.07E-06	1.24E-05	2.04E-06	2.60E-07	2.30E-06	1.10E-05	1.21E-06	1.22E-05	1.13E-06	8.83E-08	1.22E-06
1941	437868.79	3725349.65	8.51E-06	1.71E-06	1.02E-05	1.68E-06	2.14E-07	1.89E-06	9.04E-06	9.95E-07	1.00E-05	9.31E-07	7.27E-08	1.00E-06
1942	437875.3	3725362.47	7.71E-06	1.55E-06	9.26E-06	1.52E-06	1.94E-07	1.72E-06	8.19E-06	9.02E-07	9.09E-06	8.44E-07	6.59E-08	9.09E-07
1943	437881.81	3725375.28	7.00E-06	1.40E-06	8.41E-06	1.38E-06	1.76E-07	1.56E-06	7.44E-06	8.19E-07	8.26E-06	7.66E-07	5.98E-08	8.26E-07
1944	437888.31	3725388.1	6.35E-06	1.28E-06	7.63E-06	1.26E-06	1.60E-07	1.42E-06	6.75E-06	7.43E-07	7.49E-06	6.95E-07	5.43E-08	7.49E-07
1945	437888.17	3725421.42	5.98E-06	1.20E-06	7.18E-06	1.18E-06	1.51E-07	1.33E-06	6.35E-06	6.99E-07	7.05E-06	6.54E-07	5.11E-08	7.05E-07
1946	437879.31	3725448.76	5.99E-06	1.20E-06	7.20E-06	1.18E-06	1.51E-07	1.33E-06	6.37E-06	7.01E-07	7.07E-06	6.56E-07	5.12E-08	7.07E-07
1947	437874.88	3725462.43	5.93E-06	1.19E-06	7.12E-06	1.17E-06	1.49E-07	1.32E-06	6.30E-06	6.93E-07	6.99E-06	6.49E-07	5.06E-08	6.99E-07
1948	437855.81	3725283.26	1.00E-05	2.01E-06	1.20E-05	1.98E-06	2.53E-07	2.23E-06	1.07E-05	1.17E-06	1.18E-05	1.10E-06	8.57E-08	1.18E-06
1949	437862.36	3725296.16	9.54E-06	1.91E-06	1.15E-05	1.88E-06	2.40E-07	2.12E-06	1.01E-05	1.12E-06	1.12E-05	1.04E-06	8.15E-08	1.12E-06
1950	437868.91	3725309.06	8.92E-06	1.79E-06	1.07E-05	1.76E-06	2.25E-07	1.99E-06	9.47E-06	1.04E-06	1.05E-05	9.75E-07	7.62E-08	1.05E-06
1951	437882.01	3725334.86	7.60E-06	1.52E-06	9.12E-06	1.50E-06	1.91E-07	1.69E-06	8.07E-06	8.88E-07	8.96E-06	8.31E-07	6.49E-08	8.96E-07
1952	437888.56	3725347.76	6.92E-06	1.39E-06	8.31E-06	1.37E-06	1.74E-07	1.54E-06	7.35E-06	8.09E-07	8.16E-06	7.57E-07	5.91E-08	8.16E-07
1953	437895.11	3725360.65	6.34E-06	1.27E-06	7.61E-06	1.25E-06	1.60E-07	1.41E-06	6.73E-06	7.41E-07	7.48E-06	6.94E-07	5.42E-08	7.48E-07
1954	437901.66	3725373.55	5.82E-06	1.17E-06	6.99E-06	1.15E-06	1.47E-07	1.30E-06	6.18E-06	6.81E-07	6.86E-06	6.37E-07	4.97E-08	6.86E-07
1955	437912.53	3725406.23	4.95E-06	9.92E-07	5.94E-06	9.77E-07	1.25E-07	1.10E-06	5.25E-06	5.78E-07	5.83E-06	5.41E-07	4.22E-08	5.83E-07
1956	437908.07	3725419.99	5.00E-06	1.00E-06	6.00E-06	9.87E-07	1.26E-07	1.11E-06	5.31E-06	5.85E-07	5.89E-06	5.47E-07	4.27E-08	5.89E-07
1957	437903.61	3725433.75	5.05E-06	1.01E-06	6.06E-06	9.97E-07	1.27E-07	1.12E-06	5.36E-06	5.90E-07	5.95E-06	5.52E-07	4.31E-08	5.95E-07
1958	437881.3	3725502.56	4.81E-06	9.65E-07	5.77E-06	9.50E-07	1.21E-07	1.07E-06	5.11E-06	5.62E-07	5.67E-06	5.26E-07	4.11E-08	5.67E-07
1959	437876.84	3725516.32	4.66E-06	9.35E-07	5.60E-06	9.21E-07	1.17E-07	1.04E-06	4.95E-06	5.45E-07	5.50E-06	5.10E-07	3.98E-08	5.50E-07
1960	437868.85	3725268.12	8.37E-06	1.68E-06	1.01E-05	1.65E-06	2.11E-07	1.87E-06	8.90E-06	9.79E-07	9.88E-06	9.16E-07	7.15E-08	9.88E-07
1961	437875.43	3725281.09	8.07E-06	1.62E-06	9.69E-06	1.59E-06	2.03E-07	1.80E-06	8.57E-06	9.44E-07	9.51E-06	8.83E-07	6.89E-08	9.52E-07
1962	437882.02	3725294.05	7.67E-06	1.54E-06	9.21E-06	1.52E-06	1.93E-07	1.71E-06	8.15E-06	8.97E-07	9.05E-06	8.40E-07	6.56E-08	9.05E-07
1963	437895.19	3725319.99	6.76E-06	1.36E-06	8.12E-06	1.34E-06	1.70E-07	1.51E-06	7.18E-06	7.91E-07	7.98E-06	7.40E-07	5.78E-08	7.98E-07
1964	437901.77	3725332.95	6.28E-06	1.26E-06	7.54E-06	1.24E-06	1.58E-07	1.40E-06	6.67E-06	7.35E-07	7.41E-06	6.87E-07	5.37E-08	7.41E-07
1965	437908.36	3725345.92	5.81E-06	1.17E-06	6.97E-06	1.15E-06	1.46E-07	1.29E-06	6.17E-06	6.79E-07	6.85E-06	6.35E-07	4.96E-08	6.85E-07
1966	437914.94	3725358.89	5.36E-06	1.08E-06	6.44E-06	1.06E-06	1.35E-07	1.19E-06	5.70E-06	6.27E-07	6.33E-06	5.87E-07	4.58E-08	6.33E-07
1967	437928.11	3725384.82	4.55E-06	9.13E-07	5.46E-06	8.98E-07	1.15E-07	1.01E-06	4.83E-06	5.32E-07	5.36E-06	4.98E-07	3.88E-08	5.36E-07
1968	437932.46	3725404.7	4.24E-06	8.50E-07	5.09E-06	8.37E-07	1.07E-07	9.44E-07	4.50E-06	4.96E-07	5.00E-06	4.64E-07	3.62E-08	5.00E-07
1969	437927.97	3725418.54	4.26E-06	8.54E-07	5.11E-06	8.41E-07	1.07E-07	9.48E-07	4.52E-06	4.98E-07	5.02E-06	4.66E-07	3.64E-08	5.02E-07
1970	437923.49	3725432.37	4.29E-06	8.60E-07	5.15E-06	8.47E-07	1.08E-07	9.55E-07	4.55E-06	5.01E-07	5.05E-06	4.69E-07	3.66E-08	5.06E-07
1971	437919	3725446.21	4.30E-06	8.63E-07	5.16E-06	8.50E-07	1.08E-07	9.58E-07	4.57E-06	5.03E-07	5.07E-06	4.71E-07	3.67E-08	5.07E-07
1972	437910.03	3725473.88	4.33E-06	8.68E-07	5.19E-06	8.54E-07	1.09E-07	9.63E-07	4.59E-06	5.06E-07	5.10E-06	4.73E-07	3.69E-08	5.10E-07
1973	437905.55	3725487.71	4.28E-06	8.59E-07	5.14E-06	8.46E-07	1.08E-07	9.54E-07	4.55E-06	5.01E-07	5.05E-06	4.69E-07	3.66E-08	5.05E-07
1974	437901.06	3725501.54	4.21E-06	8.45E-07	5.06E-06	8.32E-07	1.06E-07	9.38E-07	4.48E-06	4.93E-07	4.97E-06	4.61E-07	3.60E-08	4.97E-07
1975	437896.58	3725515.38	4.12E-06	8.26E-07	4.95E-06	8.14E-07	1.04E-07	9.17E-07	4.38E-06	4.82E-07	4.86E-06	4.51E-07	3.52E-08	4.86E-07
1976	437892.09	3725529.21	4.00E-06	8.03E-07	4.81E-06	7.91E-07	1.01E-07	8.92E-07	4.25E-06	4.68E-07	4.72E-06	4.38E-07	3.42E-08	4.72E-07
1977	437881.89	3725252.97	7.02E-06	1.41E-06	8.43E-06	1.39E-06	1.77E-07	1.56E-06	7.46E-06	8.21E-07	8.28E-06	7.68E-07	6.00E-08	8.28E-07
1978	437888.5	3725265.99	6.88E-06	1.38E-06	8.26E-06	1.36E-06	1.73E-07	1.53E-06	7.31E-06	8.04E-07	8.11E-06	7.52E-07	5.88E-08	8.11E-07
1979	437895.12	3725279.02	6.63E-06	1.33E-06	7.96E-06	1.31E-06	1.67E-07	1.48E-06	7.04E-06	7.75E-07	7.81E-06	7.25E-07	5.66E-08	7.81E-07
1980	437908.34	3725305.06	5.99E-06	1.20E-06	7.20E-06	1.18E-06	1.51E-07	1.33E-06	6.37E-06	7.01E-07	7.07E-06	6.56E-07	5.12E-08	7.07E-07
1981	437914.96	3725318.09	5.65E-06	1.13E-06	6.78E-06	1.12E-06	1.42E-07	1.26E-06	6.00E-06	6.60E-07	6.66E-06	6.18E-07	4.82E-08	6.66E-07
1982	437921.57	3725331.11	5.29E-06	1.06E-06	6.35E-06	1.04E-06	1.33E-07	1.18E-06	5.62E-06	6.18E-07	6.24E-06	5.79E-07	4.52E-08	6.24E-07
1983	437928.18	3725344.13	4.92E-06	9.88E-07	5.91E-06	9.73E-07	1.24E-07	1.10E-06	5.23E-06	5.76E-07	5.81E-06	5.39E-07	4.21E-08	5.81E-07
1984	437941.41	3725370.18	4.25E-06	8.52E-07	5.10E-06	8.39E-07	1.07E-07	9.46E-07	4.51E-06	4.96E-07	5.01E-06	4.64E-07	3.63E-08	5.01E-07
1985	437948.02	3725383.2	3.94E-06	7.92E-07	4.74E-06	7.79E-07	9.94E-08	8.79E-07	4.19E-06	4.61E-07	4.65E-06	4.32E-07	3.37E-08	4.65E-07
1986	437952.39	3725403.17	3.69E-06	7.41E-07	4.43E-06	7.29E-07	9.30E-08	8.22E-07	3.92E-06	4.32E-07	4.35E-06	4.04E-07	3.15E-08	4.35E-07
1987	437947.88	3725417.07	3.70E-06	7.43E-07	4.44E-06	7.31E-07	9.32E-08	8.24E-07	3.93E-06	4.33E-07	4.36E-06	4.05E-07	3.16E-08	4.36E-07
1988	437943.38	3725430.96	3.73E-06	7.48E-07	4.48E-06	7.37E-07	9.40E-08	8.30E-07	3.96E-06	4.36E-07	4.40E-06	4.08E-07	3.19E-08	4.40E-07
1989	437938.87	3725444.86	3.75E-06	7.52E-07	4.50E-06	7.40E-07	9.44E-08	8.34E-07	3.98E-06	4.38E-07	4.42E-06	4.10E-07	3.20E-08	4.42E-07
1990	437934.37	3725458.75	3.75E-06	7.52E-07	4.50E-06	7.40E-07	9.45E-08	8.35E-07	3.98E-06	4.38E-07	4.42E-06	4.10E-07	3.20E-08	4.42E-07
1991	437925.36	3725486.54	3.73E-06	7.48E-07	4.47E-06	7.36E-07	9.39E-08	8.30E-07	3.96E-06	4.36E-07	4.39E-06	4.08E-07	3.18E-08	4.39E-07
1992	437920.85	3725500.43	3.69E-06	7.40E-07	4.43E-06	7.29E-07	9.30E-08	8.22E-07	3.92E-06	4.31E-07	4.35E-06	4.04E-07	3.15E-08	4.35E-07
1993	437916.35	3725514.33	3.64E-06	7.30E-07	4.37E-06	7.18E-07	9.16E-08	8.10E-07	3.86E-06	4.25E-07	4.29E-06	3.98E-07	3.11E-08	4.29E-07
1994	437911.85	3725528.22	3.56E-06	7.15E-07	4.28E-06	7.04E-07	8.98E-08	7.94E-07	3.79E-06	4.17E-07	4.20E-06	3.90E-07	3.04E-08	4.20E-07
1995	437894.93	3725237.82	5.94E-06	1.19E-06	7.13E-06	1.17E-06	1.50E-07	1.32E-06	6.31E-06	6.95E-07	7.00E-06	6.50E-07	5.07E-08	7.01E-07
1996	437901.56	3725250.89	5.87E-06	1.18E-06	7.05E-06	1.16E-06	1.48E-07	1.31E-06	6.24E-06	6.87E-07	6.92E-06	6.42E-07	5.02E-08	6.92E-07
1997	437908.2	3725263.96	5.74E-06	1.15E-06	6.90E-06	1.13E-06	1.45E-07	1.28E-06	6.10E-06	6.72E-07	6.77E-06	6.28E-07	4.91E-08	6.77E-07
1998	437921.48	3725290.1	5.31E-06	1.07E-06	6.37E-06	1.05E-06	1.34E-07	1.18E-06	5.64E-06	6.21E-07	6.26E-06	5.81E-07	4.53E-08	6.26E-07

1999	437928.11	3725303.17	5.05E-06	1.01E-06	6.07E-06	9.98E-07	1.27E-07	1.13E-06	5.37E-06	5.91E-07	5.96E-06	5.53E-07	4.31E-08	5.96E-07
2000	437934.75	3725316.24	4.78E-06	9.59E-07	5.74E-06	9.44E-07	1.20E-07	1.06E-06	5.08E-06	5.59E-07	5.64E-06	5.23E-07	4.08E-08	5.64E-07
2001	437941.39	3725329.31	4.50E-06	9.04E-07	5.41E-06	8.89E-07	1.13E-07	1.00E-06	4.78E-06	5.27E-07	5.31E-06	4.93E-07	3.85E-08	5.31E-07
2002	437954.66	3725355.45	3.94E-06	7.91E-07	4.73E-06	7.78E-07	9.93E-08	8.77E-07	4.18E-06	4.61E-07	4.65E-06	4.31E-07	3.37E-08	4.65E-07
2003	437961.3	3725368.52	3.69E-06	7.40E-07	4.43E-06	7.29E-07	9.30E-08	8.22E-07	3.92E-06	4.31E-07	4.35E-06	4.04E-07	3.15E-08	4.35E-07
2004	437967.94	3725381.59	3.46E-06	6.95E-07	4.16E-06	6.84E-07	8.73E-08	7.71E-07	3.68E-06	4.05E-07	4.08E-06	3.79E-07	2.96E-08	4.08E-07
2005	437972.32	3725401.64	3.26E-06	6.55E-07	3.92E-06	6.45E-07	8.22E-08	7.27E-07	3.47E-06	3.82E-07	3.85E-06	3.57E-07	2.79E-08	3.85E-07
2006	437967.8	3725415.58	3.27E-06	6.56E-07	3.93E-06	6.46E-07	8.24E-08	7.29E-07	3.48E-06	3.83E-07	3.86E-06	3.58E-07	2.79E-08	3.86E-07
2007	437963.27	3725429.53	3.28E-06	6.59E-07	3.94E-06	6.48E-07	8.27E-08	7.31E-07	3.49E-06	3.84E-07	3.87E-06	3.59E-07	2.80E-08	3.87E-07
2008	437958.75	3725443.47	3.29E-06	6.60E-07	3.95E-06	6.50E-07	8.29E-08	7.33E-07	3.49E-06	3.85E-07	3.88E-06	3.60E-07	2.81E-08	3.88E-07
2009	437954.23	3725457.41	3.28E-06	6.58E-07	3.94E-06	6.48E-07	8.27E-08	7.31E-07	3.49E-06	3.84E-07	3.87E-06	3.59E-07	2.80E-08	3.87E-07
2010	437949.71	3725471.36	3.27E-06	6.55E-07	3.92E-06	6.45E-07	8.23E-08	7.27E-07	3.47E-06	3.82E-07	3.85E-06	3.57E-07	2.79E-08	3.85E-07
2011	437940.67	3725499.25	3.24E-06	6.49E-07	3.89E-06	6.39E-07	8.16E-08	7.21E-07	3.44E-06	3.79E-07	3.82E-06	3.54E-07	2.76E-08	3.82E-07
2012	437936.15	3725513.19	3.21E-06	6.44E-07	3.86E-06	6.34E-07	8.09E-08	7.15E-07	3.41E-06	3.76E-07	3.79E-06	3.51E-07	2.74E-08	3.79E-07
2013	437931.63	3725527.14	3.17E-06	6.37E-07	3.81E-06	6.27E-07	8.00E-08	7.07E-07	3.37E-06	3.71E-07	3.74E-06	3.47E-07	2.71E-08	3.74E-07
2014	437907.96	3725222.66	5.07E-06	1.02E-06	6.08E-06	1.00E-06	1.28E-07	1.13E-06	5.38E-06	5.92E-07	5.97E-06	5.54E-07	4.33E-08	5.97E-07
2015	437914.62	3725235.77	5.04E-06	1.01E-06	6.05E-06	9.96E-07	1.27E-07	1.12E-06	5.35E-06	5.89E-07	5.94E-06	5.51E-07	4.31E-08	5.94E-07
2016	437921.28	3725248.88	4.97E-06	9.98E-07	5.97E-06	9.82E-07	1.25E-07	1.11E-06	5.28E-06	5.81E-07	5.86E-06	5.44E-07	4.25E-08	5.86E-07
2017	437934.59	3725275.1	4.69E-06	9.42E-07	5.63E-06	9.27E-07	1.18E-07	1.05E-06	4.98E-06	5.49E-07	5.53E-06	5.13E-07	4.01E-08	5.53E-07
2018	437941.25	3725288.21	4.51E-06	9.05E-07	5.42E-06	8.91E-07	1.14E-07	1.00E-06	4.79E-06	5.28E-07	5.32E-06	4.94E-07	3.85E-08	5.32E-07
2019	437947.91	3725301.32	4.31E-06	8.66E-07	5.18E-06	8.52E-07	1.09E-07	9.61E-07	4.58E-06	5.04E-07	5.09E-06	4.72E-07	3.68E-08	5.09E-07
2020	437954.57	3725314.43	4.09E-06	8.21E-07	4.91E-06	8.08E-07	1.03E-07	9.11E-07	4.35E-06	4.78E-07	4.82E-06	4.48E-07	3.50E-08	4.83E-07
2021	437967.88	3725340.66	3.64E-06	7.30E-07	4.37E-06	7.18E-07	9.17E-08	8.10E-07	3.86E-06	4.25E-07	4.29E-06	3.98E-07	3.11E-08	4.29E-07
2022	437974.54	3725353.77	3.42E-06	6.87E-07	4.11E-06	6.76E-07	8.62E-08	7.62E-07	3.64E-06	4.00E-07	4.04E-06	3.74E-07	2.92E-08	4.04E-07
2023	437981.2	3725366.88	3.23E-06	6.49E-07	3.88E-06	6.38E-07	8.14E-08	7.20E-07	3.43E-06	3.78E-07	3.81E-06	3.54E-07	2.76E-08	3.81E-07
2024	437987.86	3725379.99	3.05E-06	6.11E-07	3.66E-06	6.02E-07	7.68E-08	6.79E-07	3.24E-06	3.56E-07	3.59E-06	3.33E-07	2.60E-08	3.59E-07
2025	437992.25	3725400.09	2.88E-06	5.78E-07	3.46E-06	5.69E-07	7.26E-08	6.42E-07	3.06E-06	3.37E-07	3.40E-06	3.15E-07	2.46E-08	3.40E-07
2026	437987.71	3725414.08	2.90E-06	5.82E-07	3.49E-06	5.73E-07	7.32E-08	6.47E-07	3.08E-06	3.39E-07	3.42E-06	3.18E-07	2.48E-08	3.42E-07
2027	437983.18	3725428.07	2.91E-06	5.84E-07	3.50E-06	5.75E-07	7.34E-08	6.48E-07	3.09E-06	3.40E-07	3.43E-06	3.18E-07	2.49E-08	3.43E-07
2028	437978.64	3725442.06	2.91E-06	5.85E-07	3.50E-06	5.75E-07	7.34E-08	6.49E-07	3.09E-06	3.41E-07	3.44E-06	3.19E-07	2.49E-08	3.44E-07
2029	437974.11	3725456.05	2.90E-06	5.82E-07	3.48E-06	5.73E-07	7.31E-08	6.46E-07	3.08E-06	3.39E-07	3.42E-06	3.18E-07	2.48E-08	3.42E-07
2030	437969.57	3725470.03	2.89E-06	5.79E-07	3.47E-06	5.70E-07	7.27E-08	6.43E-07	3.07E-06	3.37E-07	3.40E-06	3.16E-07	2.47E-08	3.40E-07
2031	437965.04	3725484.02	2.87E-06	5.77E-07	3.45E-06	5.68E-07	7.24E-08	6.40E-07	3.05E-06	3.36E-07	3.39E-06	3.14E-07	2.45E-08	3.39E-07
2032	437955.97	3725512	2.84E-06	5.70E-07	3.41E-06	5.61E-07	7.16E-08	6.33E-07	3.02E-06	3.32E-07	3.35E-06	3.11E-07	2.43E-08	3.35E-07
2033	437951.44	3725525.99	2.83E-06	5.67E-07	3.39E-06	5.58E-07	7.12E-08	6.30E-07	3.00E-06	3.31E-07	3.33E-06	3.09E-07	2.41E-08	3.33E-07
2034	437946.9	3725539.97	2.80E-06	5.62E-07	3.36E-06	5.53E-07	7.05E-08	6.23E-07	2.97E-06	3.27E-07	3.30E-06	3.06E-07	2.39E-08	3.30E-07
2035	437927.67	3725220.64	4.34E-06	8.71E-07	5.21E-06	8.58E-07	1.09E-07	9.67E-07	4.61E-06	5.08E-07	5.12E-06	4.75E-07	3.71E-08	5.12E-07
2036	437934.35	3725233.79	4.31E-06	8.65E-07	5.17E-06	8.51E-07	1.09E-07	9.60E-07	4.58E-06	5.04E-07	5.08E-06	4.71E-07	3.68E-08	5.08E-07
2037	437947.7	3725260.08	4.14E-06	8.31E-07	4.97E-06	8.17E-07	1.04E-07	9.22E-07	4.40E-06	4.84E-07	4.88E-06	4.53E-07	3.54E-08	4.88E-07
2038	437954.37	3725273.23	4.01E-06	8.05E-07	4.82E-06	7.93E-07	1.01E-07	8.94E-07	4.26E-06	4.69E-07	4.73E-06	4.39E-07	3.43E-08	4.73E-07
2039	437961.05	3725286.37	3.87E-06	7.76E-07	4.64E-06	7.64E-07	9.75E-08	8.61E-07	4.11E-06	4.52E-07	4.56E-06	4.23E-07	3.30E-08	4.56E-07
2040	437967.72	3725299.52	3.71E-06	7.44E-07	4.45E-06	7.32E-07	9.34E-08	8.25E-07	3.94E-06	4.33E-07	4.37E-06	4.05E-07	3.17E-08	4.37E-07
2041	437981.08	3725325.81	3.34E-06	6.71E-07	4.01E-06	6.60E-07	8.43E-08	7.45E-07	3.55E-06	3.91E-07	3.94E-06	3.66E-07	2.86E-08	3.94E-07
2042	437987.75	3725338.96	3.17E-06	6.36E-07	3.81E-06	6.26E-07	7.99E-08	7.06E-07	3.37E-06	3.71E-07	3.74E-06	3.47E-07	2.71E-08	3.74E-07
2043	437994.43	3725352.1	3.00E-06	6.02E-07	3.60E-06	5.93E-07	7.56E-08	6.68E-07	3.19E-06	3.51E-07	3.54E-06	3.28E-07	2.56E-08	3.54E-07
2044	438001.1	3725365.25	2.84E-06	5.69E-07	3.41E-06	5.61E-07	7.15E-08	6.32E-07	3.01E-06	3.32E-07	3.35E-06	3.10E-07	2.42E-08	3.35E-07
2045	438007.78	3725378.39	2.68E-06	5.38E-07	3.22E-06	5.29E-07	6.75E-08	5.97E-07	2.85E-06	3.13E-07	3.16E-06	2.93E-07	2.29E-08	3.16E-07
2046	438012.18	3725398.55	2.55E-06	5.11E-07	3.06E-06	5.03E-07	6.42E-08	5.67E-07	2.71E-06	2.98E-07	3.00E-06	2.79E-07	2.18E-08	3.00E-07
2047	438007.63	3725412.58	2.57E-06	5.17E-07	3.09E-06	5.08E-07	6.49E-08	5.73E-07	2.73E-06	3.01E-07	3.04E-06	2.82E-07	2.20E-08	3.04E-07
2048	438003.09	3725426.6	2.58E-06	5.18E-07	3.10E-06	5.10E-07	6.50E-08	5.75E-07	2.74E-06	3.02E-07	3.04E-06	2.82E-07	2.21E-08	3.04E-07
2049	437998.54	3725440.63	2.58E-06	5.18E-07	3.10E-06	5.10E-07	6.51E-08	5.75E-07	2.74E-06	3.02E-07	3.04E-06	2.82E-07	2.21E-08	3.05E-07
2050	437993.99	3725454.65	2.58E-06	5.17E-07	3.09E-06	5.09E-07	6.49E-08	5.74E-07	2.74E-06	3.01E-07	3.04E-06	2.82E-07	2.20E-08	3.04E-07
2051	437989.45	3725468.68	2.56E-06	5.15E-07	3.08E-06	5.07E-07	6.46E-08	5.71E-07	2.72E-06	3.00E-07	3.02E-06	2.81E-07	2.19E-08	3.02E-07
2052	437984.9	3725482.7	2.55E-06	5.12E-07	3.07E-06	5.04E-07	6.43E-08	5.69E-07	2.71E-06	2.99E-07	3.01E-06	2.79E-07	2.18E-08	3.01E-07
2053	437980.35	3725496.73	2.54E-06	5.10E-07	3.05E-06	5.02E-07	6.41E-08	5.66E-07	2.70E-06	2.97E-07	3.00E-06	2.78E-07	2.17E-08	3.00E-07
2054	437971.26	3725524.78	2.52E-06	5.05E-07	3.02E-06	4.98E-07	6.35E-08	5.61E-07	2.68E-06	2.95E-07	2.97E-06	2.76E-07	2.15E-08	2.97E-07
2055	437966.71	3725538.8	2.50E-06	5.02E-07	3.01E-06	4.94E-07	6.31E-08	5.57E-07	2.66E-06	2.93E-07	2.95E-06	2.74E-07	2.14E-08	2.95E-07
2056	437962.17	3725552.83	2.48E-06	4.98E-07	2.98E-06	4.90E-07	6.25E-08	5.53E-07	2.64E-06	2.90E-07	2.93E-06	2.71E-07	2.12E-08	2.93E-07
2057	437912.05	3725196.12	4.39E-06	8.82E-07	5.28E-06	8.68E-07	1.11E-07	9.79E-07	4.67E-06	5.14E-07	5.18E-06	4.81E-07	3.75E-08	5.18E-07
2058	437959.85	3725243.19	3.67E-06	7.36E-07	4.40E-06	7.24E-07	9.24E-08	8.17E-07	3.89E-06	4.29E-07	4.32E-06	4.01E-07	3.13E-08	4.32E-07
2059	437972.81	3725268.72	3.49E-06	7.00E-07	4.19E-06	6.89E-07	8.79E-08	7.77E-07	3.71E-06	4.08E-07	4.11E-06	3.82E-07	2.98E-08	4.11E-07
2060	437979.3	3725281.48	3.37E-06	6.77E-07	4.05E-06	6.67E-07	8.50E-08	7.52E-07	3.58E-06	3.95E-07	3.98E-06	3.69E-07	2.88E-08	3.98E-07
2061	437992.26	3725307.01	3.12E-06	6.25E-07	3.74E-06	6.15E-07	7.85E-08	6.94E-07	3.31E-06	3.64E-07	3.67E-06	3.41E-07	2.66E-08	3.67E-07
2062	437998.74	3725319.77	2.98E-06	5.98E-07	3.58E-06	5.89E-07	7.51E-08	6.64E-07	3.17E-06	3.48E-07	3.51E-06	3.26E-07	2.55E-08	3.51E-07
2063	438005.22	3725332.54	2.84E-06	5.71E-07	3.41E-06	5.62E-07	7.17E-08	6.33E-07	3.02E-06	3.33E-07	3.35E-06	3.11E-07	2.43E-08	3.35E-07
2064	438011.71	3725345.3	2.71E-06	5.43E-07	3.25E-06	5.34E-07	6.82E-08	6.03E-07	2.87E-06	3.16E-07	3.19E-06	2.96E-07	2.31E-08	3.19E-07
2065	438018.19	3725358.07	2.57E-06	5.16E-07	3.09E-06	5.08E-07	6.48E-08	5.73E-07	2.73E-06	3.01E-07	3.03E-06	2.81E-07	2.20E-08	3.03E-07
2066	438024.67	3725370.83	2.44E-06	4.90E-07	2.93E-06	4.82E-07	6.15E-08	5.44E-07	2.59E-06	2.86E-07	2.88E-06	2.67E-07	2.09E-08	2.88E-07
2067	438031.15	3725383.59	2.32E-06	4.65E-07	2.78E-06	4.58E-07	5.84E-08	5.16E-07	2.46E-06	2.71E-07	2.73E-06	2.54E-07	1.98E-08	2.73E-07
2068	438032.19	3725396.79	2.26E-06	4.54E-07	2.72E-06	4.47E-07	5.70E-08	5.04E-07	2.40E-06	2.65E-07	2.67E-06	2.48E-07	1.93E-08	2.67E-07
2069	438027.77	3725410.4	2.28E-06	4.57E-07	2.74E-06	4.50E-07	5.74E-08	5.07E-07	2.42E-06	2.66E-07	2.69E-06	2.49E-07	1.95E-08	2.69E-07
2070	438023.36	3725424.02	2.29E-06	4.60E-07	2.75E-06	4.53E-07	5.77E-08	5.10E-07	2.43E-06	2.68E-07	2.70E-06	2.51E-07	1.96E-08	2.70E-07
2071	438018.94	3725437.64	2.30E-06	4.61E-07	2.76E-06	4.54E-07	5.79E-08	5.12E-07	2.44E-06	2.69E-07	2.71E-06	2.51E-07	1.96E-08	2.71E-07
2072	438014.53	3725451.26	2.30E-06	4.61E-07	2.76E-06	4.54E-07	5.79E-08	5.12E-07	2.44E-06	2.69E-07	2.71E-06	2.51E-07	1.96E-08	2.71E-07
2073	438010.11	3725464.88	2.29E-06	4.60E-07	2.75E-06	4.53E-07	5.78E-08	5.11E-07	2.44E-06	2.68E-07	2.70E-06	2.51E-07	1.96E-08	2.70E-07
2074	438005.7	3725478.49	2.28E-06	4.58E-07	2.74E-06	4.51E-07	5.76E-08	5.09E-07	2.43E-06	2.67E-07	2.69E-06	2.50E-07	1.95E-08	2.69E-07
2075	438001.28	3725492.11	2.28E-06	4.57E-07	2.74E-06	4.50E-07	5.74E-08	5.07E-07	2.42E-06	2.66E-07	2.69E-06	2.49E-07	1.95E-08	2.69E-07

2076	437996.87	3725505.73	2.27E-06	4.55E-07	2.72E-06	4.48E-07	5.72E-08	5.05E-07	2.41E-06	2.65E-07	2.68E-06	2.48E-07	1.94E-08	2.68E-07
2077	437988.04	3725532.97	2.25E-06	4.51E-07	2.70E-06	4.44E-07	5.66E-08	5.01E-07	2.39E-06	2.63E-07	2.65E-06	2.46E-07	1.92E-08	2.65E-07
2078	437983.62	3725546.58	2.24E-06	4.49E-07	2.69E-06	4.42E-07	5.64E-08	4.98E-07	2.38E-06	2.62E-07	2.64E-06	2.45E-07	1.91E-08	2.64E-07
2079	437979.21	3725560.2	2.23E-06	4.46E-07	2.67E-06	4.39E-07	5.61E-08	4.96E-07	2.36E-06	2.60E-07	2.62E-06	2.43E-07	1.90E-08	2.62E-07
2080	437974.79	3725573.82	2.21E-06	4.43E-07	2.65E-06	4.36E-07	5.57E-08	4.92E-07	2.35E-06	2.58E-07	2.60E-06	2.42E-07	1.89E-08	2.61E-07
2081	437965.96	3725601.06	2.16E-06	4.33E-07	2.59E-06	4.26E-07	5.44E-08	4.81E-07	2.29E-06	2.52E-07	2.54E-06	2.36E-07	1.84E-08	2.54E-07
2082	438005.63	3725272.1	2.81E-06	5.63E-07	3.37E-06	5.55E-07	7.08E-08	6.25E-07	2.98E-06	3.28E-07	3.31E-06	3.07E-07	2.40E-08	3.31E-07
2083	438012.15	3725284.93	2.72E-06	5.45E-07	3.26E-06	5.37E-07	6.85E-08	6.05E-07	2.89E-06	3.18E-07	3.20E-06	2.97E-07	2.32E-08	3.20E-07
2084	438018.67	3725297.77	2.62E-06	5.26E-07	3.15E-06	5.18E-07	6.60E-08	5.84E-07	2.78E-06	3.07E-07	3.09E-06	2.87E-07	2.24E-08	3.09E-07
2085	438025.19	3725310.61	2.52E-06	5.06E-07	3.03E-06	4.98E-07	6.35E-08	5.61E-07	2.68E-06	2.95E-07	2.97E-06	2.76E-07	2.15E-08	2.97E-07
2086	438031.71	3725323.45	2.42E-06	4.85E-07	2.90E-06	4.78E-07	6.10E-08	5.39E-07	2.57E-06	2.83E-07	2.85E-06	2.65E-07	2.07E-08	2.85E-07
2087	438038.23	3725336.28	2.32E-06	4.65E-07	2.78E-06	4.58E-07	5.84E-08	5.16E-07	2.46E-06	2.71E-07	2.73E-06	2.53E-07	1.98E-08	2.73E-07
2088	438044.74	3725349.12	2.22E-06	4.45E-07	2.66E-06	4.38E-07	5.58E-08	4.93E-07	2.35E-06	2.59E-07	2.61E-06	2.42E-07	1.89E-08	2.61E-07
2089	438051.26	3725361.96	2.11E-06	4.24E-07	2.54E-06	4.18E-07	5.33E-08	4.71E-07	2.25E-06	2.47E-07	2.49E-06	2.31E-07	1.81E-08	2.49E-07
2090	438057.78	3725374.8	2.01E-06	4.04E-07	2.41E-06	3.97E-07	5.07E-08	4.48E-07	2.14E-06	2.35E-07	2.37E-06	2.20E-07	1.72E-08	2.37E-07
2091	438062.08	3725394.48	1.92E-06	3.85E-07	2.31E-06	3.79E-07	4.84E-08	4.28E-07	2.04E-06	2.25E-07	2.26E-06	2.10E-07	1.64E-08	2.26E-07
2092	438057.64	3725408.18	1.93E-06	3.88E-07	2.32E-06	3.82E-07	4.87E-08	4.30E-07	2.05E-06	2.26E-07	2.28E-06	2.11E-07	1.65E-08	2.28E-07
2093	438053.2	3725421.87	1.94E-06	3.89E-07	2.33E-06	3.83E-07	4.89E-08	4.32E-07	2.06E-06	2.27E-07	2.29E-06	2.12E-07	1.66E-08	2.29E-07
2094	438048.76	3725435.57	1.95E-06	3.90E-07	2.34E-06	3.84E-07	4.90E-08	4.33E-07	2.07E-06	2.28E-07	2.29E-06	2.13E-07	1.66E-08	2.29E-07
2095	438044.32	3725449.26	1.95E-06	3.92E-07	2.34E-06	3.86E-07	4.92E-08	4.35E-07	2.07E-06	2.28E-07	2.30E-06	2.14E-07	1.67E-08	2.30E-07
2096	438039.88	3725462.96	1.96E-06	3.93E-07	2.35E-06	3.87E-07	4.93E-08	4.36E-07	2.08E-06	2.29E-07	2.31E-06	2.14E-07	1.67E-08	2.31E-07
2097	438035.44	3725476.66	1.96E-06	3.93E-07	2.35E-06	3.87E-07	4.93E-08	4.36E-07	2.08E-06	2.29E-07	2.31E-06	2.14E-07	1.67E-08	2.31E-07
2098	438031	3725490.35	1.95E-06	3.91E-07	2.34E-06	3.85E-07	4.92E-08	4.34E-07	2.07E-06	2.28E-07	2.30E-06	2.13E-07	1.67E-08	2.30E-07
2099	438026.56	3725504.05	1.94E-06	3.90E-07	2.33E-06	3.84E-07	4.89E-08	4.33E-07	2.06E-06	2.27E-07	2.29E-06	2.12E-07	1.66E-08	2.29E-07
2100	438022.12	3725517.74	1.94E-06	3.89E-07	2.33E-06	3.83E-07	4.88E-08	4.32E-07	2.06E-06	2.27E-07	2.28E-06	2.12E-07	1.66E-08	2.29E-07
2101	438008.8	3725558.83	1.92E-06	3.84E-07	2.30E-06	3.78E-07	4.83E-08	4.27E-07	2.03E-06	2.24E-07	2.26E-06	2.10E-07	1.64E-08	2.26E-07
2102	438004.36	3725572.53	1.91E-06	3.83E-07	2.29E-06	3.77E-07	4.81E-08	4.26E-07	2.03E-06	2.23E-07	2.25E-06	2.09E-07	1.63E-08	2.25E-07
2103	437999.92	3725586.22	1.91E-06	3.82E-07	2.29E-06	3.76E-07	4.80E-08	4.24E-07	2.02E-06	2.23E-07	2.25E-06	2.08E-07	1.63E-08	2.25E-07
2104	438031.98	3725262.75	2.37E-06	4.75E-07	2.84E-06	4.68E-07	5.97E-08	5.28E-07	2.52E-06	2.77E-07	2.79E-06	2.59E-07	2.02E-08	2.79E-07
2105	438045.08	3725288.55	2.23E-06	4.47E-07	2.67E-06	4.40E-07	5.61E-08	4.96E-07	2.36E-06	2.60E-07	2.62E-06	2.44E-07	1.90E-08	2.63E-07
2106	438051.63	3725301.45	2.15E-06	4.30E-07	2.58E-06	4.24E-07	5.41E-08	4.78E-07	2.28E-06	2.51E-07	2.53E-06	2.35E-07	1.83E-08	2.53E-07
2107	438058.18	3725314.35	2.06E-06	4.14E-07	2.48E-06	4.07E-07	5.20E-08	4.59E-07	2.19E-06	2.41E-07	2.43E-06	2.26E-07	1.76E-08	2.43E-07
2108	438064.73	3725327.25	1.98E-06	3.97E-07	2.38E-06	3.91E-07	4.99E-08	4.41E-07	2.10E-06	2.32E-07	2.34E-06	2.17E-07	1.69E-08	2.34E-07
2109	438071.28	3725340.14	1.91E-06	3.83E-07	2.29E-06	3.77E-07	4.80E-08	4.25E-07	2.03E-06	2.23E-07	2.25E-06	2.09E-07	1.63E-08	2.25E-07
2110	438077.83	3725353.04	1.83E-06	3.68E-07	2.20E-06	3.62E-07	4.62E-08	4.08E-07	1.95E-06	2.14E-07	2.16E-06	2.00E-07	1.57E-08	2.16E-07
2111	438084.38	3725365.94	1.75E-06	3.52E-07	2.10E-06	3.46E-07	4.41E-08	3.90E-07	1.86E-06	2.05E-07	2.07E-06	1.92E-07	1.50E-08	2.07E-07
2112	438090.93	3725378.84	1.67E-06	3.36E-07	2.01E-06	3.31E-07	4.22E-08	3.73E-07	1.78E-06	1.96E-07	1.97E-06	1.83E-07	1.43E-08	1.97E-07
2113	438091.98	3725392.17	1.65E-06	3.30E-07	1.98E-06	3.25E-07	4.15E-08	3.66E-07	1.75E-06	1.92E-07	1.94E-06	1.80E-07	1.41E-08	1.94E-07
2114	438087.52	3725405.93	1.66E-06	3.33E-07	1.99E-06	3.27E-07	4.18E-08	3.69E-07	1.76E-06	1.94E-07	1.95E-06	1.81E-07	1.42E-08	1.95E-07
2115	438083.06	3725419.69	1.67E-06	3.34E-07	2.00E-06	3.29E-07	4.20E-08	3.71E-07	1.77E-06	1.95E-07	1.97E-06	1.82E-07	1.42E-08	1.97E-07
2116	438078.6	3725433.45	1.67E-06	3.35E-07	2.01E-06	3.30E-07	4.21E-08	3.72E-07	1.77E-06	1.95E-07	1.97E-06	1.83E-07	1.43E-08	1.97E-07
2117	438074.13	3725447.22	1.67E-06	3.36E-07	2.01E-06	3.30E-07	4.22E-08	3.73E-07	1.78E-06	1.96E-07	1.97E-06	1.83E-07	1.43E-08	1.97E-07
2118	438069.67	3725460.98	1.68E-06	3.37E-07	2.02E-06	3.32E-07	4.23E-08	3.74E-07	1.78E-06	1.96E-07	1.98E-06	1.84E-07	1.43E-08	1.98E-07
2119	438065.21	3725474.74	1.68E-06	3.38E-07	2.02E-06	3.33E-07	4.24E-08	3.75E-07	1.79E-06	1.97E-07	1.99E-06	1.84E-07	1.44E-08	1.99E-07
2120	438060.75	3725488.5	1.69E-06	3.38E-07	2.02E-06	3.33E-07	4.25E-08	3.75E-07	1.79E-06	1.97E-07	1.99E-06	1.84E-07	1.44E-08	1.99E-07
2121	438056.29	3725502.26	1.68E-06	3.38E-07	2.02E-06	3.32E-07	4.24E-08	3.75E-07	1.79E-06	1.97E-07	1.98E-06	1.84E-07	1.44E-08	1.98E-07
2122	438051.83	3725516.02	1.68E-06	3.37E-07	2.02E-06	3.32E-07	4.23E-08	3.74E-07	1.78E-06	1.96E-07	1.98E-06	1.84E-07	1.43E-08	1.98E-07
2123	438047.37	3725529.78	1.68E-06	3.36E-07	2.01E-06	3.31E-07	4.22E-08	3.73E-07	1.78E-06	1.96E-07	1.98E-06	1.83E-07	1.43E-08	1.98E-07
2124	438042.9	3725543.55	1.67E-06	3.36E-07	2.01E-06	3.31E-07	4.22E-08	3.73E-07	1.78E-06	1.96E-07	1.97E-06	1.83E-07	1.43E-08	1.97E-07
2125	438029.52	3725584.83	1.67E-06	3.34E-07	2.00E-06	3.29E-07	4.20E-08	3.71E-07	1.77E-06	1.95E-07	1.96E-06	1.82E-07	1.42E-08	1.96E-07
2126	438025.06	3725598.59	1.66E-06	3.33E-07	1.99E-06	3.28E-07	4.18E-08	3.70E-07	1.76E-06	1.94E-07	1.96E-06	1.82E-07	1.42E-08	1.96E-07
2127	438020.6	3725612.35	1.65E-06	3.32E-07	1.98E-06	3.26E-07	4.16E-08	3.68E-07	1.76E-06	1.93E-07	1.95E-06	1.81E-07	1.41E-08	1.95E-07
2128	438011.67	3725639.88	1.62E-06	3.26E-07	1.95E-06	3.20E-07	4.09E-08	3.61E-07	1.72E-06	1.90E-07	1.91E-06	1.77E-07	1.39E-08	1.91E-07
2129	438078.08	3725292.29	1.84E-06	3.70E-07	2.21E-06	3.64E-07	4.64E-08	4.10E-07	1.96E-06	2.15E-07	2.17E-06	2.01E-07	1.57E-08	2.17E-07
2130	438084.66	3725305.24	1.78E-06	3.57E-07	2.14E-06	3.52E-07	4.49E-08	3.97E-07	1.89E-06	2.08E-07	2.10E-06	1.95E-07	1.52E-08	2.10E-07
2131	438091.23	3725318.19	1.72E-06	3.45E-07	2.06E-06	3.40E-07	4.33E-08	3.83E-07	1.83E-06	2.01E-07	2.03E-06	1.88E-07	1.47E-08	2.03E-07
2132	438097.81	3725331.14	1.66E-06	3.32E-07	1.99E-06	3.27E-07	4.18E-08	3.69E-07	1.76E-06	1.94E-07	1.95E-06	1.81E-07	1.42E-08	1.95E-07
2133	438104.39	3725344.09	1.59E-06	3.20E-07	1.91E-06	3.15E-07	4.01E-08	3.55E-07	1.69E-06	1.86E-07	1.88E-06	1.74E-07	1.36E-08	1.88E-07
2134	438110.96	3725357.04	1.53E-06	3.07E-07	1.84E-06	3.02E-07	3.85E-08	3.41E-07	1.62E-06	1.79E-07	1.80E-06	1.67E-07	1.31E-08	1.80E-07
2135	438117.54	3725369.99	1.47E-06	2.94E-07	1.76E-06	2.90E-07	3.70E-08	3.27E-07	1.56E-06	1.72E-07	1.73E-06	1.61E-07	1.25E-08	1.73E-07
2136	438121.88	3725389.85	1.42E-06	2.84E-07	1.70E-06	2.80E-07	3.57E-08	3.15E-07	1.50E-06	1.66E-07	1.67E-06	1.55E-07	1.21E-08	1.67E-07
2137	438117.4	3725403.67	1.43E-06	2.87E-07	1.72E-06	2.83E-07	3.61E-08	3.19E-07	1.52E-06	1.67E-07	1.69E-06	1.57E-07	1.22E-08	1.69E-07
2138	438112.92	3725417.49	1.44E-06	2.89E-07	1.73E-06	2.85E-07	3.63E-08	3.21E-07	1.53E-06	1.69E-07	1.70E-06	1.58E-07	1.23E-08	1.70E-07
2139	438108.44	3725431.31	1.45E-06	2.90E-07	1.74E-06	2.86E-07	3.65E-08	3.22E-07	1.54E-06	1.69E-07	1.71E-06	1.58E-07	1.24E-08	1.71E-07
2140	438103.96	3725445.12	1.45E-06	2.91E-07	1.74E-06	2.86E-07	3.65E-08	3.23E-07	1.54E-06	1.69E-07	1.71E-06	1.59E-07	1.24E-08	1.71E-07
2141	438099.48	3725458.94	1.46E-06	2.93E-07	1.75E-06	2.88E-07	3.67E-08	3.25E-07	1.55E-06	1.71E-07	1.72E-06	1.60E-07	1.25E-08	1.72E-07
2142	438095	3725472.76	1.47E-06	2.94E-07	1.76E-06	2.90E-07	3.69E-08	3.27E-07	1.56E-06	1.71E-07	1.73E-06	1.60E-07	1.25E-08	1.73E-07
2143	438090.52	3725486.58	1.47E-06	2.95E-07	1.77E-06	2.91E-07	3.71E-08	3.28E-07	1.56E-06	1.72E-07	1.74E-06	1.61E-07	1.26E-08	1.74E-07
2144	438086.04	3725500.39	1.47E-06	2.96E-07	1.77E-06	2.91E-07	3.72E-08	3.28E-07	1.57E-06	1.72E-07	1.74E-06	1.61E-07	1.26E-08	1.74E-07
2145	438081.56	3725514.21	1.47E-06	2.96E-07	1.77E-06	2.91E-07	3.71E-08	3.28E-07	1.56E-06	1.72E-07	1.74E-06	1.61E-07	1.26E-08	1.74E-07
2146	438077.08	3725528.03	1.47E-06	2.95E-07	1.76E-06	2.90E-07	3.70E-08	3.27E-07	1.56E-06	1.72E-07	1.73E-06	1.61E-07	1.26E-08	1.73E-07
2147	438072.6	3725541.85	1.47E-06	2.94E-07	1.76E-06	2.89E-07	3.69E-08	3.26E-07	1.56E-06	1.71E-07	1.73E-06	1.60E-07	1.25E-08	1.73E-07
2148	438068.12	3725555.66	1.46E-06	2.93E-07	1.75E-06	2.89E-07	3.68E-08	3.26E-07	1.55E-06	1.71E-07	1.72E-06	1.60E-07	1.25E-08	1.72E-07
2149	438054.69	3725597.11	1.46E-06	2.94E-07	1.76E-06	2.89E-07	3.69E-08	3.26E-07	1.56E-06	1.71E-07	1.73E-06	1.60E-07	1.25E-08	1.73E-07
2150	438050.21	3725610.93	1.46E-06	2.93E-07	1.75E-06	2.89E-07	3.68E-08	3.25E-07	1.55E-06	1.71E-07	1.72E-06	1.60E-07	1.25E-08	1.72E-07
2151	438045.73	3725624.75	1.45E-06	2.92E-07	1.75E-06	2.87E-07	3.66E-08	3.24E-07	1.54E-06	1.70E-07	1.71E-06	1.59E-07	1.24E-08	1.71E-07
2152	438041.25	3725638.57	1.44E-06	2.89E-07	1.73E-06	2.85E-07	3.63E-08	3.21E-07	1.53E-06	1.69E-07	1.70E-06	1.58E-07	1.23E-08	1.70E-07

2153	438104.53	3725283.13	1.60E-06	3.21E-07	1.92E-06	3.16E-07	4.03E-08	3.56E-07	1.70E-06	1.87E-07	1.88E-06	1.75E-07	1.37E-08	1.88E-07
2154	438111.13	3725296.13	1.55E-06	3.12E-07	1.86E-06	3.07E-07	3.91E-08	3.46E-07	1.65E-06	1.82E-07	1.83E-06	1.70E-07	1.33E-08	1.83E-07
2155	438117.73	3725309.12	1.50E-06	3.01E-07	1.80E-06	2.96E-07	3.78E-08	3.34E-07	1.59E-06	1.75E-07	1.77E-06	1.64E-07	1.28E-08	1.77E-07
2156	438124.33	3725322.12	1.45E-06	2.90E-07	1.74E-06	2.86E-07	3.65E-08	3.22E-07	1.54E-06	1.69E-07	1.71E-06	1.58E-07	1.24E-08	1.71E-07
2157	438130.93	3725335.12	1.39E-06	2.80E-07	1.67E-06	2.75E-07	3.51E-08	3.11E-07	1.48E-06	1.63E-07	1.64E-06	1.53E-07	1.19E-08	1.64E-07
2158	438137.53	3725348.11	1.34E-06	2.69E-07	1.61E-06	2.65E-07	3.38E-08	2.99E-07	1.43E-06	1.57E-07	1.58E-06	1.47E-07	1.15E-08	1.58E-07
2159	438144.13	3725361.11	1.29E-06	2.59E-07	1.55E-06	2.55E-07	3.26E-08	2.88E-07	1.37E-06	1.51E-07	1.52E-06	1.41E-07	1.10E-08	1.52E-07
2160	438150.73	3725374.1	1.24E-06	2.50E-07	1.49E-06	2.46E-07	3.13E-08	2.77E-07	1.32E-06	1.45E-07	1.47E-06	1.36E-07	1.06E-08	1.47E-07
2161	438151.78	3725387.54	1.23E-06	2.46E-07	1.47E-06	2.42E-07	3.09E-08	2.73E-07	1.30E-06	1.44E-07	1.45E-06	1.34E-07	1.05E-08	1.45E-07
2162	438147.28	3725401.4	1.24E-06	2.49E-07	1.49E-06	2.45E-07	3.13E-08	2.77E-07	1.32E-06	1.45E-07	1.46E-06	1.36E-07	1.06E-08	1.46E-07
2163	438142.79	3725415.27	1.26E-06	2.52E-07	1.51E-06	2.48E-07	3.16E-08	2.80E-07	1.33E-06	1.47E-07	1.48E-06	1.37E-07	1.07E-08	1.48E-07
2164	438138.29	3725429.13	1.27E-06	2.54E-07	1.52E-06	2.50E-07	3.19E-08	2.82E-07	1.34E-06	1.48E-07	1.49E-06	1.38E-07	1.08E-08	1.49E-07
2165	438133.8	3725443	1.27E-06	2.55E-07	1.53E-06	2.51E-07	3.21E-08	2.83E-07	1.35E-06	1.49E-07	1.50E-06	1.39E-07	1.09E-08	1.50E-07
2166	438129.3	3725456.86	1.28E-06	2.56E-07	1.53E-06	2.52E-07	3.22E-08	2.85E-07	1.36E-06	1.49E-07	1.51E-06	1.40E-07	1.09E-08	1.51E-07
2167	438124.81	3725470.73	1.28E-06	2.57E-07	1.54E-06	2.53E-07	3.23E-08	2.86E-07	1.36E-06	1.50E-07	1.51E-06	1.40E-07	1.10E-08	1.51E-07
2168	438120.31	3725484.59	1.29E-06	2.59E-07	1.55E-06	2.55E-07	3.25E-08	2.87E-07	1.37E-06	1.51E-07	1.52E-06	1.41E-07	1.10E-08	1.52E-07
2169	438115.82	3725498.46	1.30E-06	2.60E-07	1.56E-06	2.56E-07	3.27E-08	2.89E-07	1.38E-06	1.52E-07	1.53E-06	1.42E-07	1.11E-08	1.53E-07
2170	438111.32	3725512.33	1.30E-06	2.61E-07	1.56E-06	2.57E-07	3.28E-08	2.90E-07	1.38E-06	1.52E-07	1.53E-06	1.42E-07	1.11E-08	1.54E-07
2171	438106.83	3725526.19	1.30E-06	2.62E-07	1.57E-06	2.57E-07	3.28E-08	2.90E-07	1.38E-06	1.52E-07	1.54E-06	1.43E-07	1.11E-08	1.54E-07
2172	438102.33	3725540.06	1.30E-06	2.61E-07	1.56E-06	2.57E-07	3.28E-08	2.90E-07	1.38E-06	1.52E-07	1.54E-06	1.42E-07	1.11E-08	1.54E-07
2173	438097.84	3725553.92	1.30E-06	2.61E-07	1.56E-06	2.57E-07	3.28E-08	2.90E-07	1.38E-06	1.52E-07	1.53E-06	1.42E-07	1.11E-08	1.53E-07
2174	438093.34	3725567.79	1.30E-06	2.61E-07	1.56E-06	2.57E-07	3.27E-08	2.89E-07	1.38E-06	1.52E-07	1.53E-06	1.42E-07	1.11E-08	1.53E-07
2175	438088.85	3725581.65	1.30E-06	2.61E-07	1.56E-06	2.57E-07	3.27E-08	2.89E-07	1.38E-06	1.52E-07	1.53E-06	1.42E-07	1.11E-08	1.53E-07
2176	438075.36	3725623.25	1.30E-06	2.60E-07	1.56E-06	2.56E-07	3.27E-08	2.89E-07	1.38E-06	1.52E-07	1.53E-06	1.42E-07	1.11E-08	1.53E-07
2177	438070.87	3725637.12	1.29E-06	2.59E-07	1.55E-06	2.55E-07	3.25E-08	2.87E-07	1.37E-06	1.51E-07	1.52E-06	1.41E-07	1.10E-08	1.52E-07
2178	438066.37	3725650.98	1.28E-06	2.57E-07	1.54E-06	2.53E-07	3.23E-08	2.85E-07	1.36E-06	1.50E-07	1.51E-06	1.40E-07	1.09E-08	1.51E-07
2179	438057.38	3725678.71	1.26E-06	2.53E-07	1.51E-06	2.49E-07	3.17E-08	2.81E-07	1.34E-06	1.47E-07	1.49E-06	1.38E-07	1.08E-08	1.49E-07
2180	438137.6	3725287.01	1.35E-06	2.71E-07	1.62E-06	2.67E-07	3.41E-08	3.01E-07	1.44E-06	1.58E-07	1.60E-06	1.48E-07	1.16E-08	1.60E-07
2181	438144.22	3725300.04	1.31E-06	2.63E-07	1.57E-06	2.59E-07	3.30E-08	2.92E-07	1.39E-06	1.53E-07	1.55E-06	1.43E-07	1.12E-08	1.55E-07
2182	438150.84	3725313.08	1.27E-06	2.54E-07	1.52E-06	2.50E-07	3.19E-08	2.82E-07	1.34E-06	1.48E-07	1.49E-06	1.38E-07	1.08E-08	1.49E-07
2183	438157.46	3725326.12	1.22E-06	2.45E-07	1.47E-06	2.41E-07	3.08E-08	2.72E-07	1.30E-06	1.43E-07	1.44E-06	1.34E-07	1.04E-08	1.44E-07
2184	438164.08	3725339.15	1.18E-06	2.37E-07	1.42E-06	2.33E-07	2.98E-08	2.63E-07	1.26E-06	1.38E-07	1.39E-06	1.29E-07	1.01E-08	1.39E-07
2185	438170.7	3725352.19	1.14E-06	2.29E-07	1.37E-06	2.26E-07	2.88E-08	2.54E-07	1.21E-06	1.34E-07	1.35E-06	1.25E-07	9.76E-09	1.35E-07
2186	438177.32	3725365.22	1.10E-06	2.21E-07	1.32E-06	2.18E-07	2.78E-08	2.45E-07	1.17E-06	1.29E-07	1.30E-06	1.21E-07	9.41E-09	1.30E-07
2187	438181.68	3725385.21	1.07E-06	2.15E-07	1.29E-06	2.12E-07	2.70E-08	2.39E-07	1.14E-06	1.25E-07	1.26E-06	1.17E-07	9.16E-09	1.26E-07
2188	438177.17	3725399.12	1.08E-06	2.18E-07	1.30E-06	2.14E-07	2.73E-08	2.42E-07	1.15E-06	1.27E-07	1.28E-06	1.19E-07	9.27E-09	1.28E-07
2189	438172.66	3725413.03	1.10E-06	2.20E-07	1.32E-06	2.17E-07	2.76E-08	2.44E-07	1.16E-06	1.28E-07	1.29E-06	1.20E-07	9.36E-09	1.29E-07
2190	438168.15	3725426.94	1.11E-06	2.22E-07	1.33E-06	2.19E-07	2.79E-08	2.47E-07	1.18E-06	1.30E-07	1.31E-06	1.21E-07	9.46E-09	1.31E-07
2191	438163.65	3725440.84	1.12E-06	2.24E-07	1.34E-06	2.21E-07	2.82E-08	2.49E-07	1.19E-06	1.31E-07	1.32E-06	1.22E-07	9.55E-09	1.32E-07
2192	438159.14	3725454.75	1.12E-06	2.26E-07	1.35E-06	2.22E-07	2.83E-08	2.51E-07	1.19E-06	1.32E-07	1.33E-06	1.23E-07	9.61E-09	1.33E-07
2193	438154.63	3725468.66	1.13E-06	2.27E-07	1.36E-06	2.23E-07	2.85E-08	2.52E-07	1.20E-06	1.32E-07	1.33E-06	1.24E-07	9.65E-09	1.33E-07
2194	438150.12	3725482.57	1.13E-06	2.28E-07	1.36E-06	2.24E-07	2.86E-08	2.53E-07	1.21E-06	1.33E-07	1.34E-06	1.24E-07	9.69E-09	1.34E-07
2195	438145.61	3725496.48	1.14E-06	2.29E-07	1.37E-06	2.25E-07	2.88E-08	2.54E-07	1.21E-06	1.33E-07	1.35E-06	1.25E-07	9.75E-09	1.35E-07
2196	438141.1	3725510.38	1.15E-06	2.30E-07	1.38E-06	2.27E-07	2.89E-08	2.56E-07	1.22E-06	1.34E-07	1.35E-06	1.26E-07	9.81E-09	1.35E-07
2197	438136.59	3725524.29	1.16E-06	2.32E-07	1.39E-06	2.28E-07	2.91E-08	2.57E-07	1.23E-06	1.35E-07	1.36E-06	1.26E-07	9.87E-09	1.36E-07
2198	438132.08	3725538.2	1.16E-06	2.33E-07	1.40E-06	2.30E-07	2.93E-08	2.59E-07	1.23E-06	1.36E-07	1.37E-06	1.27E-07	9.93E-09	1.37E-07
2199	438127.57	3725552.11	1.16E-06	2.33E-07	1.40E-06	2.29E-07	2.93E-08	2.59E-07	1.23E-06	1.36E-07	1.37E-06	1.27E-07	9.92E-09	1.37E-07
2200	438123.07	3725566.01	1.16E-06	2.33E-07	1.39E-06	2.29E-07	2.92E-08	2.58E-07	1.23E-06	1.36E-07	1.37E-06	1.27E-07	9.90E-09	1.37E-07
2201	438118.56	3725579.92	1.16E-06	2.33E-07	1.40E-06	2.30E-07	2.93E-08	2.59E-07	1.24E-06	1.36E-07	1.37E-06	1.27E-07	9.94E-09	1.37E-07
2202	438114.05	3725593.83	1.16E-06	2.34E-07	1.40E-06	2.30E-07	2.93E-08	2.59E-07	1.24E-06	1.36E-07	1.37E-06	1.27E-07	9.94E-09	1.37E-07
2203	438109.54	3725607.74	1.16E-06	2.33E-07	1.40E-06	2.30E-07	2.93E-08	2.59E-07	1.23E-06	1.36E-07	1.37E-06	1.27E-07	9.93E-09	1.37E-07
2204	438100.52	3725635.55	1.16E-06	2.32E-07	1.39E-06	2.29E-07	2.92E-08	2.58E-07	1.23E-06	1.35E-07	1.36E-06	1.27E-07	9.88E-09	1.36E-07
2205	438096.01	3725649.46	1.15E-06	2.31E-07	1.38E-06	2.28E-07	2.91E-08	2.57E-07	1.22E-06	1.35E-07	1.36E-06	1.26E-07	9.85E-09	1.36E-07
2206	438091.5	3725663.37	1.15E-06	2.30E-07	1.38E-06	2.27E-07	2.89E-08	2.56E-07	1.22E-06	1.34E-07	1.35E-06	1.26E-07	9.80E-09	1.35E-07
2207	438087	3725677.28	1.14E-06	2.29E-07	1.37E-06	2.25E-07	2.87E-08	2.54E-07	1.21E-06	1.33E-07	1.34E-06	1.25E-07	9.74E-09	1.34E-07
2208	438082.49	3725691.18	1.13E-06	2.27E-07	1.36E-06	2.23E-07	2.85E-08	2.52E-07	1.20E-06	1.32E-07	1.33E-06	1.24E-07	9.66E-09	1.33E-07
2209	438170.7	3725290.96	1.15E-06	2.31E-07	1.38E-06	2.28E-07	2.91E-08	2.57E-07	1.22E-06	1.35E-07	1.36E-06	1.26E-07	9.85E-09	1.36E-07
2210	438177.34	3725304.03	1.12E-06	2.24E-07	1.34E-06	2.21E-07	2.82E-08	2.49E-07	1.19E-06	1.31E-07	1.32E-06	1.22E-07	9.56E-09	1.32E-07
2211	438183.97	3725317.1	1.08E-06	2.18E-07	1.30E-06	2.14E-07	2.73E-08	2.41E-07	1.15E-06	1.27E-07	1.28E-06	1.19E-07	9.26E-09	1.28E-07
2212	438190.61	3725330.17	1.05E-06	2.11E-07	1.26E-06	2.07E-07	2.64E-08	2.34E-07	1.11E-06	1.23E-07	1.24E-06	1.15E-07	8.96E-09	1.24E-07
2213	438197.25	3725343.24	1.02E-06	2.04E-07	1.22E-06	2.00E-07	2.56E-08	2.26E-07	1.08E-06	1.19E-07	1.20E-06	1.11E-07	8.67E-09	1.20E-07
2214	438203.89	3725356.31	9.82E-07	1.97E-07	1.18E-06	1.94E-07	2.47E-08	2.19E-07	1.04E-06	1.15E-07	1.16E-06	1.07E-07	8.38E-09	1.16E-07
2215	438210.52	3725369.38	9.50E-07	1.91E-07	1.14E-06	1.88E-07	2.39E-08	2.12E-07	1.01E-06	1.11E-07	1.12E-06	1.04E-07	8.11E-09	1.12E-07
2216	438211.58	3725382.89	9.40E-07	1.89E-07	1.13E-06	1.86E-07	2.37E-08	2.09E-07	9.98E-07	1.10E-07	1.11E-06	1.03E-07	8.03E-09	1.11E-07
2217	438207.06	3725396.83	9.53E-07	1.91E-07	1.14E-06	1.88E-07	2.40E-08	2.12E-07	1.01E-06	1.11E-07	1.12E-06	1.04E-07	8.14E-09	1.12E-07
2218	438202.54	3725410.78	9.65E-07	1.94E-07	1.16E-06	1.91E-07	2.43E-08	2.15E-07	1.02E-06	1.13E-07	1.14E-06	1.06E-07	8.24E-09	1.14E-07
2219	438198.02	3725424.72	9.76E-07	1.96E-07	1.17E-06	1.93E-07	2.46E-08	2.17E-07	1.04E-06	1.14E-07	1.15E-06	1.07E-07	8.34E-09	1.15E-07
2220	438193.5	3725438.67	9.88E-07	1.98E-07	1.19E-06	1.95E-07	2.49E-08	2.20E-07	1.05E-06	1.16E-07	1.16E-06	1.08E-07	8.44E-09	1.17E-07
2221	438188.98	3725452.61	9.97E-07	2.00E-07	1.20E-06	1.97E-07	2.51E-08	2.22E-07	1.06E-06	1.17E-07	1.18E-06	1.09E-07	8.52E-09	1.18E-07
2222	438184.46	3725466.56	1.00E-06	2.01E-07	1.20E-06	1.98E-07	2.52E-08	2.23E-07	1.06E-06	1.17E-07	1.18E-06	1.10E-07	8.55E-09	1.18E-07
2223	438179.94	3725480.5	1.01E-06	2.02E-07	1.21E-06	1.99E-07	2.53E-08	2.24E-07	1.07E-06	1.18E-07	1.19E-06	1.10E-07	8.59E-09	1.19E-07
2224	438175.42	3725494.45	1.01E-06	2.03E-07	1.21E-06	2.00E-07	2.55E-08	2.25E-07	1.07E-06	1.18E-07	1.19E-06	1.11E-07	8.64E-09	1.19E-07
2225	438170.9	3725508.39	1.02E-06	2.04E-07	1.22E-06	2.01E-07	2.56E-08	2.27E-07	1.08E-06	1.19E-07	1.20E-06	1.11E-07	8.69E-09	1.20E-07
2226	438166.37	3725522.34	1.02E-06	2.05E-07	1.23E-06	2.02E-07	2.58E-08	2.28E-07	1.09E-06	1.20E-07	1.21E-06	1.12E-07	8.74E-09	1.21E-07
2227	438161.85	3725536.28	1.03E-06	2.06E-07	1.23E-06	2.03E-07	2.59E-08	2.29E-07	1.09E-06	1.20E-07	1.21E-06	1.12E-07	8.78E-09	1.21E-07
2228	438157.33	3725550.23	1.03E-06	2.07E-07	1.24E-06	2.04E-07	2.61E-08	2.30E-07	1.10E-06	1.21E-07	1.22E-06	1.13E-07	8.83E-09	1.22E-07
2229	438152.81	3725564.17	1.04E-06	2.08E-07	1.25E-06	2.05E-07	2.62E-08	2.31E-07	1.10E-06	1.21E-07	1.22E-06	1.14E-07	8.87E-09	1.22E-07

2230	438148.29	3725578.12	1.04E-06	2.09E-07	1.25E-06	2.06E-07	2.63E-08	2.32E-07	1.11E-06	1.22E-07	1.23E-06	1.14E-07	8.90E-09	1.23E-07
2231	438143.77	3725592.06	1.05E-06	2.10E-07	1.26E-06	2.07E-07	2.64E-08	2.33E-07	1.11E-06	1.22E-07	1.23E-06	1.14E-07	8.94E-09	1.23E-07
2232	438139.25	3725606.01	1.05E-06	2.10E-07	1.26E-06	2.07E-07	2.64E-08	2.33E-07	1.11E-06	1.22E-07	1.23E-06	1.14E-07	8.94E-09	1.23E-07
2233	438134.73	3725619.95	1.04E-06	2.09E-07	1.25E-06	2.06E-07	2.63E-08	2.33E-07	1.11E-06	1.22E-07	1.23E-06	1.14E-07	8.92E-09	1.23E-07
2234	438121.17	3725661.79	1.04E-06	2.08E-07	1.24E-06	2.05E-07	2.61E-08	2.31E-07	1.10E-06	1.21E-07	1.22E-06	1.13E-07	8.84E-09	1.22E-07
2235	438223.79	3725334.27	9.10E-07	1.83E-07	1.09E-06	1.80E-07	2.29E-08	2.03E-07	9.67E-07	1.06E-07	1.07E-06	9.96E-08	7.78E-09	1.07E-07
2236	438230.45	3725347.37	8.82E-07	1.77E-07	1.06E-06	1.74E-07	2.22E-08	1.96E-07	9.37E-07	1.03E-07	1.04E-06	9.65E-08	7.53E-09	1.04E-07
2237	438237.1	3725360.47	8.55E-07	1.72E-07	1.03E-06	1.69E-07	2.15E-08	1.90E-07	9.08E-07	1.00E-07	1.01E-06	9.35E-08	7.30E-09	1.01E-07
2238	438241.49	3725380.56	8.33E-07	1.67E-07	1.00E-06	1.64E-07	2.10E-08	1.85E-07	8.84E-07	9.74E-08	9.82E-07	9.11E-08	7.11E-09	9.82E-08
2239	438236.95	3725394.54	8.43E-07	1.69E-07	1.01E-06	1.67E-07	2.12E-08	1.88E-07	8.96E-07	9.86E-08	9.94E-07	9.22E-08	7.20E-09	9.94E-08
2240	438232.42	3725408.52	8.54E-07	1.71E-07	1.03E-06	1.69E-07	2.15E-08	1.90E-07	9.07E-07	9.99E-08	1.01E-06	9.34E-08	7.30E-09	1.01E-07
2241	438227.89	3725422.49	8.64E-07	1.73E-07	1.04E-06	1.71E-07	2.18E-08	1.92E-07	9.18E-07	1.01E-07	1.02E-06	9.45E-08	7.38E-09	1.02E-07
2242	438223.36	3725436.47	8.71E-07	1.75E-07	1.05E-06	1.72E-07	2.20E-08	1.94E-07	9.26E-07	1.02E-07	1.03E-06	9.53E-08	7.44E-09	1.03E-07
2243	438218.83	3725450.45	8.79E-07	1.76E-07	1.06E-06	1.74E-07	2.22E-08	1.96E-07	9.34E-07	1.03E-07	1.04E-06	9.62E-08	7.51E-09	1.04E-07
2244	438214.3	3725464.43	8.87E-07	1.78E-07	1.06E-06	1.75E-07	2.23E-08	1.97E-07	9.42E-07	1.04E-07	1.05E-06	9.70E-08	7.57E-09	1.05E-07
2245	438209.77	3725478.41	8.93E-07	1.79E-07	1.07E-06	1.76E-07	2.25E-08	1.99E-07	9.49E-07	1.04E-07	1.05E-06	9.77E-08	7.63E-09	1.05E-07
2246	438205.23	3725492.38	9.01E-07	1.81E-07	1.08E-06	1.78E-07	2.27E-08	2.01E-07	9.57E-07	1.05E-07	1.06E-06	9.86E-08	7.70E-09	1.06E-07
2247	438200.7	3725506.36	9.08E-07	1.82E-07	1.09E-06	1.79E-07	2.29E-08	2.02E-07	9.64E-07	1.06E-07	1.07E-06	9.93E-08	7.76E-09	1.07E-07
2248	438196.17	3725520.34	9.13E-07	1.83E-07	1.10E-06	1.80E-07	2.30E-08	2.03E-07	9.70E-07	1.07E-07	1.08E-06	9.99E-08	7.80E-09	1.08E-07
2249	438191.64	3725534.32	9.17E-07	1.84E-07	1.10E-06	1.81E-07	2.31E-08	2.04E-07	9.75E-07	1.07E-07	1.08E-06	1.00E-07	7.84E-09	1.08E-07
2250	438187.11	3725548.29	9.24E-07	1.85E-07	1.11E-06	1.82E-07	2.33E-08	2.06E-07	9.81E-07	1.08E-07	1.09E-06	1.01E-07	7.89E-09	1.09E-07
2251	438182.58	3725562.27	9.30E-07	1.87E-07	1.12E-06	1.84E-07	2.34E-08	2.07E-07	9.87E-07	1.09E-07	1.10E-06	1.02E-07	7.94E-09	1.10E-07
2252	438178.04	3725576.25	9.34E-07	1.87E-07	1.12E-06	1.84E-07	2.35E-08	2.08E-07	9.92E-07	1.09E-07	1.10E-06	1.02E-07	7.98E-09	1.10E-07
2253	438173.51	3725590.23	9.37E-07	1.88E-07	1.13E-06	1.85E-07	2.36E-08	2.09E-07	9.95E-07	1.10E-07	1.10E-06	1.03E-07	8.00E-09	1.11E-07
2254	438168.98	3725604.21	9.40E-07	1.89E-07	1.13E-06	1.86E-07	2.37E-08	2.09E-07	9.98E-07	1.10E-07	1.11E-06	1.03E-07	8.03E-09	1.11E-07
2255	438164.45	3725618.18	9.40E-07	1.89E-07	1.13E-06	1.86E-07	2.37E-08	2.09E-07	9.99E-07	1.10E-07	1.11E-06	1.03E-07	8.03E-09	1.11E-07
2256	438159.92	3725632.16	9.40E-07	1.89E-07	1.13E-06	1.86E-07	2.37E-08	2.09E-07	9.99E-07	1.10E-07	1.11E-06	1.03E-07	8.03E-09	1.11E-07
2257	438155.39	3725646.14	9.40E-07	1.89E-07	1.13E-06	1.86E-07	2.37E-08	2.09E-07	9.98E-07	1.10E-07	1.11E-06	1.03E-07	8.02E-09	1.11E-07
2258	438132.73	3725716.03	9.27E-07	1.86E-07	1.11E-06	1.83E-07	2.34E-08	2.06E-07	9.85E-07	1.08E-07	1.09E-06	1.01E-07	7.92E-09	1.09E-07
2259	438128.2	3725730.01	9.19E-07	1.84E-07	1.10E-06	1.81E-07	2.31E-08	2.05E-07	9.76E-07	1.07E-07	1.08E-06	1.00E-07	7.85E-09	1.08E-07
2260	438271.39	3725378.23	7.44E-07	1.49E-07	8.93E-07	1.47E-07	1.87E-08	1.66E-07	7.90E-07	8.70E-08	8.77E-07	8.14E-08	6.35E-09	8.77E-08
2261	438266.85	3725392.24	7.52E-07	1.51E-07	9.03E-07	1.49E-07	1.90E-08	1.68E-07	7.99E-07	8.80E-08	8.87E-07	8.23E-08	6.43E-09	8.87E-08
2262	438262.31	3725406.25	7.62E-07	1.53E-07	9.15E-07	1.51E-07	1.92E-08	1.70E-07	8.09E-07	8.91E-08	8.99E-07	8.34E-08	6.51E-09	8.99E-08
2263	438257.77	3725420.25	7.71E-07	1.55E-07	9.25E-07	1.52E-07	1.94E-08	1.72E-07	8.19E-07	9.01E-08	9.09E-07	8.43E-08	6.58E-09	9.09E-08
2264	438253.23	3725434.26	7.77E-07	1.56E-07	9.33E-07	1.54E-07	1.96E-08	1.73E-07	8.26E-07	9.09E-08	9.17E-07	8.50E-08	6.64E-09	9.17E-08
2265	438248.68	3725448.27	7.84E-07	1.57E-07	9.41E-07	1.55E-07	1.98E-08	1.75E-07	8.33E-07	9.17E-08	9.24E-07	8.58E-08	6.70E-09	9.24E-08
2266	438244.14	3725462.28	7.90E-07	1.59E-07	9.49E-07	1.56E-07	1.99E-08	1.76E-07	8.39E-07	9.24E-08	9.32E-07	8.64E-08	6.75E-09	9.32E-08
2267	438239.6	3725476.28	7.96E-07	1.60E-07	9.56E-07	1.57E-07	2.01E-08	1.77E-07	8.46E-07	9.31E-08	9.39E-07	8.71E-08	6.80E-09	9.39E-08
2268	438235.06	3725490.29	8.05E-07	1.61E-07	9.66E-07	1.59E-07	2.03E-08	1.79E-07	8.55E-07	9.41E-08	9.49E-07	8.80E-08	6.87E-09	9.49E-08
2269	438230.52	3725504.3	8.12E-07	1.63E-07	9.75E-07	1.60E-07	2.05E-08	1.81E-07	8.63E-07	9.50E-08	9.58E-07	8.89E-08	6.94E-09	9.58E-08
2270	438225.98	3725518.3	8.18E-07	1.64E-07	9.82E-07	1.62E-07	2.06E-08	1.82E-07	8.69E-07	9.57E-08	9.65E-07	8.95E-08	6.99E-09	9.65E-08
2271	438221.44	3725532.31	8.23E-07	1.65E-07	9.88E-07	1.63E-07	2.07E-08	1.83E-07	8.75E-07	9.63E-08	9.71E-07	9.01E-08	7.03E-09	9.71E-08
2272	438216.9	3725546.32	8.28E-07	1.66E-07	9.94E-07	1.63E-07	2.09E-08	1.84E-07	8.79E-07	9.68E-08	9.76E-07	9.06E-08	7.07E-09	9.76E-08
2273	438212.36	3725560.33	8.32E-07	1.67E-07	9.99E-07	1.64E-07	2.10E-08	1.85E-07	8.84E-07	9.73E-08	9.81E-07	9.10E-08	7.11E-09	9.82E-08
2274	438207.82	3725574.33	8.37E-07	1.68E-07	1.01E-06	1.65E-07	2.11E-08	1.86E-07	8.89E-07	9.79E-08	9.87E-07	9.16E-08	7.15E-09	9.87E-08
2275	438203.27	3725588.34	8.41E-07	1.69E-07	1.01E-06	1.66E-07	2.12E-08	1.87E-07	8.94E-07	9.84E-08	9.92E-07	9.20E-08	7.19E-09	9.92E-08
2276	438198.73	3725602.35	8.45E-07	1.69E-07	1.01E-06	1.67E-07	2.13E-08	1.88E-07	8.97E-07	9.88E-08	9.96E-07	9.24E-08	7.21E-09	9.96E-08
2277	438194.19	3725616.35	8.48E-07	1.70E-07	1.02E-06	1.67E-07	2.14E-08	1.89E-07	9.01E-07	9.92E-08	1.00E-06	9.28E-08	7.24E-09	1.00E-07
2278	438189.65	3725630.36	8.50E-07	1.71E-07	1.02E-06	1.68E-07	2.14E-08	1.89E-07	9.03E-07	9.94E-08	1.00E-06	9.30E-08	7.26E-09	1.00E-07
2279	438185.11	3725644.37	8.52E-07	1.71E-07	1.02E-06	1.68E-07	2.15E-08	1.90E-07	9.05E-07	9.96E-08	1.00E-06	9.32E-08	7.27E-09	1.00E-07
2280	438180.57	3725658.38	8.52E-07	1.71E-07	1.02E-06	1.68E-07	2.15E-08	1.90E-07	9.05E-07	9.96E-08	1.00E-06	9.32E-08	7.28E-09	1.00E-07
2281	438166.95	3725700.4	8.49E-07	1.70E-07	1.02E-06	1.68E-07	2.14E-08	1.89E-07	9.02E-07	9.93E-08	1.00E-06	9.29E-08	7.25E-09	1.00E-07
2282	438162.4	3725714.4	8.45E-07	1.70E-07	1.01E-06	1.67E-07	2.13E-08	1.88E-07	8.97E-07	9.88E-08	9.96E-07	9.24E-08	7.22E-09	9.96E-08
2283	438157.86	3725728.41	8.41E-07	1.69E-07	1.01E-06	1.66E-07	2.12E-08	1.87E-07	8.93E-07	9.83E-08	9.91E-07	9.20E-08	7.18E-09	9.92E-08
2284	438153.32	3725742.42	8.36E-07	1.68E-07	1.00E-06	1.65E-07	2.11E-08	1.86E-07	8.88E-07	9.77E-08	9.86E-07	9.14E-08	7.14E-09	9.86E-08
2285	438148.78	3725756.43	8.30E-07	1.66E-07	9.96E-07	1.64E-07	2.09E-08	1.85E-07	8.81E-07	9.70E-08	9.78E-07	9.08E-08	7.09E-09	9.78E-08
2286	438292.19	3725403.97	6.84E-07	1.37E-07	8.21E-07	1.35E-07	1.72E-08	1.52E-07	7.26E-07	8.00E-08	8.06E-07	7.48E-08	5.84E-09	8.06E-08
2287	438287.64	3725418	6.92E-07	1.39E-07	8.30E-07	1.37E-07	1.74E-08	1.54E-07	7.35E-07	8.09E-08	8.16E-07	7.57E-08	5.91E-09	8.16E-08
2288	438283.1	3725432.04	6.98E-07	1.40E-07	8.37E-07	1.38E-07	1.76E-08	1.55E-07	7.41E-07	8.16E-08	8.22E-07	7.63E-08	5.96E-09	8.23E-08
2289	438278.55	3725446.07	7.03E-07	1.41E-07	8.44E-07	1.39E-07	1.77E-08	1.57E-07	7.47E-07	8.22E-08	8.29E-07	7.69E-08	6.01E-09	8.29E-08
2290	438274	3725460.1	7.10E-07	1.43E-07	8.53E-07	1.40E-07	1.79E-08	1.58E-07	7.55E-07	8.31E-08	8.38E-07	7.77E-08	6.07E-09	8.38E-08
2291	438269.45	3725474.14	7.17E-07	1.44E-07	8.61E-07	1.42E-07	1.81E-08	1.60E-07	7.61E-07	8.38E-08	8.45E-07	7.84E-08	6.12E-09	8.45E-08
2292	438264.9	3725488.17	7.22E-07	1.45E-07	8.67E-07	1.43E-07	1.82E-08	1.61E-07	7.67E-07	8.45E-08	8.52E-07	7.90E-08	6.17E-09	8.52E-08
2293	438260.35	3725502.2	7.28E-07	1.46E-07	8.75E-07	1.44E-07	1.84E-08	1.62E-07	7.74E-07	8.52E-08	8.59E-07	7.97E-08	6.22E-09	8.59E-08
2294	438255.8	3725516.24	7.34E-07	1.47E-07	8.81E-07	1.45E-07	1.85E-08	1.63E-07	7.80E-07	8.58E-08	8.65E-07	8.03E-08	6.27E-09	8.66E-08
2295	438251.25	3725530.27	7.39E-07	1.48E-07	8.87E-07	1.46E-07	1.86E-08	1.65E-07	7.85E-07	8.64E-08	8.71E-07	8.08E-08	6.31E-09	8.71E-08
2296	438246.7	3725544.3	7.44E-07	1.49E-07	8.93E-07	1.47E-07	1.87E-08	1.66E-07	7.90E-07	8.70E-08	8.77E-07	8.14E-08	6.36E-09	8.77E-08
2297	438242.15	3725558.34	7.50E-07	1.50E-07	9.00E-07	1.48E-07	1.89E-08	1.67E-07	7.96E-07	8.77E-08	8.84E-07	8.20E-08	6.40E-09	8.84E-08
2298	438237.6	3725572.37	7.55E-07	1.51E-07	9.06E-07	1.49E-07	1.90E-08	1.68E-07	8.02E-07	8.83E-08	8.90E-07	8.26E-08	6.45E-09	8.90E-08
2299	438233.05	3725586.41	7.60E-07	1.52E-07	9.12E-07	1.50E-07	1.91E-08	1.69E-07	8.07E-07	8.88E-08	8.96E-07	8.31E-08	6.49E-09	8.96E-08
2300	438228.5	3725600.44	7.64E-07	1.53E-07	9.17E-07	1.51E-07	1.92E-08	1.70E-07	8.11E-07	8.93E-08	9.01E-07	8.36E-08	6.52E-09	9.01E-08
2301	438223.95	3725614.47	7.68E-07	1.54E-07	9.22E-07	1.52E-07	1.93E-08	1.71E-07	8.15E-07	8.98E-08	9.05E-07	8.40E-08	6.56E-09	9.05E-08
2302	438219.4	3725628.51	7.71E-07	1.55E-07	9.26E-07	1.52E-07	1.94E-08	1.72E-07	8.19E-07	9.02E-08	9.09E-07	8.44E-08	6.59E-09	9.09E-08
2303	438214.85	3725642.54	7.74E-07	1.55E-07	9.29E-07	1.53E-07	1.95E-08	1.72E-07	8.22E-07	9.05E-08	9.12E-07	8.46E-08	6.61E-09	9.12E-08
2304	438210.3	3725656.57	7.75E-07	1.56E-07	9.31E-07	1.53E-07	1.95E-08	1.73E-07	8.24E-07	9.07E-08	9.14E-07	8.48E-08	6.62E-09	9.14E-08
2305	438205.75	3725670.61	7.76E-07	1.56E-07	9.32E-07	1.53E-07	1.96E-08	1.73E-07	8.24E-07	9.08E-08	9.15E-07	8.49E-08	6.63E-09	9.15E-08
2306	438201.2	3725684.64	7.76E-07	1.56E-07	9.32E-07	1.53E-07	1.96E-08	1.73E-07	8.24E-07	9.07E-08	9.15E-07	8.49E-08	6.63E-09	9.15E-08

2307	438192.1	3725712.71	7.76E-07	1.56E-07	9.31E-07	1.53E-07	1.95E-08	1.73E-07	8.24E-07	9.07E-08	9.15E-07	8.48E-08	6.62E-09	9.15E-08
2308	438187.55	3725726.74	7.73E-07	1.55E-07	9.28E-07	1.53E-07	1.95E-08	1.72E-07	8.21E-07	9.04E-08	9.11E-07	8.46E-08	6.60E-09	9.12E-08
2309	438183	3725740.77	7.69E-07	1.54E-07	9.23E-07	1.52E-07	1.94E-08	1.71E-07	8.17E-07	8.99E-08	9.07E-07	8.41E-08	6.57E-09	9.07E-08
2310	438178.46	3725754.81	7.65E-07	1.53E-07	9.18E-07	1.51E-07	1.93E-08	1.70E-07	8.12E-07	8.94E-08	9.02E-07	8.36E-08	6.53E-09	9.02E-08
2311	438173.91	3725768.84	7.60E-07	1.52E-07	9.12E-07	1.50E-07	1.91E-08	1.69E-07	8.07E-07	8.88E-08	8.96E-07	8.31E-08	6.49E-09	8.96E-08
2312	438313.29	3725428.8	6.29E-07	1.26E-07	7.55E-07	1.24E-07	1.59E-08	1.40E-07	6.68E-07	7.36E-08	7.42E-07	6.88E-08	5.37E-09	7.42E-08
2313	438308.81	3725442.63	6.34E-07	1.27E-07	7.61E-07	1.25E-07	1.60E-08	1.41E-07	6.73E-07	7.41E-08	7.47E-07	6.93E-08	5.41E-09	7.48E-08
2314	438304.32	3725456.46	6.40E-07	1.28E-07	7.68E-07	1.26E-07	1.61E-08	1.43E-07	6.80E-07	7.48E-08	7.55E-07	7.00E-08	5.47E-09	7.55E-08
2315	438299.84	3725470.3	6.46E-07	1.30E-07	7.76E-07	1.28E-07	1.63E-08	1.44E-07	6.87E-07	7.56E-08	7.62E-07	7.07E-08	5.52E-09	7.62E-08
2316	438295.35	3725484.13	6.52E-07	1.31E-07	7.82E-07	1.29E-07	1.64E-08	1.45E-07	6.92E-07	7.62E-08	7.68E-07	7.13E-08	5.57E-09	7.69E-08
2317	438290.87	3725497.97	6.56E-07	1.32E-07	7.88E-07	1.30E-07	1.65E-08	1.46E-07	6.97E-07	7.67E-08	7.74E-07	7.18E-08	5.60E-09	7.74E-08
2318	438286.38	3725511.8	6.61E-07	1.33E-07	7.94E-07	1.31E-07	1.67E-08	1.47E-07	7.02E-07	7.73E-08	7.80E-07	7.23E-08	5.65E-09	7.80E-08
2319	438281.9	3725525.64	6.67E-07	1.34E-07	8.01E-07	1.32E-07	1.68E-08	1.49E-07	7.09E-07	7.80E-08	7.87E-07	7.30E-08	5.70E-09	7.87E-08
2320	438277.41	3725539.47	6.73E-07	1.35E-07	8.08E-07	1.33E-07	1.69E-08	1.50E-07	7.14E-07	7.87E-08	7.93E-07	7.36E-08	5.75E-09	7.93E-08
2321	438272.93	3725553.3	6.76E-07	1.36E-07	8.12E-07	1.34E-07	1.70E-08	1.51E-07	7.19E-07	7.91E-08	7.98E-07	7.40E-08	5.78E-09	7.98E-08
2322	438268.44	3725567.14	6.81E-07	1.37E-07	8.17E-07	1.34E-07	1.72E-08	1.52E-07	7.23E-07	7.96E-08	8.03E-07	7.45E-08	5.82E-09	8.03E-08
2323	438263.96	3725580.97	6.86E-07	1.38E-07	8.24E-07	1.36E-07	1.73E-08	1.53E-07	7.29E-07	8.02E-08	8.09E-07	7.51E-08	5.86E-09	8.09E-08
2324	438259.47	3725594.81	6.91E-07	1.39E-07	8.30E-07	1.37E-07	1.74E-08	1.54E-07	7.34E-07	8.08E-08	8.15E-07	7.56E-08	5.90E-09	8.15E-08
2325	438254.99	3725608.64	6.94E-07	1.39E-07	8.34E-07	1.37E-07	1.75E-08	1.55E-07	7.38E-07	8.12E-08	8.19E-07	7.60E-08	5.93E-09	8.19E-08
2326	438250.5	3725622.48	6.97E-07	1.40E-07	8.37E-07	1.38E-07	1.76E-08	1.55E-07	7.40E-07	8.15E-08	8.22E-07	7.63E-08	5.95E-09	8.22E-08
2327	438246.02	3725636.31	7.00E-07	1.41E-07	8.41E-07	1.38E-07	1.76E-08	1.56E-07	7.44E-07	8.19E-08	8.26E-07	7.66E-08	5.98E-09	8.26E-08
2328	438241.53	3725650.14	7.04E-07	1.41E-07	8.45E-07	1.39E-07	1.77E-08	1.57E-07	7.47E-07	8.23E-08	8.30E-07	7.70E-08	6.01E-09	8.30E-08
2329	438237.05	3725663.98	7.06E-07	1.42E-07	8.48E-07	1.40E-07	1.78E-08	1.57E-07	7.50E-07	8.26E-08	8.33E-07	7.73E-08	6.03E-09	8.33E-08
2330	438232.57	3725677.81	7.08E-07	1.42E-07	8.50E-07	1.40E-07	1.78E-08	1.58E-07	7.52E-07	8.28E-08	8.35E-07	7.75E-08	6.05E-09	8.35E-08
2331	438228.08	3725691.65	7.09E-07	1.42E-07	8.52E-07	1.40E-07	1.79E-08	1.58E-07	7.54E-07	8.30E-08	8.37E-07	7.76E-08	6.06E-09	8.37E-08
2332	438223.6	3725705.48	7.10E-07	1.42E-07	8.52E-07	1.40E-07	1.79E-08	1.58E-07	7.54E-07	8.30E-08	8.37E-07	7.76E-08	6.06E-09	8.37E-08
2333	438214.63	3725733.15	7.08E-07	1.42E-07	8.50E-07	1.40E-07	1.78E-08	1.58E-07	7.52E-07	8.28E-08	8.35E-07	7.75E-08	6.05E-09	8.35E-08
2334	438210.14	3725746.98	7.06E-07	1.42E-07	8.47E-07	1.39E-07	1.78E-08	1.57E-07	7.50E-07	8.25E-08	8.32E-07	7.72E-08	6.03E-09	8.32E-08
2335	438205.66	3725760.82	7.03E-07	1.41E-07	8.44E-07	1.39E-07	1.77E-08	1.56E-07	7.46E-07	8.22E-08	8.28E-07	7.69E-08	6.00E-09	8.29E-08
2336	438201.17	3725774.65	6.99E-07	1.40E-07	8.39E-07	1.38E-07	1.76E-08	1.56E-07	7.42E-07	8.17E-08	8.24E-07	7.64E-08	5.97E-09	8.24E-08
2337	438196.69	3725788.49	6.94E-07	1.39E-07	8.33E-07	1.37E-07	1.75E-08	1.54E-07	7.37E-07	8.11E-08	8.18E-07	7.59E-08	5.92E-09	8.18E-08
2338	438344.12	3725453.61	5.65E-07	1.13E-07	6.78E-07	1.12E-07	1.42E-08	1.26E-07	6.00E-07	6.60E-08	6.66E-07	6.18E-08	4.82E-09	6.66E-08
2339	438339.62	3725467.48	5.70E-07	1.14E-07	6.85E-07	1.13E-07	1.44E-08	1.27E-07	6.06E-07	6.67E-08	6.72E-07	6.24E-08	4.87E-09	6.73E-08
2340	438335.12	3725481.36	5.75E-07	1.15E-07	6.90E-07	1.13E-07	1.45E-08	1.28E-07	6.10E-07	6.72E-08	6.78E-07	6.29E-08	4.91E-09	6.78E-08
2341	438330.62	3725495.23	5.78E-07	1.16E-07	6.94E-07	1.14E-07	1.46E-08	1.29E-07	6.14E-07	6.76E-08	6.81E-07	6.32E-08	4.94E-09	6.82E-08
2342	438326.12	3725509.11	5.81E-07	1.17E-07	6.98E-07	1.15E-07	1.47E-08	1.29E-07	6.18E-07	6.80E-08	6.86E-07	6.36E-08	4.97E-09	6.86E-08
2343	438321.62	3725522.99	5.86E-07	1.18E-07	7.03E-07	1.16E-07	1.48E-08	1.30E-07	6.22E-07	6.85E-08	6.91E-07	6.41E-08	5.00E-09	6.91E-08
2344	438317.13	3725536.86	5.90E-07	1.18E-07	7.09E-07	1.17E-07	1.49E-08	1.31E-07	6.27E-07	6.90E-08	6.96E-07	6.46E-08	5.04E-09	6.96E-08
2345	438312.63	3725550.74	5.94E-07	1.19E-07	7.13E-07	1.17E-07	1.50E-08	1.32E-07	6.31E-07	6.94E-08	7.00E-07	6.50E-08	5.07E-09	7.00E-08
2346	438308.13	3725564.61	5.97E-07	1.20E-07	7.17E-07	1.18E-07	1.51E-08	1.33E-07	6.34E-07	6.99E-08	7.04E-07	6.53E-08	5.10E-09	7.04E-08
2347	438303.63	3725578.49	6.02E-07	1.21E-07	7.23E-07	1.19E-07	1.52E-08	1.34E-07	6.40E-07	7.04E-08	7.10E-07	6.59E-08	5.14E-09	7.10E-08
2348	438299.13	3725592.36	6.07E-07	1.22E-07	7.29E-07	1.20E-07	1.53E-08	1.35E-07	6.45E-07	7.10E-08	7.16E-07	6.64E-08	5.18E-09	7.16E-08
2349	438294.63	3725606.24	6.10E-07	1.22E-07	7.33E-07	1.21E-07	1.54E-08	1.36E-07	6.48E-07	7.14E-08	7.20E-07	6.68E-08	5.21E-09	7.20E-08
2350	438290.14	3725620.11	6.13E-07	1.23E-07	7.36E-07	1.21E-07	1.55E-08	1.37E-07	6.51E-07	7.17E-08	7.23E-07	6.71E-08	5.24E-09	7.23E-08
2351	438285.64	3725633.99	6.17E-07	1.24E-07	7.40E-07	1.22E-07	1.55E-08	1.37E-07	6.55E-07	7.21E-08	7.27E-07	6.75E-08	5.27E-09	7.27E-08
2352	438281.14	3725647.87	6.20E-07	1.24E-07	7.45E-07	1.23E-07	1.56E-08	1.38E-07	6.59E-07	7.25E-08	7.32E-07	6.79E-08	5.30E-09	7.32E-08
2353	438276.64	3725661.74	6.24E-07	1.25E-07	7.49E-07	1.23E-07	1.57E-08	1.39E-07	6.62E-07	7.29E-08	7.35E-07	6.82E-08	5.33E-09	7.36E-08
2354	438272.14	3725675.62	6.27E-07	1.26E-07	7.52E-07	1.24E-07	1.58E-08	1.40E-07	6.65E-07	7.33E-08	7.39E-07	6.85E-08	5.35E-09	7.39E-08
2355	438267.64	3725689.49	6.29E-07	1.26E-07	7.55E-07	1.24E-07	1.58E-08	1.40E-07	6.68E-07	7.35E-08	7.42E-07	6.88E-08	5.37E-09	7.42E-08
2356	438263.14	3725703.37	6.31E-07	1.27E-07	7.57E-07	1.25E-07	1.59E-08	1.40E-07	6.70E-07	7.37E-08	7.44E-07	6.90E-08	5.39E-09	7.44E-08
2357	438258.65	3725717.24	6.32E-07	1.27E-07	7.59E-07	1.25E-07	1.59E-08	1.41E-07	6.71E-07	7.39E-08	7.45E-07	6.91E-08	5.40E-09	7.45E-08
2358	438254.15	3725731.12	6.32E-07	1.27E-07	7.59E-07	1.25E-07	1.59E-08	1.41E-07	6.72E-07	7.39E-08	7.45E-07	6.92E-08	5.40E-09	7.46E-08
2359	438240.65	3725772.75	6.30E-07	1.26E-07	7.56E-07	1.24E-07	1.59E-08	1.40E-07	6.69E-07	7.36E-08	7.42E-07	6.89E-08	5.38E-09	7.42E-08
2360	438236.15	3725786.62	6.27E-07	1.26E-07	7.53E-07	1.24E-07	1.58E-08	1.40E-07	6.66E-07	7.33E-08	7.40E-07	6.86E-08	5.36E-09	7.40E-08
2361	438231.66	3725800.5	6.24E-07	1.25E-07	7.49E-07	1.23E-07	1.57E-08	1.39E-07	6.63E-07	7.30E-08	7.36E-07	6.83E-08	5.33E-09	7.36E-08
2362	438227.16	3725814.37	6.20E-07	1.24E-07	7.44E-07	1.22E-07	1.56E-08	1.38E-07	6.59E-07	7.25E-08	7.31E-07	6.78E-08	5.30E-09	7.31E-08
2363	438374.9	3725478.55	5.09E-07	1.02E-07	6.11E-07	1.00E-07	1.28E-08	1.13E-07	5.40E-07	5.95E-08	6.00E-07	5.56E-08	4.34E-09	6.00E-08
2364	438370.39	3725492.46	5.12E-07	1.03E-07	6.15E-07	1.01E-07	1.29E-08	1.14E-07	5.44E-07	5.99E-08	6.04E-07	5.60E-08	4.37E-09	6.04E-08
2365	438365.87	3725506.37	5.15E-07	1.03E-07	6.18E-07	1.02E-07	1.30E-08	1.15E-07	5.47E-07	6.02E-08	6.07E-07	5.63E-08	4.40E-09	6.07E-08
2366	438361.36	3725520.28	5.18E-07	1.04E-07	6.22E-07	1.02E-07	1.31E-08	1.15E-07	5.51E-07	6.06E-08	6.11E-07	5.67E-08	4.43E-09	6.11E-08
2367	438356.85	3725534.2	5.22E-07	1.05E-07	6.26E-07	1.03E-07	1.31E-08	1.16E-07	5.54E-07	6.10E-08	6.15E-07	5.71E-08	4.46E-09	6.15E-08
2368	438352.34	3725548.11	5.25E-07	1.05E-07	6.30E-07	1.04E-07	1.32E-08	1.17E-07	5.57E-07	6.14E-08	6.19E-07	5.74E-08	4.48E-09	6.19E-08
2369	438347.83	3725562.02	5.28E-07	1.06E-07	6.34E-07	1.04E-07	1.33E-08	1.18E-07	5.61E-07	6.17E-08	6.23E-07	5.78E-08	4.51E-09	6.23E-08
2370	438343.32	3725575.93	5.31E-07	1.07E-07	6.38E-07	1.05E-07	1.34E-08	1.18E-07	5.64E-07	6.21E-08	6.26E-07	5.81E-08	4.54E-09	6.26E-08
2371	438338.81	3725589.84	5.34E-07	1.07E-07	6.42E-07	1.06E-07	1.35E-08	1.19E-07	5.68E-07	6.25E-08	6.30E-07	5.85E-08	4.56E-09	6.30E-08
2372	438334.3	3725603.76	5.38E-07	1.08E-07	6.46E-07	1.06E-07	1.36E-08	1.20E-07	5.72E-07	6.29E-08	6.35E-07	5.89E-08	4.60E-09	6.35E-08
2373	438329.79	3725617.67	5.42E-07	1.09E-07	6.51E-07	1.07E-07	1.37E-08	1.21E-07	5.76E-07	6.34E-08	6.39E-07	5.93E-08	4.63E-09	6.40E-08
2374	438325.28	3725631.58	5.46E-07	1.10E-07	6.55E-07	1.08E-07	1.38E-08	1.22E-07	5.80E-07	6.38E-08	6.44E-07	5.97E-08	4.66E-09	6.44E-08
2375	438320.77	3725645.49	5.49E-07	1.10E-07	6.59E-07	1.08E-07	1.38E-08	1.22E-07	5.83E-07	6.42E-08	6.48E-07	6.01E-08	4.69E-09	6.48E-08
2376	438316.26	3725659.4	5.53E-07	1.11E-07	6.64E-07	1.09E-07	1.39E-08	1.23E-07	5.87E-07	6.46E-08	6.52E-07	6.05E-08	4.72E-09	6.52E-08
2377	438311.75	3725673.32	5.56E-07	1.12E-07	6.68E-07	1.10E-07	1.40E-08	1.24E-07	5.91E-07	6.51E-08	6.56E-07	6.09E-08	4.75E-09	6.56E-08
2378	438307.24	3725687.23	5.59E-07	1.12E-07	6.72E-07	1.10E-07	1.41E-08	1.25E-07	5.94E-07	6.54E-08	6.60E-07	6.12E-08	4.78E-09	6.60E-08
2379	438302.73	3725701.14	5.62E-07	1.13E-07	6.75E-07	1.11E-07	1.42E-08	1.25E-07	5.97E-07	6.57E-08	6.63E-07	6.15E-08	4.80E-09	6.63E-08
2380	438298.22	3725715.05	5.64E-07	1.13E-07	6.77E-07	1.11E-07	1.42E-08	1.26E-07	5.99E-07	6.60E-08	6.65E-07	6.17E-08	4.82E-09	6.65E-08
2381	438293.71	3725728.97	5.65E-07	1.13E-07	6.78E-07	1.12E-07	1.42E-08	1.26E-07	6.00E-07	6.61E-08	6.66E-07	6.18E-08	4.83E-09	6.66E-08
2382	438289.2	3725742.88	5.66E-07	1.14E-07	6.80E-07	1.12E-07	1.43E-08	1.26E-07	6.01E-07	6.62E-08	6.67E-07	6.19E-08	4.83E-09	6.67E-08
2383	438284.69	3725756.79	5.67E-07	1.14E-07	6.81E-07	1.12E-07	1.43E-08	1.26E-07	6.02E-07	6.63E-08	6.68E-07	6.20E-08	4.84E-09	6.69E-08

2384	438271.16	3725798.53	5.64E-07	1.13E-07	6.78E-07	1.11E-07	1.42E-08	1.26E-07	5.99E-07	6.60E-08	6.65E-07	6.17E-08	4.82E-09	6.65E-08
2385	438266.65	3725812.44	5.62E-07	1.13E-07	6.75E-07	1.11E-07	1.42E-08	1.25E-07	5.97E-07	6.57E-08	6.63E-07	6.15E-08	4.80E-09	6.63E-08
2386	438262.14	3725826.35	5.60E-07	1.12E-07	6.72E-07	1.11E-07	1.41E-08	1.25E-07	5.94E-07	6.54E-08	6.60E-07	6.12E-08	4.78E-09	6.60E-08
2387	438257.63	3725840.26	5.56E-07	1.12E-07	6.68E-07	1.10E-07	1.40E-08	1.24E-07	5.91E-07	6.50E-08	6.56E-07	6.08E-08	4.75E-09	6.56E-08
2388	438401.12	3725517.53	4.60E-07	9.24E-08	5.53E-07	9.09E-08	1.16E-08	1.03E-07	4.89E-07	5.38E-08	5.43E-07	5.04E-08	3.93E-09	5.43E-08
2389	438396.6	3725531.48	4.63E-07	9.28E-08	5.55E-07	9.14E-08	1.17E-08	1.03E-07	4.91E-07	5.41E-08	5.45E-07	5.06E-08	3.95E-09	5.45E-08
2390	438392.08	3725545.42	4.65E-07	9.34E-08	5.59E-07	9.19E-08	1.17E-08	1.04E-07	4.94E-07	5.44E-08	5.49E-07	5.09E-08	3.98E-09	5.49E-08
2391	438387.56	3725559.37	4.69E-07	9.40E-08	5.63E-07	9.25E-08	1.18E-08	1.04E-07	4.98E-07	5.48E-08	5.53E-07	5.13E-08	4.00E-09	5.53E-08
2392	438383.04	3725573.31	4.72E-07	9.47E-08	5.66E-07	9.32E-08	1.19E-08	1.05E-07	5.01E-07	5.52E-08	5.56E-07	5.16E-08	4.03E-09	5.56E-08
2393	438378.52	3725587.26	4.75E-07	9.53E-08	5.70E-07	9.38E-08	1.20E-08	1.06E-07	5.04E-07	5.55E-08	5.60E-07	5.20E-08	4.06E-09	5.60E-08
2394	438374	3725601.2	4.78E-07	9.59E-08	5.74E-07	9.44E-08	1.20E-08	1.06E-07	5.08E-07	5.59E-08	5.64E-07	5.23E-08	4.08E-09	5.64E-08
2395	438369.47	3725615.15	4.81E-07	9.65E-08	5.78E-07	9.50E-08	1.21E-08	1.07E-07	5.11E-07	5.63E-08	5.67E-07	5.26E-08	4.11E-09	5.67E-08
2396	438364.95	3725629.09	4.84E-07	9.72E-08	5.82E-07	9.57E-08	1.22E-08	1.08E-07	5.14E-07	5.66E-08	5.71E-07	5.30E-08	4.14E-09	5.71E-08
2397	438360.43	3725643.04	4.88E-07	9.79E-08	5.86E-07	9.64E-08	1.23E-08	1.09E-07	5.18E-07	5.71E-08	5.75E-07	5.34E-08	4.17E-09	5.75E-08
2398	438355.91	3725656.98	4.91E-07	9.85E-08	5.90E-07	9.70E-08	1.24E-08	1.09E-07	5.22E-07	5.74E-08	5.79E-07	5.37E-08	4.19E-09	5.79E-08
2399	438351.39	3725670.93	4.94E-07	9.91E-08	5.93E-07	9.76E-08	1.24E-08	1.10E-07	5.25E-07	5.78E-08	5.82E-07	5.40E-08	4.22E-09	5.83E-08
2400	438346.87	3725684.87	4.97E-07	9.97E-08	5.97E-07	9.82E-08	1.25E-08	1.11E-07	5.28E-07	5.81E-08	5.86E-07	5.44E-08	4.25E-09	5.86E-08
2401	438342.35	3725698.82	5.00E-07	1.00E-07	6.00E-07	9.88E-08	1.26E-08	1.11E-07	5.31E-07	5.85E-08	5.90E-07	5.47E-08	4.27E-09	5.90E-08
2402	438337.83	3725712.76	5.03E-07	1.01E-07	6.04E-07	9.94E-08	1.27E-08	1.12E-07	5.34E-07	5.88E-08	5.93E-07	5.50E-08	4.30E-09	5.93E-08
2403	438333.31	3725726.71	5.05E-07	1.01E-07	6.07E-07	9.98E-08	1.27E-08	1.13E-07	5.37E-07	5.91E-08	5.96E-07	5.53E-08	4.32E-09	5.96E-08
2404	438328.79	3725740.65	5.07E-07	1.02E-07	6.09E-07	1.00E-07	1.28E-08	1.13E-07	5.39E-07	5.93E-08	5.98E-07	5.55E-08	4.33E-09	5.98E-08
2405	438324.27	3725754.6	5.09E-07	1.02E-07	6.11E-07	1.00E-07	1.28E-08	1.13E-07	5.40E-07	5.95E-08	6.00E-07	5.56E-08	4.34E-09	6.00E-08
2406	438319.75	3725768.54	5.10E-07	1.02E-07	6.12E-07	1.01E-07	1.28E-08	1.13E-07	5.41E-07	5.96E-08	6.01E-07	5.57E-08	4.35E-09	6.01E-08
2407	438315.22	3725782.49	5.10E-07	1.02E-07	6.13E-07	1.01E-07	1.29E-08	1.14E-07	5.42E-07	5.97E-08	6.02E-07	5.58E-08	4.36E-09	6.02E-08
2408	438288.1	3725866.16	5.02E-07	1.01E-07	6.03E-07	9.92E-08	1.27E-08	1.12E-07	5.33E-07	5.87E-08	5.92E-07	5.49E-08	4.29E-09	5.92E-08
2409	438431.83	3725542.7	4.15E-07	8.33E-08	4.98E-07	8.20E-08	1.05E-08	9.24E-08	4.41E-07	4.85E-08	4.89E-07	4.54E-08	3.55E-09	4.89E-08
2410	438427.3	3725556.67	4.18E-07	8.40E-08	5.02E-07	8.27E-08	1.05E-08	9.32E-08	4.45E-07	4.89E-08	4.93E-07	4.58E-08	3.57E-09	4.94E-08
2411	438422.77	3725570.65	4.22E-07	8.46E-08	5.06E-07	8.33E-08	1.06E-08	9.39E-08	4.48E-07	4.93E-08	4.97E-07	4.61E-08	3.60E-09	4.97E-08
2412	438418.24	3725584.62	4.24E-07	8.51E-08	5.09E-07	8.38E-08	1.07E-08	9.44E-08	4.50E-07	4.96E-08	5.00E-07	4.64E-08	3.62E-09	5.00E-08
2413	438413.71	3725598.59	4.27E-07	8.56E-08	5.12E-07	8.43E-08	1.08E-08	9.50E-08	4.53E-07	4.99E-08	5.03E-07	4.67E-08	3.64E-09	5.03E-08
2414	438409.18	3725612.57	4.30E-07	8.63E-08	5.16E-07	8.49E-08	1.08E-08	9.57E-08	4.57E-07	5.03E-08	5.07E-07	4.70E-08	3.67E-09	5.07E-08
2415	438404.65	3725626.54	4.33E-07	8.69E-08	5.20E-07	8.56E-08	1.09E-08	9.65E-08	4.60E-07	5.07E-08	5.11E-07	4.74E-08	3.70E-09	5.11E-08
2416	438400.12	3725640.52	4.36E-07	8.75E-08	5.23E-07	8.61E-08	1.10E-08	9.71E-08	4.63E-07	5.10E-08	5.14E-07	4.77E-08	3.72E-09	5.14E-08
2417	438395.58	3725654.49	4.39E-07	8.80E-08	5.27E-07	8.66E-08	1.11E-08	9.77E-08	4.66E-07	5.13E-08	5.17E-07	4.80E-08	3.75E-09	5.17E-08
2418	438391.05	3725668.47	4.42E-07	8.87E-08	5.31E-07	8.73E-08	1.11E-08	9.84E-08	4.69E-07	5.17E-08	5.21E-07	4.83E-08	3.77E-09	5.21E-08
2419	438386.52	3725682.44	4.45E-07	8.92E-08	5.34E-07	8.78E-08	1.12E-08	9.90E-08	4.72E-07	5.20E-08	5.24E-07	4.86E-08	3.80E-09	5.24E-08
2420	438381.99	3725696.41	4.48E-07	8.98E-08	5.37E-07	8.84E-08	1.13E-08	9.97E-08	4.75E-07	5.23E-08	5.28E-07	4.90E-08	3.82E-09	5.28E-08
2421	438377.46	3725710.39	4.50E-07	9.03E-08	5.41E-07	8.89E-08	1.13E-08	1.00E-07	4.78E-07	5.27E-08	5.31E-07	4.93E-08	3.85E-09	5.31E-08
2422	438372.93	3725724.36	4.53E-07	9.09E-08	5.44E-07	8.94E-08	1.14E-08	1.01E-07	4.81E-07	5.30E-08	5.34E-07	4.95E-08	3.87E-09	5.34E-08
2423	438368.4	3725738.34	4.55E-07	9.13E-08	5.46E-07	8.99E-08	1.15E-08	1.01E-07	4.83E-07	5.32E-08	5.37E-07	4.98E-08	3.89E-09	5.37E-08
2424	438363.87	3725752.31	4.57E-07	9.18E-08	5.49E-07	9.04E-08	1.15E-08	1.02E-07	4.86E-07	5.35E-08	5.39E-07	5.00E-08	3.91E-09	5.40E-08
2425	438359.34	3725766.29	4.59E-07	9.22E-08	5.52E-07	9.07E-08	1.16E-08	1.02E-07	4.88E-07	5.37E-08	5.42E-07	5.03E-08	3.92E-09	5.42E-08
2426	438354.81	3725780.26	4.61E-07	9.25E-08	5.54E-07	9.11E-08	1.16E-08	1.03E-07	4.90E-07	5.39E-08	5.44E-07	5.04E-08	3.94E-09	5.44E-08
2427	438350.28	3725794.24	4.62E-07	9.28E-08	5.55E-07	9.13E-08	1.17E-08	1.03E-07	4.91E-07	5.41E-08	5.45E-07	5.06E-08	3.95E-09	5.45E-08
2428	438345.75	3725808.21	4.63E-07	9.30E-08	5.56E-07	9.15E-08	1.17E-08	1.03E-07	4.92E-07	5.42E-08	5.46E-07	5.07E-08	3.96E-09	5.47E-08
2429	438332.16	3725850.13	4.62E-07	9.27E-08	5.54E-07	9.12E-08	1.16E-08	1.03E-07	4.91E-07	5.40E-08	5.45E-07	5.05E-08	3.94E-09	5.45E-08
2430	438327.63	3725864.11	4.60E-07	9.23E-08	5.52E-07	9.08E-08	1.16E-08	1.02E-07	4.89E-07	5.38E-08	5.42E-07	5.03E-08	3.93E-09	5.42E-08
2431	438323.1	3725878.08	4.57E-07	9.18E-08	5.49E-07	9.03E-08	1.15E-08	1.02E-07	4.86E-07	5.35E-08	5.39E-07	5.00E-08	3.91E-09	5.39E-08
2432	438318.57	3725892.06	4.55E-07	9.12E-08	5.46E-07	8.98E-08	1.15E-08	1.01E-07	4.83E-07	5.32E-08	5.36E-07	4.97E-08	3.88E-09	5.36E-08
2433	438457.97	3725581.93	3.82E-07	7.67E-08	4.59E-07	7.55E-08	9.63E-09	8.51E-08	4.06E-07	4.47E-08	4.51E-07	4.18E-08	3.26E-09	4.51E-08
2434	438453.43	3725595.94	3.84E-07	7.71E-08	4.62E-07	7.59E-08	9.69E-09	8.56E-08	4.08E-07	4.50E-08	4.53E-07	4.21E-08	3.28E-09	4.53E-08
2435	438448.89	3725609.94	3.87E-07	7.76E-08	4.64E-07	7.64E-08	9.75E-09	8.61E-08	4.11E-07	4.52E-08	4.56E-07	4.23E-08	3.30E-09	4.56E-08
2436	438444.36	3725623.94	3.89E-07	7.81E-08	4.67E-07	7.68E-08	9.80E-09	8.66E-08	4.13E-07	4.55E-08	4.59E-07	4.26E-08	3.32E-09	4.59E-08
2437	438439.82	3725637.94	3.92E-07	7.86E-08	4.71E-07	7.74E-08	9.88E-09	8.73E-08	4.16E-07	4.58E-08	4.62E-07	4.29E-08	3.35E-09	4.62E-08
2438	438435.28	3725651.94	3.95E-07	7.93E-08	4.74E-07	7.80E-08	9.95E-09	8.80E-08	4.20E-07	4.62E-08	4.66E-07	4.32E-08	3.37E-09	4.66E-08
2439	438430.74	3725665.94	3.97E-07	7.97E-08	4.77E-07	7.85E-08	1.00E-08	8.85E-08	4.22E-07	4.65E-08	4.69E-07	4.35E-08	3.39E-09	4.69E-08
2440	438426.2	3725679.94	4.00E-07	8.02E-08	4.80E-07	7.90E-08	1.01E-08	8.90E-08	4.25E-07	4.68E-08	4.71E-07	4.37E-08	3.41E-09	4.71E-08
2441	438421.66	3725693.94	4.03E-07	8.08E-08	4.83E-07	7.95E-08	1.01E-08	8.97E-08	4.28E-07	4.71E-08	4.75E-07	4.40E-08	3.44E-09	4.75E-08
2442	438417.12	3725707.94	4.06E-07	8.14E-08	4.87E-07	8.01E-08	1.02E-08	9.03E-08	4.31E-07	4.74E-08	4.78E-07	4.44E-08	3.46E-09	4.78E-08
2443	438412.58	3725721.94	4.08E-07	8.19E-08	4.90E-07	8.07E-08	1.03E-08	9.09E-08	4.34E-07	4.78E-08	4.82E-07	4.47E-08	3.49E-09	4.82E-08
2444	438408.04	3725735.94	4.11E-07	8.25E-08	4.94E-07	8.12E-08	1.04E-08	9.16E-08	4.37E-07	4.81E-08	4.85E-07	4.50E-08	3.51E-09	4.85E-08
2445	438403.5	3725749.95	4.14E-07	8.30E-08	4.97E-07	8.17E-08	1.04E-08	9.21E-08	4.39E-07	4.84E-08	4.88E-07	4.52E-08	3.53E-09	4.88E-08
2446	438398.97	3725763.95	4.16E-07	8.34E-08	4.99E-07	8.21E-08	1.05E-08	9.26E-08	4.42E-07	4.86E-08	4.90E-07	4.55E-08	3.55E-09	4.90E-08
2447	438394.43	3725777.95	4.18E-07	8.38E-08	5.01E-07	8.25E-08	1.05E-08	9.30E-08	4.44E-07	4.88E-08	4.92E-07	4.57E-08	3.57E-09	4.93E-08
2448	438389.89	3725791.95	4.19E-07	8.41E-08	5.03E-07	8.28E-08	1.06E-08	9.34E-08	4.45E-07	4.90E-08	4.94E-07	4.59E-08	3.58E-09	4.94E-08
2449	438385.35	3725805.95	4.21E-07	8.44E-08	5.05E-07	8.31E-08	1.06E-08	9.37E-08	4.47E-07	4.92E-08	4.96E-07	4.60E-08	3.59E-09	4.96E-08
2450	438380.81	3725819.95	4.21E-07	8.45E-08	5.06E-07	8.32E-08	1.06E-08	9.38E-08	4.48E-07	4.93E-08	4.97E-07	4.61E-08	3.60E-09	4.97E-08
2451	438376.27	3725833.95	4.22E-07	8.47E-08	5.07E-07	8.33E-08	1.06E-08	9.40E-08	4.48E-07	4.93E-08	4.98E-07	4.62E-08	3.60E-09	4.98E-08
2452	438362.65	3725875.95	4.19E-07	8.40E-08	5.03E-07	8.27E-08	1.05E-08	9.32E-08	4.45E-07	4.90E-08	4.94E-07	4.58E-08	3.58E-09	4.94E-08
2453	438358.11	3725889.95	4.17E-07	8.36E-08	5.00E-07	8.23E-08	1.05E-08	9.28E-08	4.43E-07	4.87E-08	4.91E-07	4.56E-08	3.56E-09	4.91E-08
2454	438353.58	3725903.96	4.15E-07	8.33E-08	4.98E-07	8.20E-08	1.05E-08	9.24E-08	4.41E-07	4.85E-08	4.89E-07	4.54E-08	3.54E-09	4.89E-08
2455	438488.63	3725607.26	3.50E-07	7.03E-08	4.21E-07	6.92E-08	8.83E-09	7.80E-08	3.72E-07	4.10E-08	4.13E-07	3.83E-08	2.99E-09	4.13E-08
2456	438484.08	3725621.28	3.52E-07	7.07E-08	4.23E-07	6.96E-08	8.88E-09	7.85E-08	3.74E-07	4.12E-08	4.16E-07	3.86E-08	3.01E-09	4.16E-08
2457	438479.53	3725635.31	3.55E-07	7.12E-08	4.26E-07	7.01E-08	8.94E-09	7.90E-08	3.77E-07	4.15E-08	4.19E-07	3.88E-08	3.03E-09	4.19E-08
2458	438474.99	3725649.33	3.58E-07	7.18E-08	4.29E-07	7.06E-08	9.01E-09	7.97E-08	3.80E-07	4.18E-08	4.22E-07	3.91E-08	3.06E-09	4.22E-08
2459	438470.44	3725663.36	3.60E-07	7.23E-08	4.32E-07	7.11E-08	9.07E-09	8.02E-08	3.82E-07	4.21E-08	4.25E-07	3.94E-08	3.08E-09	4.25E-08
2460	438465.89	3725677.38	3.62E-07	7.27E-08	4.35E-07	7.15E-08	9.13E-09	8.07E-08	3.85E-07	4.23E-08	4.27E-07	3.96E-08	3.09E-09	4.27E-08

2461	438461.35	3725691.41	3.64E-07	7.31E-08	4.38E-07	7.20E-08	9.18E-09	8.12E-08	3.87E-07	4.26E-08	4.30E-07	3.99E-08	3.11E-09	4.30E-08
2462	438456.8	3725705.43	3.67E-07	7.37E-08	4.41E-07	7.25E-08	9.25E-09	8.17E-08	3.90E-07	4.29E-08	4.33E-07	4.02E-08	3.14E-09	4.33E-08
2463	438452.25	3725719.46	3.70E-07	7.42E-08	4.44E-07	7.30E-08	9.31E-09	8.23E-08	3.93E-07	4.32E-08	4.36E-07	4.04E-08	3.16E-09	4.36E-08
2464	438447.71	3725733.48	3.72E-07	7.46E-08	4.47E-07	7.35E-08	9.37E-09	8.29E-08	3.95E-07	4.35E-08	4.39E-07	4.07E-08	3.18E-09	4.39E-08
2465	438443.16	3725747.51	3.74E-07	7.51E-08	4.50E-07	7.39E-08	9.43E-09	8.34E-08	3.98E-07	4.38E-08	4.41E-07	4.10E-08	3.20E-09	4.42E-08
2466	438438.61	3725761.53	3.76E-07	7.55E-08	4.52E-07	7.43E-08	9.48E-09	8.38E-08	4.00E-07	4.40E-08	4.44E-07	4.12E-08	3.22E-09	4.44E-08
2467	438434.07	3725775.56	3.78E-07	7.59E-08	4.54E-07	7.48E-08	9.54E-09	8.43E-08	4.02E-07	4.43E-08	4.46E-07	4.14E-08	3.23E-09	4.46E-08
2468	438429.52	3725789.58	3.81E-07	7.64E-08	4.57E-07	7.52E-08	9.59E-09	8.47E-08	4.04E-07	4.45E-08	4.49E-07	4.16E-08	3.25E-09	4.49E-08
2469	438424.97	3725803.61	3.82E-07	7.67E-08	4.59E-07	7.55E-08	9.64E-09	8.52E-08	4.06E-07	4.47E-08	4.51E-07	4.18E-08	3.27E-09	4.51E-08
2470	438420.42	3725817.63	3.84E-07	7.70E-08	4.61E-07	7.58E-08	9.67E-09	8.54E-08	4.07E-07	4.49E-08	4.52E-07	4.20E-08	3.28E-09	4.52E-08
2471	438311.74	3724752.18	2.20E-07	4.41E-08	2.64E-07	4.34E-08	5.54E-09	4.90E-08	2.34E-07	2.57E-08	2.59E-07	2.41E-08	1.88E-09	2.59E-08
2472	438318.43	3724765.35	2.27E-07	4.56E-08	2.73E-07	4.49E-08	5.72E-09	5.06E-08	2.41E-07	2.66E-08	2.68E-07	2.49E-08	1.94E-09	2.68E-08
2473	438325.11	3724778.52	2.34E-07	4.70E-08	2.81E-07	4.63E-08	5.90E-09	5.22E-08	2.49E-07	2.74E-08	2.76E-07	2.56E-08	2.00E-09	2.76E-08
2474	438331.8	3724791.68	2.41E-07	4.83E-08	2.89E-07	4.76E-08	6.07E-09	5.36E-08	2.56E-07	2.82E-08	2.84E-07	2.63E-08	2.06E-09	2.84E-08
2475	438519.26	3725632.64	3.23E-07	6.48E-08	3.88E-07	6.38E-08	8.14E-09	7.19E-08	3.43E-07	3.78E-08	3.81E-07	3.53E-08	2.76E-09	3.81E-08
2476	438514.71	3725646.68	3.25E-07	6.53E-08	3.91E-07	6.43E-08	8.20E-09	7.25E-08	3.46E-07	3.81E-08	3.84E-07	3.56E-08	2.78E-09	3.84E-08
2477	438510.16	3725660.73	3.28E-07	6.58E-08	3.94E-07	6.47E-08	8.26E-09	7.30E-08	3.48E-07	3.83E-08	3.86E-07	3.59E-08	2.80E-09	3.87E-08
2478	438505.6	3725674.78	3.30E-07	6.62E-08	3.96E-07	6.51E-08	8.31E-09	7.34E-08	3.50E-07	3.86E-08	3.89E-07	3.61E-08	2.82E-09	3.89E-08
2479	438501.05	3725688.82	3.32E-07	6.66E-08	3.98E-07	6.55E-08	8.36E-09	7.39E-08	3.52E-07	3.88E-08	3.91E-07	3.63E-08	2.83E-09	3.91E-08
2480	438496.5	3725702.87	3.34E-07	6.70E-08	4.01E-07	6.60E-08	8.42E-09	7.44E-08	3.55E-07	3.91E-08	3.94E-07	3.66E-08	2.85E-09	3.94E-08
2481	438491.94	3725716.92	3.37E-07	6.75E-08	4.04E-07	6.65E-08	8.48E-09	7.49E-08	3.57E-07	3.94E-08	3.97E-07	3.68E-08	2.87E-09	3.97E-08
2482	438487.39	3725730.96	3.38E-07	6.79E-08	4.06E-07	6.68E-08	8.53E-09	7.54E-08	3.59E-07	3.96E-08	3.99E-07	3.70E-08	2.89E-09	3.99E-08
2483	438482.83	3725745.01	3.40E-07	6.83E-08	4.09E-07	6.72E-08	8.58E-09	7.58E-08	3.62E-07	3.98E-08	4.01E-07	3.72E-08	2.91E-09	4.01E-08
2484	438478.28	3725759.06	3.43E-07	6.87E-08	4.11E-07	6.77E-08	8.63E-09	7.63E-08	3.64E-07	4.01E-08	4.04E-07	3.75E-08	2.93E-09	4.04E-08
2485	438302.79	3724740.79	2.14E-07	4.29E-08	2.57E-07	4.22E-08	5.39E-09	4.76E-08	2.27E-07	2.50E-08	2.52E-07	2.34E-08	1.83E-09	2.52E-08
2486	438337.76	3724721.77	2.00E-07	4.02E-08	2.40E-07	3.96E-08	5.05E-09	4.46E-08	2.13E-07	2.34E-08	2.36E-07	2.19E-08	1.71E-09	2.36E-08
2487	438344.39	3724734.82	2.07E-07	4.15E-08	2.48E-07	4.08E-08	5.21E-09	4.60E-08	2.20E-07	2.42E-08	2.44E-07	2.26E-08	1.77E-09	2.44E-08
2488	438351.01	3724747.87	2.13E-07	4.27E-08	2.55E-07	4.20E-08	5.36E-09	4.74E-08	2.26E-07	2.49E-08	2.51E-07	2.33E-08	1.82E-09	2.51E-08
2489	438357.64	3724760.91	2.19E-07	4.39E-08	2.63E-07	4.32E-08	5.51E-09	4.87E-08	2.32E-07	2.56E-08	2.58E-07	2.39E-08	1.87E-09	2.58E-08
2490	438364.27	3724773.96	2.24E-07	4.50E-08	2.69E-07	4.43E-08	5.65E-09	5.00E-08	2.38E-07	2.62E-08	2.65E-07	2.45E-08	1.92E-09	2.65E-08
2491	438370.89	3724787.01	2.30E-07	4.61E-08	2.76E-07	4.54E-08	5.79E-09	5.12E-08	2.44E-07	2.69E-08	2.71E-07	2.51E-08	1.96E-09	2.71E-08
2492	438377.52	3724800.06	2.35E-07	4.72E-08	2.83E-07	4.65E-08	5.93E-09	5.24E-08	2.50E-07	2.75E-08	2.78E-07	2.58E-08	2.01E-09	2.78E-08
2493	438384.14	3724813.11	2.40E-07	4.82E-08	2.88E-07	4.74E-08	6.05E-09	5.35E-08	2.55E-07	2.81E-08	2.83E-07	2.63E-08	2.05E-09	2.83E-08
2494	438390.77	3724826.15	2.45E-07	4.92E-08	2.94E-07	4.84E-08	6.18E-09	5.46E-08	2.60E-07	2.87E-08	2.89E-07	2.68E-08	2.09E-09	2.89E-08
2495	438417.27	3724878.34	2.72E-07	5.46E-08	3.26E-07	5.37E-08	6.85E-09	6.06E-08	2.89E-07	3.18E-08	3.21E-07	2.97E-08	2.32E-09	3.21E-08
2496	438423.9	3724891.39	2.79E-07	5.59E-08	3.35E-07	5.51E-08	7.02E-09	6.21E-08	2.96E-07	3.26E-08	3.29E-07	3.05E-08	2.38E-09	3.29E-08
2497	438430.53	3724904.44	2.85E-07	5.73E-08	3.43E-07	5.64E-08	7.19E-09	6.36E-08	3.03E-07	3.34E-08	3.37E-07	3.12E-08	2.44E-09	3.37E-08
2498	438437.15	3724917.49	2.92E-07	5.86E-08	3.51E-07	5.77E-08	7.36E-09	6.50E-08	3.10E-07	3.41E-08	3.44E-07	3.19E-08	2.49E-09	3.44E-08
2499	438443.78	3724930.54	2.98E-07	5.99E-08	3.58E-07	5.89E-08	7.52E-09	6.64E-08	3.17E-07	3.49E-08	3.52E-07	3.26E-08	2.55E-09	3.52E-08
2500	438450.4	3724943.58	3.04E-07	6.10E-08	3.65E-07	6.00E-08	7.66E-09	6.77E-08	3.23E-07	3.55E-08	3.58E-07	3.32E-08	2.60E-09	3.58E-08
2501	438546.44	3725668.68	3.01E-07	6.04E-08	3.61E-07	5.94E-08	7.58E-09	6.70E-08	3.20E-07	3.52E-08	3.55E-07	3.29E-08	2.57E-09	3.55E-08
2502	438541.93	3725682.6	3.03E-07	6.07E-08	3.63E-07	5.98E-08	7.63E-09	6.74E-08	3.22E-07	3.54E-08	3.57E-07	3.31E-08	2.59E-09	3.57E-08
2503	438537.42	3725696.52	3.05E-07	6.12E-08	3.66E-07	6.02E-08	7.68E-09	6.79E-08	3.24E-07	3.56E-08	3.59E-07	3.33E-08	2.60E-09	3.59E-08
2504	438370.45	3724704.5	1.89E-07	3.79E-08	2.27E-07	3.73E-08	4.76E-09	4.20E-08	2.01E-07	2.21E-08	2.23E-07	2.07E-08	1.61E-09	2.23E-08
2505	438377.09	3724717.57	1.94E-07	3.90E-08	2.33E-07	3.84E-08	4.90E-09	4.33E-08	2.06E-07	2.27E-08	2.29E-07	2.13E-08	1.66E-09	2.29E-08
2506	438383.73	3724730.64	2.00E-07	4.01E-08	2.40E-07	3.95E-08	5.03E-09	4.45E-08	2.12E-07	2.34E-08	2.36E-07	2.19E-08	1.71E-09	2.36E-08
2507	438390.37	3724743.71	2.05E-07	4.12E-08	2.46E-07	4.05E-08	5.17E-09	4.57E-08	2.18E-07	2.40E-08	2.42E-07	2.24E-08	1.75E-09	2.42E-08
2508	438397	3724756.78	2.10E-07	4.22E-08	2.53E-07	4.16E-08	5.30E-09	4.69E-08	2.24E-07	2.46E-08	2.48E-07	2.30E-08	1.80E-09	2.48E-08
2509	438403.64	3724769.85	2.16E-07	4.33E-08	2.59E-07	4.26E-08	5.43E-09	4.80E-08	2.29E-07	2.52E-08	2.54E-07	2.36E-08	1.84E-09	2.54E-08
2510	438410.28	3724782.92	2.21E-07	4.43E-08	2.65E-07	4.36E-08	5.56E-09	4.92E-08	2.34E-07	2.58E-08	2.60E-07	2.41E-08	1.89E-09	2.60E-08
2511	438416.92	3724795.99	2.25E-07	4.51E-08	2.70E-07	4.44E-08	5.66E-09	5.00E-08	2.39E-07	2.63E-08	2.65E-07	2.46E-08	1.92E-09	2.65E-08
2512	438423.55	3724809.06	2.28E-07	4.58E-08	2.74E-07	4.51E-08	5.75E-09	5.08E-08	2.42E-07	2.67E-08	2.69E-07	2.50E-08	1.95E-09	2.69E-08
2513	438430.19	3724822.13	2.33E-07	4.67E-08	2.79E-07	4.59E-08	5.86E-09	5.18E-08	2.47E-07	2.72E-08	2.74E-07	2.54E-08	1.99E-09	2.74E-08
2514	438436.83	3724835.2	2.38E-07	4.78E-08	2.86E-07	4.70E-08	6.00E-09	5.30E-08	2.53E-07	2.79E-08	2.81E-07	2.61E-08	2.03E-09	2.81E-08
2515	438443.47	3724848.27	2.44E-07	4.89E-08	2.93E-07	4.81E-08	6.14E-09	5.43E-08	2.59E-07	2.85E-08	2.87E-07	2.67E-08	2.08E-09	2.87E-08
2516	438450.11	3724861.34	2.50E-07	5.02E-08	3.00E-07	4.94E-08	6.30E-09	5.57E-08	2.66E-07	2.92E-08	2.95E-07	2.74E-08	2.14E-09	2.95E-08
2517	438456.74	3724874.41	2.57E-07	5.15E-08	3.08E-07	5.07E-08	6.46E-09	5.71E-08	2.72E-07	3.00E-08	3.02E-07	2.81E-08	2.19E-09	3.03E-08
2518	438463.38	3724887.49	2.63E-07	5.27E-08	3.15E-07	5.19E-08	6.62E-09	5.85E-08	2.79E-07	3.07E-08	3.10E-07	2.87E-08	2.24E-09	3.10E-08
2519	438470.02	3724900.56	2.69E-07	5.40E-08	3.23E-07	5.32E-08	6.78E-09	5.99E-08	2.86E-07	3.15E-08	3.17E-07	2.94E-08	2.30E-09	3.17E-08
2520	438396.52	3724674.17	1.74E-07	3.48E-08	2.08E-07	3.43E-08	4.37E-09	3.87E-08	1.84E-07	2.03E-08	2.05E-07	1.90E-08	1.48E-09	2.05E-08
2521	438403.17	3724687.26	1.78E-07	3.58E-08	2.14E-07	3.52E-08	4.49E-09	3.97E-08	1.89E-07	2.09E-08	2.10E-07	1.95E-08	1.52E-09	2.10E-08
2522	438409.82	3724700.36	1.83E-07	3.67E-08	2.20E-07	3.62E-08	4.61E-09	4.08E-08	1.94E-07	2.14E-08	2.16E-07	2.00E-08	1.56E-09	2.16E-08
2523	438416.46	3724713.45	1.88E-07	3.77E-08	2.26E-07	3.71E-08	4.73E-09	4.18E-08	2.00E-07	2.20E-08	2.22E-07	2.06E-08	1.61E-09	2.22E-08
2524	438423.11	3724726.54	1.93E-07	3.87E-08	2.31E-07	3.81E-08	4.85E-09	4.29E-08	2.05E-07	2.25E-08	2.27E-07	2.11E-08	1.65E-09	2.27E-08
2525	438429.76	3724739.63	1.97E-07	3.96E-08	2.37E-07	3.90E-08	4.97E-09	4.39E-08	2.10E-07	2.31E-08	2.33E-07	2.16E-08	1.69E-09	2.33E-08
2526	438436.41	3724752.72	2.02E-07	4.05E-08	2.42E-07	3.99E-08	5.09E-09	4.50E-08	2.14E-07	2.36E-08	2.38E-07	2.21E-08	1.72E-09	2.38E-08
2527	438443.06	3724765.81	2.06E-07	4.14E-08	2.48E-07	4.08E-08	5.20E-09	4.60E-08	2.19E-07	2.41E-08	2.43E-07	2.26E-08	1.76E-09	2.43E-08
2528	438449.71	3724778.91	2.11E-07	4.23E-08	2.53E-07	4.16E-08	5.31E-09	4.69E-08	2.24E-07	2.46E-08	2.48E-07	2.30E-08	1.80E-09	2.48E-08
2529	438456.35	3724792	2.15E-07	4.31E-08	2.58E-07	4.24E-08	5.41E-09	4.78E-08	2.28E-07	2.51E-08	2.53E-07	2.35E-08	1.83E-09	2.53E-08
2530	438463	3724805.09	2.19E-07	4.39E-08	2.62E-07	4.32E-08	5.51E-09	4.87E-08	2.32E-07	2.56E-08	2.58E-07	2.39E-08	1.87E-09	2.58E-08
2531	438469.65	3724818.18	2.23E-07	4.47E-08	2.67E-07	4.40E-08	5.61E-09	4.96E-08	2.37E-07	2.60E-08	2.63E-07	2.44E-08	1.90E-09	2.63E-08
2532	438476.3	3724831.27	2.28E-07	4.57E-08	2.73E-07	4.49E-08	5.73E-09	5.07E-08	2.42E-07	2.66E-08	2.68E-07	2.49E-08	1.94E-09	2.68E-08
2533	438482.95	3724844.36	2.33E-07	4.67E-08	2.79E-07	4.59E-08	5.86E-09	5.18E-08	2.47E-07	2.72E-08	2.74E-07	2.54E-08	1.99E-09	2.74E-08
2534	438489.59	3724857.45	2.38E-07	4.78E-08	2.86E-07	4.71E-08	6.00E-09	5.31E-08	2.53E-07	2.79E-08	2.81E-07	2.61E-08	2.04E-09	2.81E-08
2535	438496.24	3724870.55	2.44E-07	4.89E-08	2.93E-07	4.81E-08	6.14E-09	5.43E-08	2.59E-07	2.85E-08	2.87E-07	2.67E-08	2.08E-09	2.87E-08
2536	437835.23	3725488.94	7.09E-06	1.42E-06	8.51E-06	1.40E-06	1.79E-07	1.58E-06	7.53E-06	8.29E-07	8.36E-06	7.75E-07	6.05E-08	8.36E-07
2537	437840.76	3725481.72	7.10E-06	1.42E-06	8.52E-06	1.40E-06	1.79E-07	1.58E-06	7.54E-06	8.30E-07	8.37E-06	7.76E-07	6.06E-08	8.37E-07

2538	437882.86	3725525.43	4.31E-06	8.64E-07	5.17E-06	8.51E-07	1.09E-07	9.59E-07	4.58E-06	5.04E-07	5.08E-06	4.71E-07	3.68E-08	5.08E-07
2539	437898.73	3725537.59	3.72E-06	7.46E-07	4.47E-06	7.35E-07	9.37E-08	8.29E-07	3.95E-06	4.35E-07	4.39E-06	4.07E-07	3.18E-08	4.39E-07
2540	438198.68	3725721.59	7.52E-07	1.51E-07	9.03E-07	1.49E-07	1.90E-08	1.68E-07	7.99E-07	8.80E-08	8.87E-07	8.23E-08	6.43E-09	8.87E-08
2541	438222.49	3725739.84	6.87E-07	1.38E-07	8.25E-07	1.36E-07	1.73E-08	1.53E-07	7.30E-07	8.03E-08	8.10E-07	7.51E-08	5.87E-09	8.10E-08
2542	438280.47	3725795.71	5.52E-07	1.11E-07	6.63E-07	1.09E-07	1.39E-08	1.23E-07	5.87E-07	6.46E-08	6.51E-07	6.04E-08	4.72E-09	6.51E-08
2543	437841.17	3725401.38	1.03E-05	2.07E-06	1.24E-05	2.03E-06	2.59E-07	2.29E-06	1.09E-05	1.20E-06	1.21E-05	1.13E-06	8.79E-08	1.21E-06
2544	437860.69	3725405.49	8.18E-06	1.64E-06	9.83E-06	1.62E-06	2.06E-07	1.82E-06	8.69E-06	9.57E-07	9.65E-06	8.95E-07	6.99E-08	9.65E-07
2545	437899.8	3725413.59	5.46E-06	1.09E-06	6.55E-06	1.08E-06	1.37E-07	1.22E-06	5.80E-06	6.38E-07	6.43E-06	5.97E-07	4.66E-08	6.44E-07
2546	437916.01	3725425.02	4.62E-06	9.26E-07	5.54E-06	9.12E-07	1.16E-07	1.03E-06	4.90E-06	5.40E-07	5.44E-06	5.05E-07	3.94E-08	5.44E-07
2547	437922.73	3725410.18	4.50E-06	9.04E-07	5.41E-06	8.90E-07	1.13E-07	1.00E-06	4.78E-06	5.27E-07	5.31E-06	4.93E-07	3.85E-08	5.31E-07
2548	437926.03	3725393.66	4.54E-06	9.12E-07	5.46E-06	8.97E-07	1.14E-07	1.01E-06	4.83E-06	5.31E-07	5.36E-06	4.97E-07	3.88E-08	5.36E-07
2549	437938.95	3725421.59	3.91E-06	7.85E-07	4.70E-06	7.73E-07	9.86E-08	8.71E-07	4.15E-06	4.57E-07	4.61E-06	4.28E-07	3.34E-08	4.61E-07
2550	437932.15	3725436.59	3.99E-06	8.01E-07	4.79E-06	7.89E-07	1.01E-07	8.89E-07	4.24E-06	4.67E-07	4.71E-06	4.37E-07	3.41E-08	4.71E-07
2551	437955.11	3725433.13	3.43E-06	6.89E-07	4.12E-06	6.78E-07	8.65E-08	7.65E-07	3.65E-06	4.02E-07	4.05E-06	3.76E-07	2.93E-08	4.05E-07
2552	437948.26	3725448.25	3.49E-06	6.99E-07	4.19E-06	6.88E-07	8.78E-08	7.76E-07	3.70E-06	4.08E-07	4.11E-06	3.81E-07	2.98E-08	4.11E-07
2553	437964.32	3725459.99	3.06E-06	6.13E-07	3.67E-06	6.04E-07	7.70E-08	6.81E-07	3.25E-06	3.58E-07	3.61E-06	3.34E-07	2.61E-08	3.61E-07
2554	437980.36	3725471.79	2.69E-06	5.39E-07	3.23E-06	5.31E-07	6.77E-08	5.98E-07	2.85E-06	3.14E-07	3.17E-06	2.94E-07	2.30E-08	3.17E-07
2555	437991.37	3725494.71	2.40E-06	4.81E-07	2.88E-06	4.73E-07	6.04E-08	5.34E-07	2.55E-06	2.80E-07	2.83E-06	2.62E-07	2.05E-08	2.83E-07
2556	438037.11	3725440.96	2.06E-06	4.13E-07	2.47E-06	4.06E-07	5.18E-08	4.58E-07	2.19E-06	2.41E-07	2.43E-06	2.25E-07	1.76E-08	2.43E-07
2557	438030.52	3725455.51	2.08E-06	4.18E-07	2.50E-06	4.12E-07	5.25E-08	4.64E-07	2.21E-06	2.44E-07	2.46E-06	2.28E-07	1.78E-08	2.46E-07
2558	438023.92	3725470.07	2.10E-06	4.22E-07	2.53E-06	4.16E-07	5.30E-08	4.69E-07	2.24E-06	2.46E-07	2.48E-06	2.30E-07	1.80E-08	2.48E-07
2559	438017.33	3725484.62	2.12E-06	4.25E-07	2.54E-06	4.18E-07	5.34E-08	4.72E-07	2.25E-06	2.48E-07	2.50E-06	2.32E-07	1.81E-08	2.50E-07
2560	438010.73	3725499.17	2.13E-06	4.28E-07	2.56E-06	4.21E-07	5.37E-08	4.75E-07	2.26E-06	2.49E-07	2.51E-06	2.33E-07	1.82E-08	2.51E-07
2561	438004.14	3725513.72	2.14E-06	4.30E-07	2.58E-06	4.24E-07	5.40E-08	4.78E-07	2.28E-06	2.51E-07	2.53E-06	2.35E-07	1.83E-08	2.53E-07
2562	438042.06	3725425.43	2.05E-06	4.11E-07	2.46E-06	4.05E-07	5.16E-08	4.56E-07	2.18E-06	2.39E-07	2.41E-06	2.24E-07	1.75E-08	2.42E-07
2563	438062.98	3725454.68	1.75E-06	3.52E-07	2.11E-06	3.46E-07	4.42E-08	3.91E-07	1.86E-06	2.05E-07	2.07E-06	1.92E-07	1.50E-08	2.07E-07
2564	438056.13	3725469.8	1.78E-06	3.57E-07	2.13E-06	3.51E-07	4.48E-08	3.96E-07	1.89E-06	2.08E-07	2.10E-06	1.94E-07	1.52E-08	2.10E-07
2565	438049.27	3725484.92	1.80E-06	3.60E-07	2.16E-06	3.55E-07	4.52E-08	4.00E-07	1.91E-06	2.10E-07	2.12E-06	1.96E-07	1.53E-08	2.12E-07
2566	438042.42	3725500.03	1.81E-06	3.62E-07	2.17E-06	3.57E-07	4.55E-08	4.02E-07	1.92E-06	2.11E-07	2.13E-06	1.98E-07	1.54E-08	2.13E-07
2567	438035.57	3725515.15	1.82E-06	3.65E-07	2.18E-06	3.59E-07	4.58E-08	4.05E-07	1.93E-06	2.13E-07	2.15E-06	1.99E-07	1.55E-08	2.15E-07
2568	438028.72	3725530.27	1.83E-06	3.68E-07	2.20E-06	3.62E-07	4.62E-08	4.08E-07	1.95E-06	2.14E-07	2.16E-06	2.00E-07	1.57E-08	2.16E-07
2569	438018.45	3725552.95	1.85E-06	3.71E-07	2.22E-06	3.65E-07	4.66E-08	4.12E-07	1.96E-06	2.16E-07	2.18E-06	2.02E-07	1.58E-08	2.18E-07
2570	438073.13	3725423.04	1.75E-06	3.50E-07	2.10E-06	3.45E-07	4.40E-08	3.89E-07	1.85E-06	2.04E-07	2.06E-06	1.91E-07	1.49E-08	2.06E-07
2571	438085.79	3725475.13	1.53E-06	3.06E-07	1.83E-06	3.01E-07	3.84E-08	3.40E-07	1.62E-06	1.78E-07	1.80E-06	1.67E-07	1.30E-08	1.80E-07
2572	438079.07	3725489.97	1.54E-06	3.09E-07	1.85E-06	3.05E-07	3.89E-08	3.43E-07	1.64E-06	1.80E-07	1.82E-06	1.69E-07	1.32E-08	1.82E-07
2573	438072.34	3725504.81	1.56E-06	3.12E-07	1.87E-06	3.07E-07	3.92E-08	3.46E-07	1.65E-06	1.82E-07	1.83E-06	1.70E-07	1.33E-08	1.83E-07
2574	438065.61	3725519.65	1.57E-06	3.14E-07	1.88E-06	3.09E-07	3.95E-08	3.49E-07	1.66E-06	1.83E-07	1.85E-06	1.71E-07	1.34E-08	1.85E-07
2575	438058.89	3725534.5	1.58E-06	3.16E-07	1.89E-06	3.11E-07	3.97E-08	3.51E-07	1.67E-06	1.84E-07	1.86E-06	1.72E-07	1.35E-08	1.86E-07
2576	438052.16	3725549.34	1.59E-06	3.19E-07	1.91E-06	3.14E-07	4.00E-08	3.54E-07	1.69E-06	1.86E-07	1.87E-06	1.74E-07	1.36E-08	1.87E-07
2577	438038.71	3725579.03	1.61E-06	3.23E-07	1.94E-06	3.18E-07	4.06E-08	3.59E-07	1.71E-06	1.89E-07	1.90E-06	1.76E-07	1.38E-08	1.90E-07
2578	438111.31	3725489.6	1.34E-06	2.68E-07	1.60E-06	2.64E-07	3.37E-08	2.97E-07	1.42E-06	1.56E-07	1.57E-06	1.46E-07	1.14E-08	1.58E-07
2579	438104.38	3725504.92	1.35E-06	2.72E-07	1.63E-06	2.68E-07	3.41E-08	3.02E-07	1.44E-06	1.58E-07	1.60E-06	1.48E-07	1.16E-08	1.60E-07
2580	438097.44	3725520.23	1.37E-06	2.74E-07	1.64E-06	2.70E-07	3.44E-08	3.04E-07	1.45E-06	1.60E-07	1.61E-06	1.50E-07	1.17E-08	1.61E-07
2581	438090.5	3725535.54	1.37E-06	2.76E-07	1.65E-06	2.71E-07	3.46E-08	3.06E-07	1.46E-06	1.61E-07	1.62E-06	1.50E-07	1.17E-08	1.62E-07
2582	438083.56	3725550.86	1.38E-06	2.77E-07	1.66E-06	2.73E-07	3.48E-08	3.08E-07	1.47E-06	1.62E-07	1.63E-06	1.51E-07	1.18E-08	1.63E-07
2583	438076.62	3725566.17	1.39E-06	2.79E-07	1.67E-06	2.74E-07	3.50E-08	3.09E-07	1.48E-06	1.62E-07	1.64E-06	1.52E-07	1.19E-08	1.64E-07
2584	438127.38	3725524.95	1.20E-06	2.41E-07	1.44E-06	2.37E-07	3.03E-08	2.68E-07	1.28E-06	1.40E-07	1.42E-06	1.31E-07	1.03E-08	1.42E-07
2585	438120.55	3725540.01	1.21E-06	2.43E-07	1.46E-06	2.40E-07	3.06E-08	2.70E-07	1.29E-06	1.42E-07	1.43E-06	1.33E-07	1.04E-08	1.43E-07
2586	438113.73	3725555.07	1.22E-06	2.45E-07	1.47E-06	2.41E-07	3.08E-08	2.72E-07	1.30E-06	1.43E-07	1.44E-06	1.34E-07	1.04E-08	1.44E-07
2587	438106.91	3725570.13	1.23E-06	2.47E-07	1.48E-06	2.43E-07	3.10E-08	2.74E-07	1.31E-06	1.44E-07	1.45E-06	1.34E-07	1.05E-08	1.45E-07
2588	438100.08	3725585.19	1.24E-06	2.48E-07	1.49E-06	2.45E-07	3.12E-08	2.76E-07	1.32E-06	1.45E-07	1.46E-06	1.35E-07	1.06E-08	1.46E-07
2589	438147.14	3725552.13	1.07E-06	2.16E-07	1.29E-06	2.12E-07	2.71E-08	2.39E-07	1.14E-06	1.26E-07	1.27E-06	1.18E-07	9.18E-09	1.27E-07
2590	438140.42	3725566.97	1.08E-06	2.18E-07	1.30E-06	2.14E-07	2.73E-08	2.42E-07	1.15E-06	1.27E-07	1.28E-06	1.19E-07	9.26E-09	1.28E-07
2591	438133.69	3725581.81	1.10E-06	2.20E-07	1.32E-06	2.17E-07	2.77E-08	2.44E-07	1.17E-06	1.28E-07	1.29E-06	1.20E-07	9.38E-09	1.29E-07
2592	438126.97	3725596.66	1.11E-06	2.23E-07	1.33E-06	2.19E-07	2.79E-08	2.47E-07	1.18E-06	1.30E-07	1.31E-06	1.21E-07	9.47E-09	1.31E-07
2593	438120.24	3725611.5	1.11E-06	2.23E-07	1.34E-06	2.20E-07	2.80E-08	2.48E-07	1.18E-06	1.30E-07	1.31E-06	1.22E-07	9.51E-09	1.31E-07
2594	438178.98	3725552.68	9.49E-07	1.90E-07	1.14E-06	1.88E-07	2.39E-08	2.11E-07	1.01E-06	1.11E-07	1.12E-06	1.04E-07	8.11E-09	1.12E-07
2595	438172.08	3725567.9	9.62E-07	1.93E-07	1.16E-06	1.90E-07	2.42E-08	2.14E-07	1.02E-06	1.13E-07	1.13E-06	1.05E-07	8.22E-09	1.13E-07
2596	438165.18	3725583.12	9.74E-07	1.95E-07	1.17E-06	1.92E-07	2.45E-08	2.17E-07	1.03E-06	1.14E-07	1.15E-06	1.07E-07	8.32E-09	1.15E-07
2597	438158.28	3725598.35	9.85E-07	1.98E-07	1.18E-06	1.95E-07	2.48E-08	2.19E-07	1.05E-06	1.15E-07	1.16E-06	1.08E-07	8.41E-09	1.16E-07
2598	438151.38	3725613.57	9.91E-07	1.99E-07	1.19E-06	1.96E-07	2.50E-08	2.21E-07	1.05E-06	1.16E-07	1.17E-06	1.08E-07	8.47E-09	1.17E-07
2599	438144.48	3725628.79	9.96E-07	2.00E-07	1.20E-06	1.97E-07	2.51E-08	2.22E-07	1.06E-06	1.17E-07	1.17E-06	1.09E-07	8.51E-09	1.18E-07
2600	438198.7	3725579.96	8.62E-07	1.73E-07	1.03E-06	1.70E-07	2.17E-08	1.92E-07	9.15E-07	1.01E-07	1.02E-06	9.43E-08	7.36E-09	1.02E-07
2601	438191.89	3725594.98	8.71E-07	1.75E-07	1.05E-06	1.72E-07	2.19E-08	1.94E-07	9.25E-07	1.02E-07	1.03E-06	9.52E-08	7.44E-09	1.03E-07
2602	438185.08	3725610	8.81E-07	1.77E-07	1.06E-06	1.74E-07	2.22E-08	1.96E-07	9.35E-07	1.03E-07	1.04E-06	9.63E-08	7.52E-09	1.04E-07
2603	438178.28	3725625.02	8.89E-07	1.78E-07	1.07E-06	1.76E-07	2.24E-08	1.98E-07	9.44E-07	1.04E-07	1.05E-06	9.72E-08	7.59E-09	1.05E-07
2604	438171.47	3725640.04	8.96E-07	1.80E-07	1.08E-06	1.77E-07	2.26E-08	1.99E-07	9.51E-07	1.05E-07	1.06E-06	9.80E-08	7.65E-09	1.06E-07
2605	438164.66	3725655.06	9.01E-07	1.81E-07	1.08E-06	1.78E-07	2.27E-08	2.01E-07	9.57E-07	1.05E-07	1.06E-06	9.86E-08	7.70E-09	1.06E-07
2606	438225.31	3725592.02	7.77E-07	1.56E-07	9.33E-07	1.53E-07	1.96E-08	1.73E-07	8.25E-07	9.08E-08	9.16E-07	8.50E-08	6.64E-09	9.16E-08
2607	438218.59	3725606.87	7.86E-07	1.58E-07	9.44E-07	1.55E-07	1.98E-08	1.75E-07	8.35E-07	9.20E-08	9.27E-07	8.60E-08	6.72E-09	9.27E-08
2608	438211.86	3725621.71	7.95E-07	1.60E-07	9.55E-07	1.57E-07	2.00E-08	1.77E-07	8.44E-07	9.30E-08	9.37E-07	8.70E-08	6.79E-09	9.38E-08
2609	438205.13	3725636.55	8.03E-07	1.61E-07	9.64E-07	1.59E-07	2.02E-08	1.79E-07	8.53E-07	9.39E-08	9.47E-07	8.78E-08	6.86E-09	9.47E-08
2610	438198.41	3725651.39	8.10E-07	1.62E-07	9.72E-07	1.60E-07	2.04E-08	1.80E-07	8.60E-07	9.47E-08	9.55E-07	8.86E-08	6.91E-09	9.55E-08
2611	438191.68	3725666.24	8.15E-07	1.64E-07	9.79E-07	1.61E-07	2.05E-08	1.82E-07	8.66E-07	9.53E-08	9.61E-07	8.92E-08	6.96E-09	9.61E-08
2612	438275.76	3725480.7	6.99E-07	1.40E-07	8.39E-07	1.38E-07	1.76E-08	1.56E-07	7.42E-07	8.17E-08	8.24E-07	7.65E-08	5.97E-09	8.24E-08
2613	438301.74	3725494.16	6.34E-07	1.27E-07	7.61E-07	1.25E-07	1.60E-08	1.41E-07	6.73E-07	7.41E-08	7.47E-07	6.93E-08	5.41E-09	7.47E-08
2614	438236.47	3725638.2	7.22E-07	1.45E-07	8.67E-07	1.43E-07	1.82E-08	1.61E-07	7.67E-07	8.44E-08	8.52E-07	7.90E-08	6.17E-09	8.52E-08

2615	438229.6	3725653.36	7.30E-07	1.47E-07	8.77E-07	1.44E-07	1.84E-08	1.63E-07	7.76E-07	8.54E-08	8.61E-07	7.99E-08	6.24E-09	8.61E-08
2616	438222.73	3725668.52	7.37E-07	1.48E-07	8.85E-07	1.46E-07	1.86E-08	1.64E-07	7.83E-07	8.62E-08	8.69E-07	8.06E-08	6.30E-09	8.69E-08
2617	438215.86	3725683.69	7.43E-07	1.49E-07	8.92E-07	1.47E-07	1.87E-08	1.65E-07	7.89E-07	8.69E-08	8.76E-07	8.12E-08	6.34E-09	8.76E-08
2618	438306.83	3725478.32	6.29E-07	1.26E-07	7.55E-07	1.24E-07	1.58E-08	1.40E-07	6.68E-07	7.35E-08	7.42E-07	6.88E-08	5.37E-09	7.42E-08
2619	438293.83	3725582.41	6.20E-07	1.24E-07	7.45E-07	1.23E-07	1.56E-08	1.38E-07	6.59E-07	7.26E-08	7.32E-07	6.79E-08	5.30E-09	7.32E-08
2620	438287.04	3725597.4	6.29E-07	1.26E-07	7.56E-07	1.24E-07	1.59E-08	1.40E-07	6.69E-07	7.36E-08	7.42E-07	6.89E-08	5.38E-09	7.42E-08
2621	438280.24	3725612.4	6.37E-07	1.28E-07	7.64E-07	1.26E-07	1.60E-08	1.42E-07	6.76E-07	7.45E-08	7.51E-07	6.97E-08	5.44E-09	7.51E-08
2622	438273.45	3725627.39	6.44E-07	1.29E-07	7.73E-07	1.27E-07	1.62E-08	1.43E-07	6.84E-07	7.53E-08	7.59E-07	7.04E-08	5.50E-09	7.59E-08
2623	438266.65	3725642.38	6.52E-07	1.31E-07	7.83E-07	1.29E-07	1.64E-08	1.45E-07	6.93E-07	7.62E-08	7.69E-07	7.13E-08	5.57E-09	7.69E-08
2624	438259.86	3725657.38	6.60E-07	1.32E-07	7.92E-07	1.30E-07	1.66E-08	1.47E-07	7.01E-07	7.71E-08	7.78E-07	7.22E-08	5.63E-09	7.78E-08
2625	438253.07	3725672.37	6.67E-07	1.34E-07	8.00E-07	1.32E-07	1.68E-08	1.48E-07	7.08E-07	7.80E-08	7.86E-07	7.29E-08	5.69E-09	7.86E-08
2626	438246.27	3725687.36	6.73E-07	1.35E-07	8.08E-07	1.33E-07	1.70E-08	1.50E-07	7.15E-07	7.87E-08	7.93E-07	7.36E-08	5.75E-09	7.93E-08
2627	438239.48	3725702.35	6.78E-07	1.36E-07	8.14E-07	1.34E-07	1.71E-08	1.51E-07	7.20E-07	7.93E-08	8.00E-07	7.42E-08	5.79E-09	8.00E-08
2628	438319.16	3725620.92	5.59E-07	1.12E-07	6.72E-07	1.10E-07	1.41E-08	1.25E-07	5.94E-07	6.54E-08	6.60E-07	6.12E-08	4.78E-09	6.60E-08
2629	438312.32	3725636	5.67E-07	1.14E-07	6.80E-07	1.12E-07	1.43E-08	1.26E-07	6.02E-07	6.63E-08	6.68E-07	6.20E-08	4.84E-09	6.68E-08
2630	438305.49	3725651.07	5.74E-07	1.15E-07	6.89E-07	1.13E-07	1.45E-08	1.28E-07	6.10E-07	6.71E-08	6.77E-07	6.28E-08	4.90E-09	6.77E-08
2631	438298.66	3725666.15	5.81E-07	1.17E-07	6.98E-07	1.15E-07	1.46E-08	1.29E-07	6.17E-07	6.80E-08	6.85E-07	6.36E-08	4.96E-09	6.85E-08
2632	438291.83	3725681.23	5.88E-07	1.18E-07	7.06E-07	1.16E-07	1.48E-08	1.31E-07	6.24E-07	6.87E-08	6.93E-07	6.43E-08	5.02E-09	6.93E-08
2633	438284.99	3725696.31	5.94E-07	1.19E-07	7.13E-07	1.17E-07	1.50E-08	1.32E-07	6.31E-07	6.95E-08	7.00E-07	6.50E-08	5.07E-09	7.00E-08
2634	438278.16	3725711.39	5.99E-07	1.20E-07	7.20E-07	1.18E-07	1.51E-08	1.33E-07	6.37E-07	7.01E-08	7.07E-07	6.56E-08	5.12E-09	7.07E-08
2635	438271.33	3725726.47	6.04E-07	1.21E-07	7.25E-07	1.19E-07	1.52E-08	1.35E-07	6.42E-07	7.06E-08	7.12E-07	6.61E-08	5.16E-09	7.12E-08
2636	438264.49	3725741.55	6.08E-07	1.22E-07	7.30E-07	1.20E-07	1.53E-08	1.35E-07	6.46E-07	7.11E-08	7.17E-07	6.65E-08	5.19E-09	7.17E-08
2637	438351.24	3725644.52	5.01E-07	1.01E-07	6.01E-07	9.89E-08	1.26E-08	1.12E-07	5.32E-07	5.86E-08	5.91E-07	5.48E-08	4.28E-09	5.91E-08
2638	438344.37	3725659.67	5.07E-07	1.02E-07	6.09E-07	1.00E-07	1.28E-08	1.13E-07	5.39E-07	5.93E-08	5.98E-07	5.55E-08	4.33E-09	5.98E-08
2639	438337.5	3725674.83	5.14E-07	1.03E-07	6.17E-07	1.01E-07	1.29E-08	1.14E-07	5.46E-07	6.01E-08	6.06E-07	5.62E-08	4.39E-09	6.06E-08
2640	438330.63	3725689.98	5.20E-07	1.04E-07	6.25E-07	1.03E-07	1.31E-08	1.16E-07	5.53E-07	6.08E-08	6.13E-07	5.69E-08	4.44E-09	6.14E-08
2641	438323.77	3725705.14	5.27E-07	1.06E-07	6.32E-07	1.04E-07	1.33E-08	1.17E-07	5.59E-07	6.16E-08	6.21E-07	5.76E-08	4.50E-09	6.21E-08
2642	438316.9	3725720.29	5.32E-07	1.07E-07	6.39E-07	1.05E-07	1.34E-08	1.19E-07	5.65E-07	6.22E-08	6.28E-07	5.82E-08	4.55E-09	6.28E-08
2643	438310.03	3725735.45	5.36E-07	1.08E-07	6.44E-07	1.06E-07	1.35E-08	1.19E-07	5.70E-07	6.27E-08	6.32E-07	5.87E-08	4.58E-09	6.33E-08
2644	438303.16	3725750.6	5.40E-07	1.08E-07	6.49E-07	1.07E-07	1.36E-08	1.20E-07	5.74E-07	6.32E-08	6.37E-07	5.91E-08	4.62E-09	6.37E-08
2645	438296.3	3725765.76	5.44E-07	1.09E-07	6.54E-07	1.08E-07	1.37E-08	1.21E-07	5.78E-07	6.37E-08	6.42E-07	5.96E-08	4.65E-09	6.42E-08
2646	438386.73	3725660.58	4.49E-07	9.00E-08	5.39E-07	8.86E-08	1.13E-08	9.99E-08	4.77E-07	5.25E-08	5.29E-07	4.91E-08	3.83E-09	5.29E-08
2647	438379.84	3725675.81	4.54E-07	9.12E-08	5.46E-07	8.97E-08	1.14E-08	1.01E-07	4.83E-07	5.31E-08	5.36E-07	4.97E-08	3.88E-09	5.36E-08
2648	438372.94	3725691.03	4.60E-07	9.22E-08	5.52E-07	9.08E-08	1.16E-08	1.02E-07	4.88E-07	5.37E-08	5.42E-07	5.03E-08	3.93E-09	5.42E-08
2649	438366.04	3725706.25	4.65E-07	9.34E-08	5.59E-07	9.19E-08	1.17E-08	1.04E-07	4.94E-07	5.44E-08	5.49E-07	5.09E-08	3.98E-09	5.49E-08
2650	438359.14	3725721.48	4.71E-07	9.45E-08	5.66E-07	9.30E-08	1.19E-08	1.05E-07	5.00E-07	5.51E-08	5.55E-07	5.15E-08	4.02E-09	5.56E-08
2651	438352.24	3725736.7	4.76E-07	9.56E-08	5.72E-07	9.41E-08	1.20E-08	1.06E-07	5.06E-07	5.57E-08	5.62E-07	5.21E-08	4.07E-09	5.62E-08
2652	438345.34	3725751.93	4.81E-07	9.66E-08	5.78E-07	9.51E-08	1.21E-08	1.07E-07	5.11E-07	5.63E-08	5.68E-07	5.27E-08	4.11E-09	5.68E-08
2653	438338.44	3725767.15	4.86E-07	9.75E-08	5.83E-07	9.60E-08	1.22E-08	1.08E-07	5.16E-07	5.68E-08	5.73E-07	5.32E-08	4.15E-09	5.73E-08
2654	438331.54	3725782.37	4.89E-07	9.82E-08	5.88E-07	9.67E-08	1.23E-08	1.09E-07	5.20E-07	5.72E-08	5.77E-07	5.35E-08	4.18E-09	5.77E-08
2655	438467.25	3725577.29	3.74E-07	7.50E-08	4.49E-07	7.38E-08	9.42E-09	8.32E-08	3.97E-07	4.37E-08	4.41E-07	4.09E-08	3.19E-09	4.41E-08
2656	438411.84	3725699.58	4.13E-07	8.28E-08	4.95E-07	8.15E-08	1.04E-08	9.19E-08	4.38E-07	4.82E-08	4.86E-07	4.51E-08	3.52E-09	4.87E-08
2657	438404.91	3725714.86	4.18E-07	8.39E-08	5.02E-07	8.26E-08	1.05E-08	9.31E-08	4.44E-07	4.89E-08	4.93E-07	4.57E-08	3.57E-09	4.93E-08
2658	438397.99	3725730.15	4.23E-07	8.49E-08	5.08E-07	8.36E-08	1.07E-08	9.42E-08	4.49E-07	4.95E-08	4.99E-07	4.63E-08	3.61E-09	4.99E-08
2659	438391.06	3725745.43	4.28E-07	8.58E-08	5.14E-07	8.45E-08	1.08E-08	9.53E-08	4.54E-07	5.00E-08	5.04E-07	4.68E-08	3.65E-09	5.05E-08
2660	438384.13	3725760.72	4.32E-07	8.67E-08	5.19E-07	8.54E-08	1.09E-08	9.63E-08	4.59E-07	5.05E-08	5.10E-07	4.73E-08	3.69E-09	5.10E-08
2661	438377.21	3725776.01	4.36E-07	8.75E-08	5.24E-07	8.62E-08	1.10E-08	9.72E-08	4.63E-07	5.10E-08	5.14E-07	4.77E-08	3.73E-09	5.14E-08
2662	438370.28	3725791.29	4.40E-07	8.83E-08	5.28E-07	8.69E-08	1.11E-08	9.80E-08	4.67E-07	5.14E-08	5.19E-07	4.81E-08	3.76E-09	5.19E-08
2663	438363.35	3725806.58	4.44E-07	8.90E-08	5.33E-07	8.76E-08	1.12E-08	9.88E-08	4.71E-07	5.19E-08	5.23E-07	4.85E-08	3.79E-09	5.23E-08
2664	438492.48	3725616.01	3.46E-07	6.94E-08	4.15E-07	6.83E-08	8.72E-09	7.71E-08	3.67E-07	4.05E-08	4.08E-07	3.78E-08	2.96E-09	4.08E-08
2665	438443.82	3725723.4	3.77E-07	7.56E-08	4.52E-07	7.44E-08	9.49E-09	8.39E-08	4.00E-07	4.41E-08	4.44E-07	4.12E-08	3.22E-09	4.44E-08
2666	438436.87	3725738.74	3.81E-07	7.65E-08	4.58E-07	7.53E-08	9.61E-09	8.49E-08	4.05E-07	4.46E-08	4.50E-07	4.17E-08	3.26E-09	4.50E-08
2667	438429.92	3725754.08	3.86E-07	7.74E-08	4.63E-07	7.62E-08	9.72E-09	8.59E-08	4.10E-07	4.51E-08	4.55E-07	4.22E-08	3.29E-09	4.55E-08
2668	438422.96	3725769.43	3.90E-07	7.83E-08	4.68E-07	7.71E-08	9.83E-09	8.69E-08	4.14E-07	4.56E-08	4.60E-07	4.27E-08	3.33E-09	4.60E-08
2669	438416.01	3725784.77	3.94E-07	7.91E-08	4.73E-07	7.79E-08	9.94E-09	8.78E-08	4.19E-07	4.61E-08	4.65E-07	4.31E-08	3.37E-09	4.65E-08
2670	438409.06	3725800.11	3.98E-07	7.99E-08	4.78E-07	7.87E-08	1.00E-08	8.87E-08	4.23E-07	4.66E-08	4.70E-07	4.36E-08	3.40E-09	4.70E-08
2671	438402.11	3725815.45	4.02E-07	8.06E-08	4.82E-07	7.93E-08	1.01E-08	8.94E-08	4.27E-07	4.70E-08	4.73E-07	4.39E-08	3.43E-09	4.74E-08
2672	438395.15	3725830.79	4.04E-07	8.11E-08	4.85E-07	7.98E-08	1.02E-08	9.00E-08	4.29E-07	4.73E-08	4.77E-07	4.42E-08	3.45E-09	4.77E-08
2673	438474.41	3725750.28	3.47E-07	6.96E-08	4.16E-07	6.85E-08	8.74E-09	7.72E-08	3.68E-07	4.06E-08	4.09E-07	3.79E-08	2.96E-09	4.09E-08
2674	438467.59	3725765.34	3.50E-07	7.03E-08	4.21E-07	6.92E-08	8.83E-09	7.81E-08	3.72E-07	4.10E-08	4.13E-07	3.83E-08	2.99E-09	4.13E-08
2675	438460.77	3725780.4	3.54E-07	7.10E-08	4.25E-07	6.99E-08	8.92E-09	7.88E-08	3.76E-07	4.14E-08	4.17E-07	3.87E-08	3.02E-09	4.17E-08
2676	437812.9	3725342.69	1.82E-05	3.66E-06	2.19E-05	3.60E-06	4.60E-07	4.06E-06	1.94E-05	2.13E-06	2.15E-05	2.00E-06	1.56E-07	2.15E-06
2677	437869.33	3725369.35	8.12E-06	1.63E-06	9.74E-06	1.60E-06	2.05E-07	1.81E-06	8.62E-06	9.49E-07	9.57E-06	8.88E-07	6.93E-08	9.57E-07
2678	437910.19	3725367.35	5.48E-06	1.10E-06	6.58E-06	1.08E-06	1.38E-07	1.22E-06	5.82E-06	6.41E-07	6.47E-06	6.00E-07	4.68E-08	6.47E-07
2679	437951.05	3725365.36	3.99E-06	8.00E-07	4.79E-06	7.87E-07	1.00E-07	8.88E-07	4.23E-06	4.66E-07	4.70E-06	4.36E-07	3.40E-08	4.70E-07
2680	437966.62	3725394.01	3.43E-06	6.87E-07	4.11E-06	6.77E-07	8.63E-08	7.63E-07	3.64E-06	4.01E-07	4.04E-06	3.75E-07	2.93E-08	4.04E-07
2681	437970.79	3725368.59	3.46E-06	6.94E-07	4.15E-06	6.83E-07	8.71E-08	7.70E-07	3.67E-06	4.04E-07	4.08E-06	3.78E-07	2.95E-08	4.08E-07
2682	438044.64	3725412.07	2.06E-06	4.13E-07	2.47E-06	4.07E-07	5.19E-08	4.59E-07	2.19E-06	2.41E-07	2.43E-06	2.25E-07	1.76E-08	2.43E-07
2683	438046.95	3725398.49	2.08E-06	4.16E-07	2.49E-06	4.10E-07	5.23E-08	4.62E-07	2.20E-06	2.43E-07	2.45E-06	2.27E-07	1.77E-08	2.45E-07
2684	438049.73	3725381.54	2.09E-06	4.19E-07	2.51E-06	4.13E-07	5.27E-08	4.65E-07	2.22E-06	2.44E-07	2.46E-06	2.29E-07	1.78E-08	2.46E-07
2685	438075.17	3725411.82	1.75E-06	3.52E-07	2.11E-06	3.47E-07	4.42E-08	3.91E-07	1.86E-06	2.05E-07	2.07E-06	1.92E-07	1.50E-08	2.07E-07
2686	438077.95	3725394.87	1.76E-06	3.54E-07	2.12E-06	3.48E-07	4.44E-08	3.93E-07	1.87E-06	2.06E-07	2.08E-06	1.93E-07	1.51E-08	2.08E-07
2687	438103.66	3725422.8	1.50E-06	3.00E-07	1.80E-06	2.96E-07	3.77E-08	3.34E-07	1.59E-06	1.75E-07	1.77E-06	1.64E-07	1.28E-08	1.77E-07
2688	438106.16	3725408.2	1.51E-06	3.02E-07	1.81E-06	2.97E-07	3.79E-08	3.35E-07	1.60E-06	1.76E-07	1.78E-06	1.65E-07	1.29E-08	1.78E-07
2689	438108.94	3725391.26	1.51E-06	3.03E-07	1.81E-06	2.98E-07	3.80E-08	3.36E-07	1.60E-06	1.77E-07	1.78E-06	1.65E-07	1.29E-08	1.78E-07
2690	438137.16	3725404.59	1.30E-06	2.61E-07	1.56E-06	2.57E-07	3.28E-08	2.89E-07	1.38E-06	1.52E-07	1.53E-06	1.42E-07	1.11E-08	1.53E-07
2691	438168.15	3725400.97	1.13E-06	2.26E-07	1.35E-06	2.23E-07	2.84E-08	2.51E-07	1.20E-06	1.32E-07	1.33E-06	1.23E-07	9.63E-09	1.33E-07

2692	437833.41	3725344.43	1.34E-05	2.69E-06	1.61E-05	2.65E-06	3.38E-07	2.99E-06	1.43E-05	1.57E-06	1.58E-05	1.47E-06	1.15E-07	1.58E-06
2693	437889.05	3725368.72	6.59E-06	1.32E-06	7.91E-06	1.30E-06	1.66E-07	1.47E-06	7.00E-06	7.71E-07	7.77E-06	7.21E-07	5.63E-08	7.77E-07
2694	438007.44	3725390.39	2.65E-06	5.31E-07	3.18E-06	5.23E-07	6.67E-08	5.90E-07	2.81E-06	3.10E-07	3.12E-06	2.90E-07	2.26E-08	3.12E-07
2695	437916.95	3725342.6	5.42E-06	1.09E-06	6.51E-06	1.07E-06	1.37E-07	1.21E-06	5.76E-06	6.34E-07	6.39E-06	5.93E-07	4.63E-08	6.40E-07
2696	437957.74	3725345.41	3.90E-06	7.83E-07	4.68E-06	7.70E-07	9.83E-08	8.69E-07	4.14E-06	4.56E-07	4.60E-06	4.27E-07	3.33E-08	4.60E-07
2697	437979.3	3725342.74	3.35E-06	6.71E-07	4.02E-06	6.61E-07	8.43E-08	7.45E-07	3.55E-06	3.91E-07	3.95E-06	3.66E-07	2.86E-08	3.95E-07
2698	438013.11	3725370.02	2.62E-06	5.25E-07	3.14E-06	5.17E-07	6.60E-08	5.83E-07	2.78E-06	3.06E-07	3.09E-06	2.86E-07	2.24E-08	3.09E-07
2699	438034.67	3725367.35	2.31E-06	4.64E-07	2.78E-06	4.57E-07	5.83E-08	5.15E-07	2.46E-06	2.71E-07	2.73E-06	2.53E-07	1.98E-08	2.73E-07
2700	438058.56	3725356.53	2.04E-06	4.09E-07	2.45E-06	4.03E-07	5.14E-08	4.54E-07	2.17E-06	2.38E-07	2.40E-06	2.23E-07	1.74E-08	2.40E-07
2701	438113.93	3725381.14	1.48E-06	2.98E-07	1.78E-06	2.93E-07	3.74E-08	3.30E-07	1.58E-06	1.74E-07	1.75E-06	1.62E-07	1.27E-08	1.75E-07
2702	438142.78	3725389.37	1.28E-06	2.57E-07	1.54E-06	2.53E-07	3.22E-08	2.85E-07	1.36E-06	1.50E-07	1.51E-06	1.40E-07	1.09E-08	1.51E-07
2703	437863.61	3725276.91	9.06E-06	1.82E-06	1.09E-05	1.79E-06	2.28E-07	2.02E-06	9.62E-06	1.06E-06	1.07E-05	9.91E-07	7.74E-08	1.07E-06
2704	437899.21	3725260.63	6.16E-06	1.24E-06	7.39E-06	1.22E-06	1.55E-07	1.37E-06	6.54E-06	7.20E-07	7.26E-06	6.74E-07	5.26E-08	7.26E-07
2705	437918.14	3725263.26	5.28E-06	1.06E-06	6.34E-06	1.04E-06	1.33E-07	1.18E-06	5.61E-06	6.17E-07	6.22E-06	5.77E-07	4.51E-08	6.22E-07
2706	437996.16	3725295.49	3.03E-06	6.08E-07	3.64E-06	5.99E-07	7.64E-08	6.75E-07	3.22E-06	3.54E-07	3.57E-06	3.32E-07	2.59E-08	3.57E-07
2707	438016.21	3725308.76	2.67E-06	5.35E-07	3.20E-06	5.27E-07	6.72E-08	5.94E-07	2.83E-06	3.12E-07	3.14E-06	2.92E-07	2.28E-08	3.14E-07
2708	438017.18	3725317.96	2.65E-06	5.32E-07	3.18E-06	5.23E-07	6.68E-08	5.90E-07	2.81E-06	3.10E-07	3.12E-06	2.90E-07	2.26E-08	3.12E-07
2709	438018.15	3725327.16	2.63E-06	5.27E-07	3.16E-06	5.19E-07	6.62E-08	5.85E-07	2.79E-06	3.07E-07	3.10E-06	2.88E-07	2.25E-08	3.10E-07
2710	438019.12	3725336.36	2.60E-06	5.22E-07	3.12E-06	5.13E-07	6.55E-08	5.79E-07	2.76E-06	3.04E-07	3.07E-06	2.84E-07	2.22E-08	3.07E-07
2711	438032.65	3725287.72	2.40E-06	4.81E-07	2.88E-06	4.74E-07	6.04E-08	5.34E-07	2.55E-06	2.80E-07	2.83E-06	2.62E-07	2.05E-08	2.83E-07
2712	438033.6	3725296.77	2.39E-06	4.80E-07	2.87E-06	4.72E-07	6.03E-08	5.33E-07	2.54E-06	2.80E-07	2.82E-06	2.62E-07	2.04E-08	2.82E-07
2713	438034.56	3725305.81	2.38E-06	4.78E-07	2.86E-06	4.70E-07	6.00E-08	5.30E-07	2.53E-06	2.78E-07	2.81E-06	2.60E-07	2.03E-08	2.81E-07
2714	438035.51	3725314.86	2.37E-06	4.75E-07	2.84E-06	4.67E-07	5.96E-08	5.27E-07	2.51E-06	2.77E-07	2.79E-06	2.59E-07	2.02E-08	2.79E-07
2715	438055.74	3725329.78	2.09E-06	4.19E-07	2.51E-06	4.12E-07	5.26E-08	4.65E-07	2.22E-06	2.44E-07	2.46E-06	2.28E-07	1.78E-08	2.46E-07
2716	438056.68	3725338.69	2.07E-06	4.16E-07	2.49E-06	4.09E-07	5.22E-08	4.62E-07	2.20E-06	2.42E-07	2.44E-06	2.27E-07	1.77E-08	2.44E-07
2717	438083.58	3725328.43	1.79E-06	3.58E-07	2.14E-06	3.53E-07	4.50E-08	3.98E-07	1.90E-06	2.09E-07	2.11E-06	1.95E-07	1.53E-08	2.11E-07
2718	438084.53	3725337.51	1.77E-06	3.56E-07	2.13E-06	3.50E-07	4.47E-08	3.95E-07	1.88E-06	2.07E-07	2.09E-06	1.94E-07	1.52E-08	2.09E-07
2719	438085.49	3725346.59	1.76E-06	3.53E-07	2.11E-06	3.48E-07	4.44E-08	3.92E-07	1.87E-06	2.06E-07	2.08E-06	1.93E-07	1.50E-08	2.08E-07
2720	438086.45	3725355.67	1.75E-06	3.50E-07	2.10E-06	3.45E-07	4.40E-08	3.89E-07	1.85E-06	2.04E-07	2.06E-06	1.91E-07	1.49E-08	2.06E-07
2721	438110.62	3725319.48	1.55E-06	3.12E-07	1.87E-06	3.07E-07	3.92E-08	3.46E-07	1.65E-06	1.82E-07	1.83E-06	1.70E-07	1.33E-08	1.83E-07
2722	438111.56	3725328.4	1.54E-06	3.10E-07	1.85E-06	3.05E-07	3.89E-08	3.44E-07	1.64E-06	1.80E-07	1.82E-06	1.69E-07	1.32E-08	1.82E-07
2723	438113.44	3725346.23	1.52E-06	3.05E-07	1.82E-06	3.00E-07	3.82E-08	3.38E-07	1.61E-06	1.77E-07	1.79E-06	1.66E-07	1.30E-08	1.79E-07
2724	438137.47	3725308.76	1.36E-06	2.72E-07	1.63E-06	2.68E-07	3.42E-08	3.02E-07	1.44E-06	1.59E-07	1.60E-06	1.48E-07	1.16E-08	1.60E-07
2725	438138.42	3725317.82	1.35E-06	2.70E-07	1.62E-06	2.66E-07	3.39E-08	3.00E-07	1.43E-06	1.58E-07	1.59E-06	1.47E-07	1.15E-08	1.59E-07
2726	438139.38	3725326.88	1.34E-06	2.68E-07	1.61E-06	2.64E-07	3.37E-08	2.98E-07	1.42E-06	1.56E-07	1.58E-06	1.46E-07	1.14E-08	1.58E-07
2727	438140.33	3725335.93	1.33E-06	2.67E-07	1.60E-06	2.62E-07	3.35E-08	2.96E-07	1.41E-06	1.55E-07	1.57E-06	1.45E-07	1.13E-08	1.57E-07
2728	438164.28	3725297.65	1.19E-06	2.38E-07	1.43E-06	2.35E-07	2.99E-08	2.64E-07	1.26E-06	1.39E-07	1.40E-06	1.30E-07	1.01E-08	1.40E-07
2729	438165.25	3725306.83	1.18E-06	2.37E-07	1.42E-06	2.33E-07	2.98E-08	2.63E-07	1.25E-06	1.38E-07	1.39E-06	1.29E-07	1.01E-08	1.39E-07
2730	438166.21	3725316.01	1.17E-06	2.36E-07	1.41E-06	2.32E-07	2.96E-08	2.62E-07	1.25E-06	1.37E-07	1.39E-06	1.28E-07	1.00E-08	1.39E-07
2731	438167.18	3725325.19	1.17E-06	2.34E-07	1.40E-06	2.30E-07	2.94E-08	2.60E-07	1.24E-06	1.36E-07	1.38E-06	1.28E-07	9.97E-09	1.38E-07
2732	438172.99	3725380.26	1.12E-06	2.24E-07	1.34E-06	2.21E-07	2.82E-08	2.49E-07	1.19E-06	1.31E-07	1.32E-06	1.22E-07	9.54E-09	1.32E-07
2733	438194.23	3725316.33	1.04E-06	2.08E-07	1.24E-06	2.05E-07	2.61E-08	2.31E-07	1.10E-06	1.21E-07	1.22E-06	1.13E-07	8.85E-09	1.22E-07
2734	438199.95	3725370.55	9.94E-07	1.99E-07	1.19E-06	1.96E-07	2.50E-08	2.21E-07	1.06E-06	1.16E-07	1.17E-06	1.09E-07	8.49E-09	1.17E-07
2735	438200.9	3725379.59	9.86E-07	1.98E-07	1.18E-06	1.95E-07	2.49E-08	2.20E-07	1.05E-06	1.15E-07	1.16E-06	1.08E-07	8.43E-09	1.16E-07
2736	438201.85	3725388.63	9.78E-07	1.96E-07	1.17E-06	1.93E-07	2.47E-08	2.18E-07	1.04E-06	1.14E-07	1.15E-06	1.07E-07	8.36E-09	1.15E-07
2737	438226.83	3725360.17	8.91E-07	1.79E-07	1.07E-06	1.76E-07	2.25E-08	1.98E-07	9.46E-07	1.04E-07	1.05E-06	9.75E-08	7.61E-09	1.05E-07
2738	438227.8	3725369.31	8.84E-07	1.77E-07	1.06E-06	1.75E-07	2.23E-08	1.97E-07	9.39E-07	1.03E-07	1.04E-06	9.67E-08	7.55E-09	1.04E-07
2739	438228.76	3725378.46	8.77E-07	1.76E-07	1.05E-06	1.73E-07	2.21E-08	1.95E-07	9.31E-07	1.03E-07	1.03E-06	9.59E-08	7.49E-09	1.03E-07
2740	438229.73	3725387.6	8.69E-07	1.74E-07	1.04E-06	1.72E-07	2.19E-08	1.94E-07	9.24E-07	1.02E-07	1.03E-06	9.51E-08	7.43E-09	1.03E-07
2741	438254.8	3725359.99	7.98E-07	1.60E-07	9.58E-07	1.58E-07	2.01E-08	1.78E-07	8.48E-07	9.33E-08	9.41E-07	8.73E-08	6.82E-09	9.41E-08
2742	438255.75	3725369.01	7.92E-07	1.59E-07	9.51E-07	1.56E-07	2.00E-08	1.76E-07	8.42E-07	9.26E-08	9.34E-07	8.67E-08	6.77E-09	9.34E-08
2743	438256.7	3725378.03	7.86E-07	1.58E-07	9.44E-07	1.55E-07	1.98E-08	1.75E-07	8.35E-07	9.19E-08	9.27E-07	8.60E-08	6.72E-09	9.27E-08
2744	438257.65	3725387.05	7.80E-07	1.57E-07	9.37E-07	1.54E-07	1.97E-08	1.74E-07	8.29E-07	9.12E-08	9.20E-07	8.53E-08	6.66E-09	9.20E-08
2745	438258.6	3725396.07	7.75E-07	1.56E-07	9.31E-07	1.53E-07	1.95E-08	1.73E-07	8.23E-07	9.07E-08	9.14E-07	8.48E-08	6.62E-09	9.14E-08
2746	438285.51	3725385.87	7.04E-07	1.41E-07	8.45E-07	1.39E-07	1.77E-08	1.57E-07	7.48E-07	8.23E-08	8.30E-07	7.70E-08	6.01E-09	8.30E-08
2747	438286.47	3725394.99	7.00E-07	1.40E-07	8.40E-07	1.38E-07	1.76E-08	1.56E-07	7.43E-07	8.18E-08	8.25E-07	7.65E-08	5.98E-09	8.25E-08
2748	438472.37	3724891.05	2.63E-07	5.27E-08	3.15E-07	5.18E-08	6.61E-09	5.85E-08	2.79E-07	3.07E-08	3.10E-07	2.87E-08	2.24E-09	3.10E-08
2749	438507.71	3724872.3	2.41E-07	4.84E-08	2.90E-07	4.76E-08	6.08E-09	5.37E-08	2.56E-07	2.82E-08	2.84E-07	2.64E-08	2.06E-09	2.84E-08
2750	438503.36	3724864.11	2.38E-07	4.78E-08	2.86E-07	4.71E-08	6.00E-09	5.31E-08	2.53E-07	2.79E-08	2.81E-07	2.61E-08	2.03E-09	2.81E-08
2751	438499.02	3724855.92	2.35E-07	4.72E-08	2.82E-07	4.64E-08	5.92E-09	5.24E-08	2.50E-07	2.75E-08	2.77E-07	2.57E-08	2.01E-09	2.77E-08
2752	438494.67	3724847.74	2.32E-07	4.65E-08	2.78E-07	4.58E-08	5.84E-09	5.16E-08	2.46E-07	2.71E-08	2.73E-07	2.54E-08	1.98E-09	2.73E-08
2753	438534.35	3724837.17	2.18E-07	4.37E-08	2.62E-07	4.31E-08	5.49E-09	4.85E-08	2.32E-07	2.55E-08	2.57E-07	2.38E-08	1.86E-09	2.57E-08
2754	438530	3724828.98	2.15E-07	4.32E-08	2.59E-07	4.25E-08	5.43E-09	4.80E-08	2.29E-07	2.52E-08	2.54E-07	2.36E-08	1.84E-09	2.54E-08
2755	438565.34	3724810.23	1.99E-07	4.00E-08	2.39E-07	3.94E-08	5.02E-09	4.44E-08	2.12E-07	2.33E-08	2.35E-07	2.18E-08	1.70E-09	2.35E-08
2756	438160.56	3724648.18	1.53E-07	3.07E-08	1.84E-07	3.02E-08	3.86E-09	3.41E-08	1.63E-07	1.79E-08	1.80E-07	1.67E-08	1.31E-09	1.80E-08
2757	438152.81	3724642.85	1.49E-07	3.00E-08	1.79E-07	2.95E-08	3.76E-09	3.33E-08	1.59E-07	1.75E-08	1.76E-07	1.63E-08	1.28E-09	1.76E-08
2758	438145.05	3724637.52	1.45E-07	2.92E-08	1.75E-07	2.87E-08	3.66E-09	3.24E-08	1.54E-07	1.70E-08	1.71E-07	1.59E-08	1.24E-09	1.71E-08
2759	438137.3	3724632.18	1.42E-07	2.84E-08	1.70E-07	2.80E-08	3.57E-09	3.15E-08	1.50E-07	1.66E-08	1.67E-07	1.55E-08	1.21E-09	1.67E-08
2760	438129.54	3724626.85	1.38E-07	2.76E-08	1.65E-07	2.72E-08	3.47E-09	3.07E-08	1.46E-07	1.61E-08	1.62E-07	1.51E-08	1.18E-09	1.62E-08
2761	438121.79	3724621.52	1.34E-07	2.69E-08	1.61E-07	2.64E-08	3.37E-09	2.98E-08	1.42E-07	1.57E-08	1.58E-07	1.46E-08	1.14E-09	1.58E-08
2762	438114.03	3724616.19	1.30E-07	2.61E-08	1.56E-07	2.57E-08	3.28E-09	2.90E-08	1.38E-07	1.52E-08	1.53E-07	1.42E-08	1.11E-09	1.53E-08
2763	438106.28	3724610.86	1.26E-07	2.53E-08	1.51E-07	2.49E-08	3.18E-09	2.81E-08	1.34E-07	1.47E-08	1.49E-07	1.38E-08	1.08E-09	1.49E-08
2764	438098.52	3724605.53	1.22E-07	2.45E-08	1.47E-07	2.41E-08	3.08E-09	2.72E-08	1.30E-07	1.43E-08	1.44E-07	1.34E-08	1.04E-09	1.44E-08
2765	438189.4	3724622.14	1.44E-07	2.88E-08	1.73E-07	2.84E-08	3.62E-09	3.20E-08	1.53E-07	1.68E-08	1.69E-07	1.57E-08	1.23E-09	1.69E-08
2766	438195.57	3724629.06	1.47E-07	2.96E-08	1.77E-07	2.91E-08	3.72E-09	3.28E-08	1.57E-07	1.72E-08	1.74E-07	1.61E-08	1.26E-09	1.74E-08
2767	438201.75	3724635.99	1.51E-07	3.04E-08	1.82E-07	2.99E-08	3.81E-09	3.37E-08	1.61E-07	1.77E-08	1.78E-07	1.66E-08	1.29E-09	1.79E-08
2768	438207.92	3724642.91	1.55E-07	3.12E-08	1.87E-07	3.07E-08	3.91E-09	3.46E-08	1.65E-07	1.82E-08	1.83E-07	1.70E-08	1.33E-09	1.83E-08

2769	438214.09	3724649.83	1.59E-07	3.20E-08	1.91E-07	3.15E-08	4.02E-09	3.55E-08	1.69E-07	1.86E-08	1.88E-07	1.74E-08	1.36E-09	1.88E-08
2770	438220.27	3724656.76	1.64E-07	3.28E-08	1.96E-07	3.23E-08	4.12E-09	3.64E-08	1.74E-07	1.91E-08	1.93E-07	1.79E-08	1.40E-09	1.93E-08
2771	438226.44	3724663.68	1.68E-07	3.36E-08	2.01E-07	3.31E-08	4.23E-09	3.73E-08	1.78E-07	1.96E-08	1.98E-07	1.83E-08	1.43E-09	1.98E-08
2772	438232.62	3724670.61	1.72E-07	3.44E-08	2.06E-07	3.39E-08	4.32E-09	3.82E-08	1.82E-07	2.01E-08	2.02E-07	1.88E-08	1.47E-09	2.02E-08
2773	438238.79	3724677.53	1.76E-07	3.52E-08	2.11E-07	3.47E-08	4.42E-09	3.91E-08	1.86E-07	2.05E-08	2.07E-07	1.92E-08	1.50E-09	2.07E-08
2774	438244.96	3724684.45	1.80E-07	3.61E-08	2.16E-07	3.55E-08	4.53E-09	4.01E-08	1.91E-07	2.10E-08	2.12E-07	1.97E-08	1.54E-09	2.12E-08
2775	438251.14	3724691.38	1.85E-07	3.70E-08	2.22E-07	3.65E-08	4.65E-09	4.11E-08	1.96E-07	2.16E-08	2.18E-07	2.02E-08	1.58E-09	2.18E-08
2776	438257.31	3724698.3	1.89E-07	3.79E-08	2.27E-07	3.73E-08	4.76E-09	4.21E-08	2.01E-07	2.21E-08	2.23E-07	2.07E-08	1.61E-09	2.23E-08
2777	438263.48	3724705.22	1.93E-07	3.88E-08	2.32E-07	3.82E-08	4.87E-09	4.30E-08	2.05E-07	2.26E-08	2.28E-07	2.11E-08	1.65E-09	2.28E-08
2778	438269.66	3724712.15	1.98E-07	3.96E-08	2.37E-07	3.90E-08	4.98E-09	4.40E-08	2.10E-07	2.31E-08	2.33E-07	2.16E-08	1.69E-09	2.33E-08
2779	438275.83	3724719.07	2.02E-07	4.05E-08	2.42E-07	3.98E-08	5.08E-09	4.49E-08	2.14E-07	2.36E-08	2.38E-07	2.21E-08	1.72E-09	2.38E-08
2780	438282.01	3724725.99	2.06E-07	4.13E-08	2.47E-07	4.06E-08	5.19E-09	4.58E-08	2.19E-07	2.41E-08	2.43E-07	2.25E-08	1.76E-09	2.43E-08
2781	438288.18	3724732.92	2.10E-07	4.21E-08	2.52E-07	4.14E-08	5.29E-09	4.67E-08	2.23E-07	2.45E-08	2.47E-07	2.30E-08	1.79E-09	2.47E-08
2782	438343.74	3724795.23	2.40E-07	4.82E-08	2.88E-07	4.74E-08	6.05E-09	5.35E-08	2.55E-07	2.81E-08	2.83E-07	2.63E-08	2.05E-09	2.83E-08
2783	438349.92	3724802.15	2.43E-07	4.87E-08	2.91E-07	4.79E-08	6.12E-09	5.41E-08	2.58E-07	2.84E-08	2.86E-07	2.66E-08	2.07E-09	2.86E-08
2784	438356.09	3724809.08	2.45E-07	4.92E-08	2.95E-07	4.85E-08	6.18E-09	5.47E-08	2.61E-07	2.87E-08	2.89E-07	2.69E-08	2.10E-09	2.89E-08
2785	438183.22	3724615.22	1.40E-07	2.81E-08	1.68E-07	2.76E-08	3.53E-09	3.12E-08	1.49E-07	1.64E-08	1.65E-07	1.53E-08	1.20E-09	1.65E-08
2786	438175.47	3724609.89	1.37E-07	2.74E-08	1.64E-07	2.70E-08	3.44E-09	3.04E-08	1.45E-07	1.60E-08	1.61E-07	1.50E-08	1.17E-09	1.61E-08
2787	438167.71	3724604.55	1.33E-07	2.67E-08	1.60E-07	2.63E-08	3.36E-09	2.97E-08	1.42E-07	1.56E-08	1.57E-07	1.46E-08	1.14E-09	1.57E-08
2788	438159.96	3724599.22	1.30E-07	2.60E-08	1.56E-07	2.56E-08	3.27E-09	2.89E-08	1.38E-07	1.52E-08	1.53E-07	1.42E-08	1.11E-09	1.53E-08
2789	438152.2	3724593.89	1.26E-07	2.53E-08	1.51E-07	2.49E-08	3.18E-09	2.81E-08	1.34E-07	1.47E-08	1.49E-07	1.38E-08	1.08E-09	1.49E-08
2790	438144.45	3724588.56	1.23E-07	2.46E-08	1.47E-07	2.42E-08	3.09E-09	2.73E-08	1.30E-07	1.43E-08	1.44E-07	1.34E-08	1.05E-09	1.44E-08
2791	438136.69	3724583.23	1.19E-07	2.39E-08	1.43E-07	2.35E-08	3.00E-09	2.65E-08	1.26E-07	1.39E-08	1.40E-07	1.30E-08	1.02E-09	1.40E-08
2792	438128.94	3724577.9	1.16E-07	2.32E-08	1.39E-07	2.28E-08	2.91E-09	2.57E-08	1.23E-07	1.35E-08	1.36E-07	1.26E-08	9.87E-10	1.36E-08
2793	438121.18	3724572.57	1.12E-07	2.25E-08	1.35E-07	2.21E-08	2.82E-09	2.50E-08	1.19E-07	1.31E-08	1.32E-07	1.23E-08	9.58E-10	1.32E-08
2794	438212.07	3724589.19	1.32E-07	2.64E-08	1.58E-07	2.60E-08	3.32E-09	2.94E-08	1.40E-07	1.54E-08	1.55E-07	1.44E-08	1.13E-09	1.55E-08
2795	438218.25	3724596.12	1.35E-07	2.71E-08	1.62E-07	2.67E-08	3.41E-09	3.01E-08	1.44E-07	1.58E-08	1.59E-07	1.48E-08	1.16E-09	1.60E-08
2796	438224.43	3724603.05	1.39E-07	2.79E-08	1.67E-07	2.74E-08	3.50E-09	3.09E-08	1.47E-07	1.62E-08	1.64E-07	1.52E-08	1.19E-09	1.64E-08
2797	438230.61	3724609.98	1.42E-07	2.86E-08	1.71E-07	2.81E-08	3.59E-09	3.17E-08	1.51E-07	1.66E-08	1.68E-07	1.56E-08	1.22E-09	1.68E-08
2798	438236.79	3724616.92	1.46E-07	2.93E-08	1.75E-07	2.88E-08	3.68E-09	3.25E-08	1.55E-07	1.71E-08	1.72E-07	1.60E-08	1.25E-09	1.72E-08
2799	438242.98	3724623.85	1.49E-07	3.00E-08	1.79E-07	2.95E-08	3.76E-09	3.33E-08	1.59E-07	1.75E-08	1.76E-07	1.63E-08	1.28E-09	1.76E-08
2800	438249.16	3724630.78	1.53E-07	3.07E-08	1.84E-07	3.02E-08	3.85E-09	3.41E-08	1.62E-07	1.79E-08	1.80E-07	1.67E-08	1.31E-09	1.80E-08
2801	438255.34	3724637.71	1.57E-07	3.14E-08	1.88E-07	3.09E-08	3.94E-09	3.49E-08	1.66E-07	1.83E-08	1.85E-07	1.71E-08	1.34E-09	1.85E-08
2802	438261.52	3724644.65	1.60E-07	3.21E-08	1.92E-07	3.16E-08	4.04E-09	3.57E-08	1.70E-07	1.87E-08	1.89E-07	1.75E-08	1.37E-09	1.89E-08
2803	438267.7	3724651.58	1.64E-07	3.29E-08	1.97E-07	3.24E-08	4.13E-09	3.65E-08	1.74E-07	1.92E-08	1.93E-07	1.79E-08	1.40E-09	1.93E-08
2804	438273.88	3724658.51	1.67E-07	3.36E-08	2.01E-07	3.31E-08	4.22E-09	3.73E-08	1.78E-07	1.96E-08	1.97E-07	1.83E-08	1.43E-09	1.98E-08
2805	438280.07	3724665.44	1.71E-07	3.43E-08	2.05E-07	3.38E-08	4.31E-09	3.81E-08	1.82E-07	2.00E-08	2.02E-07	1.87E-08	1.46E-09	2.02E-08
2806	438286.25	3724672.38	1.75E-07	3.51E-08	2.10E-07	3.45E-08	4.41E-09	3.89E-08	1.86E-07	2.05E-08	2.06E-07	1.91E-08	1.49E-09	2.06E-08
2807	438292.43	3724679.31	1.79E-07	3.58E-08	2.14E-07	3.53E-08	4.50E-09	3.98E-08	1.90E-07	2.09E-08	2.11E-07	1.95E-08	1.53E-09	2.11E-08
2808	438298.61	3724686.24	1.82E-07	3.66E-08	2.19E-07	3.60E-08	4.59E-09	4.06E-08	1.94E-07	2.13E-08	2.15E-07	1.99E-08	1.56E-09	2.15E-08
2809	438317.16	3724707.04	1.93E-07	3.87E-08	2.32E-07	3.81E-08	4.86E-09	4.30E-08	2.05E-07	2.26E-08	2.28E-07	2.11E-08	1.65E-09	2.28E-08
2810	438366.61	3724762.5	2.18E-07	4.38E-08	2.62E-07	4.31E-08	5.50E-09	4.86E-08	2.32E-07	2.55E-08	2.57E-07	2.39E-08	1.86E-09	2.57E-08
2811	438372.79	3724769.43	2.21E-07	4.43E-08	2.65E-07	4.36E-08	5.56E-09	4.91E-08	2.34E-07	2.58E-08	2.60E-07	2.41E-08	1.88E-09	2.60E-08
2812	438378.97	3724776.36	2.23E-07	4.47E-08	2.68E-07	4.40E-08	5.62E-09	4.97E-08	2.37E-07	2.61E-08	2.63E-07	2.44E-08	1.90E-09	2.63E-08
2813	438385.16	3724783.3	2.25E-07	4.52E-08	2.71E-07	4.45E-08	5.68E-09	5.02E-08	2.39E-07	2.64E-08	2.66E-07	2.47E-08	1.93E-09	2.66E-08
2814	438391.34	3724790.23	2.28E-07	4.57E-08	2.73E-07	4.49E-08	5.73E-09	5.07E-08	2.42E-07	2.66E-08	2.68E-07	2.49E-08	1.94E-09	2.68E-08
2815	438397.52	3724797.16	2.29E-07	4.60E-08	2.75E-07	4.53E-08	5.77E-09	5.10E-08	2.43E-07	2.68E-08	2.70E-07	2.51E-08	1.96E-09	2.70E-08
2816	438403.7	3724804.09	2.30E-07	4.62E-08	2.77E-07	4.55E-08	5.81E-09	5.13E-08	2.45E-07	2.70E-08	2.72E-07	2.52E-08	1.97E-09	2.72E-08
2817	438409.88	3724811.03	2.32E-07	4.65E-08	2.78E-07	4.58E-08	5.84E-09	5.16E-08	2.46E-07	2.71E-08	2.73E-07	2.54E-08	1.98E-09	2.73E-08
2818	438416.06	3724817.96	2.34E-07	4.69E-08	2.80E-07	4.61E-08	5.88E-09	5.20E-08	2.48E-07	2.73E-08	2.75E-07	2.55E-08	1.99E-09	2.75E-08
2819	438428.43	3724831.82	2.38E-07	4.78E-08	2.86E-07	4.71E-08	6.00E-09	5.31E-08	2.53E-07	2.79E-08	2.81E-07	2.61E-08	2.03E-09	2.81E-08
2820	438205.89	3724582.25	1.28E-07	2.58E-08	1.54E-07	2.54E-08	3.24E-09	2.86E-08	1.36E-07	1.50E-08	1.51E-07	1.40E-08	1.10E-09	1.51E-08
2821	438198.13	3724576.92	1.25E-07	2.52E-08	1.51E-07	2.48E-08	3.16E-09	2.79E-08	1.33E-07	1.47E-08	1.48E-07	1.37E-08	1.07E-09	1.48E-08
2822	438190.38	3724571.59	1.23E-07	2.46E-08	1.47E-07	2.42E-08	3.09E-09	2.73E-08	1.30E-07	1.43E-08	1.44E-07	1.34E-08	1.05E-09	1.44E-08
2823	438182.62	3724566.26	1.19E-07	2.39E-08	1.43E-07	2.36E-08	3.01E-09	2.66E-08	1.27E-07	1.39E-08	1.41E-07	1.30E-08	1.02E-09	1.41E-08
2824	438174.87	3724560.93	1.16E-07	2.33E-08	1.39E-07	2.29E-08	2.92E-09	2.58E-08	1.23E-07	1.36E-08	1.37E-07	1.27E-08	9.91E-10	1.37E-08
2825	438167.11	3724555.6	1.13E-07	2.27E-08	1.36E-07	2.23E-08	2.85E-09	2.52E-08	1.20E-07	1.32E-08	1.33E-07	1.24E-08	9.65E-10	1.33E-08
2826	438159.36	3724550.27	1.10E-07	2.20E-08	1.32E-07	2.17E-08	2.77E-09	2.45E-08	1.17E-07	1.28E-08	1.30E-07	1.20E-08	9.38E-10	1.30E-08
2827	438151.6	3724544.94	1.07E-07	2.14E-08	1.28E-07	2.11E-08	2.69E-09	2.38E-08	1.13E-07	1.25E-08	1.26E-07	1.17E-08	9.12E-10	1.26E-08
2828	438143.85	3724539.6	1.04E-07	2.08E-08	1.24E-07	2.05E-08	2.61E-09	2.31E-08	1.10E-07	1.21E-08	1.22E-07	1.13E-08	8.85E-10	1.22E-08
2829	438234.73	3724556.23	1.21E-07	2.43E-08	1.46E-07	2.40E-08	3.06E-09	2.70E-08	1.29E-07	1.42E-08	1.43E-07	1.33E-08	1.04E-09	1.43E-08
2830	438240.92	3724563.17	1.24E-07	2.50E-08	1.49E-07	2.46E-08	3.14E-09	2.77E-08	1.32E-07	1.45E-08	1.47E-07	1.36E-08	1.06E-09	1.47E-08
2831	438247.11	3724570.11	1.28E-07	2.56E-08	1.53E-07	2.52E-08	3.21E-09	2.84E-08	1.35E-07	1.49E-08	1.50E-07	1.40E-08	1.09E-09	1.50E-08
2832	438253.3	3724577.05	1.31E-07	2.62E-08	1.57E-07	2.58E-08	3.29E-09	2.91E-08	1.39E-07	1.53E-08	1.54E-07	1.43E-08	1.12E-09	1.54E-08
2833	438259.49	3724583.99	1.34E-07	2.69E-08	1.61E-07	2.65E-08	3.37E-09	2.98E-08	1.42E-07	1.57E-08	1.58E-07	1.47E-08	1.14E-09	1.58E-08
2834	438265.68	3724590.94	1.37E-07	2.75E-08	1.65E-07	2.71E-08	3.45E-09	3.05E-08	1.46E-07	1.60E-08	1.62E-07	1.50E-08	1.17E-09	1.62E-08
2835	438271.87	3724597.88	1.40E-07	2.81E-08	1.68E-07	2.77E-08	3.53E-09	3.12E-08	1.49E-07	1.64E-08	1.65E-07	1.53E-08	1.20E-09	1.65E-08
2836	438278.06	3724604.82	1.43E-07	2.87E-08	1.72E-07	2.83E-08	3.61E-09	3.19E-08	1.52E-07	1.67E-08	1.69E-07	1.57E-08	1.22E-09	1.69E-08
2837	438284.25	3724611.76	1.46E-07	2.94E-08	1.76E-07	2.89E-08	3.69E-09	3.26E-08	1.56E-07	1.71E-08	1.73E-07	1.60E-08	1.25E-09	1.73E-08
2838	438290.43	3724618.7	1.50E-07	3.00E-08	1.80E-07	2.96E-08	3.77E-09	3.33E-08	1.59E-07	1.75E-08	1.77E-07	1.64E-08	1.28E-09	1.77E-08
2839	438296.62	3724625.64	1.53E-07	3.07E-08	1.84E-07	3.02E-08	3.85E-09	3.41E-08	1.62E-07	1.79E-08	1.80E-07	1.67E-08	1.31E-09	1.80E-08
2840	438302.81	3724632.58	1.56E-07	3.13E-08	1.87E-07	3.08E-08	3.93E-09	3.48E-08	1.66E-07	1.83E-08	1.84E-07	1.71E-08	1.33E-09	1.84E-08
2841	438309	3724639.52	1.59E-07	3.20E-08	1.91E-07	3.15E-08	4.02E-09	3.55E-08	1.69E-07	1.86E-08	1.88E-07	1.74E-08	1.36E-09	1.88E-08
2842	438315.19	3724646.46	1.63E-07	3.27E-08	1.95E-07	3.21E-08	4.10E-09	3.62E-08	1.73E-07	1.90E-08	1.92E-07	1.78E-08	1.39E-09	1.92E-08
2843	438321.38	3724653.4	1.66E-07	3.33E-08	1.99E-07	3.28E-08	4.18E-09	3.70E-08	1.76E-07	1.94E-08	1.96E-07	1.82E-08	1.42E-09	1.96E-08
2844	438327.57	3724660.34	1.69E-07	3.40E-08	2.03E-07	3.34E-08	4.27E-09	3.77E-08	1.80E-07	1.98E-08	2.00E-07	1.85E-08	1.45E-09	2.00E-08
2845	438333.76	3724667.28	1.72E-07	3.46E-08	2.07E-07	3.41E-08	4.35E-09	3.84E-08	1.83E-07	2.02E-08	2.03E-07	1.89E-08	1.47E-09	2.03E-08

2846	438339.95	3724674.22	1.76E-07	3.52E-08	2.11E-07	3.47E-08	4.42E-09	3.91E-08	1.87E-07	2.05E-08	2.07E-07	1.92E-08	1.50E-09	2.07E-08
2847	438401.84	3724743.63	2.03E-07	4.08E-08	2.44E-07	4.02E-08	5.13E-09	4.53E-08	2.16E-07	2.38E-08	2.40E-07	2.22E-08	1.74E-09	2.40E-08
2848	438408.02	3724750.57	2.06E-07	4.13E-08	2.47E-07	4.06E-08	5.18E-09	4.58E-08	2.18E-07	2.41E-08	2.43E-07	2.25E-08	1.76E-09	2.43E-08
2849	438414.21	3724757.51	2.08E-07	4.17E-08	2.50E-07	4.11E-08	5.24E-09	4.63E-08	2.21E-07	2.43E-08	2.45E-07	2.27E-08	1.78E-09	2.45E-08
2850	438420.4	3724764.45	2.10E-07	4.21E-08	2.52E-07	4.15E-08	5.29E-09	4.68E-08	2.23E-07	2.46E-08	2.48E-07	2.30E-08	1.79E-09	2.48E-08
2851	438426.59	3724771.39	2.12E-07	4.26E-08	2.55E-07	4.19E-08	5.35E-09	4.72E-08	2.25E-07	2.48E-08	2.50E-07	2.32E-08	1.81E-09	2.50E-08
2852	438432.78	3724778.33	2.14E-07	4.30E-08	2.57E-07	4.23E-08	5.40E-09	4.77E-08	2.27E-07	2.50E-08	2.53E-07	2.34E-08	1.83E-09	2.53E-08
2853	438438.97	3724785.27	2.16E-07	4.33E-08	2.59E-07	4.26E-08	5.44E-09	4.81E-08	2.29E-07	2.53E-08	2.55E-07	2.36E-08	1.84E-09	2.55E-08
2854	438445.16	3724792.21	2.17E-07	4.36E-08	2.61E-07	4.29E-08	5.47E-09	4.84E-08	2.31E-07	2.54E-08	2.56E-07	2.38E-08	1.86E-09	2.56E-08
2855	438228.55	3724549.29	1.18E-07	2.37E-08	1.42E-07	2.33E-08	2.98E-09	2.63E-08	1.26E-07	1.38E-08	1.39E-07	1.29E-08	1.01E-09	1.39E-08
2856	438220.79	3724543.96	1.15E-07	2.31E-08	1.39E-07	2.28E-08	2.91E-09	2.57E-08	1.23E-07	1.35E-08	1.36E-07	1.26E-08	9.85E-10	1.36E-08
2857	438213.04	3724538.63	1.13E-07	2.26E-08	1.35E-07	2.22E-08	2.84E-09	2.51E-08	1.20E-07	1.32E-08	1.33E-07	1.23E-08	9.62E-10	1.33E-08
2858	438205.28	3724533.3	1.10E-07	2.21E-08	1.32E-07	2.17E-08	2.77E-09	2.45E-08	1.17E-07	1.29E-08	1.30E-07	1.20E-08	9.39E-10	1.30E-08
2859	438197.53	3724527.97	1.07E-07	2.15E-08	1.29E-07	2.12E-08	2.70E-09	2.39E-08	1.14E-07	1.25E-08	1.26E-07	1.17E-08	9.15E-10	1.26E-08
2860	438189.77	3724522.64	1.04E-07	2.10E-08	1.25E-07	2.06E-08	2.63E-09	2.33E-08	1.11E-07	1.22E-08	1.23E-07	1.14E-08	8.92E-10	1.23E-08
2861	438182.02	3724517.3	1.02E-07	2.04E-08	1.22E-07	2.01E-08	2.56E-09	2.26E-08	1.08E-07	1.19E-08	1.20E-07	1.11E-08	8.68E-10	1.20E-08
2862	438174.26	3724511.97	9.89E-08	1.98E-08	1.19E-07	1.95E-08	2.49E-09	2.20E-08	1.05E-07	1.16E-08	1.17E-07	1.08E-08	8.45E-10	1.17E-08
2863	438166.51	3724506.64	9.62E-08	1.93E-08	1.15E-07	1.90E-08	2.42E-09	2.14E-08	1.02E-07	1.12E-08	1.13E-07	1.05E-08	8.22E-10	1.13E-08
2864	438257.4	3724523.28	1.13E-07	2.26E-08	1.35E-07	2.22E-08	2.84E-09	2.51E-08	1.20E-07	1.32E-08	1.33E-07	1.23E-08	9.62E-10	1.33E-08
2865	438263.6	3724530.23	1.15E-07	2.32E-08	1.39E-07	2.28E-08	2.91E-09	2.57E-08	1.23E-07	1.35E-08	1.36E-07	1.26E-08	9.86E-10	1.36E-08
2866	438269.79	3724537.17	1.18E-07	2.37E-08	1.42E-07	2.34E-08	2.98E-09	2.63E-08	1.26E-07	1.38E-08	1.39E-07	1.29E-08	1.01E-09	1.39E-08
2867	438275.99	3724544.12	1.21E-07	2.43E-08	1.45E-07	2.39E-08	3.05E-09	2.69E-08	1.28E-07	1.41E-08	1.43E-07	1.32E-08	1.03E-09	1.43E-08
2868	438282.18	3724551.07	1.24E-07	2.48E-08	1.49E-07	2.44E-08	3.12E-09	2.76E-08	1.31E-07	1.45E-08	1.46E-07	1.35E-08	1.06E-09	1.46E-08
2869	438288.38	3724558.02	1.27E-07	2.54E-08	1.52E-07	2.50E-08	3.19E-09	2.82E-08	1.35E-07	1.48E-08	1.49E-07	1.39E-08	1.08E-09	1.49E-08
2870	438294.57	3724564.96	1.30E-07	2.60E-08	1.56E-07	2.56E-08	3.26E-09	2.88E-08	1.38E-07	1.51E-08	1.53E-07	1.42E-08	1.11E-09	1.53E-08
2871	438300.77	3724571.91	1.32E-07	2.66E-08	1.59E-07	2.62E-08	3.34E-09	2.95E-08	1.41E-07	1.55E-08	1.56E-07	1.45E-08	1.13E-09	1.56E-08
2872	438306.97	3724578.86	1.35E-07	2.71E-08	1.62E-07	2.67E-08	3.41E-09	3.01E-08	1.44E-07	1.58E-08	1.60E-07	1.48E-08	1.16E-09	1.60E-08
2873	438313.16	3724585.81	1.38E-07	2.77E-08	1.66E-07	2.73E-08	3.48E-09	3.08E-08	1.47E-07	1.62E-08	1.63E-07	1.51E-08	1.18E-09	1.63E-08
2874	438319.36	3724592.76	1.41E-07	2.83E-08	1.69E-07	2.79E-08	3.56E-09	3.14E-08	1.50E-07	1.65E-08	1.66E-07	1.54E-08	1.21E-09	1.66E-08
2875	438325.55	3724599.7	1.44E-07	2.89E-08	1.73E-07	2.85E-08	3.63E-09	3.21E-08	1.53E-07	1.69E-08	1.70E-07	1.58E-08	1.23E-09	1.70E-08
2876	438331.75	3724606.65	1.47E-07	2.95E-08	1.77E-07	2.91E-08	3.71E-09	3.28E-08	1.56E-07	1.72E-08	1.74E-07	1.61E-08	1.26E-09	1.74E-08
2877	438337.94	3724613.6	1.50E-07	3.01E-08	1.80E-07	2.96E-08	3.78E-09	3.34E-08	1.59E-07	1.76E-08	1.77E-07	1.64E-08	1.28E-09	1.77E-08
2878	438344.14	3724620.55	1.53E-07	3.07E-08	1.83E-07	3.02E-08	3.85E-09	3.40E-08	1.62E-07	1.79E-08	1.80E-07	1.67E-08	1.31E-09	1.80E-08
2879	438350.33	3724627.5	1.56E-07	3.12E-08	1.87E-07	3.07E-08	3.92E-09	3.47E-08	1.65E-07	1.82E-08	1.83E-07	1.70E-08	1.33E-09	1.83E-08
2880	438356.53	3724634.44	1.59E-07	3.18E-08	1.90E-07	3.13E-08	3.99E-09	3.53E-08	1.68E-07	1.85E-08	1.87E-07	1.73E-08	1.35E-09	1.87E-08
2881	438418.48	3724703.92	1.84E-07	3.68E-08	2.20E-07	3.63E-08	4.63E-09	4.09E-08	1.95E-07	2.15E-08	2.17E-07	2.01E-08	1.57E-09	2.17E-08
2882	438430.88	3724717.82	1.88E-07	3.77E-08	2.26E-07	3.71E-08	4.74E-09	4.19E-08	2.00E-07	2.20E-08	2.22E-07	2.06E-08	1.61E-09	2.22E-08
2883	438437.07	3724724.77	1.90E-07	3.81E-08	2.28E-07	3.75E-08	4.79E-09	4.23E-08	2.02E-07	2.22E-08	2.24E-07	2.08E-08	1.62E-09	2.24E-08
2884	438443.27	3724731.71	1.92E-07	3.85E-08	2.30E-07	3.79E-08	4.84E-09	4.27E-08	2.04E-07	2.24E-08	2.26E-07	2.10E-08	1.64E-09	2.26E-08
2885	438449.46	3724738.66	1.94E-07	3.89E-08	2.33E-07	3.83E-08	4.89E-09	4.32E-08	2.06E-07	2.27E-08	2.29E-07	2.12E-08	1.66E-09	2.29E-08
2886	438455.66	3724745.61	1.96E-07	3.93E-08	2.35E-07	3.86E-08	4.93E-09	4.36E-08	2.08E-07	2.29E-08	2.31E-07	2.14E-08	1.67E-09	2.31E-08
2887	438461.85	3724752.56	1.97E-07	3.96E-08	2.37E-07	3.90E-08	4.97E-09	4.40E-08	2.10E-07	2.31E-08	2.33E-07	2.16E-08	1.69E-09	2.33E-08
2888	438468.05	3724759.51	1.99E-07	4.00E-08	2.39E-07	3.93E-08	5.02E-09	4.44E-08	2.12E-07	2.33E-08	2.35E-07	2.18E-08	1.70E-09	2.35E-08
2889	438474.24	3724766.45	2.01E-07	4.03E-08	2.41E-07	3.97E-08	5.06E-09	4.47E-08	2.13E-07	2.35E-08	2.37E-07	2.20E-08	1.72E-09	2.37E-08
2890	438480.44	3724773.4	2.02E-07	4.06E-08	2.43E-07	4.00E-08	5.10E-09	4.51E-08	2.15E-07	2.37E-08	2.39E-07	2.21E-08	1.73E-09	2.39E-08
2891	438486.63	3724780.35	2.04E-07	4.09E-08	2.45E-07	4.03E-08	5.14E-09	4.54E-08	2.17E-07	2.38E-08	2.40E-07	2.23E-08	1.74E-09	2.40E-08
2892	438492.83	3724787.3	2.05E-07	4.12E-08	2.47E-07	4.06E-08	5.18E-09	4.57E-08	2.18E-07	2.40E-08	2.42E-07	2.25E-08	1.75E-09	2.42E-08
2893	438499.03	3724794.25	2.07E-07	4.15E-08	2.49E-07	4.09E-08	5.22E-09	4.61E-08	2.20E-07	2.42E-08	2.44E-07	2.27E-08	1.77E-09	2.44E-08
2894	438505.22	3724801.19	2.09E-07	4.19E-08	2.51E-07	4.12E-08	5.26E-09	4.65E-08	2.22E-07	2.44E-08	2.46E-07	2.28E-08	1.78E-09	2.46E-08
2895	438511.42	3724808.14	2.10E-07	4.22E-08	2.52E-07	4.15E-08	5.30E-09	4.68E-08	2.23E-07	2.46E-08	2.48E-07	2.30E-08	1.80E-09	2.48E-08
2896	438517.61	3724815.09	2.12E-07	4.25E-08	2.54E-07	4.18E-08	5.34E-09	4.72E-08	2.25E-07	2.48E-08	2.50E-07	2.32E-08	1.81E-09	2.50E-08
2897	438523.81	3724822.04	2.14E-07	4.29E-08	2.57E-07	4.22E-08	5.38E-09	4.76E-08	2.27E-07	2.50E-08	2.52E-07	2.34E-08	1.82E-09	2.52E-08
2898	438251.21	3724516.33	1.10E-07	2.20E-08	1.32E-07	2.17E-08	2.76E-09	2.44E-08	1.17E-07	1.28E-08	1.29E-07	1.20E-08	9.37E-10	1.29E-08
2899	438243.45	3724511	1.07E-07	2.15E-08	1.29E-07	2.12E-08	2.70E-09	2.39E-08	1.14E-07	1.25E-08	1.26E-07	1.17E-08	9.15E-10	1.26E-08
2900	438235.7	3724505.67	1.05E-07	2.10E-08	1.26E-07	2.07E-08	2.64E-09	2.33E-08	1.11E-07	1.22E-08	1.23E-07	1.14E-08	8.93E-10	1.23E-08
2901	438227.94	3724500.34	1.02E-07	2.05E-08	1.22E-07	2.02E-08	2.57E-09	2.27E-08	1.08E-07	1.19E-08	1.20E-07	1.12E-08	8.71E-10	1.20E-08
2902	438220.19	3724495	9.94E-08	1.99E-08	1.19E-07	1.96E-08	2.50E-09	2.21E-08	1.06E-07	1.16E-08	1.17E-07	1.09E-08	8.49E-10	1.17E-08
2903	438212.43	3724489.67	9.70E-08	1.95E-08	1.16E-07	1.92E-08	2.44E-09	2.16E-08	1.03E-07	1.13E-08	1.14E-07	1.06E-08	8.28E-10	1.14E-08
2904	438204.68	3724484.34	9.45E-08	1.90E-08	1.13E-07	1.87E-08	2.38E-09	2.11E-08	1.00E-07	1.11E-08	1.11E-07	1.03E-08	8.07E-10	1.11E-08
2905	438196.92	3724479.01	9.21E-08	1.85E-08	1.11E-07	1.82E-08	2.32E-09	2.05E-08	9.79E-08	1.08E-08	1.09E-07	1.01E-08	7.87E-10	1.09E-08
2906	438189.17	3724473.68	8.97E-08	1.80E-08	1.08E-07	1.77E-08	2.26E-09	2.00E-08	9.53E-08	1.05E-08	1.06E-07	9.81E-09	7.66E-10	1.06E-08
2907	438466.11	3724698.96	1.76E-07	3.54E-08	2.12E-07	3.48E-08	4.44E-09	3.93E-08	1.87E-07	2.06E-08	2.08E-07	1.93E-08	1.51E-09	2.08E-08
2908	438472.31	3724705.91	1.78E-07	3.57E-08	2.14E-07	3.52E-08	4.49E-09	3.97E-08	1.89E-07	2.08E-08	2.10E-07	1.95E-08	1.52E-09	2.10E-08
2909	438478.52	3724712.87	1.80E-07	3.61E-08	2.16E-07	3.55E-08	4.53E-09	4.00E-08	1.91E-07	2.10E-08	2.12E-07	1.97E-08	1.54E-09	2.12E-08
2910	438484.72	3724719.82	1.81E-07	3.64E-08	2.18E-07	3.58E-08	4.57E-09	4.04E-08	1.93E-07	2.12E-08	2.14E-07	1.98E-08	1.55E-09	2.14E-08
2911	438490.92	3724726.78	1.83E-07	3.67E-08	2.20E-07	3.62E-08	4.61E-09	4.08E-08	1.94E-07	2.14E-08	2.16E-07	2.00E-08	1.56E-09	2.16E-08
2912	438497.12	3724733.73	1.85E-07	3.71E-08	2.22E-07	3.65E-08	4.66E-09	4.12E-08	1.96E-07	2.16E-08	2.18E-07	2.02E-08	1.58E-09	2.18E-08
2913	438503.32	3724740.69	1.87E-07	3.74E-08	2.24E-07	3.68E-08	4.70E-09	4.15E-08	1.98E-07	2.18E-08	2.20E-07	2.04E-08	1.59E-09	2.20E-08
2914	438509.52	3724747.64	1.88E-07	3.78E-08	2.26E-07	3.72E-08	4.74E-09	4.19E-08	2.00E-07	2.20E-08	2.22E-07	2.06E-08	1.61E-09	2.22E-08
2915	438515.72	3724754.6	1.90E-07	3.81E-08	2.28E-07	3.75E-08	4.79E-09	4.23E-08	2.02E-07	2.22E-08	2.24E-07	2.08E-08	1.62E-09	2.24E-08
2916	438521.93	3724761.55	1.91E-07	3.84E-08	2.30E-07	3.78E-08	4.82E-09	4.26E-08	2.03E-07	2.24E-08	2.26E-07	2.09E-08	1.63E-09	2.26E-08
2917	438528.13	3724768.51	1.93E-07	3.87E-08	2.31E-07	3.81E-08	4.86E-09	4.29E-08	2.05E-07	2.25E-08	2.27E-07	2.11E-08	1.65E-09	2.27E-08
2918	438534.33	3724775.46	1.94E-07	3.89E-08	2.33E-07	3.83E-08	4.89E-09	4.32E-08	2.06E-07	2.27E-08	2.29E-07	2.12E-08	1.66E-09	2.29E-08
2919	438540.53	3724782.42	1.95E-07	3.92E-08	2.35E-07	3.86E-08	4.92E-09	4.35E-08	2.08E-07	2.29E-08	2.30E-07	2.14E-08	1.67E-09	2.31E-08
2920	438546.73	3724789.37	1.97E-07	3.95E-08	2.36E-07	3.89E-08	4.96E-09	4.38E-08	2.09E-07	2.30E-08	2.32E-07	2.15E-08	1.68E-09	2.32E-08
2921	438552.93	3724796.32	1.98E-07	3.97E-08	2.38E-07	3.91E-08	4.99E-09	4.41E-08	2.10E-07	2.31E-08	2.33E-07	2.17E-08	1.69E-09	2.33E-08
2922	438559.13	3724803.28	1.99E-07	3.99E-08	2.39E-07	3.92E-08	5.01E-09	4.42E-08	2.11E-07	2.32E-08	2.34E-07	2.17E-08	1.70E-09	2.34E-08

2923	438211.83	3724440.72	8.46E-08	1.70E-08	1.02E-07	1.67E-08	2.13E-09	1.88E-08	8.98E-08	9.89E-09	9.97E-08	9.25E-09	7.22E-10	9.97E-09
2924	438302.73	3724457.37	9.46E-08	1.90E-08	1.14E-07	1.87E-08	2.38E-09	2.11E-08	1.00E-07	1.11E-08	1.12E-07	1.03E-08	8.08E-10	1.12E-08
2925	438308.94	3724464.33	9.68E-08	1.94E-08	1.16E-07	1.91E-08	2.44E-09	2.16E-08	1.03E-07	1.13E-08	1.14E-07	1.06E-08	8.27E-10	1.14E-08
2926	438315.15	3724471.29	9.90E-08	1.99E-08	1.19E-07	1.95E-08	2.49E-09	2.20E-08	1.05E-07	1.16E-08	1.17E-07	1.08E-08	8.45E-10	1.17E-08
2927	438321.35	3724478.25	1.01E-07	2.03E-08	1.22E-07	2.00E-08	2.55E-09	2.25E-08	1.08E-07	1.18E-08	1.19E-07	1.11E-08	8.65E-10	1.19E-08
2928	438327.56	3724485.21	1.03E-07	2.08E-08	1.24E-07	2.04E-08	2.61E-09	2.30E-08	1.10E-07	1.21E-08	1.22E-07	1.13E-08	8.83E-10	1.22E-08
2929	438333.77	3724492.17	1.06E-07	2.12E-08	1.27E-07	2.09E-08	2.66E-09	2.35E-08	1.12E-07	1.23E-08	1.25E-07	1.16E-08	9.02E-10	1.25E-08
2930	438339.97	3724499.13	1.08E-07	2.16E-08	1.29E-07	2.13E-08	2.72E-09	2.40E-08	1.14E-07	1.26E-08	1.27E-07	1.18E-08	9.20E-10	1.27E-08
2931	438346.18	3724506.09	1.10E-07	2.21E-08	1.32E-07	2.17E-08	2.77E-09	2.45E-08	1.17E-07	1.29E-08	1.30E-07	1.20E-08	9.41E-10	1.30E-08
2932	438352.39	3724513.05	1.12E-07	2.26E-08	1.35E-07	2.22E-08	2.83E-09	2.50E-08	1.19E-07	1.31E-08	1.33E-07	1.23E-08	9.60E-10	1.33E-08
2933	438358.6	3724520.01	1.15E-07	2.30E-08	1.38E-07	2.27E-08	2.89E-09	2.56E-08	1.22E-07	1.34E-08	1.35E-07	1.26E-08	9.80E-10	1.35E-08
2934	438364.8	3724526.97	1.17E-07	2.35E-08	1.41E-07	2.31E-08	2.95E-09	2.61E-08	1.24E-07	1.37E-08	1.38E-07	1.28E-08	1.00E-09	1.38E-08
2935	438371.01	3724533.93	1.19E-07	2.39E-08	1.43E-07	2.36E-08	3.01E-09	2.66E-08	1.27E-07	1.39E-08	1.41E-07	1.30E-08	1.02E-09	1.41E-08
2936	438377.22	3724540.9	1.22E-07	2.44E-08	1.46E-07	2.40E-08	3.06E-09	2.71E-08	1.29E-07	1.42E-08	1.43E-07	1.33E-08	1.04E-09	1.43E-08
2937	438383.42	3724547.86	1.24E-07	2.49E-08	1.49E-07	2.45E-08	3.12E-09	2.76E-08	1.32E-07	1.45E-08	1.46E-07	1.36E-08	1.06E-09	1.46E-08
2938	438389.63	3724554.82	1.26E-07	2.54E-08	1.52E-07	2.50E-08	3.19E-09	2.82E-08	1.34E-07	1.48E-08	1.49E-07	1.38E-08	1.08E-09	1.49E-08
2939	438395.84	3724561.78	1.29E-07	2.58E-08	1.55E-07	2.54E-08	3.25E-09	2.87E-08	1.37E-07	1.51E-08	1.52E-07	1.41E-08	1.10E-09	1.52E-08
2940	438402.04	3724568.74	1.31E-07	2.63E-08	1.58E-07	2.59E-08	3.31E-09	2.92E-08	1.39E-07	1.53E-08	1.55E-07	1.44E-08	1.12E-09	1.55E-08
2941	438408.25	3724575.7	1.34E-07	2.68E-08	1.60E-07	2.64E-08	3.36E-09	2.97E-08	1.42E-07	1.56E-08	1.57E-07	1.46E-08	1.14E-09	1.57E-08
2942	438414.46	3724582.66	1.36E-07	2.73E-08	1.63E-07	2.68E-08	3.42E-09	3.03E-08	1.44E-07	1.59E-08	1.60E-07	1.49E-08	1.16E-09	1.60E-08
2943	438420.67	3724589.62	1.38E-07	2.78E-08	1.66E-07	2.73E-08	3.49E-09	3.08E-08	1.47E-07	1.62E-08	1.63E-07	1.51E-08	1.18E-09	1.63E-08
2944	438426.87	3724596.58	1.41E-07	2.83E-08	1.69E-07	2.78E-08	3.55E-09	3.14E-08	1.50E-07	1.65E-08	1.66E-07	1.54E-08	1.20E-09	1.66E-08
2945	438433.08	3724603.54	1.43E-07	2.88E-08	1.72E-07	2.83E-08	3.61E-09	3.19E-08	1.52E-07	1.68E-08	1.69E-07	1.57E-08	1.22E-09	1.69E-08
2946	438439.29	3724610.5	1.45E-07	2.92E-08	1.75E-07	2.87E-08	3.67E-09	3.24E-08	1.55E-07	1.70E-08	1.72E-07	1.59E-08	1.24E-09	1.72E-08
2947	438445.49	3724617.46	1.48E-07	2.96E-08	1.77E-07	2.92E-08	3.72E-09	3.29E-08	1.57E-07	1.73E-08	1.74E-07	1.62E-08	1.26E-09	1.74E-08
2948	438451.7	3724624.42	1.50E-07	3.01E-08	1.80E-07	2.96E-08	3.78E-09	3.34E-08	1.59E-07	1.75E-08	1.77E-07	1.64E-08	1.28E-09	1.77E-08
2949	438296.53	3724450.4	9.25E-08	1.86E-08	1.11E-07	1.83E-08	2.33E-09	2.06E-08	9.82E-08	1.08E-08	1.09E-07	1.01E-08	7.90E-10	1.09E-08
2950	438288.77	3724445.07	9.08E-08	1.82E-08	1.09E-07	1.79E-08	2.29E-09	2.02E-08	9.65E-08	1.06E-08	1.07E-07	9.94E-09	7.76E-10	1.07E-08
2951	438281.02	3724439.74	8.92E-08	1.79E-08	1.07E-07	1.76E-08	2.25E-09	1.99E-08	9.48E-08	1.04E-08	1.05E-07	9.76E-09	7.62E-10	1.05E-08
2952	438273.26	3724434.41	8.75E-08	1.76E-08	1.05E-07	1.73E-08	2.20E-09	1.95E-08	9.29E-08	1.02E-08	1.03E-07	9.57E-09	7.47E-10	1.03E-08
2953	438325.4	3724424.41	8.58E-08	1.72E-08	1.03E-07	1.70E-08	2.16E-09	1.91E-08	9.12E-08	1.00E-08	1.01E-07	9.39E-09	7.33E-10	1.01E-08
2954	438331.61	3724431.38	8.78E-08	1.76E-08	1.05E-07	1.73E-08	2.21E-09	1.95E-08	9.32E-08	1.03E-08	1.03E-07	9.60E-09	7.50E-10	1.04E-08
2955	438337.82	3724438.34	8.97E-08	1.80E-08	1.08E-07	1.77E-08	2.26E-09	2.00E-08	9.53E-08	1.05E-08	1.06E-07	9.81E-09	7.66E-10	1.06E-08
2956	438344.03	3724445.31	9.17E-08	1.84E-08	1.10E-07	1.81E-08	2.31E-09	2.04E-08	9.74E-08	1.07E-08	1.08E-07	1.00E-08	7.83E-10	1.08E-08
2957	438350.25	3724452.27	9.37E-08	1.88E-08	1.12E-07	1.85E-08	2.36E-09	2.09E-08	9.95E-08	1.10E-08	1.10E-07	1.02E-08	8.00E-10	1.10E-08
2958	438356.46	3724459.24	9.57E-08	1.92E-08	1.15E-07	1.89E-08	2.41E-09	2.13E-08	1.02E-07	1.12E-08	1.13E-07	1.05E-08	8.18E-10	1.13E-08
2959	438362.67	3724466.21	9.78E-08	1.96E-08	1.17E-07	1.93E-08	2.46E-09	2.18E-08	1.04E-07	1.14E-08	1.15E-07	1.07E-08	8.35E-10	1.15E-08
2960	438368.88	3724473.17	9.98E-08	2.00E-08	1.20E-07	1.97E-08	2.52E-09	2.22E-08	1.06E-07	1.17E-08	1.18E-07	1.09E-08	8.53E-10	1.18E-08
2961	438375.09	3724480.14	1.02E-07	2.04E-08	1.22E-07	2.01E-08	2.57E-09	2.27E-08	1.08E-07	1.19E-08	1.20E-07	1.11E-08	8.70E-10	1.20E-08
2962	438381.31	3724487.11	1.04E-07	2.09E-08	1.25E-07	2.05E-08	2.62E-09	2.32E-08	1.10E-07	1.22E-08	1.23E-07	1.14E-08	8.88E-10	1.23E-08
2963	438387.52	3724494.07	1.06E-07	2.13E-08	1.27E-07	2.10E-08	2.67E-09	2.36E-08	1.13E-07	1.24E-08	1.25E-07	1.16E-08	9.06E-10	1.25E-08
2964	438393.73	3724501.04	1.08E-07	2.17E-08	1.30E-07	2.14E-08	2.72E-09	2.41E-08	1.15E-07	1.26E-08	1.28E-07	1.18E-08	9.24E-10	1.28E-08
2965	438399.94	3724508.01	1.10E-07	2.21E-08	1.32E-07	2.18E-08	2.78E-09	2.45E-08	1.17E-07	1.29E-08	1.30E-07	1.21E-08	9.41E-10	1.30E-08
2966	438406.16	3724514.97	1.12E-07	2.25E-08	1.35E-07	2.22E-08	2.83E-09	2.50E-08	1.19E-07	1.31E-08	1.32E-07	1.23E-08	9.59E-10	1.32E-08
2967	438412.37	3724521.94	1.14E-07	2.29E-08	1.37E-07	2.26E-08	2.88E-09	2.55E-08	1.21E-07	1.34E-08	1.35E-07	1.25E-08	9.76E-10	1.35E-08
2968	438418.58	3724528.91	1.16E-07	2.33E-08	1.40E-07	2.30E-08	2.93E-09	2.59E-08	1.24E-07	1.36E-08	1.37E-07	1.27E-08	9.94E-10	1.37E-08
2969	438424.79	3724535.87	1.18E-07	2.38E-08	1.42E-07	2.34E-08	2.98E-09	2.64E-08	1.26E-07	1.39E-08	1.40E-07	1.30E-08	1.01E-09	1.40E-08
2970	438431	3724542.84	1.21E-07	2.42E-08	1.45E-07	2.38E-08	3.04E-09	2.69E-08	1.28E-07	1.41E-08	1.42E-07	1.32E-08	1.03E-09	1.42E-08
2971	438437.22	3724549.81	1.23E-07	2.46E-08	1.47E-07	2.42E-08	3.09E-09	2.73E-08	1.30E-07	1.43E-08	1.44E-07	1.34E-08	1.05E-09	1.45E-08
2972	438443.43	3724556.77	1.25E-07	2.50E-08	1.50E-07	2.46E-08	3.14E-09	2.77E-08	1.32E-07	1.46E-08	1.47E-07	1.36E-08	1.06E-09	1.47E-08
2973	438449.64	3724563.74	1.27E-07	2.54E-08	1.52E-07	2.50E-08	3.19E-09	2.82E-08	1.34E-07	1.48E-08	1.49E-07	1.38E-08	1.08E-09	1.49E-08
2974	438455.85	3724570.7	1.29E-07	2.58E-08	1.55E-07	2.54E-08	3.24E-09	2.87E-08	1.37E-07	1.50E-08	1.52E-07	1.41E-08	1.10E-09	1.52E-08
2975	438462.06	3724577.67	1.31E-07	2.62E-08	1.57E-07	2.58E-08	3.29E-09	2.91E-08	1.39E-07	1.53E-08	1.54E-07	1.43E-08	1.12E-09	1.54E-08
2976	438468.28	3724584.64	1.33E-07	2.66E-08	1.59E-07	2.62E-08	3.34E-09	2.96E-08	1.41E-07	1.55E-08	1.56E-07	1.45E-08	1.13E-09	1.56E-08
2977	438474.49	3724591.6	1.35E-07	2.70E-08	1.62E-07	2.66E-08	3.39E-09	3.00E-08	1.43E-07	1.57E-08	1.59E-07	1.47E-08	1.15E-09	1.59E-08
2978	438480.7	3724598.57	1.36E-07	2.74E-08	1.64E-07	2.69E-08	3.44E-09	3.04E-08	1.45E-07	1.60E-08	1.61E-07	1.49E-08	1.17E-09	1.61E-08
2979	438486.91	3724605.54	1.38E-07	2.77E-08	1.66E-07	2.73E-08	3.48E-09	3.08E-08	1.47E-07	1.62E-08	1.63E-07	1.51E-08	1.18E-09	1.63E-08
2980	438493.12	3724612.5	1.40E-07	2.81E-08	1.68E-07	2.77E-08	3.53E-09	3.12E-08	1.49E-07	1.64E-08	1.65E-07	1.53E-08	1.20E-09	1.65E-08
2981	438319.19	3724417.44	8.39E-08	1.68E-08	1.01E-07	1.66E-08	2.12E-09	1.87E-08	8.92E-08	9.82E-09	9.90E-08	9.18E-09	7.17E-10	9.90E-09
2982	438311.43	3724412.11	8.24E-08	1.65E-08	9.89E-08	1.63E-08	2.08E-09	1.83E-08	8.75E-08	9.64E-09	9.72E-08	9.01E-09	7.04E-10	9.72E-09
2983	438303.68	3724406.78	8.09E-08	1.62E-08	9.71E-08	1.60E-08	2.04E-09	1.80E-08	8.59E-08	9.46E-09	9.54E-08	8.85E-09	6.91E-10	9.54E-09
2984	438295.92	3724401.45	7.94E-08	1.59E-08	9.53E-08	1.57E-08	2.00E-09	1.77E-08	8.43E-08	9.28E-09	9.36E-08	8.68E-09	6.78E-10	9.36E-09
2985	438288.17	3724396.12	7.79E-08	1.56E-08	9.35E-08	1.54E-08	1.96E-09	1.73E-08	8.27E-08	9.11E-09	9.18E-08	8.52E-09	6.65E-10	9.18E-09
2986	438280.41	3724390.79	7.63E-08	1.53E-08	9.16E-08	1.51E-08	1.92E-09	1.70E-08	8.10E-08	8.92E-09	9.00E-08	8.35E-09	6.52E-10	9.00E-09
2987	438272.66	3724385.46	7.48E-08	1.50E-08	8.98E-08	1.48E-08	1.88E-09	1.67E-08	7.94E-08	8.75E-09	8.82E-08	8.18E-09	6.39E-10	8.82E-09
2988	438264.9	3724380.12	7.32E-08	1.47E-08	8.79E-08	1.45E-08	1.85E-09	1.63E-08	7.78E-08	8.56E-09	8.64E-08	8.01E-09	6.26E-10	8.64E-09
2989	438257.15	3724374.79	7.17E-08	1.44E-08	8.61E-08	1.42E-08	1.81E-09	1.60E-08	7.62E-08	8.39E-09	8.46E-08	7.85E-09	6.13E-10	8.46E-09
2990	438089.2	3724598.65	1.17E-07	2.35E-08	1.41E-07	2.32E-08	2.96E-09	2.61E-08	1.25E-07	1.37E-08	1.38E-07	1.28E-08	1.00E-09	1.38E-08
2991	438112.54	3724566.16	1.08E-07	2.17E-08	1.30E-07	2.13E-08	2.72E-09	2.41E-08	1.15E-07	1.26E-08	1.27E-07	1.18E-08	9.23E-10	1.27E-08
2992	438098.24	3724555.89	1.02E-07	2.04E-08	1.22E-07	2.01E-08	2.56E-09	2.26E-08	1.08E-07	1.19E-08	1.20E-07	1.11E-08	8.67E-10	1.20E-08
2993	438083.93	3724545.61	9.47E-08	1.90E-08	1.14E-07	1.87E-08	2.39E-09	2.11E-08	1.01E-07	1.11E-08	1.12E-07	1.04E-08	8.09E-10	1.12E-08
2994	438135.87	3724533.67	1.00E-07	2.01E-08	1.20E-07	1.98E-08	2.53E-09	2.23E-08	1.06E-07	1.17E-08	1.18E-07	1.10E-08	8.56E-10	1.18E-08
2995	438121.57	3724523.4	9.45E-08	1.90E-08	1.13E-07	1.87E-08	2.38E-09	2.10E-08	1.00E-07	1.10E-08	1.11E-07	1.03E-08	8.07E-10	1.11E-08
2996	438107.27	3724513.12	8.89E-08	1.78E-08	1.07E-07	1.76E-08	2.24E-09	1.98E-08	9.45E-08	1.04E-08	1.05E-07	9.73E-09	7.60E-10	1.05E-08
2997	438159.21	3724501.18	9.35E-08	1.88E-08	1.12E-07	1.85E-08	2.36E-09	2.08E-08	9.93E-08	1.09E-08	1.10E-07	1.02E-08	7.99E-10	1.10E-08
2998	438144.9	3724490.91	8.85E-08	1.77E-08	1.06E-07	1.75E-08	2.23E-09	1.97E-08	9.40E-08	1.03E-08	1.04E-07	9.68E-09	7.56E-10	1.04E-08
2999	438130.6	3724480.64	8.37E-08	1.68E-08	1.00E-07	1.65E-08	2.11E-09	1.86E-08	8.89E-08	9.79E-09	9.87E-08	9.15E-09	7.15E-10	9.87E-09

3000	438175.39	3724463.56	8.54E-08	1.71E-08	1.02E-07	1.69E-08	2.15E-09	1.90E-08	9.07E-08	9.98E-09	1.01E-07	9.34E-09	7.29E-10	1.01E-08
3001	438161.09	3724453.28	8.10E-08	1.63E-08	9.72E-08	1.60E-08	2.04E-09	1.80E-08	8.60E-08	9.47E-09	9.55E-08	8.86E-09	6.92E-10	9.55E-09
3002	438146.79	3724443.01	7.67E-08	1.54E-08	9.21E-08	1.51E-08	1.93E-09	1.71E-08	8.15E-08	8.97E-09	9.04E-08	8.39E-09	6.55E-10	9.04E-09
3003	438198.72	3724431.07	8.08E-08	1.62E-08	9.70E-08	1.60E-08	2.04E-09	1.80E-08	8.58E-08	9.45E-09	9.52E-08	8.84E-09	6.90E-10	9.53E-09
3004	438184.42	3724420.79	7.67E-08	1.54E-08	9.21E-08	1.52E-08	1.93E-09	1.71E-08	8.15E-08	8.97E-09	9.05E-08	8.39E-09	6.55E-10	9.05E-09
3005	438170.12	3724410.52	7.27E-08	1.46E-08	8.73E-08	1.44E-08	1.83E-09	1.62E-08	7.72E-08	8.50E-09	8.58E-08	7.96E-09	6.21E-10	8.58E-09
3006	438245.39	3724366.09	6.92E-08	1.39E-08	8.31E-08	1.37E-08	1.74E-09	1.54E-08	7.35E-08	8.10E-09	8.16E-08	7.57E-09	5.91E-10	8.16E-09
3007	438231.09	3724355.82	6.64E-08	1.33E-08	7.97E-08	1.31E-08	1.67E-09	1.48E-08	7.05E-08	7.76E-09	7.83E-08	7.26E-09	5.67E-10	7.83E-09
3008	438216.79	3724345.54	6.35E-08	1.27E-08	7.62E-08	1.25E-08	1.60E-09	1.41E-08	6.74E-08	7.43E-09	7.49E-08	6.95E-09	5.42E-10	7.49E-09
3009	437513.6	3724656.1	4.32E-08	8.68E-09	5.19E-08	8.54E-09	1.09E-09	9.63E-09	4.59E-08	5.06E-09	5.10E-08	4.73E-09	3.69E-10	5.10E-09
3010	437530.16	3724649.27	4.19E-08	8.40E-09	5.03E-08	8.27E-09	1.06E-09	9.33E-09	4.45E-08	4.90E-09	4.94E-08	4.58E-09	3.58E-10	4.94E-09
3011	437546.71	3724642.44	4.08E-08	8.19E-09	4.90E-08	8.06E-09	1.03E-09	9.09E-09	4.33E-08	4.77E-09	4.81E-08	4.46E-09	3.49E-10	4.81E-09
3012	437563.27	3724635.61	4.01E-08	8.04E-09	4.81E-08	7.92E-09	1.01E-09	8.93E-09	4.26E-08	4.69E-09	4.73E-08	4.38E-09	3.42E-10	4.73E-09
3013	437647.63	3724631.11	3.93E-08	7.88E-09	4.71E-08	7.76E-09	9.89E-10	8.74E-09	4.17E-08	4.59E-09	4.63E-08	4.30E-09	3.35E-10	4.63E-09
3014	437664.82	3724636.14	4.22E-08	8.47E-09	5.07E-08	8.34E-09	1.06E-09	9.40E-09	4.48E-08	4.94E-09	4.98E-08	4.62E-09	3.61E-10	4.98E-09
3015	437456.75	3724648.95	4.46E-08	8.96E-09	5.36E-08	8.82E-09	1.12E-09	9.94E-09	4.74E-08	5.22E-09	5.26E-08	4.88E-09	3.81E-10	5.26E-09
3016	437473.01	3724642.24	4.26E-08	8.55E-09	5.12E-08	8.42E-09	1.07E-09	9.49E-09	4.53E-08	4.98E-09	5.02E-08	4.66E-09	3.64E-10	5.03E-09
3017	437489.27	3724635.53	4.08E-08	8.19E-09	4.90E-08	8.06E-09	1.03E-09	9.09E-09	4.33E-08	4.77E-09	4.81E-08	4.46E-09	3.49E-10	4.81E-09
3018	437505.52	3724628.82	3.93E-08	7.89E-09	4.72E-08	7.76E-09	9.90E-10	8.75E-09	4.17E-08	4.60E-09	4.63E-08	4.30E-09	3.36E-10	4.64E-09
3019	437521.78	3724622.11	3.81E-08	7.64E-09	4.57E-08	7.52E-09	9.59E-10	8.47E-09	4.04E-08	4.45E-09	4.49E-08	4.16E-09	3.25E-10	4.49E-09
3020	437538.04	3724615.4	3.71E-08	7.44E-09	4.45E-08	7.32E-09	9.34E-10	8.25E-09	3.94E-08	4.33E-09	4.37E-08	4.05E-09	3.17E-10	4.37E-09
3021	437554.29	3724608.7	3.63E-08	7.29E-09	4.36E-08	7.17E-09	9.15E-10	8.09E-09	3.86E-08	4.25E-09	4.28E-08	3.97E-09	3.10E-10	4.28E-09
3022	437611.5	3724591.04	3.26E-08	6.55E-09	3.92E-08	6.45E-09	8.23E-10	7.27E-09	3.47E-08	3.82E-09	3.85E-08	3.57E-09	2.79E-10	3.85E-09
3023	437628.38	3724595.98	3.35E-08	6.72E-09	4.02E-08	6.62E-09	8.44E-10	7.46E-09	3.56E-08	3.92E-09	3.95E-08	3.66E-09	2.86E-10	3.95E-09
3024	437645.26	3724600.92	3.47E-08	6.96E-09	4.17E-08	6.86E-09	8.75E-10	7.73E-09	3.69E-08	4.06E-09	4.09E-08	3.80E-09	2.96E-10	4.09E-09
3025	437662.14	3724605.86	3.71E-08	7.44E-09	4.45E-08	7.33E-09	9.35E-10	8.26E-09	3.94E-08	4.34E-09	4.37E-08	4.06E-09	3.17E-10	4.38E-09
3026	437679.01	3724610.8	4.03E-08	8.09E-09	4.84E-08	7.97E-09	1.02E-09	8.98E-09	4.28E-08	4.72E-09	4.76E-08	4.41E-09	3.45E-10	4.76E-09
3027	437695.89	3724615.74	4.37E-08	8.77E-09	5.25E-08	8.63E-09	1.10E-09	9.74E-09	4.64E-08	5.11E-09	5.15E-08	4.78E-09	3.73E-10	5.16E-09
3028	437712.77	3724620.68	4.75E-08	9.53E-09	5.70E-08	9.38E-09	1.20E-09	1.06E-08	5.05E-08	5.55E-09	5.60E-08	5.20E-09	4.06E-10	5.60E-09
3029	437388.89	3724646.33	4.90E-08	9.84E-09	5.89E-08	9.69E-09	1.24E-09	1.09E-08	5.21E-08	5.74E-09	5.78E-08	5.37E-09	4.19E-10	5.78E-09
3030	437405.24	3724639.59	4.66E-08	9.35E-09	5.59E-08	9.20E-09	1.17E-09	1.04E-08	4.95E-08	5.45E-09	5.49E-08	5.10E-09	3.98E-10	5.49E-09
3031	437421.59	3724632.84	4.42E-08	8.87E-09	5.31E-08	8.74E-09	1.11E-09	9.85E-09	4.70E-08	5.17E-09	5.22E-08	4.84E-09	3.78E-10	5.22E-09
3032	437437.95	3724626.09	4.21E-08	8.44E-09	5.05E-08	8.31E-09	1.06E-09	9.37E-09	4.47E-08	4.92E-09	4.96E-08	4.60E-09	3.59E-10	4.96E-09
3033	437454.3	3724619.34	4.01E-08	8.04E-09	4.81E-08	7.92E-09	1.01E-09	8.93E-09	4.26E-08	4.69E-09	4.73E-08	4.38E-09	3.42E-10	4.73E-09
3034	437470.65	3724612.6	3.83E-08	7.69E-09	4.60E-08	7.57E-09	9.65E-10	8.53E-09	4.07E-08	4.48E-09	4.52E-08	4.19E-09	3.27E-10	4.52E-09
3035	437487	3724605.85	3.68E-08	7.38E-09	4.41E-08	7.26E-09	9.26E-10	8.19E-09	3.91E-08	4.30E-09	4.34E-08	4.02E-09	3.14E-10	4.34E-09
3036	437503.35	3724599.1	3.55E-08	7.12E-09	4.26E-08	7.01E-09	8.94E-10	7.90E-09	3.77E-08	4.15E-09	4.18E-08	3.88E-09	3.03E-10	4.18E-09
3037	437519.7	3724592.35	3.44E-08	6.90E-09	4.13E-08	6.80E-09	8.67E-10	7.66E-09	3.66E-08	4.02E-09	4.06E-08	3.76E-09	2.94E-10	4.06E-09
3038	437536.06	3724585.6	3.36E-08	6.74E-09	4.03E-08	6.63E-09	8.46E-10	7.48E-09	3.57E-08	3.93E-09	3.96E-08	3.67E-09	2.87E-10	3.96E-09
3039	437585.11	3724565.36	2.94E-08	5.89E-09	3.53E-08	5.80E-09	7.40E-10	6.54E-09	3.12E-08	3.44E-09	3.46E-08	3.21E-09	2.51E-10	3.46E-09
3040	437609.95	3724561.1	2.90E-08	5.82E-09	3.48E-08	5.73E-09	7.31E-10	6.46E-09	3.08E-08	3.39E-09	3.42E-08	3.17E-09	2.48E-10	3.42E-09
3041	437626.93	3724566.07	3.03E-08	6.07E-09	3.63E-08	5.98E-09	7.62E-10	6.74E-09	3.21E-08	3.54E-09	3.57E-08	3.31E-09	2.58E-10	3.57E-09
3042	437643.91	3724571.04	3.16E-08	6.34E-09	3.80E-08	6.24E-09	7.97E-10	7.04E-09	3.36E-08	3.70E-09	3.73E-08	3.46E-09	2.70E-10	3.73E-09
3043	437660.88	3724576.01	3.36E-08	6.75E-09	4.04E-08	6.64E-09	8.48E-10	7.49E-09	3.57E-08	3.93E-09	3.97E-08	3.68E-09	2.87E-10	3.97E-09
3044	437677.86	3724580.98	3.65E-08	7.32E-09	4.38E-08	7.20E-09	9.19E-10	8.12E-09	3.87E-08	4.27E-09	4.30E-08	3.99E-09	3.12E-10	4.30E-09
3045	437694.84	3724585.95	3.95E-08	7.93E-09	4.75E-08	7.81E-09	9.96E-10	8.80E-09	4.20E-08	4.62E-09	4.66E-08	4.32E-09	3.38E-10	4.66E-09
3046	437711.81	3724590.92	4.29E-08	8.62E-09	5.16E-08	8.48E-09	1.08E-09	9.56E-09	4.56E-08	5.02E-09	5.06E-08	4.70E-09	3.67E-10	5.06E-09
3047	437728.79	3724595.89	4.68E-08	9.40E-09	5.62E-08	9.25E-09	1.18E-09	1.04E-08	4.98E-08	5.48E-09	5.52E-08	5.12E-09	4.00E-10	5.52E-09
3048	437745.77	3724600.85	5.14E-08	1.03E-08	6.17E-08	1.01E-08	1.29E-09	1.14E-08	5.46E-08	6.01E-09	6.06E-08	5.62E-09	4.39E-10	6.06E-09
3049	437762.74	3724605.82	5.65E-08	1.13E-08	6.78E-08	1.12E-08	1.42E-09	1.26E-08	6.00E-08	6.60E-09	6.66E-08	6.18E-09	4.82E-10	6.66E-09
3050	437779.72	3724610.79	6.22E-08	1.25E-08	7.47E-08	1.23E-08	1.57E-09	1.39E-08	6.61E-08	7.27E-09	7.34E-08	6.81E-09	5.31E-10	7.34E-09
3051	437796.7	3724615.76	6.89E-08	1.38E-08	8.27E-08	1.36E-08	1.74E-09	1.53E-08	7.31E-08	8.05E-09	8.12E-08	7.53E-09	5.88E-10	8.12E-09
3052	437813.68	3724620.73	7.65E-08	1.53E-08	9.18E-08	1.51E-08	1.93E-09	1.70E-08	8.12E-08	8.94E-09	9.02E-08	8.37E-09	6.53E-10	9.02E-09
3053	437362.23	3724616.51	4.57E-08	9.18E-09	5.49E-08	9.03E-09	1.15E-09	1.02E-08	4.86E-08	5.35E-09	5.39E-08	5.00E-09	3.91E-10	5.39E-09
3054	437378.58	3724609.77	4.35E-08	8.73E-09	5.22E-08	8.59E-09	1.10E-09	9.69E-09	4.62E-08	5.09E-09	5.13E-08	4.76E-09	3.72E-10	5.13E-09
3055	437394.94	3724603.02	4.14E-08	8.30E-09	4.97E-08	8.17E-09	1.04E-09	9.21E-09	4.39E-08	4.84E-09	4.88E-08	4.52E-09	3.53E-10	4.88E-09
3056	437411.29	3724596.27	3.93E-08	7.89E-09	4.72E-08	7.77E-09	9.91E-10	8.76E-09	4.18E-08	4.60E-09	4.64E-08	4.30E-09	3.36E-10	4.64E-09
3057	437427.64	3724589.52	3.75E-08	7.52E-09	4.50E-08	7.40E-09	9.44E-10	8.34E-09	3.98E-08	4.38E-09	4.42E-08	4.10E-09	3.20E-10	4.42E-09
3058	437443.99	3724582.77	3.58E-08	7.18E-09	4.30E-08	7.07E-09	9.01E-10	7.97E-09	3.80E-08	4.18E-09	4.22E-08	3.91E-09	3.06E-10	4.22E-09
3059	437460.34	3724576.03	3.42E-08	6.87E-09	4.11E-08	6.76E-09	8.62E-10	7.62E-09	3.64E-08	4.00E-09	4.04E-08	3.74E-09	2.92E-10	4.04E-09
3060	437476.69	3724569.28	3.29E-08	6.60E-09	3.95E-08	6.49E-09	8.28E-10	7.32E-09	3.49E-08	3.84E-09	3.88E-08	3.60E-09	2.81E-10	3.88E-09
3061	437493.05	3724562.53	3.17E-08	6.37E-09	3.81E-08	6.27E-09	8.00E-10	7.07E-09	3.37E-08	3.71E-09	3.74E-08	3.47E-09	2.71E-10	3.74E-09
3062	437509.4	3724555.78	3.07E-08	6.17E-09	3.69E-08	6.07E-09	7.74E-10	6.85E-09	3.26E-08	3.59E-09	3.62E-08	3.36E-09	2.63E-10	3.62E-09
3063	437558.45	3724535.54	2.80E-08	5.61E-09	3.36E-08	5.53E-09	7.05E-10	6.23E-09	2.97E-08	3.27E-09	3.30E-08	3.06E-09	2.39E-10	3.30E-09
3064	437574.8	3724528.79	2.61E-08	5.23E-09	3.13E-08	5.15E-09	6.57E-10	5.81E-09	2.77E-08	3.05E-09	3.07E-08	2.85E-09	2.23E-10	3.07E-09
3065	437591.16	3724522.04	2.51E-08	5.04E-09	3.01E-08	4.96E-09	6.33E-10	5.59E-09	2.67E-08	2.94E-09	2.96E-08	2.75E-09	2.14E-10	2.96E-09
3066	437607.82	3724521.15	2.56E-08	5.13E-09	3.07E-08	5.05E-09	6.45E-10	5.70E-09	2.72E-08	2.99E-09	3.02E-08	2.80E-09	2.19E-10	3.02E-09
3067	437624.8	3724526.12	2.67E-08	5.35E-09	3.20E-08	5.26E-09	6.72E-10	5.94E-09	2.83E-08	3.12E-09	3.14E-08	2.92E-09	2.28E-10	3.14E-09
3068	437641.77	3724531.09	2.81E-08	5.64E-09	3.37E-08	5.55E-09	7.08E-10	6.26E-09	2.98E-08	3.28E-09	3.31E-08	3.07E-09	2.40E-10	3.31E-09
3069	437658.75	3724536.06	2.99E-08	6.00E-09	3.59E-08	5.90E-09	7.53E-10	6.66E-09	3.18E-08	3.50E-09	3.52E-08	3.27E-09	2.55E-10	3.53E-09
3070	437675.73	3724541.03	3.21E-08	6.44E-09	3.85E-08	6.34E-09	8.09E-10	7.15E-09	3.41E-08	3.75E-09	3.78E-08	3.51E-09	2.74E-10	3.79E-09
3071	437692.71	3724546	3.46E-08	6.95E-09	4.16E-08	6.84E-09	8.73E-10	7.71E-09	3.68E-08	4.05E-09	4.08E-08	3.79E-09	2.96E-10	4.08E-09
3072	437709.68	3724550.97	3.76E-08	7.55E-09	4.52E-08	7.43E-09	9.48E-10	8.38E-09	4.00E-08	4.40E-09	4.43E-08	4.11E-09	3.21E-10	4.44E-09
3073	437726.66	3724555.94	4.06E-08	8.14E-09	4.87E-08	8.02E-09	1.02E-09	9.04E-09	4.31E-08	4.75E-09	4.79E-08	4.44E-09	3.47E-10	4.79E-09
3074	437743.64	3724560.91	4.40E-08	8.83E-09	5.28E-08	8.69E-09	1.11E-09	9.80E-09	4.67E-08	5.15E-09	5.19E-08	4.81E-09	3.76E-10	5.19E-09
3075	437760.61	3724565.88	4.80E-08	9.63E-09	5.77E-08	9.48E-09	1.21E-09	1.07E-08	5.10E-08	5.62E-09	5.66E-08	5.25E-09	4.10E-10	5.66E-09
3076	437777.59	3724570.85	5.22E-08	1.05E-08	6.27E-08	1.03E-08	1.32E-09	1.16E-08	5.55E-08	6.11E-09	6.16E-08	5.72E-09	4.46E-10	6.16E-09

3077	437794.57	3724575.82	5.67E-08	1.14E-08	6.81E-08	1.12E-08	1.43E-09	1.26E-08	6.02E-08	6.63E-09	6.68E-08	6.20E-09	4.84E-10	6.69E-09
3078	437811.54	3724580.79	6.21E-08	1.25E-08	7.45E-08	1.23E-08	1.56E-09	1.38E-08	6.59E-08	7.26E-09	7.32E-08	6.79E-09	5.30E-10	7.32E-09
3079	437828.52	3724585.76	6.81E-08	1.37E-08	8.17E-08	1.34E-08	1.71E-09	1.52E-08	7.23E-08	7.96E-09	8.02E-08	7.44E-09	5.81E-10	8.03E-09
3080	437335.57	3724586.69	4.29E-08	8.60E-09	5.15E-08	8.47E-09	1.08E-09	9.55E-09	4.55E-08	5.01E-09	5.05E-08	4.69E-09	3.66E-10	5.06E-09
3081	437351.92	3724579.94	4.08E-08	8.20E-09	4.90E-08	8.07E-09	1.03E-09	9.10E-09	4.34E-08	4.78E-09	4.82E-08	4.47E-09	3.49E-10	4.82E-09
3082	437368.28	3724573.2	3.89E-08	7.80E-09	4.67E-08	7.68E-09	9.80E-10	8.66E-09	4.13E-08	4.55E-09	4.59E-08	4.26E-09	3.32E-10	4.59E-09
3083	437384.63	3724566.45	3.70E-08	7.43E-09	4.45E-08	7.31E-09	9.33E-10	8.25E-09	3.93E-08	4.33E-09	4.37E-08	4.05E-09	3.16E-10	4.37E-09
3084	437400.98	3724559.7	3.53E-08	7.08E-09	4.24E-08	6.97E-09	8.89E-10	7.86E-09	3.75E-08	4.13E-09	4.16E-08	3.86E-09	3.01E-10	4.16E-09
3085	437417.33	3724552.95	3.37E-08	6.76E-09	4.04E-08	6.65E-09	8.49E-10	7.50E-09	3.58E-08	3.94E-09	3.97E-08	3.68E-09	2.88E-10	3.97E-09
3086	437433.68	3724546.2	3.22E-08	6.45E-09	3.86E-08	6.35E-09	8.11E-10	7.16E-09	3.42E-08	3.76E-09	3.79E-08	3.52E-09	2.75E-10	3.79E-09
3087	437450.04	3724539.46	3.08E-08	6.19E-09	3.70E-08	6.09E-09	7.77E-10	6.87E-09	3.28E-08	3.61E-09	3.64E-08	3.37E-09	2.63E-10	3.64E-09
3088	437466.39	3724532.71	2.96E-08	5.95E-09	3.56E-08	5.85E-09	7.47E-10	6.60E-09	3.15E-08	3.47E-09	3.49E-08	3.24E-09	2.53E-10	3.49E-09
3089	437482.74	3724525.96	2.86E-08	5.74E-09	3.43E-08	5.65E-09	7.21E-10	6.37E-09	3.04E-08	3.34E-09	3.37E-08	3.13E-09	2.44E-10	3.37E-09
3090	437580.85	3724485.47	2.35E-08	4.71E-09	2.82E-08	4.64E-09	5.92E-10	5.23E-09	2.50E-08	2.75E-09	2.77E-08	2.57E-09	2.01E-10	2.77E-09
3091	437605.69	3724481.21	2.35E-08	4.71E-09	2.82E-08	4.64E-09	5.92E-10	5.23E-09	2.50E-08	2.75E-09	2.77E-08	2.57E-09	2.01E-10	2.77E-09
3092	437622.67	3724486.18	2.43E-08	4.88E-09	2.92E-08	4.80E-09	6.12E-10	5.41E-09	2.58E-08	2.84E-09	2.87E-08	2.66E-09	2.08E-10	2.87E-09
3093	437639.64	3724491.15	2.54E-08	5.10E-09	3.05E-08	5.02E-09	6.40E-10	5.66E-09	2.70E-08	2.97E-09	3.00E-08	2.78E-09	2.17E-10	3.00E-09
3094	437656.62	3724496.12	2.68E-08	5.38E-09	3.22E-08	5.29E-09	6.75E-10	5.97E-09	2.85E-08	3.13E-09	3.16E-08	2.93E-09	2.29E-10	3.16E-09
3095	437673.6	3724501.09	2.86E-08	5.74E-09	3.43E-08	5.65E-09	7.21E-10	6.37E-09	3.04E-08	3.34E-09	3.37E-08	3.13E-09	2.44E-10	3.37E-09
3096	437690.57	3724506.06	3.07E-08	6.17E-09	3.69E-08	6.07E-09	7.74E-10	6.85E-09	3.26E-08	3.59E-09	3.62E-08	3.36E-09	2.63E-10	3.62E-09
3097	437707.55	3724511.03	3.32E-08	6.67E-09	3.99E-08	6.56E-09	8.37E-10	7.40E-09	3.53E-08	3.89E-09	3.92E-08	3.64E-09	2.84E-10	3.92E-09
3098	437724.53	3724516	3.59E-08	7.21E-09	4.31E-08	7.09E-09	9.05E-10	8.00E-09	3.82E-08	4.20E-09	4.24E-08	3.93E-09	3.07E-10	4.24E-09
3099	437741.51	3724520.97	3.88E-08	7.78E-09	4.65E-08	7.65E-09	9.76E-10	8.63E-09	4.12E-08	4.53E-09	4.57E-08	4.24E-09	3.31E-10	4.57E-09
3100	437758.48	3724525.94	4.17E-08	8.36E-09	5.00E-08	8.23E-09	1.05E-09	9.28E-09	4.42E-08	4.87E-09	4.91E-08	4.56E-09	3.56E-10	4.91E-09
3101	437775.46	3724530.91	4.50E-08	9.02E-09	5.40E-08	8.88E-09	1.13E-09	1.00E-08	4.78E-08	5.26E-09	5.30E-08	4.92E-09	3.84E-10	5.30E-09
3102	437210.8	3724597.36	5.10E-08	1.02E-08	6.13E-08	1.01E-08	1.29E-09	1.14E-08	5.42E-08	5.97E-09	6.02E-08	5.58E-09	4.36E-10	6.02E-09
3103	437227.16	3724590.61	4.94E-08	9.91E-09	5.93E-08	9.76E-09	1.25E-09	1.10E-08	5.25E-08	5.78E-09	5.83E-08	5.41E-09	4.22E-10	5.83E-09
3104	437243.51	3724583.86	4.77E-08	9.57E-09	5.73E-08	9.42E-09	1.20E-09	1.06E-08	5.07E-08	5.58E-09	5.62E-08	5.22E-09	4.07E-10	5.62E-09
3105	437259.86	3724577.11	4.59E-08	9.21E-09	5.51E-08	9.07E-09	1.16E-09	1.02E-08	4.88E-08	5.37E-09	5.41E-08	5.02E-09	3.92E-10	5.42E-09
3106	437276.21	3724570.37	4.41E-08	8.85E-09	5.29E-08	8.71E-09	1.11E-09	9.82E-09	4.68E-08	5.15E-09	5.20E-08	4.82E-09	3.77E-10	5.20E-09
3107	437292.56	3724563.62	4.22E-08	8.48E-09	5.07E-08	8.34E-09	1.06E-09	9.41E-09	4.49E-08	4.94E-09	4.98E-08	4.62E-09	3.61E-10	4.98E-09
3108	437308.91	3724556.87	4.04E-08	8.11E-09	4.85E-08	7.98E-09	1.02E-09	9.00E-09	4.29E-08	4.73E-09	4.76E-08	4.42E-09	3.45E-10	4.77E-09
3109	437325.27	3724550.12	3.86E-08	7.74E-09	4.63E-08	7.62E-09	9.72E-10	8.59E-09	4.10E-08	4.51E-09	4.55E-08	4.22E-09	3.29E-10	4.55E-09
3110	437341.62	3724543.38	3.68E-08	7.38E-09	4.41E-08	7.26E-09	9.26E-10	8.19E-09	3.91E-08	4.30E-09	4.34E-08	4.02E-09	3.14E-10	4.34E-09
3111	437357.97	3724536.63	3.51E-08	7.04E-09	4.21E-08	6.93E-09	8.84E-10	7.81E-09	3.73E-08	4.10E-09	4.14E-08	3.84E-09	3.00E-10	4.14E-09
3112	437374.32	3724529.88	3.34E-08	6.71E-09	4.01E-08	6.60E-09	8.42E-10	7.44E-09	3.55E-08	3.91E-09	3.94E-08	3.66E-09	2.85E-10	3.94E-09
3113	437390.67	3724523.13	3.19E-08	6.40E-09	3.83E-08	6.30E-09	8.04E-10	7.11E-09	3.39E-08	3.73E-09	3.76E-08	3.49E-09	2.73E-10	3.76E-09
3114	437407.03	3724516.38	3.05E-08	6.12E-09	3.66E-08	6.02E-09	7.68E-10	6.79E-09	3.24E-08	3.56E-09	3.59E-08	3.33E-09	2.60E-10	3.59E-09
3115	437423.38	3724509.64	2.92E-08	5.85E-09	3.50E-08	5.76E-09	7.35E-10	6.49E-09	3.10E-08	3.41E-09	3.44E-08	3.19E-09	2.49E-10	3.44E-09
3116	437439.73	3724502.89	2.80E-08	5.61E-09	3.36E-08	5.53E-09	7.05E-10	6.23E-09	2.97E-08	3.27E-09	3.30E-08	3.06E-09	2.39E-10	3.30E-09
3117	437570.54	3724448.9	2.13E-08	4.27E-09	2.56E-08	4.20E-09	5.36E-10	4.74E-09	2.26E-08	2.49E-09	2.51E-08	2.33E-09	1.82E-10	2.51E-09
3118	437586.89	3724442.16	2.10E-08	4.22E-09	2.52E-08	4.15E-09	5.30E-10	4.68E-09	2.23E-08	2.46E-09	2.48E-08	2.30E-09	1.80E-10	2.48E-09
3119	437603.56	3724441.27	2.14E-08	4.30E-09	2.57E-08	4.23E-09	5.40E-10	4.77E-09	2.28E-08	2.51E-09	2.53E-08	2.34E-09	1.83E-10	2.53E-09
3120	437620.54	3724446.24	2.23E-08	4.47E-09	2.68E-08	4.40E-09	5.61E-10	4.96E-09	2.37E-08	2.61E-09	2.63E-08	2.44E-09	1.90E-10	2.63E-09
3121	437637.51	3724451.21	2.33E-08	4.67E-09	2.79E-08	4.60E-09	5.86E-10	5.18E-09	2.47E-08	2.72E-09	2.74E-08	2.55E-09	1.99E-10	2.74E-09
3122	437654.49	3724456.18	2.44E-08	4.91E-09	2.94E-08	4.83E-09	6.16E-10	5.45E-09	2.60E-08	2.86E-09	2.88E-08	2.67E-09	2.09E-10	2.88E-09
3123	437671.47	3724461.15	2.58E-08	5.19E-09	3.10E-08	5.10E-09	6.51E-10	5.76E-09	2.75E-08	3.02E-09	3.05E-08	2.83E-09	2.21E-10	3.05E-09
3124	437688.44	3724466.12	2.75E-08	5.53E-09	3.31E-08	5.44E-09	6.94E-10	6.13E-09	2.93E-08	3.22E-09	3.25E-08	3.01E-09	2.35E-10	3.25E-09
3125	437705.42	3724471.09	2.96E-08	5.94E-09	3.55E-08	5.85E-09	7.46E-10	6.59E-09	3.14E-08	3.46E-09	3.49E-08	3.24E-09	2.53E-10	3.49E-09
3126	437722.4	3724476.06	3.16E-08	6.34E-09	3.80E-08	6.24E-09	7.97E-10	7.04E-09	3.36E-08	3.70E-09	3.73E-08	3.46E-09	2.70E-10	3.73E-09
3127	437739.37	3724481.03	3.39E-08	6.79E-09	4.07E-08	6.69E-09	8.53E-10	7.54E-09	3.60E-08	3.96E-09	3.99E-08	3.70E-09	2.89E-10	3.99E-09
3128	437841.24	3724510.84	4.97E-08	9.98E-09	5.97E-08	9.83E-09	1.25E-09	1.11E-08	5.28E-08	5.82E-09	5.87E-08	5.44E-09	4.25E-10	5.87E-09
3129	437858.21	3724515.81	5.33E-08	1.07E-08	6.40E-08	1.05E-08	1.34E-09	1.19E-08	5.66E-08	6.23E-09	6.29E-08	5.83E-09	4.55E-10	6.29E-09
3130	437200.5	3724560.79	4.62E-08	9.27E-09	5.55E-08	9.13E-09	1.16E-09	1.03E-08	4.91E-08	5.40E-09	5.45E-08	5.06E-09	3.95E-10	5.45E-09
3131	437216.85	3724554.04	4.47E-08	8.97E-09	5.37E-08	8.83E-09	1.13E-09	9.96E-09	4.75E-08	5.23E-09	5.27E-08	4.89E-09	3.82E-10	5.27E-09
3132	437233.2	3724547.29	4.31E-08	8.65E-09	5.18E-08	8.52E-09	1.09E-09	9.60E-09	4.58E-08	5.04E-09	5.09E-08	4.72E-09	3.68E-10	5.09E-09
3133	437249.55	3724540.55	4.15E-08	8.33E-09	4.98E-08	8.20E-09	1.05E-09	9.24E-09	4.41E-08	4.85E-09	4.89E-08	4.54E-09	3.55E-10	4.90E-09
3134	437265.9	3724533.8	3.99E-08	8.00E-09	4.79E-08	7.87E-09	1.00E-09	8.88E-09	4.23E-08	4.66E-09	4.70E-08	4.36E-09	3.40E-10	4.70E-09
3135	437282.26	3724527.05	3.82E-08	7.66E-09	4.59E-08	7.54E-09	9.63E-10	8.51E-09	4.06E-08	4.47E-09	4.50E-08	4.18E-09	3.26E-10	4.51E-09
3136	437298.61	3724520.3	3.65E-08	7.33E-09	4.39E-08	7.22E-09	9.21E-10	8.14E-09	3.88E-08	4.27E-09	4.31E-08	4.00E-09	3.12E-10	4.31E-09
3137	437314.96	3724513.55	3.49E-08	7.01E-09	4.19E-08	6.90E-09	8.80E-10	7.78E-09	3.71E-08	4.08E-09	4.12E-08	3.82E-09	2.98E-10	4.12E-09
3138	437331.31	3724506.81	3.33E-08	6.69E-09	4.00E-08	6.59E-09	8.40E-10	7.43E-09	3.54E-08	3.90E-09	3.93E-08	3.65E-09	2.85E-10	3.93E-09
3139	437347.66	3724500.06	3.18E-08	6.39E-09	3.82E-08	6.29E-09	8.02E-10	7.09E-09	3.38E-08	3.72E-09	3.75E-08	3.48E-09	2.72E-10	3.75E-09
3140	437364.01	3724493.31	3.04E-08	6.09E-09	3.65E-08	6.00E-09	7.65E-10	6.76E-09	3.23E-08	3.55E-09	3.58E-08	3.32E-09	2.59E-10	3.58E-09
3141	437380.37	3724486.56	2.90E-08	5.83E-09	3.49E-08	5.74E-09	7.32E-10	6.47E-09	3.09E-08	3.40E-09	3.42E-08	3.18E-09	2.48E-10	3.43E-09
3142	437396.72	3724479.81	2.78E-08	5.57E-09	3.33E-08	5.48E-09	6.99E-10	6.18E-09	2.95E-08	3.25E-09	3.27E-08	3.04E-09	2.37E-10	3.27E-09
3143	437413.07	3724473.07	2.66E-08	5.34E-09	3.20E-08	5.26E-09	6.71E-10	5.93E-09	2.83E-08	3.11E-09	3.14E-08	2.91E-09	2.27E-10	3.14E-09
3144	437511.18	3724432.58	2.03E-08	4.07E-09	2.44E-08	4.01E-09	5.11E-10	4.52E-09	2.16E-08	2.37E-09	2.39E-08	2.22E-09	1.73E-10	2.39E-09
3145	437527.53	3724425.83	1.97E-08	3.95E-09	2.36E-08	3.89E-09	4.96E-10	4.38E-09	2.09E-08	2.30E-09	2.32E-08	2.15E-09	1.68E-10	2.32E-09
3146	437543.88	3724419.08	1.93E-08	3.88E-09	2.32E-08	3.82E-09	4.87E-10	4.31E-09	2.05E-08	2.26E-09	2.28E-08	2.12E-09	1.65E-10	2.28E-09
3147	437560.24	3724412.34	1.91E-08	3.84E-09	2.30E-08	3.78E-09	4.82E-10	4.26E-09	2.03E-08	2.24E-09	2.25E-08	2.09E-09	1.63E-10	2.25E-09
3148	437576.59	3724405.59	1.91E-08	3.83E-09	2.29E-08	3.77E-09	4.81E-10	4.25E-09	2.03E-08	2.23E-09	2.25E-08	2.09E-09	1.63E-10	2.25E-09
3149	437601.43	3724401.32	1.95E-08	3.92E-09	2.34E-08	3.86E-09	4.92E-10	4.35E-09	2.07E-08	2.28E-09	2.30E-08	2.14E-09	1.67E-10	2.30E-09
3150	437618.4	3724406.29	2.03E-08	4.07E-09	2.44E-08	4.01E-09	5.11E-10	4.52E-09	2.16E-08	2.37E-09	2.39E-08	2.22E-09	1.73E-10	2.39E-09
3151	437635.38	3724411.26	2.11E-08	4.24E-09	2.54E-08	4.18E-09	5.33E-10	4.71E-09	2.25E-08	2.47E-09	2.49E-08	2.31E-09	1.81E-10	2.49E-09
3152	437652.36	3724416.23	2.22E-08	4.45E-09	2.66E-08	4.38E-09	5.59E-10	4.94E-09	2.35E-08	2.59E-09	2.61E-08	2.43E-09	1.89E-10	2.61E-09
3153	437669.34	3724421.2	2.33E-08	4.68E-09	2.80E-08	4.60E-09	5.87E-10	5.19E-09	2.48E-08	2.73E-09	2.75E-08	2.55E-09	1.99E-10	2.75E-09

3154	437686.31	3724426.17	2.47E-08	4.96E-09	2.97E-08	4.88E-09	6.23E-10	5.50E-09	2.62E-08	2.89E-09	2.91E-08	2.70E-09	2.11E-10	2.91E-09
3155	437703.29	3724431.14	2.63E-08	5.27E-09	3.15E-08	5.18E-09	6.61E-10	5.85E-09	2.79E-08	3.07E-09	3.10E-08	2.87E-09	2.24E-10	3.10E-09
3156	437805.15	3724460.96	3.72E-08	7.46E-09	4.46E-08	7.34E-09	9.37E-10	8.28E-09	3.95E-08	4.35E-09	4.38E-08	4.07E-09	3.17E-10	4.38E-09
3157	437822.13	3724465.93	3.97E-08	7.96E-09	4.76E-08	7.84E-09	1.00E-09	8.83E-09	4.21E-08	4.64E-09	4.68E-08	4.34E-09	3.39E-10	4.68E-09
3158	437839.1	3724470.9	4.24E-08	8.51E-09	5.09E-08	8.37E-09	1.07E-09	9.44E-09	4.50E-08	4.96E-09	5.00E-08	4.64E-09	3.62E-10	5.00E-09
3159	437856.08	3724475.87	4.53E-08	9.08E-09	5.43E-08	8.94E-09	1.14E-09	1.01E-08	4.81E-08	5.29E-09	5.34E-08	4.95E-09	3.87E-10	5.34E-09
3160	437873.06	3724480.84	4.79E-08	9.62E-09	5.76E-08	9.47E-09	1.21E-09	1.07E-08	5.09E-08	5.61E-09	5.65E-08	5.24E-09	4.10E-10	5.65E-09
3161	437890.04	3724485.81	5.07E-08	1.02E-08	6.09E-08	1.00E-08	1.28E-09	1.13E-08	5.39E-08	5.93E-09	5.98E-08	5.55E-09	4.33E-10	5.98E-09
3162	438042.83	3724530.54	8.31E-08	1.67E-08	9.98E-08	1.64E-08	2.09E-09	1.85E-08	8.83E-08	9.72E-09	9.80E-08	9.09E-09	7.10E-10	9.80E-09
3163	438059.81	3724535.51	8.72E-08	1.75E-08	1.05E-07	1.72E-08	2.20E-09	1.94E-08	9.26E-08	1.02E-08	1.03E-07	9.54E-09	7.45E-10	1.03E-08
3164	437206.54	3724517.47	4.07E-08	8.16E-09	4.88E-08	8.03E-09	1.02E-09	9.06E-09	4.32E-08	4.76E-09	4.79E-08	4.45E-09	3.47E-10	4.80E-09
3165	437222.89	3724510.72	3.92E-08	7.87E-09	4.71E-08	7.75E-09	9.88E-10	8.74E-09	4.17E-08	4.59E-09	4.63E-08	4.29E-09	3.35E-10	4.63E-09
3166	437239.25	3724503.98	3.77E-08	7.57E-09	4.53E-08	7.45E-09	9.51E-10	8.40E-09	4.01E-08	4.41E-09	4.45E-08	4.13E-09	3.22E-10	4.45E-09
3167	437255.6	3724497.23	3.63E-08	7.27E-09	4.35E-08	7.16E-09	9.13E-10	8.07E-09	3.85E-08	4.24E-09	4.27E-08	3.97E-09	3.10E-10	4.28E-09
3168	437271.95	3724490.48	3.47E-08	6.97E-09	4.17E-08	6.86E-09	8.75E-10	7.74E-09	3.69E-08	4.06E-09	4.10E-08	3.80E-09	2.97E-10	4.10E-09
3169	437288.3	3724483.73	3.33E-08	6.68E-09	3.99E-08	6.57E-09	8.38E-10	7.41E-09	3.53E-08	3.89E-09	3.92E-08	3.64E-09	2.84E-10	3.92E-09
3170	437304.65	3724476.98	3.18E-08	6.38E-09	3.82E-08	6.28E-09	8.01E-10	7.08E-09	3.38E-08	3.72E-09	3.75E-08	3.48E-09	2.72E-10	3.75E-09
3171	437321	3724470.24	3.04E-08	6.10E-09	3.65E-08	6.01E-09	7.66E-10	6.77E-09	3.23E-08	3.56E-09	3.59E-08	3.33E-09	2.60E-10	3.59E-09
3172	437337.36	3724463.49	2.91E-08	5.84E-09	3.49E-08	5.74E-09	7.33E-10	6.48E-09	3.09E-08	3.40E-09	3.43E-08	3.18E-09	2.48E-10	3.43E-09
3173	437353.71	3724456.74	2.78E-08	5.58E-09	3.34E-08	5.49E-09	7.00E-10	6.19E-09	2.95E-08	3.25E-09	3.28E-08	3.04E-09	2.37E-10	3.28E-09
3174	437370.06	3724449.99	2.66E-08	5.33E-09	3.19E-08	5.25E-09	6.70E-10	5.92E-09	2.82E-08	3.11E-09	3.13E-08	2.91E-09	2.27E-10	3.13E-09
3175	437386.41	3724443.25	2.55E-08	5.11E-09	3.06E-08	5.03E-09	6.42E-10	5.67E-09	2.71E-08	2.98E-09	3.00E-08	2.79E-09	2.18E-10	3.00E-09
3176	437484.52	3724402.76	1.94E-08	3.89E-09	2.33E-08	3.83E-09	4.88E-10	4.32E-09	2.06E-08	2.27E-09	2.28E-08	2.12E-09	1.66E-10	2.29E-09
3177	437500.87	3724396.01	1.86E-08	3.73E-09	2.23E-08	3.67E-09	4.68E-10	4.14E-09	1.97E-08	2.17E-09	2.19E-08	2.03E-09	1.59E-10	2.19E-09
3178	437517.23	3724389.26	1.81E-08	3.63E-09	2.17E-08	3.57E-09	4.56E-10	4.03E-09	1.92E-08	2.12E-09	2.13E-08	1.98E-09	1.55E-10	2.13E-09
3179	437533.58	3724382.51	1.77E-08	3.55E-09	2.12E-08	3.49E-09	4.46E-10	3.94E-09	1.88E-08	2.07E-09	2.09E-08	1.93E-09	1.51E-10	2.09E-09
3180	437549.93	3724375.77	1.75E-08	3.52E-09	2.11E-08	3.46E-09	4.42E-10	3.91E-09	1.86E-08	2.05E-09	2.07E-08	1.92E-09	1.50E-10	2.07E-09
3181	437566.28	3724369.02	1.75E-08	3.51E-09	2.10E-08	3.46E-09	4.41E-10	3.90E-09	1.86E-08	2.05E-09	2.06E-08	1.91E-09	1.49E-10	2.06E-09
3182	437582.63	3724362.27	1.76E-08	3.53E-09	2.11E-08	3.47E-09	4.43E-10	3.91E-09	1.87E-08	2.06E-09	2.07E-08	1.92E-09	1.50E-10	2.07E-09
3183	437599.3	3724361.38	1.79E-08	3.59E-09	2.15E-08	3.54E-09	4.51E-10	3.99E-09	1.90E-08	2.09E-09	2.11E-08	1.96E-09	1.53E-10	2.11E-09
3184	437616.27	3724366.35	1.86E-08	3.73E-09	2.23E-08	3.67E-09	4.68E-10	4.14E-09	1.97E-08	2.17E-09	2.19E-08	2.03E-09	1.59E-10	2.19E-09
3185	437633.25	3724371.32	1.93E-08	3.87E-09	2.31E-08	3.81E-09	4.85E-10	4.29E-09	2.05E-08	2.25E-09	2.27E-08	2.11E-09	1.65E-10	2.27E-09
3186	437650.23	3724376.29	2.01E-08	4.04E-09	2.41E-08	3.97E-09	5.07E-10	4.48E-09	2.14E-08	2.35E-09	2.37E-08	2.20E-09	1.72E-10	2.37E-09
3187	437667.2	3724381.26	2.10E-08	4.21E-09	2.52E-08	4.15E-09	5.29E-10	4.68E-09	2.23E-08	2.45E-09	2.48E-08	2.30E-09	1.79E-10	2.48E-09
3188	437684.18	3724386.23	2.20E-08	4.41E-09	2.64E-08	4.34E-09	5.54E-10	4.90E-09	2.34E-08	2.57E-09	2.59E-08	2.41E-09	1.88E-10	2.59E-09
3189	437769.07	3724411.08	2.86E-08	5.73E-09	3.43E-08	5.64E-09	7.20E-10	6.36E-09	3.03E-08	3.34E-09	3.37E-08	3.13E-09	2.44E-10	3.37E-09
3190	437786.04	3724416.05	3.03E-08	6.08E-09	3.64E-08	5.98E-09	7.63E-10	6.75E-09	3.22E-08	3.54E-09	3.57E-08	3.31E-09	2.59E-10	3.57E-09
3191	437803.02	3724421.02	3.22E-08	6.45E-09	3.86E-08	6.35E-09	8.11E-10	7.16E-09	3.42E-08	3.76E-09	3.79E-08	3.52E-09	2.75E-10	3.79E-09
3192	437820	3724425.99	3.43E-08	6.88E-09	4.11E-08	6.77E-09	8.63E-10	7.63E-09	3.64E-08	4.01E-09	4.04E-08	3.75E-09	2.93E-10	4.04E-09
3193	437836.97	3724430.96	3.65E-08	7.32E-09	4.38E-08	7.20E-09	9.19E-10	8.12E-09	3.87E-08	4.27E-09	4.30E-08	3.99E-09	3.12E-10	4.30E-09
3194	437853.95	3724435.93	3.88E-08	7.78E-09	4.65E-08	7.65E-09	9.76E-10	8.63E-09	4.12E-08	4.53E-09	4.57E-08	4.24E-09	3.31E-10	4.57E-09
3195	437870.93	3724440.9	4.10E-08	8.23E-09	4.93E-08	8.10E-09	1.03E-09	9.14E-09	4.36E-08	4.80E-09	4.84E-08	4.49E-09	3.50E-10	4.84E-09
3196	437887.9	3724445.87	4.33E-08	8.69E-09	5.20E-08	8.55E-09	1.09E-09	9.65E-09	4.60E-08	5.06E-09	5.11E-08	4.74E-09	3.70E-10	5.11E-09
3197	437904.88	3724450.84	4.58E-08	9.20E-09	5.50E-08	9.06E-09	1.16E-09	1.02E-08	4.87E-08	5.36E-09	5.41E-08	5.02E-09	3.92E-10	5.41E-09
3198	437921.86	3724455.81	4.86E-08	9.75E-09	5.83E-08	9.59E-09	1.22E-09	1.08E-08	5.16E-08	5.68E-09	5.73E-08	5.31E-09	4.15E-10	5.73E-09
3199	437989.77	3724475.68	6.09E-08	1.22E-08	7.31E-08	1.20E-08	1.54E-09	1.36E-08	6.47E-08	7.12E-09	7.18E-08	6.66E-09	5.20E-10	7.18E-09
3200	438006.74	3724480.65	6.46E-08	1.30E-08	7.75E-08	1.28E-08	1.63E-09	1.44E-08	6.86E-08	7.55E-09	7.61E-08	7.06E-09	5.51E-10	7.61E-09
3201	438023.72	3724485.62	6.84E-08	1.37E-08	8.21E-08	1.35E-08	1.72E-09	1.52E-08	7.26E-08	8.00E-09	8.06E-08	7.48E-09	5.84E-10	8.06E-09
3202	438040.7	3724490.59	7.22E-08	1.45E-08	8.67E-08	1.43E-08	1.82E-09	1.61E-08	7.67E-08	8.44E-09	8.51E-08	7.90E-09	6.17E-10	8.52E-09
3203	438057.67	3724495.56	7.59E-08	1.52E-08	9.11E-08	1.50E-08	1.91E-09	1.69E-08	8.06E-08	8.87E-09	8.95E-08	8.30E-09	6.48E-10	8.95E-09
3204	438074.65	3724500.53	7.98E-08	1.60E-08	9.58E-08	1.58E-08	2.01E-09	1.78E-08	8.47E-08	9.33E-09	9.41E-08	8.73E-09	6.81E-10	9.41E-09
3205	438091.63	3724505.5	8.41E-08	1.69E-08	1.01E-07	1.66E-08	2.12E-09	1.87E-08	8.93E-08	9.83E-09	9.91E-08	9.20E-09	7.18E-10	9.92E-09
3206	437196.23	3724480.9	3.72E-08	7.47E-09	4.47E-08	7.35E-09	9.38E-10	8.29E-09	3.95E-08	4.35E-09	4.39E-08	4.07E-09	3.18E-10	4.39E-09
3207	437212.59	3724474.15	3.58E-08	7.19E-09	4.30E-08	7.08E-09	9.03E-10	7.98E-09	3.81E-08	4.19E-09	4.23E-08	3.92E-09	3.06E-10	4.23E-09
3208	437228.94	3724467.41	3.45E-08	6.93E-09	4.15E-08	6.82E-09	8.70E-10	7.69E-09	3.67E-08	4.04E-09	4.07E-08	3.78E-09	2.95E-10	4.07E-09
3209	437245.29	3724460.66	3.32E-08	6.65E-09	3.98E-08	6.55E-09	8.36E-10	7.39E-09	3.52E-08	3.88E-09	3.91E-08	3.63E-09	2.83E-10	3.91E-09
3210	437261.64	3724453.91	3.18E-08	6.38E-09	3.82E-08	6.28E-09	8.01E-10	7.08E-09	3.38E-08	3.72E-09	3.75E-08	3.48E-09	2.72E-10	3.75E-09
3211	437277.99	3724447.16	3.05E-08	6.12E-09	3.66E-08	6.02E-09	7.68E-10	6.79E-09	3.24E-08	3.56E-09	3.59E-08	3.33E-09	2.60E-10	3.59E-09
3212	437294.35	3724440.42	2.92E-08	5.85E-09	3.50E-08	5.76E-09	7.35E-10	6.49E-09	3.10E-08	3.41E-09	3.44E-08	3.19E-09	2.49E-10	3.44E-09
3213	437310.7	3724433.67	2.79E-08	5.60E-09	3.35E-08	5.51E-09	7.03E-10	6.21E-09	2.96E-08	3.26E-09	3.29E-08	3.05E-09	2.38E-10	3.29E-09
3214	437327.05	3724426.92	2.67E-08	5.36E-09	3.21E-08	5.28E-09	6.74E-10	5.95E-09	2.84E-08	3.13E-09	3.15E-08	2.92E-09	2.28E-10	3.15E-09
3215	437343.4	3724420.17	2.56E-08	5.13E-09	3.07E-08	5.05E-09	6.45E-10	5.70E-09	2.72E-08	2.99E-09	3.02E-08	2.80E-09	2.19E-10	3.02E-09
3216	437359.75	3724413.42	2.45E-08	4.91E-09	2.94E-08	4.84E-09	6.17E-10	5.45E-09	2.60E-08	2.86E-09	2.89E-08	2.68E-09	2.09E-10	2.89E-09
3217	437474.21	3724366.19	1.82E-08	3.66E-09	2.19E-08	3.60E-09	4.60E-10	4.06E-09	1.94E-08	2.13E-09	2.15E-08	1.99E-09	1.56E-10	2.15E-09
3218	437490.57	3724359.44	1.74E-08	3.48E-09	2.08E-08	3.43E-09	4.37E-10	3.86E-09	1.84E-08	2.03E-09	2.05E-08	1.90E-09	1.48E-10	2.05E-09
3219	437506.92	3724352.69	1.68E-08	3.36E-09	2.01E-08	3.31E-09	4.22E-10	3.73E-09	1.78E-08	1.96E-09	1.98E-08	1.83E-09	1.43E-10	1.98E-09
3220	437523.27	3724345.94	1.64E-08	3.30E-09	1.97E-08	3.25E-09	4.14E-10	3.66E-09	1.75E-08	1.92E-09	1.94E-08	1.80E-09	1.40E-10	1.94E-09
3221	437539.62	3724339.2	1.63E-08	3.26E-09	1.95E-08	3.21E-09	4.09E-10	3.62E-09	1.73E-08	1.90E-09	1.92E-08	1.78E-09	1.39E-10	1.92E-09
3222	437555.97	3724332.45	1.62E-08	3.25E-09	1.95E-08	3.20E-09	4.09E-10	3.61E-09	1.72E-08	1.90E-09	1.91E-08	1.77E-09	1.38E-10	1.91E-09
3223	437572.33	3724325.7	1.62E-08	3.25E-09	1.95E-08	3.20E-09	4.09E-10	3.61E-09	1.72E-08	1.90E-09	1.91E-08	1.77E-09	1.38E-10	1.91E-09
3224	437597.17	3724321.44	1.65E-08	3.32E-09	1.99E-08	3.27E-09	4.17E-10	3.68E-09	1.76E-08	1.93E-09	1.95E-08	1.81E-09	1.41E-10	1.95E-09
3225	437614.14	3724326.41	1.71E-08	3.42E-09	2.05E-08	3.37E-09	4.30E-10	3.80E-09	1.81E-08	1.99E-09	2.01E-08	1.87E-09	1.46E-10	2.01E-09
3226	437631.12	3724331.38	1.77E-08	3.55E-09	2.12E-08	3.49E-09	4.46E-10	3.94E-09	1.88E-08	2.07E-09	2.09E-08	1.93E-09	1.51E-10	2.09E-09
3227	437648.1	3724336.35	1.84E-08	3.70E-09	2.21E-08	3.64E-09	4.64E-10	4.10E-09	1.96E-08	2.15E-09	2.17E-08	2.02E-09	1.57E-10	2.17E-09
3228	437665.07	3724341.32	1.92E-08	3.84E-09	2.30E-08	3.78E-09	4.83E-10	4.27E-09	2.03E-08	2.24E-09	2.26E-08	2.10E-09	1.64E-10	2.26E-09
3229	437732.98	3724361.2	2.29E-08	4.60E-09	2.75E-08	4.52E-09	5.77E-10	5.10E-09	2.43E-08	2.68E-09	2.70E-08	2.51E-09	1.96E-10	2.70E-09
3230	437749.96	3724366.17	2.41E-08	4.83E-09	2.89E-08	4.76E-09	6.07E-10	5.36E-09	2.56E-08	2.82E-09	2.84E-08	2.63E-09	2.06E-10	2.84E-09

3231	437766.94	3724371.14	2.53E-08	5.08E-09	3.04E-08	5.00E-09	6.38E-10	5.64E-09	2.69E-08	2.96E-09	2.99E-08	2.77E-09	2.16E-10	2.99E-09
3232	437783.91	3724376.1	2.67E-08	5.36E-09	3.20E-08	5.27E-09	6.73E-10	5.94E-09	2.84E-08	3.12E-09	3.15E-08	2.92E-09	2.28E-10	3.15E-09
3233	437800.89	3724381.07	2.82E-08	5.65E-09	3.38E-08	5.56E-09	7.10E-10	6.27E-09	2.99E-08	3.29E-09	3.32E-08	3.08E-09	2.41E-10	3.32E-09
3234	437817.87	3724386.04	2.97E-08	5.96E-09	3.57E-08	5.87E-09	7.49E-10	6.62E-09	3.16E-08	3.47E-09	3.50E-08	3.25E-09	2.54E-10	3.50E-09
3235	437834.84	3724391.01	3.14E-08	6.31E-09	3.77E-08	6.21E-09	7.92E-10	7.00E-09	3.34E-08	3.68E-09	3.71E-08	3.44E-09	2.69E-10	3.71E-09
3236	437851.82	3724395.98	3.33E-08	6.68E-09	3.99E-08	6.57E-09	8.38E-10	7.41E-09	3.53E-08	3.89E-09	3.92E-08	3.64E-09	2.84E-10	3.92E-09
3237	437868.8	3724400.95	3.53E-08	7.07E-09	4.23E-08	6.96E-09	8.88E-10	7.85E-09	3.75E-08	4.12E-09	4.16E-08	3.86E-09	3.01E-10	4.16E-09
3238	437885.77	3724405.92	3.73E-08	7.49E-09	4.48E-08	7.37E-09	9.40E-10	8.31E-09	3.96E-08	4.36E-09	4.40E-08	4.08E-09	3.19E-10	4.40E-09
3239	437902.75	3724410.89	3.95E-08	7.92E-09	4.74E-08	7.80E-09	9.95E-10	8.79E-09	4.19E-08	4.62E-09	4.66E-08	4.32E-09	3.37E-10	4.66E-09
3240	437953.68	3724425.8	4.69E-08	9.41E-09	5.63E-08	9.27E-09	1.18E-09	1.04E-08	4.98E-08	5.49E-09	5.53E-08	5.13E-09	4.01E-10	5.53E-09
3241	437970.66	3724430.77	5.00E-08	1.00E-08	6.00E-08	9.88E-09	1.26E-09	1.11E-08	5.31E-08	5.85E-09	5.90E-08	5.47E-09	4.27E-10	5.90E-09
3242	437987.64	3724435.74	5.32E-08	1.07E-08	6.38E-08	1.05E-08	1.34E-09	1.18E-08	5.65E-08	6.22E-09	6.27E-08	5.82E-09	4.54E-10	6.27E-09
3243	438004.61	3724440.71	5.65E-08	1.13E-08	6.78E-08	1.12E-08	1.42E-09	1.26E-08	6.00E-08	6.60E-09	6.66E-08	6.18E-09	4.82E-10	6.66E-09
3244	438021.59	3724445.68	5.98E-08	1.20E-08	7.18E-08	1.18E-08	1.51E-09	1.33E-08	6.35E-08	6.99E-09	7.05E-08	6.54E-09	5.11E-10	7.05E-09
3245	438038.57	3724450.65	6.32E-08	1.27E-08	7.59E-08	1.25E-08	1.59E-09	1.41E-08	6.71E-08	7.39E-09	7.45E-08	6.91E-09	5.40E-10	7.45E-09
3246	438055.54	3724455.62	6.66E-08	1.34E-08	8.00E-08	1.32E-08	1.68E-09	1.48E-08	7.08E-08	7.79E-09	7.86E-08	7.29E-09	5.69E-10	7.86E-09
3247	438072.52	3724460.59	7.01E-08	1.41E-08	8.41E-08	1.38E-08	1.77E-09	1.56E-08	7.44E-08	8.19E-09	8.26E-08	7.67E-09	5.99E-10	8.26E-09
3248	438089.5	3724465.56	7.37E-08	1.48E-08	8.85E-08	1.46E-08	1.86E-09	1.64E-08	7.83E-08	8.62E-09	8.69E-08	8.06E-09	6.30E-10	8.69E-09
3249	438106.47	3724470.53	7.74E-08	1.55E-08	9.30E-08	1.53E-08	1.95E-09	1.72E-08	8.22E-08	9.05E-09	9.13E-08	8.47E-09	6.61E-10	9.13E-09
3250	437185.93	3724444.33	3.42E-08	6.85E-09	4.10E-08	6.75E-09	8.61E-10	7.61E-09	3.63E-08	3.99E-09	4.03E-08	3.74E-09	2.92E-10	4.03E-09
3251	437202.28	3724437.59	3.29E-08	6.61E-09	3.96E-08	6.51E-09	8.30E-10	7.34E-09	3.50E-08	3.85E-09	3.88E-08	3.60E-09	2.81E-10	3.89E-09
3252	437218.63	3724430.84	3.17E-08	6.36E-09	3.81E-08	6.26E-09	7.99E-10	7.06E-09	3.37E-08	3.71E-09	3.74E-08	3.47E-09	2.71E-10	3.74E-09
3253	437234.98	3724424.09	3.05E-08	6.12E-09	3.66E-08	6.02E-09	7.68E-10	6.79E-09	3.24E-08	3.56E-09	3.59E-08	3.33E-09	2.60E-10	3.59E-09
3254	437251.33	3724417.34	2.92E-08	5.86E-09	3.51E-08	5.77E-09	7.37E-10	6.51E-09	3.10E-08	3.42E-09	3.45E-08	3.20E-09	2.50E-10	3.45E-09
3255	437267.69	3724410.59	2.81E-08	5.63E-09	3.37E-08	5.54E-09	7.07E-10	6.25E-09	2.98E-08	3.28E-09	3.31E-08	3.07E-09	2.40E-10	3.31E-09
3256	437284.04	3724403.85	2.69E-08	5.39E-09	3.23E-08	5.31E-09	6.77E-10	5.99E-09	2.85E-08	3.14E-09	3.17E-08	2.94E-09	2.30E-10	3.17E-09
3257	437300.39	3724397.1	2.57E-08	5.16E-09	3.09E-08	5.08E-09	6.48E-10	5.73E-09	2.73E-08	3.01E-09	3.03E-08	2.82E-09	2.20E-10	3.04E-09
3258	437316.74	3724390.35	2.47E-08	4.95E-09	2.96E-08	4.87E-09	6.22E-10	5.49E-09	2.62E-08	2.88E-09	2.91E-08	2.70E-09	2.11E-10	2.91E-09
3259	437333.09	3724383.6	2.36E-08	4.74E-09	2.84E-08	4.67E-09	5.96E-10	5.26E-09	2.51E-08	2.76E-09	2.79E-08	2.59E-09	2.02E-10	2.79E-09
3260	437480.26	3724322.87	1.61E-08	3.23E-09	1.93E-08	3.18E-09	4.06E-10	3.59E-09	1.71E-08	1.88E-09	1.90E-08	1.76E-09	1.38E-10	1.90E-09
3261	437496.61	3724316.12	1.57E-08	3.14E-09	1.88E-08	3.09E-09	3.95E-10	3.49E-09	1.66E-08	1.83E-09	1.85E-08	1.71E-09	1.34E-10	1.85E-09
3262	437512.96	3724309.38	1.54E-08	3.09E-09	1.85E-08	3.04E-09	3.88E-10	3.43E-09	1.64E-08	1.80E-09	1.82E-08	1.69E-09	1.32E-10	1.82E-09
3263	437529.31	3724302.63	1.52E-08	3.05E-09	1.82E-08	3.00E-09	3.83E-10	3.38E-09	1.61E-08	1.78E-09	1.79E-08	1.66E-09	1.30E-10	1.79E-09
3264	437545.67	3724295.88	1.51E-08	3.03E-09	1.81E-08	2.98E-09	3.81E-10	3.37E-09	1.61E-08	1.77E-09	1.78E-08	1.65E-09	1.29E-10	1.78E-09
3265	437562.02	3724289.13	1.51E-08	3.02E-09	1.81E-08	2.98E-09	3.80E-10	3.36E-09	1.60E-08	1.76E-09	1.78E-08	1.65E-09	1.29E-10	1.78E-09
3266	437578.37	3724282.38	1.51E-08	3.03E-09	1.81E-08	2.98E-09	3.81E-10	3.37E-09	1.61E-08	1.77E-09	1.78E-08	1.65E-09	1.29E-10	1.78E-09
3267	437595.03	3724281.49	1.54E-08	3.08E-09	1.85E-08	3.04E-09	3.87E-10	3.42E-09	1.63E-08	1.80E-09	1.81E-08	1.68E-09	1.31E-10	1.81E-09
3268	437612.01	3724286.46	1.58E-08	3.18E-09	1.90E-08	3.13E-09	3.99E-10	3.53E-09	1.68E-08	1.85E-09	1.87E-08	1.73E-09	1.35E-10	1.87E-09
3269	437628.99	3724291.43	1.64E-08	3.28E-09	1.96E-08	3.23E-09	4.12E-10	3.64E-09	1.74E-08	1.91E-09	1.93E-08	1.79E-09	1.40E-10	1.93E-09
3270	437713.87	3724316.28	1.98E-08	3.97E-09	2.37E-08	3.91E-09	4.98E-10	4.41E-09	2.10E-08	2.31E-09	2.33E-08	2.16E-09	1.69E-10	2.33E-09
3271	437730.85	3724321.25	2.06E-08	4.14E-09	2.48E-08	4.07E-09	5.20E-10	4.59E-09	2.19E-08	2.41E-09	2.43E-08	2.26E-09	1.76E-10	2.43E-09
3272	437747.83	3724326.22	2.16E-08	4.33E-09	2.59E-08	4.26E-09	5.44E-10	4.81E-09	2.29E-08	2.52E-09	2.54E-08	2.36E-09	1.84E-10	2.55E-09
3273	437764.8	3724331.19	2.26E-08	4.53E-09	2.71E-08	4.46E-09	5.69E-10	5.03E-09	2.40E-08	2.64E-09	2.66E-08	2.47E-09	1.93E-10	2.66E-09
3274	437781.78	3724336.16	2.36E-08	4.74E-09	2.84E-08	4.67E-09	5.96E-10	5.26E-09	2.51E-08	2.76E-09	2.79E-08	2.59E-09	2.02E-10	2.79E-09
3275	437798.76	3724341.13	2.49E-08	4.99E-09	2.98E-08	4.91E-09	6.26E-10	5.54E-09	2.64E-08	2.91E-09	2.93E-08	2.72E-09	2.12E-10	2.93E-09
3276	437815.73	3724346.1	2.61E-08	5.24E-09	3.13E-08	5.16E-09	6.58E-10	5.81E-09	2.77E-08	3.05E-09	3.08E-08	2.86E-09	2.23E-10	3.08E-09
3277	437832.71	3724351.07	2.75E-08	5.52E-09	3.30E-08	5.43E-09	6.93E-10	6.12E-09	2.92E-08	3.22E-09	3.24E-08	3.01E-09	2.35E-10	3.24E-09
3278	437849.69	3724356.04	2.90E-08	5.82E-09	3.48E-08	5.73E-09	7.31E-10	6.46E-09	3.08E-08	3.39E-09	3.42E-08	3.17E-09	2.48E-10	3.42E-09
3279	437866.67	3724361.01	3.07E-08	6.16E-09	3.69E-08	6.06E-09	7.74E-10	6.84E-09	3.26E-08	3.59E-09	3.62E-08	3.36E-09	2.62E-10	3.62E-09
3280	437883.64	3724365.98	3.25E-08	6.52E-09	3.90E-08	6.42E-09	8.19E-10	7.24E-09	3.45E-08	3.80E-09	3.83E-08	3.56E-09	2.78E-10	3.83E-09
3281	437934.57	3724380.89	3.87E-08	7.77E-09	4.65E-08	7.65E-09	9.76E-10	8.62E-09	4.11E-08	4.53E-09	4.56E-08	4.24E-09	3.31E-10	4.57E-09
3282	437951.55	3724385.86	4.11E-08	8.24E-09	4.93E-08	8.11E-09	1.03E-09	9.15E-09	4.36E-08	4.80E-09	4.84E-08	4.49E-09	3.51E-10	4.84E-09
3283	437968.53	3724390.83	4.38E-08	8.79E-09	5.26E-08	8.65E-09	1.10E-09	9.75E-09	4.65E-08	5.12E-09	5.16E-08	4.79E-09	3.74E-10	5.16E-09
3284	437985.5	3724395.8	4.67E-08	9.36E-09	5.60E-08	9.22E-09	1.18E-09	1.04E-08	4.96E-08	5.46E-09	5.50E-08	5.10E-09	3.99E-10	5.50E-09
3285	438002.48	3724400.77	4.96E-08	9.95E-09	5.95E-08	9.80E-09	1.25E-09	1.10E-08	5.27E-08	5.80E-09	5.85E-08	5.43E-09	4.24E-10	5.85E-09
3286	438019.46	3724405.74	5.26E-08	1.06E-08	6.32E-08	1.04E-08	1.33E-09	1.17E-08	5.59E-08	6.16E-09	6.21E-08	5.76E-09	4.50E-10	6.21E-09
3287	438036.44	3724410.71	5.57E-08	1.12E-08	6.68E-08	1.10E-08	1.40E-09	1.24E-08	5.91E-08	6.51E-09	6.56E-08	6.09E-09	4.75E-10	6.56E-09
3288	438053.41	3724415.68	5.87E-08	1.18E-08	7.05E-08	1.16E-08	1.48E-09	1.31E-08	6.23E-08	6.86E-09	6.92E-08	6.42E-09	5.01E-10	6.92E-09
3289	438070.39	3724420.65	6.17E-08	1.24E-08	7.41E-08	1.22E-08	1.56E-09	1.37E-08	6.56E-08	7.22E-09	7.28E-08	6.75E-09	5.27E-10	7.28E-09
3290	438087.37	3724425.62	6.49E-08	1.30E-08	7.80E-08	1.28E-08	1.64E-09	1.45E-08	6.90E-08	7.59E-09	7.66E-08	7.10E-09	5.55E-10	7.66E-09
3291	438104.34	3724430.59	6.82E-08	1.37E-08	8.19E-08	1.35E-08	1.72E-09	1.52E-08	7.24E-08	7.98E-09	8.04E-08	7.46E-09	5.83E-10	8.04E-09
3292	438121.32	3724435.56	7.15E-08	1.44E-08	8.59E-08	1.41E-08	1.80E-09	1.59E-08	7.60E-08	8.37E-09	8.44E-08	7.83E-09	6.11E-10	8.44E-09
3293	437159.27	3724414.51	3.26E-08	6.55E-09	3.92E-08	6.45E-09	8.23E-10	7.27E-09	3.47E-08	3.82E-09	3.85E-08	3.57E-09	2.79E-10	3.85E-09
3294	437175.62	3724407.76	3.15E-08	6.32E-09	3.78E-08	6.22E-09	7.94E-10	7.02E-09	3.35E-08	3.68E-09	3.72E-08	3.45E-09	2.69E-10	3.72E-09
3295	437191.97	3724401.02	3.04E-08	6.09E-09	3.65E-08	6.00E-09	7.65E-10	6.76E-09	3.23E-08	3.55E-09	3.58E-08	3.32E-09	2.59E-10	3.58E-09
3296	437208.32	3724394.27	2.92E-08	5.86E-09	3.51E-08	5.77E-09	7.37E-10	6.51E-09	3.10E-08	3.42E-09	3.45E-08	3.20E-09	2.50E-10	3.45E-09
3297	437224.68	3724387.52	2.81E-08	5.64E-09	3.38E-08	5.56E-09	7.09E-10	6.26E-09	2.99E-08	3.29E-09	3.32E-08	3.08E-09	2.40E-10	3.32E-09
3298	437241.03	3724380.77	2.70E-08	5.41E-09	3.24E-08	5.33E-09	6.80E-10	6.01E-09	2.87E-08	3.16E-09	3.18E-08	2.95E-09	2.31E-10	3.18E-09
3299	437257.38	3724374.02	2.59E-08	5.20E-09	3.11E-08	5.12E-09	6.53E-10	5.77E-09	2.75E-08	3.03E-09	3.06E-08	2.84E-09	2.21E-10	3.06E-09
3300	437273.73	3724367.28	2.49E-08	4.99E-09	2.99E-08	4.92E-09	6.27E-10	5.54E-09	2.64E-08	2.91E-09	2.93E-08	2.72E-09	2.13E-10	2.94E-09
3301	437290.08	3724360.53	2.39E-08	4.79E-09	2.86E-08	4.71E-09	6.01E-10	5.31E-09	2.53E-08	2.79E-09	2.81E-08	2.61E-09	2.04E-10	2.81E-09
3302	437306.43	3724353.78	2.29E-08	4.60E-09	2.75E-08	4.52E-09	5.77E-10	5.10E-09	2.43E-08	2.68E-09	2.70E-08	2.51E-09	1.96E-10	2.70E-09
3303	437486.3	3724279.55	1.49E-08	2.98E-09	1.78E-08	2.93E-09	3.74E-10	3.31E-09	1.58E-08	1.74E-09	1.75E-08	1.62E-09	1.27E-10	1.75E-09
3304	437502.66	3724272.81	1.45E-08	2.91E-09	1.74E-08	2.86E-09	3.65E-10	3.23E-09	1.54E-08	1.69E-09	1.71E-08	1.58E-09	1.24E-10	1.71E-09
3305	437519.01	3724266.06	1.43E-08	2.87E-09	1.72E-08	2.82E-09	3.60E-10	3.19E-09	1.52E-08	1.67E-09	1.69E-08	1.56E-09	1.22E-10	1.69E-09
3306	437535.36	3724259.31	1.42E-08	2.84E-09	1.70E-08	2.80E-09	3.57E-10	3.15E-09	1.50E-08	1.66E-09	1.67E-08	1.55E-09	1.21E-10	1.67E-09
3307	437551.71	3724252.56	1.42E-08	2.84E-09	1.70E-08	2.80E-09	3.57E-10	3.15E-09	1.50E-08	1.66E-09	1.67E-08	1.55E-09	1.21E-10	1.67E-09

3308	437568.06	3724245.81	1.42E-08	2.84E-09	1.70E-08	2.80E-09	3.57E-10	3.15E-09	1.50E-08	1.66E-09	1.67E-08	1.55E-09	1.21E-10	1.67E-09
3309	437592.9	3724241.55	1.43E-08	2.88E-09	1.72E-08	2.83E-09	3.61E-10	3.19E-09	1.52E-08	1.68E-09	1.69E-08	1.57E-09	1.22E-10	1.69E-09
3310	437609.88	3724246.52	1.47E-08	2.96E-09	1.77E-08	2.91E-09	3.71E-10	3.28E-09	1.57E-08	1.72E-09	1.74E-08	1.61E-09	1.26E-10	1.74E-09
3311	437745.7	3724286.28	1.95E-08	3.92E-09	2.34E-08	3.86E-09	4.92E-10	4.35E-09	2.07E-08	2.28E-09	2.30E-08	2.14E-09	1.67E-10	2.30E-09
3312	437762.67	3724291.25	2.04E-08	4.09E-09	2.45E-08	4.02E-09	5.13E-10	4.54E-09	2.16E-08	2.38E-09	2.40E-08	2.23E-09	1.74E-10	2.40E-09
3313	437779.65	3724296.22	2.13E-08	4.26E-09	2.55E-08	4.20E-09	5.35E-10	4.73E-09	2.26E-08	2.49E-09	2.51E-08	2.32E-09	1.82E-10	2.51E-09
3314	437796.63	3724301.19	2.22E-08	4.46E-09	2.67E-08	4.39E-09	5.60E-10	4.95E-09	2.36E-08	2.60E-09	2.62E-08	2.43E-09	1.90E-10	2.62E-09
3315	437813.6	3724306.16	2.32E-08	4.66E-09	2.79E-08	4.59E-09	5.86E-10	5.17E-09	2.47E-08	2.72E-09	2.74E-08	2.54E-09	1.98E-10	2.74E-09
3316	437830.58	3724311.13	2.44E-08	4.89E-09	2.93E-08	4.81E-09	6.14E-10	5.43E-09	2.59E-08	2.85E-09	2.87E-08	2.67E-09	2.08E-10	2.87E-09
3317	437847.56	3724316.1	2.57E-08	5.16E-09	3.09E-08	5.08E-09	6.48E-10	5.73E-09	2.73E-08	3.01E-09	3.03E-08	2.82E-09	2.20E-10	3.04E-09
3318	437864.53	3724321.07	2.72E-08	5.45E-09	3.26E-08	5.37E-09	6.85E-10	6.05E-09	2.89E-08	3.18E-09	3.20E-08	2.97E-09	2.32E-10	3.20E-09
3319	437898.49	3724331.01	3.05E-08	6.12E-09	3.66E-08	6.02E-09	7.68E-10	6.79E-09	3.24E-08	3.56E-09	3.59E-08	3.33E-09	2.60E-10	3.59E-09
3320	437915.47	3724335.98	3.24E-08	6.50E-09	3.89E-08	6.40E-09	8.16E-10	7.21E-09	3.44E-08	3.79E-09	3.82E-08	3.54E-09	2.77E-10	3.82E-09
3321	437932.44	3724340.95	3.44E-08	6.90E-09	4.13E-08	6.79E-09	8.66E-10	7.66E-09	3.65E-08	4.02E-09	4.05E-08	3.76E-09	2.94E-10	4.05E-09
3322	437949.42	3724345.92	3.65E-08	7.32E-09	4.38E-08	7.20E-09	9.19E-10	8.12E-09	3.87E-08	4.27E-09	4.30E-08	3.99E-09	3.12E-10	4.30E-09
3323	437966.4	3724350.89	3.88E-08	7.79E-09	4.66E-08	7.67E-09	9.78E-10	8.65E-09	4.12E-08	4.54E-09	4.58E-08	4.25E-09	3.32E-10	4.58E-09
3324	437983.37	3724355.86	4.13E-08	8.28E-09	4.96E-08	8.15E-09	1.04E-09	9.20E-09	4.39E-08	4.83E-09	4.87E-08	4.52E-09	3.53E-10	4.87E-09
3325	438000.35	3724360.82	4.38E-08	8.79E-09	5.26E-08	8.65E-09	1.10E-09	9.75E-09	4.65E-08	5.12E-09	5.16E-08	4.79E-09	3.74E-10	5.16E-09
3326	438017.33	3724365.79	4.64E-08	9.32E-09	5.58E-08	9.17E-09	1.17E-09	1.03E-08	4.93E-08	5.43E-09	5.48E-08	5.08E-09	3.97E-10	5.48E-09
3327	438034.3	3724370.76	4.92E-08	9.88E-09	5.91E-08	9.72E-09	1.24E-09	1.10E-08	5.23E-08	5.76E-09	5.80E-08	5.39E-09	4.20E-10	5.81E-09
3328	438051.28	3724375.73	5.20E-08	1.04E-08	6.24E-08	1.03E-08	1.31E-09	1.16E-08	5.52E-08	6.08E-09	6.13E-08	5.69E-09	4.44E-10	6.13E-09
3329	438068.26	3724380.7	5.48E-08	1.10E-08	6.58E-08	1.08E-08	1.38E-09	1.22E-08	5.82E-08	6.41E-09	6.46E-08	5.99E-09	4.68E-10	6.46E-09
3330	438085.23	3724385.67	5.76E-08	1.16E-08	6.91E-08	1.14E-08	1.45E-09	1.28E-08	6.12E-08	6.73E-09	6.79E-08	6.30E-09	4.92E-10	6.79E-09
3331	438102.21	3724390.64	6.04E-08	1.21E-08	7.25E-08	1.19E-08	1.52E-09	1.35E-08	6.42E-08	7.06E-09	7.12E-08	6.61E-09	5.16E-10	7.12E-09
3332	438119.19	3724395.61	6.34E-08	1.27E-08	7.61E-08	1.25E-08	1.60E-09	1.41E-08	6.73E-08	7.41E-09	7.47E-08	6.93E-09	5.41E-10	7.48E-09
3333	438136.17	3724400.58	6.64E-08	1.33E-08	7.97E-08	1.31E-08	1.67E-09	1.48E-08	7.05E-08	7.76E-09	7.83E-08	7.26E-09	5.67E-10	7.83E-09
3334	438153.14	3724405.55	6.96E-08	1.40E-08	8.35E-08	1.37E-08	1.75E-09	1.55E-08	7.39E-08	8.13E-09	8.20E-08	7.61E-09	5.94E-10	8.20E-09
3335	437132.61	3724384.69	3.12E-08	6.26E-09	3.75E-08	6.17E-09	7.87E-10	6.95E-09	3.32E-08	3.65E-09	3.68E-08	3.41E-09	2.67E-10	3.68E-09
3336	437148.96	3724377.94	3.02E-08	6.06E-09	3.63E-08	5.97E-09	7.62E-10	6.73E-09	3.21E-08	3.53E-09	3.56E-08	3.31E-09	2.58E-10	3.56E-09
3337	437165.31	3724371.2	2.92E-08	5.86E-09	3.50E-08	5.77E-09	7.36E-10	6.50E-09	3.10E-08	3.41E-09	3.44E-08	3.19E-09	2.49E-10	3.44E-09
3338	437181.67	3724364.45	2.81E-08	5.64E-09	3.38E-08	5.56E-09	7.09E-10	6.26E-09	2.99E-08	3.29E-09	3.32E-08	3.08E-09	2.40E-10	3.32E-09
3339	437198.02	3724357.7	2.71E-08	5.44E-09	3.25E-08	5.35E-09	6.83E-10	6.03E-09	2.88E-08	3.17E-09	3.20E-08	2.96E-09	2.31E-10	3.20E-09
3340	437214.37	3724350.95	2.61E-08	5.23E-09	3.13E-08	5.15E-09	6.57E-10	5.81E-09	2.77E-08	3.05E-09	3.07E-08	2.85E-09	2.23E-10	3.07E-09
3341	437230.72	3724344.2	2.50E-08	5.02E-09	3.01E-08	4.95E-09	6.31E-10	5.58E-09	2.66E-08	2.93E-09	2.95E-08	2.74E-09	2.14E-10	2.95E-09
3342	437247.07	3724337.46	2.41E-08	4.83E-09	2.89E-08	4.76E-09	6.07E-10	5.36E-09	2.56E-08	2.82E-09	2.84E-08	2.63E-09	2.06E-10	2.84E-09
3343	437263.42	3724330.71	2.31E-08	4.64E-09	2.78E-08	4.57E-09	5.83E-10	5.15E-09	2.46E-08	2.70E-09	2.73E-08	2.53E-09	1.98E-10	2.73E-09
3344	437279.78	3724323.96	2.22E-08	4.46E-09	2.67E-08	4.39E-09	5.60E-10	4.95E-09	2.36E-08	2.60E-09	2.62E-08	2.43E-09	1.90E-10	2.62E-09
3345	437476	3724242.98	1.42E-08	2.85E-09	1.70E-08	2.80E-09	3.58E-10	3.16E-09	1.51E-08	1.66E-09	1.67E-08	1.55E-09	1.21E-10	1.67E-09
3346	437492.35	3724236.24	1.38E-08	2.76E-09	1.65E-08	2.72E-09	3.46E-10	3.06E-09	1.46E-08	1.61E-09	1.62E-08	1.50E-09	1.17E-10	1.62E-09
3347	437508.7	3724229.49	1.35E-08	2.71E-09	1.62E-08	2.67E-09	3.40E-10	3.01E-09	1.43E-08	1.58E-09	1.59E-08	1.48E-09	1.15E-10	1.59E-09
3348	437525.05	3724222.74	1.33E-08	2.68E-09	1.60E-08	2.64E-09	3.36E-10	2.97E-09	1.42E-08	1.56E-09	1.57E-08	1.46E-09	1.14E-10	1.57E-09
3349	437541.4	3724215.99	1.33E-08	2.66E-09	1.59E-08	2.62E-09	3.34E-10	2.96E-09	1.41E-08	1.55E-09	1.56E-08	1.45E-09	1.13E-10	1.57E-09
3350	437557.76	3724209.25	1.32E-08	2.66E-09	1.59E-08	2.61E-09	3.34E-10	2.95E-09	1.41E-08	1.55E-09	1.56E-08	1.45E-09	1.13E-10	1.56E-09
3351	437574.11	3724202.5	1.33E-08	2.66E-09	1.59E-08	2.62E-09	3.34E-10	2.96E-09	1.41E-08	1.55E-09	1.56E-08	1.45E-09	1.13E-10	1.57E-09
3352	437590.77	3724201.61	1.34E-08	2.69E-09	1.61E-08	2.65E-09	3.38E-10	2.99E-09	1.43E-08	1.57E-09	1.58E-08	1.47E-09	1.15E-10	1.58E-09
3353	437692.63	3724231.43	1.59E-08	3.19E-09	1.91E-08	3.14E-09	4.00E-10	3.54E-09	1.69E-08	1.86E-09	1.87E-08	1.74E-09	1.36E-10	1.87E-09
3354	437709.61	3724236.4	1.65E-08	3.30E-09	1.98E-08	3.25E-09	4.15E-10	3.67E-09	1.75E-08	1.93E-09	1.94E-08	1.80E-09	1.41E-10	1.94E-09
3355	437726.59	3724241.37	1.71E-08	3.42E-09	2.05E-08	3.37E-09	4.30E-10	3.80E-09	1.81E-08	1.99E-09	2.01E-08	1.87E-09	1.46E-10	2.01E-09
3356	437743.56	3724246.34	1.77E-08	3.56E-09	2.13E-08	3.50E-09	4.47E-10	3.95E-09	1.88E-08	2.07E-09	2.09E-08	1.94E-09	1.51E-10	2.09E-09
3357	437845.43	3724276.15	2.31E-08	4.63E-09	2.77E-08	4.56E-09	5.82E-10	5.14E-09	2.45E-08	2.70E-09	2.72E-08	2.53E-09	1.97E-10	2.72E-09
3358	437862.4	3724281.12	2.43E-08	4.88E-09	2.92E-08	4.81E-09	6.13E-10	5.42E-09	2.59E-08	2.85E-09	2.87E-08	2.66E-09	2.08E-10	2.87E-09
3359	437879.38	3724286.09	2.58E-08	5.17E-09	3.09E-08	5.09E-09	6.49E-10	5.74E-09	2.74E-08	3.01E-09	3.04E-08	2.82E-09	2.20E-10	3.04E-09
3360	437930.31	3724301	3.08E-08	6.19E-09	3.70E-08	6.09E-09	7.77E-10	6.87E-09	3.28E-08	3.61E-09	3.64E-08	3.37E-09	2.63E-10	3.64E-09
3361	437947.29	3724305.97	3.28E-08	6.58E-09	3.94E-08	6.48E-09	8.26E-10	7.30E-09	3.48E-08	3.84E-09	3.87E-08	3.59E-09	2.80E-10	3.87E-09
3362	437964.27	3724310.94	3.48E-08	6.99E-09	4.18E-08	6.88E-09	8.77E-10	7.75E-09	3.70E-08	4.07E-09	4.11E-08	3.81E-09	2.97E-10	4.11E-09
3363	437981.24	3724315.91	3.70E-08	7.42E-09	4.44E-08	7.31E-09	9.32E-10	8.24E-09	3.93E-08	4.33E-09	4.36E-08	4.05E-09	3.16E-10	4.36E-09
3364	437998.22	3724320.88	3.92E-08	7.86E-09	4.70E-08	7.73E-09	9.87E-10	8.72E-09	4.16E-08	4.58E-09	4.62E-08	4.28E-09	3.34E-10	4.62E-09
3365	438015.2	3724325.85	4.14E-08	8.31E-09	4.97E-08	8.18E-09	1.04E-09	9.22E-09	4.40E-08	4.84E-09	4.88E-08	4.53E-09	3.54E-10	4.88E-09
3366	438032.17	3724330.82	4.38E-08	8.79E-09	5.26E-08	8.66E-09	1.10E-09	9.76E-09	4.66E-08	5.12E-09	5.17E-08	4.79E-09	3.74E-10	5.17E-09
3367	438049.15	3724335.79	4.63E-08	9.30E-09	5.56E-08	9.15E-09	1.17E-09	1.03E-08	4.92E-08	5.42E-09	5.46E-08	5.07E-09	3.96E-10	5.46E-09
3368	438066.13	3724340.76	4.89E-08	9.81E-09	5.87E-08	9.66E-09	1.23E-09	1.09E-08	5.19E-08	5.72E-09	5.77E-08	5.35E-09	4.18E-10	5.77E-09
3369	438083.1	3724345.73	5.14E-08	1.03E-08	6.18E-08	1.02E-08	1.30E-09	1.15E-08	5.46E-08	6.01E-09	6.06E-08	5.63E-09	4.39E-10	6.07E-09
3370	438100.08	3724350.7	5.40E-08	1.08E-08	6.48E-08	1.07E-08	1.36E-09	1.20E-08	5.73E-08	6.31E-09	6.36E-08	5.90E-09	4.61E-10	6.37E-09
3371	438117.06	3724355.67	5.67E-08	1.14E-08	6.81E-08	1.12E-08	1.43E-09	1.26E-08	6.02E-08	6.63E-09	6.68E-08	6.20E-09	4.84E-10	6.69E-09
3372	438134.03	3724360.64	5.94E-08	1.19E-08	7.13E-08	1.17E-08	1.50E-09	1.32E-08	6.31E-08	6.95E-09	7.01E-08	6.50E-09	5.07E-10	7.01E-09
3373	438151.01	3724365.61	6.21E-08	1.25E-08	7.46E-08	1.23E-08	1.57E-09	1.38E-08	6.60E-08	7.27E-09	7.33E-08	6.80E-09	5.31E-10	7.33E-09
3374	438167.99	3724370.58	6.48E-08	1.30E-08	7.78E-08	1.28E-08	1.63E-09	1.44E-08	6.89E-08	7.58E-09	7.64E-08	7.09E-09	5.54E-10	7.64E-09
3375	437122.3	3724348.12	2.90E-08	5.81E-09	3.48E-08	5.72E-09	7.30E-10	6.45E-09	3.08E-08	3.39E-09	3.42E-08	3.17E-09	2.47E-10	3.42E-09
3376	437138.65	3724341.37	2.80E-08	5.62E-09	3.36E-08	5.53E-09	7.06E-10	6.24E-09	2.98E-08	3.28E-09	3.30E-08	3.06E-09	2.39E-10	3.30E-09
3377	437155.01	3724334.63	2.71E-08	5.43E-09	3.25E-08	5.34E-09	6.82E-10	6.03E-09	2.87E-08	3.16E-09	3.19E-08	2.96E-09	2.31E-10	3.19E-09
3378	437171.36	3724327.88	2.61E-08	5.24E-09	3.13E-08	5.16E-09	6.58E-10	5.81E-09	2.77E-08	3.05E-09	3.08E-08	2.86E-09	2.23E-10	3.08E-09
3379	437187.71	3724321.13	2.52E-08	5.05E-09	3.02E-08	4.97E-09	6.35E-10	5.61E-09	2.68E-08	2.95E-09	2.97E-08	2.76E-09	2.15E-10	2.97E-09
3380	437204.06	3724314.38	2.42E-08	4.86E-09	2.91E-08	4.79E-09	6.11E-10	5.40E-09	2.57E-08	2.83E-09	2.86E-08	2.65E-09	2.07E-10	2.86E-09
3381	437220.41	3724307.63	2.33E-08	4.68E-09	2.80E-08	4.60E-09	5.87E-10	5.19E-09	2.48E-08	2.73E-09	2.75E-08	2.55E-09	1.99E-10	2.75E-09
3382	437236.77	3724300.89	2.24E-08	4.50E-09	2.69E-08	4.43E-09	5.65E-10	4.99E-09	2.38E-08	2.62E-09	2.64E-08	2.45E-09	1.92E-10	2.64E-09
3383	437253.12	3724294.14	2.16E-08	4.33E-09	2.59E-08	4.26E-09	5.44E-10	4.81E-09	2.29E-08	2.52E-09	2.54E-08	2.36E-09	1.84E-10	2.55E-09
3384	437449.34	3724213.16	1.38E-08	2.76E-09	1.65E-08	2.72E-09	3.46E-10	3.06E-09	1.46E-08	1.61E-09	1.62E-08	1.50E-09	1.17E-10	1.62E-09

3385	437465.69	3724206.42	1.33E-08	2.66E-09	1.59E-08	2.62E-09	3.34E-10	2.96E-09	1.41E-08	1.55E-09	1.56E-08	1.45E-09	1.13E-10	1.57E-09
3386	437482.04	3724199.67	1.29E-08	2.60E-09	1.55E-08	2.56E-09	3.26E-10	2.88E-09	1.37E-08	1.51E-09	1.53E-08	1.42E-09	1.11E-10	1.53E-09
3387	437498.39	3724192.92	1.27E-08	2.55E-09	1.52E-08	2.51E-09	3.20E-10	2.82E-09	1.35E-08	1.48E-09	1.50E-08	1.39E-09	1.08E-10	1.50E-09
3388	437514.75	3724186.17	1.26E-08	2.52E-09	1.51E-08	2.48E-09	3.17E-10	2.80E-09	1.34E-08	1.47E-09	1.48E-08	1.38E-09	1.07E-10	1.48E-09
3389	437531.1	3724179.42	1.25E-08	2.50E-09	1.50E-08	2.46E-09	3.14E-10	2.78E-09	1.32E-08	1.46E-09	1.47E-08	1.36E-09	1.06E-10	1.47E-09
3390	437547.45	3724172.68	1.25E-08	2.50E-09	1.50E-08	2.46E-09	3.14E-10	2.78E-09	1.32E-08	1.46E-09	1.47E-08	1.36E-09	1.06E-10	1.47E-09
3391	437563.8	3724165.93	1.25E-08	2.50E-09	1.50E-08	2.46E-09	3.14E-10	2.78E-09	1.32E-08	1.46E-09	1.47E-08	1.36E-09	1.06E-10	1.47E-09
3392	437588.64	3724161.67	1.26E-08	2.54E-09	1.52E-08	2.50E-09	3.19E-10	2.82E-09	1.34E-08	1.48E-09	1.49E-08	1.38E-09	1.08E-10	1.49E-09
3393	437673.53	3724186.51	1.43E-08	2.86E-09	1.71E-08	2.82E-09	3.59E-10	3.18E-09	1.52E-08	1.67E-09	1.68E-08	1.56E-09	1.22E-10	1.68E-09
3394	437690.5	3724191.48	1.47E-08	2.95E-09	1.77E-08	2.90E-09	3.71E-10	3.28E-09	1.56E-08	1.72E-09	1.73E-08	1.61E-09	1.26E-10	1.73E-09
3395	437707.48	3724196.45	1.51E-08	3.04E-09	1.82E-08	2.99E-09	3.82E-10	3.37E-09	1.61E-08	1.77E-09	1.79E-08	1.66E-09	1.29E-10	1.79E-09
3396	437724.46	3724201.42	1.57E-08	3.14E-09	1.88E-08	3.09E-09	3.95E-10	3.49E-09	1.66E-08	1.83E-09	1.85E-08	1.71E-09	1.34E-10	1.85E-09
3397	437741.43	3724206.39	1.63E-08	3.26E-09	1.95E-08	3.21E-09	4.09E-10	3.62E-09	1.73E-08	1.90E-09	1.92E-08	1.78E-09	1.39E-10	1.92E-09
3398	437758.41	3724211.36	1.69E-08	3.39E-09	2.03E-08	3.33E-09	4.25E-10	3.76E-09	1.79E-08	1.97E-09	1.99E-08	1.85E-09	1.44E-10	1.99E-09
3399	437775.39	3724216.33	1.75E-08	3.52E-09	2.11E-08	3.46E-09	4.42E-10	3.91E-09	1.86E-08	2.05E-09	2.07E-08	1.92E-09	1.50E-10	2.07E-09
3400	437792.36	3724221.3	1.82E-08	3.65E-09	2.19E-08	3.59E-09	4.59E-10	4.05E-09	1.93E-08	2.13E-09	2.15E-08	1.99E-09	1.55E-10	2.15E-09
3401	437809.34	3724226.27	1.90E-08	3.81E-09	2.28E-08	3.75E-09	4.79E-10	4.23E-09	2.02E-08	2.22E-09	2.24E-08	2.08E-09	1.62E-10	2.24E-09
3402	437826.32	3724231.24	1.99E-08	3.98E-09	2.38E-08	3.92E-09	5.00E-10	4.42E-09	2.11E-08	2.32E-09	2.34E-08	2.17E-09	1.70E-10	2.34E-09
3403	437843.3	3724236.21	2.09E-08	4.20E-09	2.51E-08	4.13E-09	5.27E-10	4.66E-09	2.22E-08	2.45E-09	2.47E-08	2.29E-09	1.79E-10	2.47E-09
3404	437860.27	3724241.18	2.21E-08	4.43E-09	2.65E-08	4.36E-09	5.56E-10	4.91E-09	2.34E-08	2.58E-09	2.60E-08	2.41E-09	1.88E-10	2.60E-09
3405	437877.25	3724246.15	2.33E-08	4.68E-09	2.80E-08	4.61E-09	5.88E-10	5.20E-09	2.48E-08	2.73E-09	2.75E-08	2.55E-09	1.99E-10	2.75E-09
3406	437894.23	3724251.12	2.47E-08	4.96E-09	2.97E-08	4.89E-09	6.23E-10	5.51E-09	2.63E-08	2.89E-09	2.92E-08	2.71E-09	2.11E-10	2.92E-09
3407	437911.2	3724256.09	2.63E-08	5.27E-09	3.15E-08	5.18E-09	6.61E-10	5.85E-09	2.79E-08	3.07E-09	3.10E-08	2.87E-09	2.24E-10	3.10E-09
3408	437928.18	3724261.06	2.79E-08	5.59E-09	3.35E-08	5.50E-09	7.02E-10	6.21E-09	2.96E-08	3.26E-09	3.29E-08	3.05E-09	2.38E-10	3.29E-09
3409	437962.13	3724271	3.14E-08	6.31E-09	3.77E-08	6.21E-09	7.92E-10	7.00E-09	3.34E-08	3.68E-09	3.71E-08	3.44E-09	2.69E-10	3.71E-09
3410	437979.11	3724275.97	3.33E-08	6.69E-09	4.00E-08	6.59E-09	8.40E-10	7.43E-09	3.54E-08	3.90E-09	3.93E-08	3.65E-09	2.85E-10	3.93E-09
3411	437996.09	3724280.94	3.53E-08	7.07E-09	4.23E-08	6.96E-09	8.88E-10	7.85E-09	3.75E-08	4.12E-09	4.16E-08	3.86E-09	3.01E-10	4.16E-09
3412	438013.06	3724285.91	3.73E-08	7.48E-09	4.48E-08	7.36E-09	9.39E-10	8.30E-09	3.96E-08	4.36E-09	4.40E-08	4.08E-09	3.18E-10	4.40E-09
3413	438030.04	3724290.88	3.94E-08	7.90E-09	4.73E-08	7.78E-09	9.92E-10	8.77E-09	4.18E-08	4.60E-09	4.64E-08	4.31E-09	3.36E-10	4.64E-09
3414	438047.02	3724295.85	4.16E-08	8.35E-09	5.00E-08	8.22E-09	1.05E-09	9.27E-09	4.42E-08	4.87E-09	4.91E-08	4.55E-09	3.55E-10	4.91E-09
3415	438064	3724300.82	4.40E-08	8.82E-09	5.28E-08	8.68E-09	1.11E-09	9.79E-09	4.67E-08	5.14E-09	5.18E-08	4.81E-09	3.76E-10	5.19E-09
3416	438080.97	3724305.79	4.64E-08	9.31E-09	5.57E-08	9.16E-09	1.17E-09	1.03E-08	4.93E-08	5.43E-09	5.47E-08	5.08E-09	3.96E-10	5.47E-09
3417	438097.95	3724310.76	4.89E-08	9.80E-09	5.87E-08	9.65E-09	1.23E-09	1.09E-08	5.19E-08	5.71E-09	5.76E-08	5.35E-09	4.17E-10	5.76E-09
3418	438114.93	3724315.73	5.11E-08	1.03E-08	6.14E-08	1.01E-08	1.29E-09	1.14E-08	5.43E-08	5.98E-09	6.03E-08	5.59E-09	4.37E-10	6.03E-09
3419	438199.81	3724340.58	6.15E-08	1.23E-08	7.39E-08	1.21E-08	1.55E-09	1.37E-08	6.53E-08	7.19E-09	7.25E-08	6.73E-09	5.25E-10	7.25E-09
3420	436933.68	3724549.6	4.63E-08	9.28E-09	5.55E-08	9.14E-09	1.17E-09	1.03E-08	4.91E-08	5.41E-09	5.45E-08	5.06E-09	3.95E-10	5.45E-09
3421	436926.33	3724556.23	4.65E-08	9.34E-09	5.59E-08	9.19E-09	1.17E-09	1.04E-08	4.94E-08	5.44E-09	5.49E-08	5.09E-09	3.98E-10	5.49E-09
3422	436918.99	3724562.85	4.68E-08	9.40E-09	5.62E-08	9.25E-09	1.18E-09	1.04E-08	4.98E-08	5.48E-09	5.52E-08	5.12E-09	4.00E-10	5.52E-09
3423	436921.57	3724506.65	4.31E-08	8.65E-09	5.17E-08	8.51E-09	1.09E-09	9.60E-09	4.58E-08	5.04E-09	5.08E-08	4.71E-09	3.68E-10	5.08E-09
3424	436914.23	3724513.28	4.35E-08	8.72E-09	5.22E-08	8.58E-09	1.10E-09	9.68E-09	4.62E-08	5.08E-09	5.12E-08	4.75E-09	3.71E-10	5.13E-09
3425	436906.88	3724519.9	4.38E-08	8.79E-09	5.26E-08	8.65E-09	1.10E-09	9.75E-09	4.65E-08	5.12E-09	5.16E-08	4.79E-09	3.74E-10	5.16E-09
3426	436899.54	3724526.53	4.41E-08	8.85E-09	5.29E-08	8.71E-09	1.11E-09	9.82E-09	4.68E-08	5.15E-09	5.20E-08	4.82E-09	3.77E-10	5.20E-09
3427	436892.19	3724533.15	4.43E-08	8.89E-09	5.32E-08	8.75E-09	1.12E-09	9.87E-09	4.71E-08	5.18E-09	5.22E-08	4.85E-09	3.78E-10	5.22E-09
3428	436894.78	3724476.95	4.07E-08	8.17E-09	4.89E-08	8.05E-09	1.03E-09	9.07E-09	4.33E-08	4.76E-09	4.80E-08	4.46E-09	3.48E-10	4.80E-09
3429	436887.43	3724483.58	4.11E-08	8.24E-09	4.93E-08	8.11E-09	1.03E-09	9.15E-09	4.36E-08	4.80E-09	4.84E-08	4.49E-09	3.51E-10	4.84E-09
3430	436880.09	3724490.2	4.14E-08	8.30E-09	4.97E-08	8.17E-09	1.04E-09	9.21E-09	4.39E-08	4.84E-09	4.88E-08	4.52E-09	3.53E-10	4.88E-09
3431	436872.74	3724496.83	4.17E-08	8.37E-09	5.01E-08	8.23E-09	1.05E-09	9.29E-09	4.43E-08	4.88E-09	4.92E-08	4.56E-09	3.56E-10	4.92E-09
3432	436865.4	3724503.45	4.19E-08	8.41E-09	5.03E-08	8.28E-09	1.06E-09	9.33E-09	4.45E-08	4.90E-09	4.94E-08	4.59E-09	3.58E-10	4.94E-09

			T2		T2L3		T3		T4f	
			1870	437750.64						
			4.48E-02	9.73E-03	8.85E-03	1.22E-03	4.76E-02	5.67E-03	4.90E-03	4.14E-04
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	437235.35	3725540.6	3.13E-04	6.79E-05	6.18E-05	8.53E-06	3.32E-04	3.96E-05	3.42E-05	2.89E-06
2	437200.39	3725546.56	2.60E-04	5.64E-05	5.13E-05	7.08E-06	2.76E-04	3.29E-05	2.84E-05	2.40E-06
3	437206.71	3725553.6	2.66E-04	5.78E-05	5.25E-05	7.25E-06	2.82E-04	3.37E-05	2.91E-05	2.46E-06
4	437213.03	3725560.64	2.72E-04	5.91E-05	5.37E-05	7.42E-06	2.89E-04	3.44E-05	2.98E-05	2.52E-06
5	437174.93	3725557.74	2.29E-04	4.97E-05	4.52E-05	6.25E-06	2.43E-04	2.90E-05	2.50E-05	2.12E-06
6	437171.8	3725548.87	2.27E-04	4.93E-05	4.49E-05	6.20E-06	2.41E-04	2.88E-05	2.48E-05	2.10E-06
7	437149.56	3725569.14	2.03E-04	4.40E-05	4.00E-05	5.53E-06	2.15E-04	2.57E-05	2.22E-05	1.87E-06
8	437146.47	3725560.39	2.01E-04	4.37E-05	3.97E-05	5.49E-06	2.14E-04	2.55E-05	2.20E-05	1.86E-06
9	437143.38	3725551.64	2.00E-04	4.34E-05	3.94E-05	5.45E-06	2.12E-04	2.53E-05	2.18E-05	1.85E-06
10	437155.74	3725586.65	2.05E-04	4.44E-05	4.04E-05	5.58E-06	2.17E-04	2.59E-05	2.24E-05	1.89E-06
11	437162.06	3725593.69	2.09E-04	4.55E-05	4.13E-05	5.71E-06	2.22E-04	2.65E-05	2.29E-05	1.93E-06
12	437168.38	3725600.73	2.14E-04	4.64E-05	4.22E-05	5.83E-06	2.27E-04	2.71E-05	2.34E-05	1.98E-06
13	437130.29	3725597.84	1.82E-04	3.95E-05	3.59E-05	4.95E-06	1.93E-04	2.30E-05	1.99E-05	1.68E-06
14	437120.92	3725571.31	1.79E-04	3.89E-05	3.53E-05	4.88E-06	1.90E-04	2.27E-05	1.96E-05	1.65E-06
15	437117.8	3725562.47	1.78E-04	3.86E-05	3.51E-05	4.85E-06	1.89E-04	2.25E-05	1.94E-05	1.64E-06
16	437114.68	3725553.62	1.77E-04	3.84E-05	3.49E-05	4.82E-06	1.88E-04	2.24E-05	1.93E-05	1.63E-06
17	437133.42	3725606.69	1.83E-04	3.97E-05	3.61E-05	4.98E-06	1.94E-04	2.31E-05	2.00E-05	1.69E-06
18	437139.74	3725613.73	1.86E-04	4.04E-05	3.68E-05	5.08E-06	1.98E-04	2.36E-05	2.04E-05	1.72E-06
19	437146.06	3725620.77	1.90E-04	4.13E-05	3.75E-05	5.18E-06	2.02E-04	2.40E-05	2.08E-05	1.76E-06
20	437108.01	3725617.99	1.65E-04	3.58E-05	3.26E-05	4.50E-06	1.75E-04	2.09E-05	1.80E-05	1.53E-06
21	437104.92	3725609.25	1.64E-04	3.56E-05	3.24E-05	4.47E-06	1.74E-04	2.08E-05	1.79E-05	1.52E-06
22	437101.83	3725600.51	1.63E-04	3.54E-05	3.22E-05	4.45E-06	1.73E-04	2.06E-05	1.78E-05	1.51E-06
23	437092.58	3725574.29	1.60E-04	3.48E-05	3.16E-05	4.37E-06	1.70E-04	2.03E-05	1.75E-05	1.48E-06
24	437089.49	3725565.55	1.59E-04	3.46E-05	3.15E-05	4.35E-06	1.69E-04	2.02E-05	1.74E-05	1.47E-06
25	437086.4	3725556.81	1.59E-04	3.44E-05	3.13E-05	4.33E-06	1.68E-04	2.01E-05	1.73E-05	1.47E-06
26	437085.65	3725637.94	1.51E-04	3.27E-05	2.97E-05	4.11E-06	1.60E-04	1.91E-05	1.65E-05	1.39E-06
27	437082.54	3725629.12	1.50E-04	3.26E-05	2.96E-05	4.09E-06	1.59E-04	1.90E-05	1.64E-05	1.39E-06
28	437079.42	3725620.3	1.49E-04	3.24E-05	2.94E-05	4.07E-06	1.58E-04	1.89E-05	1.63E-05	1.38E-06
29	437076.3	3725611.47	1.48E-04	3.22E-05	2.93E-05	4.05E-06	1.57E-04	1.88E-05	1.62E-05	1.37E-06
30	437073.19	3725602.65	1.47E-04	3.20E-05	2.91E-05	4.02E-06	1.57E-04	1.87E-05	1.61E-05	1.36E-06
31	437063.84	3725576.18	1.45E-04	3.16E-05	2.87E-05	3.97E-06	1.54E-04	1.84E-05	1.59E-05	1.34E-06
32	437060.72	3725567.35	1.45E-04	3.14E-05	2.86E-05	3.95E-06	1.54E-04	1.83E-05	1.58E-05	1.34E-06
33	437057.61	3725558.53	1.44E-04	3.13E-05	2.84E-05	3.93E-06	1.53E-04	1.82E-05	1.58E-05	1.33E-06
34	437101.41	3725660.85	1.56E-04	3.40E-05	3.09E-05	4.27E-06	1.66E-04	1.98E-05	1.71E-05	1.45E-06
35	437055.87	3725664.62	1.34E-04	2.92E-05	2.65E-05	3.66E-06	1.43E-04	1.70E-05	1.47E-05	1.24E-06
36	437052.74	3725655.75	1.34E-04	2.91E-05	2.65E-05	3.66E-06	1.42E-04	1.70E-05	1.47E-05	1.24E-06
37	437043.34	3725629.14	1.32E-04	2.88E-05	2.61E-05	3.61E-06	1.41E-04	1.68E-05	1.45E-05	1.22E-06
38	437040.21	3725620.27	1.32E-04	2.86E-05	2.60E-05	3.59E-06	1.40E-04	1.67E-05	1.44E-05	1.22E-06
39	437037.08	3725611.4	1.31E-04	2.85E-05	2.59E-05	3.58E-06	1.39E-04	1.66E-05	1.43E-05	1.21E-06
40	437033.95	3725602.54	1.30E-04	2.83E-05	2.58E-05	3.56E-06	1.39E-04	1.65E-05	1.43E-05	1.21E-06
41	437024.55	3725575.93	1.28E-04	2.79E-05	2.54E-05	3.50E-06	1.36E-04	1.63E-05	1.41E-05	1.19E-06
42	437021.42	3725567.06	1.28E-04	2.78E-05	2.52E-05	3.49E-06	1.36E-04	1.62E-05	1.40E-05	1.18E-06
43	437059	3725673.49	1.35E-04	2.92E-05	2.66E-05	3.67E-06	1.43E-04	1.70E-05	1.47E-05	1.24E-06
44	437026.09	3725691.3	1.21E-04	2.63E-05	2.39E-05	3.30E-06	1.29E-04	1.53E-05	1.32E-05	1.12E-06
45	437022.95	3725682.39	1.21E-04	2.62E-05	2.38E-05	3.29E-06	1.28E-04	1.53E-05	1.32E-05	1.12E-06
46	437019.8	3725673.48	1.20E-04	2.61E-05	2.37E-05	3.28E-06	1.28E-04	1.52E-05	1.31E-05	1.11E-06
47	437016.65	3725664.57	1.20E-04	2.60E-05	2.37E-05	3.27E-06	1.27E-04	1.52E-05	1.31E-05	1.11E-06
48	437013.51	3725655.66	1.19E-04	2.59E-05	2.36E-05	3.26E-06	1.27E-04	1.51E-05	1.31E-05	1.10E-06
49	437004.07	3725628.93	1.18E-04	2.56E-05	2.33E-05	3.22E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
50	437000.92	3725620.02	1.17E-04	2.55E-05	2.32E-05	3.20E-06	1.25E-04	1.49E-05	1.28E-05	1.09E-06
51	436997.78	3725611.12	1.17E-04	2.54E-05	2.31E-05	3.19E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
52	436994.63	3725602.21	1.16E-04	2.52E-05	2.29E-05	3.17E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06
53	436991.48	3725593.3	1.16E-04	2.51E-05	2.28E-05	3.15E-06	1.23E-04	1.46E-05	1.26E-05	1.07E-06
54	436988.34	3725584.39	1.15E-04	2.50E-05	2.27E-05	3.13E-06	1.22E-04	1.45E-05	1.26E-05	1.06E-06

55	436985.19	3725575.48	1.14E-04	2.48E-05	2.26E-05	3.12E-06	1.21E-04	1.45E-05	1.25E-05	1.06E-06
56	436982.04	3725566.57	1.14E-04	2.47E-05	2.25E-05	3.10E-06	1.21E-04	1.44E-05	1.24E-05	1.05E-06
57	437029.24	3725700.21	1.22E-04	2.64E-05	2.40E-05	3.32E-06	1.29E-04	1.54E-05	1.33E-05	1.13E-06
58	437035.56	3725707.25	1.23E-04	2.68E-05	2.43E-05	3.36E-06	1.31E-04	1.56E-05	1.35E-05	1.14E-06
59	437041.88	3725714.29	1.25E-04	2.71E-05	2.46E-05	3.40E-06	1.32E-04	1.58E-05	1.36E-05	1.15E-06
60	436993.26	3725709.34	1.11E-04	2.41E-05	2.20E-05	3.03E-06	1.18E-04	1.41E-05	1.22E-05	1.03E-06
61	436990.16	3725700.55	1.11E-04	2.41E-05	2.19E-05	3.02E-06	1.18E-04	1.40E-05	1.21E-05	1.02E-06
62	436987.05	3725691.76	1.10E-04	2.40E-05	2.18E-05	3.01E-06	1.17E-04	1.40E-05	1.21E-05	1.02E-06
63	436983.95	3725682.96	1.10E-04	2.39E-05	2.17E-05	3.00E-06	1.17E-04	1.39E-05	1.20E-05	1.02E-06
64	436980.84	3725674.17	1.10E-04	2.38E-05	2.16E-05	2.99E-06	1.16E-04	1.39E-05	1.20E-05	1.01E-06
65	436977.73	3725665.37	1.09E-04	2.37E-05	2.15E-05	2.98E-06	1.16E-04	1.38E-05	1.19E-05	1.01E-06
66	436974.63	3725656.58	1.09E-04	2.36E-05	2.15E-05	2.97E-06	1.15E-04	1.38E-05	1.19E-05	1.01E-06
67	436971.52	3725647.79	1.08E-04	2.35E-05	2.13E-05	2.95E-06	1.15E-04	1.37E-05	1.18E-05	1.00E-06
68	436962.21	3725621.4	1.06E-04	2.30E-05	2.09E-05	2.89E-06	1.13E-04	1.34E-05	1.16E-05	9.80E-07
69	436959.1	3725612.61	1.05E-04	2.29E-05	2.08E-05	2.88E-06	1.12E-04	1.34E-05	1.15E-05	9.75E-07
70	436956	3725603.82	1.05E-04	2.28E-05	2.07E-05	2.86E-06	1.11E-04	1.33E-05	1.15E-05	9.69E-07
71	436952.89	3725595.02	1.04E-04	2.26E-05	2.06E-05	2.84E-06	1.11E-04	1.32E-05	1.14E-05	9.63E-07
72	436949.78	3725586.23	1.03E-04	2.25E-05	2.04E-05	2.82E-06	1.10E-04	1.31E-05	1.13E-05	9.57E-07
73	436946.68	3725577.43	1.03E-04	2.23E-05	2.03E-05	2.81E-06	1.09E-04	1.30E-05	1.12E-05	9.51E-07
74	436943.57	3725568.64	1.02E-04	2.22E-05	2.02E-05	2.79E-06	1.09E-04	1.29E-05	1.12E-05	9.45E-07
75	437004.81	3724812.38	9.74E-05	2.12E-05	1.92E-05	2.66E-06	1.03E-04	1.23E-05	1.07E-05	9.01E-07
76	437008.83	3724803.96	9.65E-05	2.10E-05	1.91E-05	2.63E-06	1.02E-04	1.22E-05	1.06E-05	8.92E-07
77	437012.84	3724795.54	9.57E-05	2.08E-05	1.89E-05	2.61E-06	1.02E-04	1.21E-05	1.05E-05	8.85E-07
78	437016.85	3724787.13	9.50E-05	2.07E-05	1.88E-05	2.59E-06	1.01E-04	1.20E-05	1.04E-05	8.79E-07
79	436954.11	3725709.49	1.02E-04	2.22E-05	2.02E-05	2.78E-06	1.08E-04	1.29E-05	1.12E-05	9.44E-07
80	436950.99	3725700.65	1.02E-04	2.21E-05	2.01E-05	2.78E-06	1.08E-04	1.29E-05	1.11E-05	9.41E-07
81	436947.87	3725691.82	1.01E-04	2.20E-05	2.00E-05	2.77E-06	1.08E-04	1.28E-05	1.11E-05	9.38E-07
82	436944.75	3725682.99	1.01E-04	2.20E-05	2.00E-05	2.76E-06	1.07E-04	1.28E-05	1.11E-05	9.35E-07
83	436941.63	3725674.15	1.00E-04	2.18E-05	1.98E-05	2.74E-06	1.07E-04	1.27E-05	1.10E-05	9.29E-07
84	436938.51	3725665.32	9.99E-05	2.17E-05	1.97E-05	2.72E-06	1.06E-04	1.26E-05	1.09E-05	9.24E-07
85	436935.39	3725656.49	9.91E-05	2.15E-05	1.96E-05	2.70E-06	1.05E-04	1.25E-05	1.08E-05	9.16E-07
86	436932.27	3725647.65	9.82E-05	2.13E-05	1.94E-05	2.68E-06	1.04E-04	1.24E-05	1.07E-05	9.08E-07
87	436929.15	3725638.82	9.73E-05	2.11E-05	1.92E-05	2.66E-06	1.03E-04	1.23E-05	1.06E-05	9.00E-07
88	436919.8	3725612.32	9.49E-05	2.06E-05	1.88E-05	2.59E-06	1.01E-04	1.20E-05	1.04E-05	8.78E-07
89	436916.68	3725603.48	9.43E-05	2.05E-05	1.86E-05	2.57E-06	1.00E-04	1.19E-05	1.03E-05	8.72E-07
90	436913.56	3725594.65	9.36E-05	2.03E-05	1.85E-05	2.55E-06	9.95E-05	1.19E-05	1.02E-05	8.66E-07
91	436910.44	3725585.82	9.31E-05	2.02E-05	1.84E-05	2.54E-06	9.89E-05	1.18E-05	1.02E-05	8.61E-07
92	436907.32	3725576.98	9.25E-05	2.01E-05	1.83E-05	2.52E-06	9.83E-05	1.17E-05	1.01E-05	8.56E-07
93	436889.14	3724969.19	8.59E-05	1.87E-05	1.70E-05	2.34E-06	9.12E-05	1.09E-05	9.39E-06	7.94E-07
94	436893.17	3724960.73	8.62E-05	1.87E-05	1.70E-05	2.35E-06	9.16E-05	1.09E-05	9.43E-06	7.98E-07
95	436897.2	3724952.27	8.65E-05	1.88E-05	1.71E-05	2.36E-06	9.19E-05	1.10E-05	9.46E-06	8.00E-07
96	436901.23	3724943.82	8.67E-05	1.88E-05	1.71E-05	2.37E-06	9.21E-05	1.10E-05	9.49E-06	8.02E-07
97	436905.26	3724935.36	8.70E-05	1.89E-05	1.72E-05	2.37E-06	9.24E-05	1.10E-05	9.52E-06	8.05E-07
98	436909.29	3724926.9	8.77E-05	1.90E-05	1.73E-05	2.39E-06	9.31E-05	1.11E-05	9.59E-06	8.11E-07
99	436913.32	3724918.45	8.82E-05	1.92E-05	1.74E-05	2.41E-06	9.37E-05	1.12E-05	9.65E-06	8.16E-07
100	436917.35	3724909.99	8.88E-05	1.93E-05	1.75E-05	2.42E-06	9.43E-05	1.12E-05	9.71E-06	8.21E-07
101	436921.38	3724901.53	8.92E-05	1.94E-05	1.76E-05	2.43E-06	9.47E-05	1.13E-05	9.75E-06	8.25E-07
102	436925.41	3724893.08	8.94E-05	1.94E-05	1.76E-05	2.44E-06	9.49E-05	1.13E-05	9.77E-06	8.26E-07
103	436929.44	3724884.62	8.95E-05	1.94E-05	1.77E-05	2.44E-06	9.51E-05	1.13E-05	9.79E-06	8.28E-07
104	436933.47	3724876.16	9.01E-05	1.96E-05	1.78E-05	2.46E-06	9.57E-05	1.14E-05	9.85E-06	8.33E-07
105	436937.5	3724867.7	9.08E-05	1.97E-05	1.79E-05	2.48E-06	9.65E-05	1.15E-05	9.93E-06	8.40E-07
106	436941.53	3724859.25	9.15E-05	1.99E-05	1.81E-05	2.50E-06	9.72E-05	1.16E-05	1.00E-05	8.46E-07
107	436945.56	3724850.79	9.21E-05	2.00E-05	1.82E-05	2.51E-06	9.78E-05	1.17E-05	1.01E-05	8.52E-07
108	436949.59	3724842.33	9.23E-05	2.00E-05	1.82E-05	2.52E-06	9.80E-05	1.17E-05	1.01E-05	8.53E-07
109	436953.62	3724833.88	9.19E-05	2.00E-05	1.82E-05	2.51E-06	9.77E-05	1.16E-05	1.01E-05	8.50E-07
110	436957.65	3724825.42	9.14E-05	1.99E-05	1.81E-05	2.49E-06	9.71E-05	1.16E-05	1.00E-05	8.45E-07
111	436961.68	3724816.96	9.07E-05	1.97E-05	1.79E-05	2.47E-06	9.63E-05	1.15E-05	9.92E-06	8.39E-07
112	436965.71	3724808.51	8.99E-05	1.95E-05	1.78E-05	2.45E-06	9.55E-05	1.14E-05	9.83E-06	8.31E-07

113	436969.74	3724800.05	8.91E-05	1.94E-05	1.76E-05	2.43E-06	9.46E-05	1.13E-05	9.74E-06	8.24E-07
114	436973.77	3724791.59	8.81E-05	1.91E-05	1.74E-05	2.40E-06	9.36E-05	1.12E-05	9.64E-06	8.15E-07
115	436977.8	3724783.14	8.74E-05	1.90E-05	1.73E-05	2.38E-06	9.28E-05	1.11E-05	9.56E-06	8.08E-07
116	436981.83	3724774.68	8.69E-05	1.89E-05	1.72E-05	2.37E-06	9.23E-05	1.10E-05	9.51E-06	8.04E-07
117	436985.86	3724766.22	8.64E-05	1.88E-05	1.71E-05	2.36E-06	9.18E-05	1.09E-05	9.46E-06	7.99E-07
118	436976.03	3725760.69	1.05E-04	2.27E-05	2.07E-05	2.86E-06	1.11E-04	1.33E-05	1.15E-05	9.68E-07
119	436982.35	3725767.73	1.06E-04	2.30E-05	2.09E-05	2.89E-06	1.12E-04	1.34E-05	1.16E-05	9.79E-07
120	436936.81	3725771.5	9.62E-05	2.09E-05	1.90E-05	2.63E-06	1.02E-04	1.22E-05	1.05E-05	8.90E-07
121	436933.68	3725762.64	9.59E-05	2.08E-05	1.89E-05	2.62E-06	1.02E-04	1.21E-05	1.05E-05	8.87E-07
122	436930.55	3725753.77	9.55E-05	2.08E-05	1.89E-05	2.61E-06	1.01E-04	1.21E-05	1.05E-05	8.84E-07
123	436911.75	3725700.55	9.44E-05	2.05E-05	1.86E-05	2.58E-06	1.00E-04	1.20E-05	1.03E-05	8.73E-07
124	436908.62	3725691.68	9.44E-05	2.05E-05	1.86E-05	2.57E-06	1.00E-04	1.19E-05	1.03E-05	8.73E-07
125	436905.49	3725682.81	9.39E-05	2.04E-05	1.86E-05	2.56E-06	9.98E-05	1.19E-05	1.03E-05	8.69E-07
126	436902.36	3725673.94	9.29E-05	2.02E-05	1.83E-05	2.53E-06	9.86E-05	1.18E-05	1.02E-05	8.59E-07
127	436899.23	3725665.07	9.18E-05	1.99E-05	1.81E-05	2.50E-06	9.75E-05	1.16E-05	1.00E-05	8.49E-07
128	436883.56	3725620.73	8.69E-05	1.89E-05	1.72E-05	2.37E-06	9.23E-05	1.10E-05	9.51E-06	8.04E-07
129	436880.43	3725611.86	8.64E-05	1.88E-05	1.71E-05	2.36E-06	9.18E-05	1.09E-05	9.45E-06	7.99E-07
130	436877.3	3725602.99	8.59E-05	1.87E-05	1.70E-05	2.34E-06	9.12E-05	1.09E-05	9.39E-06	7.94E-07
131	436874.17	3725594.12	8.54E-05	1.85E-05	1.69E-05	2.33E-06	9.07E-05	1.08E-05	9.34E-06	7.90E-07
132	436871.04	3725585.25	8.48E-05	1.84E-05	1.67E-05	2.31E-06	9.01E-05	1.07E-05	9.27E-06	7.84E-07
133	436867.9	3725576.38	8.42E-05	1.83E-05	1.66E-05	2.30E-06	8.95E-05	1.07E-05	9.22E-06	7.79E-07
134	436833.47	3725000.09	7.81E-05	1.70E-05	1.54E-05	2.13E-06	8.30E-05	9.89E-06	8.55E-06	7.23E-07
135	436837.52	3724991.6	7.87E-05	1.71E-05	1.55E-05	2.15E-06	8.36E-05	9.97E-06	8.61E-06	7.28E-07
136	436841.56	3724983.11	7.93E-05	1.72E-05	1.57E-05	2.16E-06	8.43E-05	1.00E-05	8.68E-06	7.34E-07
137	436845.61	3724974.62	7.99E-05	1.74E-05	1.58E-05	2.18E-06	8.49E-05	1.01E-05	8.74E-06	7.39E-07
138	436849.65	3724966.12	8.05E-05	1.75E-05	1.59E-05	2.20E-06	8.55E-05	1.02E-05	8.80E-06	7.44E-07
139	436853.7	3724957.63	8.09E-05	1.76E-05	1.60E-05	2.21E-06	8.60E-05	1.02E-05	8.85E-06	7.49E-07
140	436857.75	3724949.14	8.15E-05	1.77E-05	1.61E-05	2.22E-06	8.65E-05	1.03E-05	8.91E-06	7.54E-07
141	436861.79	3724940.65	8.20E-05	1.78E-05	1.62E-05	2.24E-06	8.71E-05	1.04E-05	8.97E-06	7.58E-07
142	436865.84	3724932.16	8.24E-05	1.79E-05	1.63E-05	2.25E-06	8.76E-05	1.04E-05	9.02E-06	7.63E-07
143	436869.89	3724923.67	8.28E-05	1.80E-05	1.64E-05	2.26E-06	8.79E-05	1.05E-05	9.06E-06	7.66E-07
144	436873.93	3724915.18	8.30E-05	1.80E-05	1.64E-05	2.27E-06	8.82E-05	1.05E-05	9.08E-06	7.68E-07
145	436877.98	3724906.69	8.34E-05	1.81E-05	1.65E-05	2.27E-06	8.86E-05	1.06E-05	9.12E-06	7.71E-07
146	436882.03	3724898.2	8.37E-05	1.82E-05	1.65E-05	2.28E-06	8.89E-05	1.06E-05	9.16E-06	7.74E-07
147	436886.07	3724889.7	8.41E-05	1.83E-05	1.66E-05	2.29E-06	8.93E-05	1.06E-05	9.19E-06	7.77E-07
148	436890.12	3724881.21	8.43E-05	1.83E-05	1.66E-05	2.30E-06	8.95E-05	1.07E-05	9.22E-06	7.80E-07
149	436894.16	3724872.72	8.45E-05	1.84E-05	1.67E-05	2.31E-06	8.98E-05	1.07E-05	9.25E-06	7.82E-07
150	436898.21	3724864.23	8.48E-05	1.84E-05	1.67E-05	2.31E-06	9.01E-05	1.07E-05	9.27E-06	7.84E-07
151	436902.26	3724855.74	8.51E-05	1.85E-05	1.68E-05	2.32E-06	9.04E-05	1.08E-05	9.31E-06	7.87E-07
152	436906.3	3724847.25	8.53E-05	1.85E-05	1.69E-05	2.33E-06	9.06E-05	1.08E-05	9.33E-06	7.89E-07
153	436910.35	3724838.76	8.54E-05	1.85E-05	1.69E-05	2.33E-06	9.07E-05	1.08E-05	9.34E-06	7.90E-07
154	436914.4	3724830.27	8.52E-05	1.85E-05	1.68E-05	2.33E-06	9.05E-05	1.08E-05	9.32E-06	7.88E-07
155	436918.44	3724821.78	8.50E-05	1.85E-05	1.68E-05	2.32E-06	9.03E-05	1.08E-05	9.30E-06	7.86E-07
156	436922.49	3724813.28	8.47E-05	1.84E-05	1.67E-05	2.31E-06	9.00E-05	1.07E-05	9.27E-06	7.84E-07
157	436926.54	3724804.79	8.45E-05	1.84E-05	1.67E-05	2.31E-06	8.98E-05	1.07E-05	9.25E-06	7.82E-07
158	436930.58	3724796.3	8.43E-05	1.83E-05	1.67E-05	2.30E-06	8.96E-05	1.07E-05	9.23E-06	7.80E-07
159	436934.63	3724787.81	8.41E-05	1.83E-05	1.66E-05	2.29E-06	8.93E-05	1.06E-05	9.19E-06	7.77E-07
160	436938.67	3724779.32	8.38E-05	1.82E-05	1.66E-05	2.29E-06	8.90E-05	1.06E-05	9.17E-06	7.75E-07
161	436942.72	3724770.83	8.35E-05	1.81E-05	1.65E-05	2.28E-06	8.87E-05	1.06E-05	9.14E-06	7.72E-07
162	436946.77	3724762.34	8.32E-05	1.81E-05	1.64E-05	2.27E-06	8.84E-05	1.05E-05	9.10E-06	7.69E-07
163	436950.81	3724753.85	8.28E-05	1.80E-05	1.64E-05	2.26E-06	8.79E-05	1.05E-05	9.06E-06	7.66E-07
164	436954.86	3724745.36	8.25E-05	1.79E-05	1.63E-05	2.25E-06	8.77E-05	1.05E-05	9.03E-06	7.63E-07
165	436958.91	3724736.86	8.23E-05	1.79E-05	1.63E-05	2.25E-06	8.74E-05	1.04E-05	9.00E-06	7.61E-07
166	436962.95	3724728.37	8.22E-05	1.79E-05	1.62E-05	2.24E-06	8.73E-05	1.04E-05	8.99E-06	7.60E-07
167	436939.94	3725780.37	9.66E-05	2.10E-05	1.91E-05	2.63E-06	1.03E-04	1.22E-05	1.06E-05	8.93E-07
168	436946.26	3725787.41	9.77E-05	2.12E-05	1.93E-05	2.66E-06	1.04E-04	1.24E-05	1.07E-05	9.03E-07
169	436952.58	3725794.45	9.88E-05	2.15E-05	1.95E-05	2.70E-06	1.05E-04	1.25E-05	1.08E-05	9.14E-07
170	436907.03	3725798.19	9.02E-05	1.96E-05	1.78E-05	2.46E-06	9.58E-05	1.14E-05	9.87E-06	8.35E-07

171	436903.89	3725789.29	9.01E-05	1.96E-05	1.78E-05	2.46E-06	9.57E-05	1.14E-05	9.86E-06	8.34E-07
172	436900.75	3725780.39	9.01E-05	1.96E-05	1.78E-05	2.46E-06	9.57E-05	1.14E-05	9.85E-06	8.33E-07
173	436897.6	3725771.49	8.98E-05	1.95E-05	1.77E-05	2.45E-06	9.54E-05	1.14E-05	9.83E-06	8.31E-07
174	436894.46	3725762.59	8.95E-05	1.94E-05	1.77E-05	2.44E-06	9.50E-05	1.13E-05	9.79E-06	8.27E-07
175	436872.45	3725700.27	8.73E-05	1.90E-05	1.72E-05	2.38E-06	9.27E-05	1.11E-05	9.55E-06	8.08E-07
176	436869.31	3725691.37	8.68E-05	1.89E-05	1.71E-05	2.37E-06	9.22E-05	1.10E-05	9.49E-06	8.03E-07
177	436866.17	3725682.47	8.60E-05	1.87E-05	1.70E-05	2.35E-06	9.13E-05	1.09E-05	9.41E-06	7.95E-07
178	436863.02	3725673.57	8.51E-05	1.85E-05	1.68E-05	2.32E-06	9.04E-05	1.08E-05	9.31E-06	7.87E-07
179	436859.88	3725664.67	8.42E-05	1.83E-05	1.66E-05	2.30E-06	8.94E-05	1.07E-05	9.21E-06	7.78E-07
180	436856.74	3725655.76	8.33E-05	1.81E-05	1.65E-05	2.27E-06	8.85E-05	1.06E-05	9.12E-06	7.71E-07
181	436853.59	3725646.86	8.23E-05	1.79E-05	1.63E-05	2.25E-06	8.74E-05	1.04E-05	9.00E-06	7.61E-07
182	436850.45	3725637.96	8.13E-05	1.77E-05	1.61E-05	2.22E-06	8.64E-05	1.03E-05	8.90E-06	7.52E-07
183	436847.31	3725629.06	8.04E-05	1.75E-05	1.59E-05	2.19E-06	8.54E-05	1.02E-05	8.80E-06	7.44E-07
184	436844.16	3725620.16	7.98E-05	1.73E-05	1.58E-05	2.18E-06	8.48E-05	1.01E-05	8.73E-06	7.38E-07
185	436841.02	3725611.26	7.94E-05	1.72E-05	1.57E-05	2.17E-06	8.43E-05	1.01E-05	8.68E-06	7.34E-07
186	436837.87	3725602.35	7.89E-05	1.72E-05	1.56E-05	2.15E-06	8.39E-05	1.00E-05	8.64E-06	7.30E-07
187	436834.73	3725593.45	7.85E-05	1.70E-05	1.55E-05	2.14E-06	8.33E-05	9.93E-06	8.58E-06	7.26E-07
188	436831.59	3725584.55	7.80E-05	1.69E-05	1.54E-05	2.13E-06	8.28E-05	9.87E-06	8.53E-06	7.21E-07
189	436828.44	3725575.65	7.74E-05	1.68E-05	1.53E-05	2.11E-06	8.23E-05	9.81E-06	8.47E-06	7.16E-07
190	436773.58	3725039.85	7.05E-05	1.53E-05	1.39E-05	1.92E-06	7.49E-05	8.93E-06	7.72E-06	6.52E-07
191	436777.64	3725031.33	7.12E-05	1.55E-05	1.41E-05	1.94E-06	7.56E-05	9.01E-06	7.78E-06	6.58E-07
192	436781.7	3725022.8	7.17E-05	1.56E-05	1.42E-05	1.96E-06	7.62E-05	9.08E-06	7.85E-06	6.64E-07
193	436785.76	3725014.28	7.24E-05	1.57E-05	1.43E-05	1.97E-06	7.69E-05	9.16E-06	7.92E-06	6.69E-07
194	436789.82	3725005.76	7.30E-05	1.59E-05	1.44E-05	1.99E-06	7.76E-05	9.25E-06	7.99E-06	6.75E-07
195	436793.88	3724997.24	7.36E-05	1.60E-05	1.45E-05	2.01E-06	7.82E-05	9.32E-06	8.06E-06	6.81E-07
196	436797.94	3724988.71	7.43E-05	1.61E-05	1.47E-05	2.03E-06	7.89E-05	9.40E-06	8.13E-06	6.87E-07
197	436802	3724980.19	7.49E-05	1.63E-05	1.48E-05	2.04E-06	7.96E-05	9.49E-06	8.19E-06	6.93E-07
198	436806.07	3724971.67	7.55E-05	1.64E-05	1.49E-05	2.06E-06	8.02E-05	9.57E-06	8.26E-06	6.99E-07
199	436810.13	3724963.15	7.61E-05	1.65E-05	1.50E-05	2.08E-06	8.09E-05	9.64E-06	8.33E-06	7.04E-07
200	436814.19	3724954.62	7.66E-05	1.66E-05	1.51E-05	2.09E-06	8.14E-05	9.70E-06	8.38E-06	7.09E-07
201	436818.25	3724946.1	7.71E-05	1.68E-05	1.52E-05	2.10E-06	8.19E-05	9.76E-06	8.43E-06	7.13E-07
202	436822.31	3724937.58	7.76E-05	1.69E-05	1.53E-05	2.12E-06	8.24E-05	9.82E-06	8.49E-06	7.18E-07
203	436826.37	3724929.06	7.80E-05	1.70E-05	1.54E-05	2.13E-06	8.29E-05	9.88E-06	8.54E-06	7.22E-07
204	436830.43	3724920.54	7.85E-05	1.71E-05	1.55E-05	2.14E-06	8.34E-05	9.94E-06	8.59E-06	7.26E-07
205	436834.49	3724912.01	7.89E-05	1.71E-05	1.56E-05	2.15E-06	8.38E-05	9.99E-06	8.63E-06	7.30E-07
206	436838.56	3724903.49	7.93E-05	1.72E-05	1.57E-05	2.16E-06	8.43E-05	1.00E-05	8.68E-06	7.34E-07
207	436842.62	3724894.97	7.98E-05	1.73E-05	1.58E-05	2.18E-06	8.48E-05	1.01E-05	8.73E-06	7.38E-07
208	436846.68	3724886.45	8.03E-05	1.74E-05	1.59E-05	2.19E-06	8.53E-05	1.02E-05	8.78E-06	7.42E-07
209	436850.74	3724877.92	8.07E-05	1.75E-05	1.59E-05	2.20E-06	8.57E-05	1.02E-05	8.83E-06	7.46E-07
210	436854.8	3724869.4	8.09E-05	1.76E-05	1.60E-05	2.21E-06	8.59E-05	1.02E-05	8.85E-06	7.48E-07
211	436858.86	3724860.88	8.10E-05	1.76E-05	1.60E-05	2.21E-06	8.60E-05	1.03E-05	8.86E-06	7.49E-07
212	436862.92	3724852.36	8.10E-05	1.76E-05	1.60E-05	2.21E-06	8.61E-05	1.03E-05	8.86E-06	7.49E-07
213	436866.98	3724843.83	8.10E-05	1.76E-05	1.60E-05	2.21E-06	8.61E-05	1.03E-05	8.86E-06	7.49E-07
214	436871.05	3724835.31	8.10E-05	1.76E-05	1.60E-05	2.21E-06	8.61E-05	1.03E-05	8.86E-06	7.49E-07
215	436875.11	3724826.79	8.10E-05	1.76E-05	1.60E-05	2.21E-06	8.60E-05	1.03E-05	8.86E-06	7.49E-07
216	436879.17	3724818.27	8.09E-05	1.76E-05	1.60E-05	2.21E-06	8.60E-05	1.02E-05	8.85E-06	7.49E-07
217	436883.23	3724809.74	8.08E-05	1.76E-05	1.60E-05	2.21E-06	8.59E-05	1.02E-05	8.84E-06	7.48E-07
218	436887.29	3724801.22	8.07E-05	1.75E-05	1.59E-05	2.20E-06	8.57E-05	1.02E-05	8.83E-06	7.46E-07
219	436891.35	3724792.7	8.06E-05	1.75E-05	1.59E-05	2.20E-06	8.56E-05	1.02E-05	8.81E-06	7.45E-07
220	436895.41	3724784.18	8.03E-05	1.74E-05	1.59E-05	2.19E-06	8.53E-05	1.02E-05	8.79E-06	7.43E-07
221	436899.47	3724775.66	8.01E-05	1.74E-05	1.58E-05	2.19E-06	8.51E-05	1.01E-05	8.76E-06	7.41E-07
222	436903.54	3724767.13	7.98E-05	1.73E-05	1.58E-05	2.18E-06	8.48E-05	1.01E-05	8.73E-06	7.38E-07
223	436907.6	3724758.61	7.95E-05	1.73E-05	1.57E-05	2.17E-06	8.45E-05	1.01E-05	8.70E-06	7.36E-07
224	436911.66	3724750.09	7.92E-05	1.72E-05	1.56E-05	2.16E-06	8.41E-05	1.00E-05	8.66E-06	7.32E-07
225	436915.72	3724741.57	7.88E-05	1.71E-05	1.56E-05	2.15E-06	8.37E-05	9.98E-06	8.62E-06	7.29E-07
226	436919.78	3724733.04	7.84E-05	1.70E-05	1.55E-05	2.14E-06	8.33E-05	9.93E-06	8.58E-06	7.25E-07
227	436923.84	3724724.52	7.80E-05	1.69E-05	1.54E-05	2.13E-06	8.28E-05	9.87E-06	8.53E-06	7.21E-07
228	436927.9	3724716	7.75E-05	1.68E-05	1.53E-05	2.11E-06	8.23E-05	9.81E-06	8.48E-06	7.17E-07

229	436931.96	3724707.48	7.70E-05	1.67E-05	1.52E-05	2.10E-06	8.18E-05	9.75E-06	8.42E-06	7.12E-07
230	436936.02	3724698.95	7.65E-05	1.66E-05	1.51E-05	2.09E-06	8.12E-05	9.68E-06	8.36E-06	7.07E-07
231	436940.09	3724690.43	7.59E-05	1.65E-05	1.50E-05	2.07E-06	8.06E-05	9.61E-06	8.30E-06	7.02E-07
232	436910.18	3725807.1	9.04E-05	1.96E-05	1.79E-05	2.47E-06	9.61E-05	1.14E-05	9.89E-06	8.36E-07
233	436916.5	3725814.14	9.12E-05	1.98E-05	1.80E-05	2.49E-06	9.69E-05	1.15E-05	9.98E-06	8.44E-07
234	436922.82	3725821.18	9.21E-05	2.00E-05	1.82E-05	2.51E-06	9.78E-05	1.17E-05	1.01E-05	8.52E-07
235	436877.3	3725825.01	8.36E-05	1.82E-05	1.65E-05	2.28E-06	8.88E-05	1.06E-05	9.14E-06	7.73E-07
236	436874.19	3725816.2	8.34E-05	1.81E-05	1.65E-05	2.27E-06	8.86E-05	1.06E-05	9.12E-06	7.71E-07
237	436871.08	3725807.39	8.32E-05	1.81E-05	1.64E-05	2.27E-06	8.84E-05	1.05E-05	9.10E-06	7.69E-07
238	436867.97	3725798.59	8.30E-05	1.80E-05	1.64E-05	2.26E-06	8.81E-05	1.05E-05	9.08E-06	7.67E-07
239	436864.86	3725789.78	8.28E-05	1.80E-05	1.64E-05	2.26E-06	8.80E-05	1.05E-05	9.06E-06	7.66E-07
240	436861.75	3725780.97	8.26E-05	1.80E-05	1.63E-05	2.25E-06	8.78E-05	1.05E-05	9.04E-06	7.64E-07
241	436858.64	3725772.16	8.25E-05	1.79E-05	1.63E-05	2.25E-06	8.76E-05	1.04E-05	9.02E-06	7.63E-07
242	436855.53	3725763.36	8.25E-05	1.79E-05	1.63E-05	2.25E-06	8.76E-05	1.04E-05	9.02E-06	7.63E-07
243	436852.42	3725754.55	8.24E-05	1.79E-05	1.63E-05	2.25E-06	8.76E-05	1.04E-05	9.02E-06	7.63E-07
244	436836.87	3725710.51	8.12E-05	1.76E-05	1.60E-05	2.22E-06	8.62E-05	1.03E-05	8.88E-06	7.51E-07
245	436833.76	3725701.7	8.06E-05	1.75E-05	1.59E-05	2.20E-06	8.56E-05	1.02E-05	8.81E-06	7.45E-07
246	436830.65	3725692.89	8.00E-05	1.74E-05	1.58E-05	2.18E-06	8.49E-05	1.01E-05	8.75E-06	7.40E-07
247	436827.54	3725684.09	7.94E-05	1.73E-05	1.57E-05	2.17E-06	8.44E-05	1.01E-05	8.69E-06	7.35E-07
248	436824.43	3725675.28	7.88E-05	1.71E-05	1.56E-05	2.15E-06	8.37E-05	9.98E-06	8.62E-06	7.29E-07
249	436821.32	3725666.47	7.81E-05	1.70E-05	1.54E-05	2.13E-06	8.30E-05	9.89E-06	8.55E-06	7.23E-07
250	436818.21	3725657.66	7.75E-05	1.68E-05	1.53E-05	2.11E-06	8.23E-05	9.81E-06	8.48E-06	7.17E-07
251	436815.09	3725648.86	7.67E-05	1.67E-05	1.52E-05	2.09E-06	8.15E-05	9.71E-06	8.39E-06	7.09E-07
252	436811.98	3725640.05	7.60E-05	1.65E-05	1.50E-05	2.07E-06	8.07E-05	9.62E-06	8.31E-06	7.03E-07
253	436808.87	3725631.24	7.52E-05	1.63E-05	1.49E-05	2.05E-06	7.99E-05	9.53E-06	8.23E-06	6.96E-07
254	436716.74	3725073.19	6.48E-05	1.41E-05	1.28E-05	1.77E-06	6.88E-05	8.20E-06	7.09E-06	5.99E-07
255	436720.76	3725064.75	6.54E-05	1.42E-05	1.29E-05	1.78E-06	6.94E-05	8.28E-06	7.15E-06	6.05E-07
256	436724.78	3725056.32	6.58E-05	1.43E-05	1.30E-05	1.80E-06	6.99E-05	8.33E-06	7.20E-06	6.09E-07
257	436728.8	3725047.89	6.63E-05	1.44E-05	1.31E-05	1.81E-06	7.05E-05	8.40E-06	7.26E-06	6.14E-07
258	436732.81	3725039.46	6.68E-05	1.45E-05	1.32E-05	1.82E-06	7.10E-05	8.46E-06	7.31E-06	6.18E-07
259	436736.83	3725031.03	6.73E-05	1.46E-05	1.33E-05	1.84E-06	7.15E-05	8.52E-06	7.36E-06	6.23E-07
260	436740.85	3725022.59	6.78E-05	1.47E-05	1.34E-05	1.85E-06	7.20E-05	8.59E-06	7.42E-06	6.27E-07
261	436744.87	3725014.16	6.83E-05	1.48E-05	1.35E-05	1.86E-06	7.25E-05	8.65E-06	7.47E-06	6.32E-07
262	436748.89	3725005.73	6.88E-05	1.50E-05	1.36E-05	1.88E-06	7.31E-05	8.72E-06	7.53E-06	6.37E-07
263	436752.91	3724997.3	6.94E-05	1.51E-05	1.37E-05	1.89E-06	7.37E-05	8.79E-06	7.59E-06	6.42E-07
264	436756.92	3724988.87	7.00E-05	1.52E-05	1.38E-05	1.91E-06	7.44E-05	8.86E-06	7.66E-06	6.47E-07
265	436760.94	3724980.43	7.06E-05	1.53E-05	1.39E-05	1.93E-06	7.50E-05	8.94E-06	7.72E-06	6.53E-07
266	436764.96	3724972	7.12E-05	1.55E-05	1.41E-05	1.94E-06	7.56E-05	9.02E-06	7.79E-06	6.59E-07
267	436768.98	3724963.57	7.18E-05	1.56E-05	1.42E-05	1.96E-06	7.63E-05	9.09E-06	7.85E-06	6.64E-07
268	436773	3724955.14	7.23E-05	1.57E-05	1.43E-05	1.97E-06	7.68E-05	9.16E-06	7.91E-06	6.69E-07
269	436777.02	3724946.7	7.29E-05	1.58E-05	1.44E-05	1.99E-06	7.75E-05	9.23E-06	7.98E-06	6.74E-07
270	436781.03	3724938.27	7.35E-05	1.60E-05	1.45E-05	2.01E-06	7.81E-05	9.31E-06	8.04E-06	6.80E-07
271	436785.05	3724929.84	7.40E-05	1.61E-05	1.46E-05	2.02E-06	7.86E-05	9.37E-06	8.09E-06	6.84E-07
272	436789.07	3724921.41	7.43E-05	1.61E-05	1.47E-05	2.03E-06	7.89E-05	9.40E-06	8.13E-06	6.87E-07
273	436793.09	3724912.98	7.46E-05	1.62E-05	1.47E-05	2.03E-06	7.92E-05	9.44E-06	8.16E-06	6.90E-07
274	436797.11	3724904.54	7.48E-05	1.63E-05	1.48E-05	2.04E-06	7.95E-05	9.47E-06	8.18E-06	6.92E-07
275	436801.12	3724896.11	7.50E-05	1.63E-05	1.48E-05	2.05E-06	7.97E-05	9.50E-06	8.21E-06	6.94E-07
276	436805.14	3724887.68	7.52E-05	1.63E-05	1.49E-05	2.05E-06	7.99E-05	9.53E-06	8.23E-06	6.96E-07
277	436809.16	3724879.25	7.54E-05	1.64E-05	1.49E-05	2.06E-06	8.01E-05	9.55E-06	8.25E-06	6.97E-07
278	436813.18	3724870.81	7.56E-05	1.64E-05	1.49E-05	2.06E-06	8.03E-05	9.57E-06	8.27E-06	6.99E-07
279	436817.2	3724862.38	7.57E-05	1.64E-05	1.49E-05	2.07E-06	8.04E-05	9.58E-06	8.28E-06	7.00E-07
280	436821.22	3724853.95	7.58E-05	1.65E-05	1.50E-05	2.07E-06	8.05E-05	9.60E-06	8.29E-06	7.01E-07
281	436825.23	3724845.52	7.59E-05	1.65E-05	1.50E-05	2.07E-06	8.06E-05	9.61E-06	8.30E-06	7.02E-07
282	436829.25	3724837.09	7.59E-05	1.65E-05	1.50E-05	2.07E-06	8.07E-05	9.61E-06	8.31E-06	7.02E-07
283	436833.27	3724828.65	7.60E-05	1.65E-05	1.50E-05	2.07E-06	8.07E-05	9.62E-06	8.31E-06	7.03E-07
284	436837.29	3724820.22	7.60E-05	1.65E-05	1.50E-05	2.07E-06	8.07E-05	9.62E-06	8.31E-06	7.03E-07
285	436841.31	3724811.79	7.59E-05	1.65E-05	1.50E-05	2.07E-06	8.07E-05	9.61E-06	8.31E-06	7.02E-07
286	436845.33	3724803.36	7.59E-05	1.65E-05	1.50E-05	2.07E-06	8.06E-05	9.61E-06	8.30E-06	7.02E-07

287	436849.34	3724794.93	7.58E-05	1.65E-05	1.50E-05	2.07E-06	8.05E-05	9.60E-06	8.29E-06	7.01E-07
288	436853.36	3724786.49	7.57E-05	1.64E-05	1.49E-05	2.07E-06	8.04E-05	9.58E-06	8.28E-06	7.00E-07
289	436857.38	3724778.06	7.55E-05	1.64E-05	1.49E-05	2.06E-06	8.02E-05	9.57E-06	8.26E-06	6.99E-07
290	436861.4	3724769.63	7.54E-05	1.64E-05	1.49E-05	2.06E-06	8.01E-05	9.55E-06	8.25E-06	6.97E-07
291	436865.42	3724761.2	7.52E-05	1.63E-05	1.49E-05	2.05E-06	7.99E-05	9.52E-06	8.23E-06	6.96E-07
292	436869.44	3724752.76	7.50E-05	1.63E-05	1.48E-05	2.05E-06	7.96E-05	9.49E-06	8.20E-06	6.93E-07
293	436873.45	3724744.33	7.47E-05	1.62E-05	1.48E-05	2.04E-06	7.94E-05	9.46E-06	8.17E-06	6.91E-07
294	436877.47	3724735.9	7.45E-05	1.62E-05	1.47E-05	2.03E-06	7.91E-05	9.43E-06	8.15E-06	6.89E-07
295	436881.49	3724727.47	7.41E-05	1.61E-05	1.46E-05	2.02E-06	7.87E-05	9.39E-06	8.11E-06	6.86E-07
296	436885.51	3724719.04	7.38E-05	1.60E-05	1.46E-05	2.01E-06	7.84E-05	9.35E-06	8.08E-06	6.83E-07
297	436889.53	3724710.6	7.34E-05	1.60E-05	1.45E-05	2.00E-06	7.80E-05	9.30E-06	8.03E-06	6.79E-07
298	436893.54	3724702.17	7.31E-05	1.59E-05	1.44E-05	1.99E-06	7.76E-05	9.25E-06	7.99E-06	6.76E-07
299	436897.56	3724693.74	7.27E-05	1.58E-05	1.44E-05	1.98E-06	7.72E-05	9.20E-06	7.95E-06	6.72E-07
300	436901.58	3724685.31	7.22E-05	1.57E-05	1.43E-05	1.97E-06	7.67E-05	9.14E-06	7.90E-06	6.68E-07
301	436905.6	3724676.87	7.17E-05	1.56E-05	1.42E-05	1.96E-06	7.62E-05	9.08E-06	7.85E-06	6.64E-07
302	436909.62	3724668.44	7.12E-05	1.55E-05	1.41E-05	1.94E-06	7.56E-05	9.02E-06	7.79E-06	6.59E-07
303	436913.64	3724660.01	7.07E-05	1.54E-05	1.40E-05	1.93E-06	7.51E-05	8.96E-06	7.74E-06	6.54E-07
304	436917.65	3724651.58	7.01E-05	1.52E-05	1.39E-05	1.91E-06	7.45E-05	8.88E-06	7.67E-06	6.49E-07
305	436921.67	3724643.15	6.96E-05	1.51E-05	1.37E-05	1.90E-06	7.39E-05	8.81E-06	7.61E-06	6.44E-07
306	436925.69	3724634.71	6.90E-05	1.50E-05	1.36E-05	1.88E-06	7.33E-05	8.73E-06	7.55E-06	6.38E-07
307	436929.71	3724626.28	6.83E-05	1.48E-05	1.35E-05	1.86E-06	7.26E-05	8.65E-06	7.48E-06	6.32E-07
308	436933.73	3724617.85	6.77E-05	1.47E-05	1.34E-05	1.85E-06	7.19E-05	8.57E-06	7.41E-06	6.26E-07
309	436937.75	3724609.42	6.70E-05	1.46E-05	1.32E-05	1.83E-06	7.12E-05	8.49E-06	7.33E-06	6.20E-07
310	436941.76	3724600.99	6.63E-05	1.44E-05	1.31E-05	1.81E-06	7.05E-05	8.40E-06	7.26E-06	6.14E-07
311	436880.41	3725833.82	8.38E-05	1.82E-05	1.65E-05	2.29E-06	8.90E-05	1.06E-05	9.16E-06	7.75E-07
312	436886.73	3725840.86	8.47E-05	1.84E-05	1.67E-05	2.31E-06	9.00E-05	1.07E-05	9.26E-06	7.83E-07
313	436893.05	3725847.9	8.57E-05	1.86E-05	1.69E-05	2.34E-06	9.10E-05	1.08E-05	9.37E-06	7.92E-07
314	436847.52	3725851.7	7.85E-05	1.70E-05	1.55E-05	2.14E-06	8.33E-05	9.93E-06	8.58E-06	7.26E-07
315	436844.4	3725842.86	7.81E-05	1.70E-05	1.54E-05	2.13E-06	8.30E-05	9.89E-06	8.55E-06	7.23E-07
316	436841.28	3725834.02	7.78E-05	1.69E-05	1.54E-05	2.12E-06	8.27E-05	9.85E-06	8.51E-06	7.20E-07
317	436838.16	3725825.18	7.76E-05	1.69E-05	1.53E-05	2.12E-06	8.24E-05	9.82E-06	8.49E-06	7.18E-07
318	436835.04	3725816.34	7.73E-05	1.68E-05	1.53E-05	2.11E-06	8.22E-05	9.79E-06	8.46E-06	7.15E-07
319	436831.92	3725807.5	7.71E-05	1.68E-05	1.52E-05	2.10E-06	8.19E-05	9.76E-06	8.43E-06	7.13E-07
320	436828.79	3725798.66	7.69E-05	1.67E-05	1.52E-05	2.10E-06	8.16E-05	9.73E-06	8.41E-06	7.11E-07
321	436825.67	3725789.82	7.66E-05	1.66E-05	1.51E-05	2.09E-06	8.13E-05	9.69E-06	8.38E-06	7.08E-07
322	436822.55	3725780.98	7.63E-05	1.66E-05	1.51E-05	2.08E-06	8.11E-05	9.66E-06	8.35E-06	7.06E-07
323	436819.43	3725772.14	7.61E-05	1.65E-05	1.50E-05	2.08E-06	8.09E-05	9.64E-06	8.33E-06	7.04E-07
324	436816.31	3725763.3	7.60E-05	1.65E-05	1.50E-05	2.07E-06	8.08E-05	9.63E-06	8.32E-06	7.03E-07
325	436791.34	3725692.58	7.47E-05	1.62E-05	1.48E-05	2.04E-06	7.94E-05	9.46E-06	8.17E-06	6.91E-07
326	436788.21	3725683.75	7.44E-05	1.62E-05	1.47E-05	2.03E-06	7.91E-05	9.42E-06	8.14E-06	6.88E-07
327	436672.98	3725079.09	5.93E-05	1.29E-05	1.17E-05	1.62E-06	6.30E-05	7.51E-06	6.49E-06	5.48E-07
328	436677.02	3725070.62	5.98E-05	1.30E-05	1.18E-05	1.63E-06	6.36E-05	7.58E-06	6.54E-06	5.53E-07
329	436681.05	3725062.16	6.04E-05	1.31E-05	1.19E-05	1.65E-06	6.42E-05	7.65E-06	6.61E-06	5.59E-07
330	436685.08	3725053.7	6.10E-05	1.33E-05	1.21E-05	1.67E-06	6.48E-05	7.73E-06	6.68E-06	5.65E-07
331	436689.11	3725045.23	6.18E-05	1.34E-05	1.22E-05	1.69E-06	6.56E-05	7.82E-06	6.76E-06	5.71E-07
332	436693.15	3725036.77	6.25E-05	1.36E-05	1.23E-05	1.70E-06	6.63E-05	7.91E-06	6.83E-06	5.78E-07
333	436697.18	3725028.31	6.31E-05	1.37E-05	1.25E-05	1.72E-06	6.71E-05	7.99E-06	6.91E-06	5.84E-07
334	436701.21	3725019.85	6.38E-05	1.39E-05	1.26E-05	1.74E-06	6.77E-05	8.07E-06	6.98E-06	5.90E-07
335	436705.25	3725011.38	6.44E-05	1.40E-05	1.27E-05	1.76E-06	6.84E-05	8.15E-06	7.04E-06	5.95E-07
336	436709.28	3725002.92	6.49E-05	1.41E-05	1.28E-05	1.77E-06	6.89E-05	8.22E-06	7.10E-06	6.00E-07
337	436713.31	3724994.46	6.54E-05	1.42E-05	1.29E-05	1.79E-06	6.95E-05	8.28E-06	7.16E-06	6.05E-07
338	436717.34	3724985.99	6.61E-05	1.44E-05	1.30E-05	1.80E-06	7.02E-05	8.36E-06	7.23E-06	6.11E-07
339	436721.38	3724977.53	6.66E-05	1.45E-05	1.32E-05	1.82E-06	7.08E-05	8.44E-06	7.29E-06	6.16E-07
340	436725.41	3724969.07	6.72E-05	1.46E-05	1.33E-05	1.83E-06	7.14E-05	8.51E-06	7.35E-06	6.22E-07
341	436729.44	3724960.61	6.77E-05	1.47E-05	1.34E-05	1.85E-06	7.19E-05	8.57E-06	7.41E-06	6.26E-07
342	436733.48	3724952.14	6.82E-05	1.48E-05	1.35E-05	1.86E-06	7.25E-05	8.64E-06	7.47E-06	6.31E-07
343	436737.51	3724943.68	6.87E-05	1.49E-05	1.36E-05	1.87E-06	7.30E-05	8.70E-06	7.51E-06	6.35E-07
344	436741.54	3724935.22	6.90E-05	1.50E-05	1.36E-05	1.88E-06	7.33E-05	8.73E-06	7.55E-06	6.38E-07

345	436745.57	3724926.76	6.93E-05	1.50E-05	1.37E-05	1.89E-06	7.36E-05	8.77E-06	7.58E-06	6.41E-07
346	436749.61	3724918.29	6.96E-05	1.51E-05	1.37E-05	1.90E-06	7.39E-05	8.81E-06	7.61E-06	6.43E-07
347	436753.64	3724909.83	6.98E-05	1.52E-05	1.38E-05	1.90E-06	7.41E-05	8.84E-06	7.64E-06	6.46E-07
348	436757.67	3724901.37	7.00E-05	1.52E-05	1.38E-05	1.91E-06	7.44E-05	8.87E-06	7.66E-06	6.48E-07
349	436761.71	3724892.9	7.03E-05	1.53E-05	1.39E-05	1.92E-06	7.47E-05	8.90E-06	7.69E-06	6.50E-07
350	436765.74	3724884.44	7.05E-05	1.53E-05	1.39E-05	1.92E-06	7.49E-05	8.92E-06	7.71E-06	6.52E-07
351	436769.77	3724875.98	7.07E-05	1.54E-05	1.40E-05	1.93E-06	7.51E-05	8.95E-06	7.73E-06	6.54E-07
352	436773.8	3724867.52	7.09E-05	1.54E-05	1.40E-05	1.93E-06	7.53E-05	8.97E-06	7.75E-06	6.55E-07
353	436777.84	3724859.05	7.10E-05	1.54E-05	1.40E-05	1.94E-06	7.54E-05	8.99E-06	7.77E-06	6.57E-07
354	436781.87	3724850.59	7.12E-05	1.55E-05	1.41E-05	1.94E-06	7.56E-05	9.01E-06	7.78E-06	6.58E-07
355	436785.9	3724842.13	7.13E-05	1.55E-05	1.41E-05	1.94E-06	7.57E-05	9.02E-06	7.80E-06	6.59E-07
356	436789.94	3724833.66	7.14E-05	1.55E-05	1.41E-05	1.95E-06	7.58E-05	9.04E-06	7.81E-06	6.60E-07
357	436793.97	3724825.2	7.14E-05	1.55E-05	1.41E-05	1.95E-06	7.58E-05	9.04E-06	7.81E-06	6.60E-07
358	436798	3724816.74	7.14E-05	1.55E-05	1.41E-05	1.95E-06	7.58E-05	9.04E-06	7.81E-06	6.60E-07
359	436802.03	3724808.28	7.15E-05	1.55E-05	1.41E-05	1.95E-06	7.59E-05	9.05E-06	7.82E-06	6.61E-07
360	436806.07	3724799.81	7.14E-05	1.55E-05	1.41E-05	1.95E-06	7.58E-05	9.04E-06	7.81E-06	6.60E-07
361	436810.1	3724791.35	7.14E-05	1.55E-05	1.41E-05	1.95E-06	7.58E-05	9.04E-06	7.81E-06	6.60E-07
362	436814.13	3724782.89	7.14E-05	1.55E-05	1.41E-05	1.95E-06	7.58E-05	9.04E-06	7.81E-06	6.60E-07
363	436818.17	3724774.42	7.13E-05	1.55E-05	1.41E-05	1.94E-06	7.57E-05	9.02E-06	7.80E-06	6.59E-07
364	436822.2	3724765.96	7.12E-05	1.55E-05	1.41E-05	1.94E-06	7.56E-05	9.01E-06	7.78E-06	6.58E-07
365	436826.23	3724757.5	7.11E-05	1.54E-05	1.40E-05	1.94E-06	7.55E-05	9.00E-06	7.77E-06	6.57E-07
366	436830.27	3724749.04	7.09E-05	1.54E-05	1.40E-05	1.93E-06	7.53E-05	8.98E-06	7.76E-06	6.56E-07
367	436834.3	3724740.57	7.07E-05	1.54E-05	1.40E-05	1.93E-06	7.51E-05	8.96E-06	7.74E-06	6.54E-07
368	436838.33	3724732.11	7.05E-05	1.53E-05	1.39E-05	1.92E-06	7.49E-05	8.93E-06	7.72E-06	6.52E-07
369	436842.36	3724723.65	7.03E-05	1.53E-05	1.39E-05	1.92E-06	7.47E-05	8.90E-06	7.69E-06	6.50E-07
370	436846.4	3724715.18	7.00E-05	1.52E-05	1.38E-05	1.91E-06	7.44E-05	8.87E-06	7.66E-06	6.48E-07
371	436850.43	3724706.72	6.98E-05	1.52E-05	1.38E-05	1.90E-06	7.41E-05	8.84E-06	7.64E-06	6.46E-07
372	436854.46	3724698.26	6.95E-05	1.51E-05	1.37E-05	1.90E-06	7.38E-05	8.80E-06	7.60E-06	6.43E-07
373	436858.5	3724689.8	6.92E-05	1.50E-05	1.37E-05	1.89E-06	7.35E-05	8.76E-06	7.57E-06	6.40E-07
374	436862.53	3724681.33	6.88E-05	1.50E-05	1.36E-05	1.88E-06	7.31E-05	8.72E-06	7.53E-06	6.37E-07
375	436866.56	3724672.87	6.84E-05	1.49E-05	1.35E-05	1.87E-06	7.27E-05	8.67E-06	7.49E-06	6.33E-07
376	436870.59	3724664.41	6.81E-05	1.48E-05	1.34E-05	1.86E-06	7.23E-05	8.62E-06	7.44E-06	6.29E-07
377	436874.63	3724655.94	6.77E-05	1.47E-05	1.34E-05	1.85E-06	7.19E-05	8.57E-06	7.40E-06	6.26E-07
378	436878.66	3724647.48	6.72E-05	1.46E-05	1.33E-05	1.83E-06	7.14E-05	8.51E-06	7.35E-06	6.22E-07
379	436882.69	3724639.02	6.68E-05	1.45E-05	1.32E-05	1.82E-06	7.09E-05	8.46E-06	7.31E-06	6.18E-07
380	436886.73	3724630.56	6.63E-05	1.44E-05	1.31E-05	1.81E-06	7.04E-05	8.39E-06	7.25E-06	6.13E-07
381	436890.76	3724622.09	6.58E-05	1.43E-05	1.30E-05	1.80E-06	6.99E-05	8.33E-06	7.20E-06	6.09E-07
382	436894.79	3724613.63	6.53E-05	1.42E-05	1.29E-05	1.78E-06	6.93E-05	8.27E-06	7.14E-06	6.04E-07
383	436898.82	3724605.17	6.47E-05	1.41E-05	1.28E-05	1.77E-06	6.88E-05	8.20E-06	7.08E-06	5.99E-07
384	436902.86	3724596.7	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.94E-07
385	436906.89	3724588.24	6.37E-05	1.38E-05	1.26E-05	1.74E-06	6.77E-05	8.07E-06	6.97E-06	5.89E-07
386	436910.92	3724579.78	6.31E-05	1.37E-05	1.25E-05	1.72E-06	6.71E-05	7.99E-06	6.91E-06	5.84E-07
387	436914.96	3724571.32	6.26E-05	1.36E-05	1.24E-05	1.71E-06	6.64E-05	7.92E-06	6.84E-06	5.79E-07
388	436850.65	3725860.54	7.88E-05	1.71E-05	1.56E-05	2.15E-06	8.37E-05	9.98E-06	8.62E-06	7.29E-07
389	436856.97	3725867.58	7.96E-05	1.73E-05	1.57E-05	2.17E-06	8.46E-05	1.01E-05	8.71E-06	7.36E-07
390	436863.29	3725874.62	8.06E-05	1.75E-05	1.59E-05	2.20E-06	8.56E-05	1.02E-05	8.82E-06	7.45E-07
391	436817.75	3725878.39	7.43E-05	1.61E-05	1.47E-05	2.03E-06	7.89E-05	9.40E-06	8.13E-06	6.87E-07
392	436814.62	3725869.52	7.39E-05	1.61E-05	1.46E-05	2.02E-06	7.85E-05	9.36E-06	8.09E-06	6.84E-07
393	436811.48	3725860.65	7.35E-05	1.60E-05	1.45E-05	2.01E-06	7.81E-05	9.31E-06	8.05E-06	6.80E-07
394	436808.35	3725851.78	7.32E-05	1.59E-05	1.45E-05	2.00E-06	7.78E-05	9.27E-06	8.01E-06	6.77E-07
395	436805.22	3725842.91	7.29E-05	1.58E-05	1.44E-05	1.99E-06	7.74E-05	9.23E-06	7.97E-06	6.74E-07
396	436802.09	3725834.04	7.25E-05	1.58E-05	1.43E-05	1.98E-06	7.70E-05	9.18E-06	7.93E-06	6.71E-07
397	436798.96	3725825.17	7.23E-05	1.57E-05	1.43E-05	1.97E-06	7.68E-05	9.15E-06	7.91E-06	6.69E-07
398	436795.82	3725816.31	7.20E-05	1.57E-05	1.42E-05	1.97E-06	7.65E-05	9.12E-06	7.88E-06	6.66E-07
399	436792.69	3725807.44	7.18E-05	1.56E-05	1.42E-05	1.96E-06	7.63E-05	9.09E-06	7.85E-06	6.64E-07
400	436789.56	3725798.57	7.16E-05	1.56E-05	1.41E-05	1.95E-06	7.61E-05	9.07E-06	7.83E-06	6.62E-07
401	436786.43	3725789.7	7.14E-05	1.55E-05	1.41E-05	1.95E-06	7.58E-05	9.04E-06	7.81E-06	6.60E-07
402	436783.3	3725780.83	7.12E-05	1.55E-05	1.41E-05	1.94E-06	7.56E-05	9.02E-06	7.79E-06	6.59E-07

403	436657.51	3725025.64	5.82E-05	1.27E-05	1.15E-05	1.59E-06	6.18E-05	7.37E-06	6.37E-06	5.39E-07
404	436661.55	3725017.15	5.89E-05	1.28E-05	1.16E-05	1.61E-06	6.25E-05	7.45E-06	6.44E-06	5.44E-07
405	436665.6	3725008.66	5.95E-05	1.29E-05	1.17E-05	1.62E-06	6.32E-05	7.53E-06	6.51E-06	5.50E-07
406	436669.64	3725000.17	6.02E-05	1.31E-05	1.19E-05	1.64E-06	6.39E-05	7.62E-06	6.58E-06	5.57E-07
407	436673.69	3724991.67	6.08E-05	1.32E-05	1.20E-05	1.66E-06	6.45E-05	7.69E-06	6.65E-06	5.62E-07
408	436677.74	3724983.18	6.12E-05	1.33E-05	1.21E-05	1.67E-06	6.51E-05	7.75E-06	6.70E-06	5.66E-07
409	436681.78	3724974.69	6.17E-05	1.34E-05	1.22E-05	1.68E-06	6.56E-05	7.82E-06	6.75E-06	5.71E-07
410	436685.83	3724966.2	6.23E-05	1.35E-05	1.23E-05	1.70E-06	6.61E-05	7.88E-06	6.81E-06	5.76E-07
411	436689.88	3724957.71	6.27E-05	1.36E-05	1.24E-05	1.71E-06	6.66E-05	7.94E-06	6.86E-06	5.80E-07
412	436693.92	3724949.22	6.31E-05	1.37E-05	1.25E-05	1.72E-06	6.70E-05	7.99E-06	6.90E-06	5.84E-07
413	436697.97	3724940.73	6.35E-05	1.38E-05	1.25E-05	1.73E-06	6.74E-05	8.04E-06	6.94E-06	5.87E-07
414	436702.02	3724932.24	6.39E-05	1.39E-05	1.26E-05	1.74E-06	6.78E-05	8.09E-06	6.99E-06	5.91E-07
415	436706.06	3724923.75	6.44E-05	1.40E-05	1.27E-05	1.76E-06	6.84E-05	8.15E-06	7.04E-06	5.95E-07
416	436710.11	3724915.25	6.48E-05	1.41E-05	1.28E-05	1.77E-06	6.89E-05	8.21E-06	7.09E-06	6.00E-07
417	436714.15	3724906.76	6.53E-05	1.42E-05	1.29E-05	1.78E-06	6.94E-05	8.27E-06	7.15E-06	6.04E-07
418	436718.2	3724898.27	6.58E-05	1.43E-05	1.30E-05	1.80E-06	6.99E-05	8.33E-06	7.20E-06	6.09E-07
419	436722.25	3724889.78	6.62E-05	1.44E-05	1.31E-05	1.80E-06	7.03E-05	8.38E-06	7.24E-06	6.12E-07
420	436726.29	3724881.29	6.64E-05	1.44E-05	1.31E-05	1.81E-06	7.05E-05	8.41E-06	7.26E-06	6.14E-07
421	436730.34	3724872.8	6.66E-05	1.45E-05	1.32E-05	1.82E-06	7.07E-05	8.43E-06	7.28E-06	6.16E-07
422	436734.39	3724864.31	6.67E-05	1.45E-05	1.32E-05	1.82E-06	7.09E-05	8.45E-06	7.30E-06	6.17E-07
423	436738.43	3724855.82	6.69E-05	1.45E-05	1.32E-05	1.83E-06	7.11E-05	8.48E-06	7.32E-06	6.19E-07
424	436742.48	3724847.33	6.71E-05	1.46E-05	1.32E-05	1.83E-06	7.13E-05	8.49E-06	7.34E-06	6.20E-07
425	436746.53	3724838.83	6.72E-05	1.46E-05	1.33E-05	1.83E-06	7.14E-05	8.51E-06	7.35E-06	6.21E-07
426	436750.57	3724830.34	6.73E-05	1.46E-05	1.33E-05	1.84E-06	7.15E-05	8.52E-06	7.36E-06	6.22E-07
427	436754.62	3724821.85	6.74E-05	1.46E-05	1.33E-05	1.84E-06	7.16E-05	8.53E-06	7.37E-06	6.23E-07
428	436758.66	3724813.36	6.74E-05	1.46E-05	1.33E-05	1.84E-06	7.16E-05	8.54E-06	7.38E-06	6.24E-07
429	436762.71	3724804.87	6.75E-05	1.47E-05	1.33E-05	1.84E-06	7.17E-05	8.54E-06	7.38E-06	6.24E-07
430	436766.76	3724796.38	6.75E-05	1.47E-05	1.33E-05	1.84E-06	7.17E-05	8.55E-06	7.39E-06	6.24E-07
431	436770.8	3724787.89	6.75E-05	1.47E-05	1.33E-05	1.84E-06	7.17E-05	8.55E-06	7.39E-06	6.24E-07
432	436774.85	3724779.4	6.75E-05	1.47E-05	1.33E-05	1.84E-06	7.17E-05	8.55E-06	7.39E-06	6.24E-07
433	436778.9	3724770.91	6.75E-05	1.47E-05	1.33E-05	1.84E-06	7.17E-05	8.54E-06	7.38E-06	6.24E-07
434	436782.94	3724762.41	6.74E-05	1.46E-05	1.33E-05	1.84E-06	7.16E-05	8.54E-06	7.38E-06	6.24E-07
435	436786.99	3724753.92	6.73E-05	1.46E-05	1.33E-05	1.84E-06	7.15E-05	8.52E-06	7.36E-06	6.23E-07
436	436791.04	3724745.43	6.72E-05	1.46E-05	1.33E-05	1.83E-06	7.14E-05	8.51E-06	7.35E-06	6.22E-07
437	436795.08	3724736.94	6.71E-05	1.46E-05	1.33E-05	1.83E-06	7.13E-05	8.50E-06	7.34E-06	6.21E-07
438	436799.13	3724728.45	6.70E-05	1.46E-05	1.32E-05	1.83E-06	7.11E-05	8.48E-06	7.33E-06	6.19E-07
439	436803.17	3724719.96	6.68E-05	1.45E-05	1.32E-05	1.82E-06	7.10E-05	8.46E-06	7.31E-06	6.18E-07
440	436807.22	3724711.47	6.66E-05	1.45E-05	1.32E-05	1.82E-06	7.08E-05	8.44E-06	7.29E-06	6.16E-07
441	436811.27	3724702.98	6.64E-05	1.44E-05	1.31E-05	1.81E-06	7.06E-05	8.41E-06	7.27E-06	6.15E-07
442	436815.31	3724694.48	6.63E-05	1.44E-05	1.31E-05	1.81E-06	7.04E-05	8.39E-06	7.25E-06	6.13E-07
443	436819.36	3724685.99	6.60E-05	1.43E-05	1.30E-05	1.80E-06	7.01E-05	8.36E-06	7.22E-06	6.10E-07
444	436823.41	3724677.5	6.58E-05	1.43E-05	1.30E-05	1.79E-06	6.99E-05	8.33E-06	7.19E-06	6.08E-07
445	436827.45	3724669.01	6.55E-05	1.42E-05	1.29E-05	1.79E-06	6.95E-05	8.29E-06	7.16E-06	6.06E-07
446	436831.5	3724660.52	6.52E-05	1.42E-05	1.29E-05	1.78E-06	6.92E-05	8.25E-06	7.13E-06	6.03E-07
447	436835.55	3724652.03	6.48E-05	1.41E-05	1.28E-05	1.77E-06	6.89E-05	8.21E-06	7.09E-06	6.00E-07
448	436839.59	3724643.54	6.45E-05	1.40E-05	1.27E-05	1.76E-06	6.85E-05	8.17E-06	7.06E-06	5.97E-07
449	436843.64	3724635.05	6.42E-05	1.39E-05	1.27E-05	1.75E-06	6.82E-05	8.12E-06	7.02E-06	5.93E-07
450	436847.68	3724626.56	6.38E-05	1.39E-05	1.26E-05	1.74E-06	6.77E-05	8.07E-06	6.98E-06	5.90E-07
451	436851.73	3724618.06	6.34E-05	1.38E-05	1.25E-05	1.73E-06	6.73E-05	8.03E-06	6.93E-06	5.86E-07
452	436855.78	3724609.57	6.29E-05	1.37E-05	1.24E-05	1.72E-06	6.69E-05	7.97E-06	6.89E-06	5.82E-07
453	436859.82	3724601.08	6.25E-05	1.36E-05	1.23E-05	1.71E-06	6.64E-05	7.91E-06	6.84E-06	5.78E-07
454	436863.87	3724592.59	6.21E-05	1.35E-05	1.23E-05	1.69E-06	6.59E-05	7.86E-06	6.79E-06	5.74E-07
455	436867.92	3724584.1	6.16E-05	1.34E-05	1.22E-05	1.68E-06	6.55E-05	7.80E-06	6.74E-06	5.70E-07
456	436871.96	3724575.61	6.12E-05	1.33E-05	1.21E-05	1.67E-06	6.50E-05	7.75E-06	6.69E-06	5.66E-07
457	436876.01	3724567.12	6.08E-05	1.32E-05	1.20E-05	1.66E-06	6.45E-05	7.69E-06	6.65E-06	5.62E-07
458	436880.05	3724558.63	6.03E-05	1.31E-05	1.19E-05	1.64E-06	6.40E-05	7.63E-06	6.59E-06	5.57E-07
459	436884.1	3724550.14	5.98E-05	1.30E-05	1.18E-05	1.63E-06	6.35E-05	7.57E-06	6.54E-06	5.53E-07
460	436888.15	3724541.64	5.92E-05	1.29E-05	1.17E-05	1.62E-06	6.29E-05	7.50E-06	6.48E-06	5.48E-07

461	436820.88	3725887.26	7.47E-05	1.62E-05	1.47E-05	2.04E-06	7.93E-05	9.45E-06	8.17E-06	6.91E-07
462	436827.2	3725894.3	7.55E-05	1.64E-05	1.49E-05	2.06E-06	8.02E-05	9.56E-06	8.26E-06	6.98E-07
463	436833.52	3725901.34	7.64E-05	1.66E-05	1.51E-05	2.08E-06	8.11E-05	9.67E-06	8.35E-06	7.06E-07
464	436787.97	3725905.08	7.06E-05	1.53E-05	1.39E-05	1.93E-06	7.50E-05	8.94E-06	7.73E-06	6.53E-07
465	436784.83	3725896.19	7.03E-05	1.53E-05	1.39E-05	1.92E-06	7.47E-05	8.90E-06	7.69E-06	6.50E-07
466	436781.69	3725887.29	6.99E-05	1.52E-05	1.38E-05	1.91E-06	7.43E-05	8.86E-06	7.65E-06	6.47E-07
467	436778.55	3725878.39	6.97E-05	1.51E-05	1.38E-05	1.90E-06	7.40E-05	8.82E-06	7.62E-06	6.44E-07
468	436775.41	3725869.5	6.94E-05	1.51E-05	1.37E-05	1.89E-06	7.37E-05	8.78E-06	7.59E-06	6.42E-07
469	436772.27	3725860.6	6.91E-05	1.50E-05	1.36E-05	1.88E-06	7.34E-05	8.75E-06	7.56E-06	6.39E-07
470	436769.12	3725851.7	6.87E-05	1.49E-05	1.36E-05	1.88E-06	7.30E-05	8.70E-06	7.52E-06	6.36E-07
471	436765.98	3725842.81	6.84E-05	1.49E-05	1.35E-05	1.87E-06	7.26E-05	8.66E-06	7.48E-06	6.33E-07
472	436762.84	3725833.91	6.81E-05	1.48E-05	1.34E-05	1.86E-06	7.23E-05	8.62E-06	7.44E-06	6.29E-07
473	436759.7	3725825.01	6.78E-05	1.47E-05	1.34E-05	1.85E-06	7.20E-05	8.59E-06	7.42E-06	6.27E-07
474	436756.56	3725816.12	6.76E-05	1.47E-05	1.34E-05	1.84E-06	7.18E-05	8.56E-06	7.40E-06	6.25E-07
475	436753.41	3725807.22	6.74E-05	1.46E-05	1.33E-05	1.84E-06	7.16E-05	8.53E-06	7.37E-06	6.23E-07
476	436750.27	3725798.32	6.72E-05	1.46E-05	1.33E-05	1.83E-06	7.14E-05	8.51E-06	7.35E-06	6.22E-07
477	436747.13	3725789.43	6.71E-05	1.46E-05	1.32E-05	1.83E-06	7.13E-05	8.49E-06	7.34E-06	6.20E-07
478	436650.28	3724954.87	5.84E-05	1.27E-05	1.15E-05	1.59E-06	6.20E-05	7.39E-06	6.39E-06	5.40E-07
479	436654.34	3724946.36	5.88E-05	1.28E-05	1.16E-05	1.60E-06	6.24E-05	7.44E-06	6.43E-06	5.43E-07
480	436658.4	3724937.84	5.91E-05	1.28E-05	1.17E-05	1.61E-06	6.27E-05	7.48E-06	6.46E-06	5.46E-07
481	436662.46	3724929.32	5.94E-05	1.29E-05	1.17E-05	1.62E-06	6.31E-05	7.52E-06	6.50E-06	5.49E-07
482	436666.52	3724920.8	5.98E-05	1.30E-05	1.18E-05	1.63E-06	6.35E-05	7.57E-06	6.54E-06	5.53E-07
483	436670.58	3724912.29	6.01E-05	1.31E-05	1.19E-05	1.64E-06	6.39E-05	7.61E-06	6.58E-06	5.56E-07
484	436674.63	3724903.77	6.05E-05	1.31E-05	1.19E-05	1.65E-06	6.42E-05	7.66E-06	6.61E-06	5.59E-07
485	436678.69	3724895.25	6.08E-05	1.32E-05	1.20E-05	1.66E-06	6.45E-05	7.69E-06	6.65E-06	5.62E-07
486	436682.75	3724886.73	6.10E-05	1.33E-05	1.21E-05	1.67E-06	6.48E-05	7.73E-06	6.68E-06	5.65E-07
487	436686.81	3724878.22	6.13E-05	1.33E-05	1.21E-05	1.67E-06	6.52E-05	7.77E-06	6.71E-06	5.67E-07
488	436690.87	3724869.7	6.16E-05	1.34E-05	1.22E-05	1.68E-06	6.54E-05	7.80E-06	6.74E-06	5.70E-07
489	436694.93	3724861.18	6.19E-05	1.35E-05	1.22E-05	1.69E-06	6.58E-05	7.84E-06	6.77E-06	5.73E-07
490	436698.99	3724852.66	6.22E-05	1.35E-05	1.23E-05	1.70E-06	6.61E-05	7.88E-06	6.81E-06	5.75E-07
491	436703.05	3724844.15	6.26E-05	1.36E-05	1.24E-05	1.71E-06	6.64E-05	7.92E-06	6.84E-06	5.79E-07
492	436707.11	3724835.63	6.29E-05	1.37E-05	1.24E-05	1.72E-06	6.69E-05	7.97E-06	6.89E-06	5.82E-07
493	436711.16	3724827.11	6.32E-05	1.37E-05	1.25E-05	1.73E-06	6.72E-05	8.01E-06	6.92E-06	5.85E-07
494	436715.22	3724818.6	6.35E-05	1.38E-05	1.25E-05	1.73E-06	6.75E-05	8.04E-06	6.95E-06	5.88E-07
495	436719.28	3724810.08	6.39E-05	1.39E-05	1.26E-05	1.74E-06	6.78E-05	8.09E-06	6.99E-06	5.91E-07
496	436723.34	3724801.56	6.40E-05	1.39E-05	1.26E-05	1.75E-06	6.79E-05	8.10E-06	7.00E-06	5.92E-07
497	436727.4	3724793.04	6.40E-05	1.39E-05	1.26E-05	1.75E-06	6.80E-05	8.11E-06	7.00E-06	5.92E-07
498	436731.46	3724784.53	6.40E-05	1.39E-05	1.26E-05	1.75E-06	6.80E-05	8.11E-06	7.00E-06	5.92E-07
499	436735.52	3724776.01	6.41E-05	1.39E-05	1.27E-05	1.75E-06	6.80E-05	8.11E-06	7.01E-06	5.92E-07
500	436739.58	3724767.49	6.41E-05	1.39E-05	1.27E-05	1.75E-06	6.80E-05	8.11E-06	7.01E-06	5.92E-07
501	436743.63	3724758.97	6.41E-05	1.39E-05	1.27E-05	1.75E-06	6.80E-05	8.11E-06	7.01E-06	5.92E-07
502	436747.69	3724750.46	6.40E-05	1.39E-05	1.26E-05	1.75E-06	6.80E-05	8.11E-06	7.00E-06	5.92E-07
503	436751.75	3724741.94	6.40E-05	1.39E-05	1.26E-05	1.75E-06	6.79E-05	8.10E-06	7.00E-06	5.92E-07
504	436755.81	3724733.42	6.39E-05	1.39E-05	1.26E-05	1.74E-06	6.78E-05	8.09E-06	6.99E-06	5.91E-07
505	436759.87	3724724.9	6.38E-05	1.39E-05	1.26E-05	1.74E-06	6.77E-05	8.07E-06	6.98E-06	5.90E-07
506	436763.93	3724716.39	6.37E-05	1.38E-05	1.26E-05	1.74E-06	6.76E-05	8.06E-06	6.97E-06	5.89E-07
507	436767.99	3724707.87	6.35E-05	1.38E-05	1.25E-05	1.73E-06	6.75E-05	8.04E-06	6.95E-06	5.88E-07
508	436772.05	3724699.35	6.34E-05	1.38E-05	1.25E-05	1.73E-06	6.73E-05	8.03E-06	6.93E-06	5.86E-07
509	436776.11	3724690.84	6.32E-05	1.37E-05	1.25E-05	1.73E-06	6.72E-05	8.01E-06	6.92E-06	5.85E-07
510	436780.16	3724682.32	6.30E-05	1.37E-05	1.25E-05	1.72E-06	6.70E-05	7.98E-06	6.90E-06	5.83E-07
511	436784.22	3724673.8	6.28E-05	1.37E-05	1.24E-05	1.71E-06	6.68E-05	7.96E-06	6.87E-06	5.81E-07
512	436788.28	3724665.28	6.27E-05	1.36E-05	1.24E-05	1.71E-06	6.65E-05	7.93E-06	6.85E-06	5.79E-07
513	436792.34	3724656.77	6.25E-05	1.36E-05	1.23E-05	1.70E-06	6.63E-05	7.91E-06	6.83E-06	5.78E-07
514	436796.4	3724648.25	6.22E-05	1.35E-05	1.23E-05	1.70E-06	6.61E-05	7.88E-06	6.81E-06	5.75E-07
515	436800.46	3724639.73	6.19E-05	1.35E-05	1.22E-05	1.69E-06	6.58E-05	7.84E-06	6.77E-06	5.73E-07
516	436804.52	3724631.21	6.17E-05	1.34E-05	1.22E-05	1.68E-06	6.55E-05	7.81E-06	6.75E-06	5.70E-07
517	436808.58	3724622.7	6.13E-05	1.33E-05	1.21E-05	1.67E-06	6.52E-05	7.77E-06	6.71E-06	5.67E-07
518	436812.64	3724614.18	6.10E-05	1.33E-05	1.20E-05	1.66E-06	6.48E-05	7.72E-06	6.67E-06	5.64E-07

519	436816.69	3724605.66	6.07E-05	1.32E-05	1.20E-05	1.65E-06	6.44E-05	7.68E-06	6.64E-06	5.61E-07
520	436820.75	3724597.14	6.03E-05	1.31E-05	1.19E-05	1.65E-06	6.41E-05	7.64E-06	6.60E-06	5.58E-07
521	436824.81	3724588.63	5.99E-05	1.30E-05	1.18E-05	1.64E-06	6.37E-05	7.59E-06	6.56E-06	5.54E-07
522	436828.87	3724580.11	5.95E-05	1.29E-05	1.18E-05	1.62E-06	6.32E-05	7.54E-06	6.51E-06	5.51E-07
523	436832.93	3724571.59	5.91E-05	1.29E-05	1.17E-05	1.61E-06	6.28E-05	7.49E-06	6.47E-06	5.47E-07
524	436836.99	3724563.07	5.88E-05	1.28E-05	1.16E-05	1.60E-06	6.25E-05	7.45E-06	6.43E-06	5.44E-07
525	436841.05	3724554.56	5.84E-05	1.27E-05	1.15E-05	1.59E-06	6.21E-05	7.40E-06	6.39E-06	5.40E-07
526	436845.11	3724546.04	5.80E-05	1.26E-05	1.15E-05	1.58E-06	6.16E-05	7.35E-06	6.35E-06	5.37E-07
527	436849.16	3724537.52	5.73E-05	1.24E-05	1.13E-05	1.56E-06	6.09E-05	7.26E-06	6.27E-06	5.30E-07
528	436853.22	3724529.01	5.66E-05	1.23E-05	1.12E-05	1.54E-06	6.01E-05	7.16E-06	6.19E-06	5.23E-07
529	436857.28	3724520.49	5.59E-05	1.21E-05	1.10E-05	1.52E-06	5.94E-05	7.08E-06	6.11E-06	5.17E-07
530	436861.34	3724511.97	5.55E-05	1.21E-05	1.10E-05	1.51E-06	5.90E-05	7.03E-06	6.07E-06	5.13E-07
531	436791.12	3725913.98	7.10E-05	1.54E-05	1.40E-05	1.94E-06	7.54E-05	8.99E-06	7.77E-06	6.57E-07
532	436797.44	3725921.02	7.18E-05	1.56E-05	1.42E-05	1.96E-06	7.63E-05	9.09E-06	7.85E-06	6.64E-07
533	436803.76	3725928.06	7.25E-05	1.58E-05	1.43E-05	1.98E-06	7.70E-05	9.18E-06	7.93E-06	6.71E-07
534	437276.64	3725541.49	3.85E-04	8.37E-05	7.61E-05	1.05E-05	4.09E-04	4.88E-05	4.22E-05	3.56E-06
535	437288.46	3725554.53	3.99E-04	8.68E-05	7.89E-05	1.09E-05	4.24E-04	5.06E-05	4.37E-05	3.69E-06
536	437300.27	3725567.56	4.17E-04	9.05E-05	8.23E-05	1.14E-05	4.43E-04	5.28E-05	4.56E-05	3.85E-06
537	437242.6	3725548.61	3.21E-04	6.98E-05	6.34E-05	8.76E-06	3.41E-04	4.07E-05	3.51E-05	2.97E-06
538	437254.42	3725561.64	3.36E-04	7.30E-05	6.63E-05	9.16E-06	3.57E-04	4.25E-05	3.67E-05	3.11E-06
539	437244	3725594.82	3.04E-04	6.61E-05	6.01E-05	8.31E-06	3.23E-04	3.85E-05	3.33E-05	2.82E-06
540	437255.81	3725607.85	3.19E-04	6.92E-05	6.29E-05	8.70E-06	3.39E-04	4.04E-05	3.49E-05	2.95E-06
541	437198.15	3725588.9	2.48E-04	5.39E-05	4.90E-05	6.77E-06	2.63E-04	3.14E-05	2.71E-05	2.29E-06
542	437209.96	3725601.93	2.58E-04	5.61E-05	5.10E-05	7.04E-06	2.74E-04	3.27E-05	2.82E-05	2.39E-06
543	437221.77	3725614.97	2.69E-04	5.84E-05	5.31E-05	7.34E-06	2.86E-04	3.40E-05	2.94E-05	2.49E-06
544	437233.58	3725628	2.81E-04	6.10E-05	5.55E-05	7.66E-06	2.98E-04	3.56E-05	3.07E-05	2.60E-06
545	437175.92	3725609.05	2.19E-04	4.76E-05	4.32E-05	5.97E-06	2.33E-04	2.77E-05	2.40E-05	2.02E-06
546	437199.54	3725635.11	2.38E-04	5.16E-05	4.69E-05	6.48E-06	2.52E-04	3.01E-05	2.60E-05	2.20E-06
547	437153.69	3725629.2	1.95E-04	4.23E-05	3.84E-05	5.31E-06	2.07E-04	2.46E-05	2.13E-05	1.80E-06
548	437165.5	3725642.23	2.03E-04	4.40E-05	4.00E-05	5.53E-06	2.15E-04	2.57E-05	2.22E-05	1.88E-06
549	437131.46	3725649.34	1.76E-04	3.82E-05	3.48E-05	4.80E-06	1.87E-04	2.23E-05	1.93E-05	1.63E-06
550	437143.28	3725662.38	1.83E-04	3.97E-05	3.61E-05	4.98E-06	1.94E-04	2.31E-05	2.00E-05	1.69E-06
551	437155.09	3725675.41	1.90E-04	4.12E-05	3.74E-05	5.17E-06	2.01E-04	2.40E-05	2.07E-05	1.75E-06
552	437166.9	3725688.44	1.97E-04	4.28E-05	3.89E-05	5.37E-06	2.09E-04	2.49E-05	2.15E-05	1.82E-06
553	437079.6	3725696.35	1.41E-04	3.05E-05	2.78E-05	3.84E-06	1.49E-04	1.78E-05	1.54E-05	1.30E-06
554	437091.41	3725709.39	1.45E-04	3.15E-05	2.86E-05	3.95E-06	1.54E-04	1.83E-05	1.59E-05	1.34E-06
555	437103.22	3725722.42	1.50E-04	3.25E-05	2.95E-05	4.08E-06	1.59E-04	1.89E-05	1.64E-05	1.38E-06
556	437049.96	3725723.22	1.26E-04	2.74E-05	2.49E-05	3.45E-06	1.34E-04	1.60E-05	1.38E-05	1.17E-06
557	437032.13	3725763.11	1.18E-04	2.56E-05	2.33E-05	3.22E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
558	436990.68	3725776.94	1.07E-04	2.33E-05	2.12E-05	2.93E-06	1.14E-04	1.36E-05	1.17E-05	9.92E-07
559	437002.5	3725789.98	1.09E-04	2.37E-05	2.16E-05	2.98E-06	1.16E-04	1.38E-05	1.20E-05	1.01E-06
560	437014.31	3725803.01	1.11E-04	2.42E-05	2.20E-05	3.04E-06	1.18E-04	1.41E-05	1.22E-05	1.03E-06
561	437026.12	3725816.04	1.14E-04	2.47E-05	2.25E-05	3.10E-06	1.21E-04	1.44E-05	1.24E-05	1.05E-06
562	436961.05	3725803.81	1.00E-04	2.18E-05	1.98E-05	2.74E-06	1.07E-04	1.27E-05	1.10E-05	9.28E-07
563	436972.86	3725816.84	1.02E-04	2.22E-05	2.02E-05	2.79E-06	1.08E-04	1.29E-05	1.12E-05	9.44E-07
564	436984.67	3725829.87	1.04E-04	2.26E-05	2.05E-05	2.83E-06	1.10E-04	1.31E-05	1.14E-05	9.60E-07
565	436996.48	3725842.9	1.06E-04	2.30E-05	2.09E-05	2.89E-06	1.12E-04	1.34E-05	1.16E-05	9.78E-07
566	436931.41	3725830.67	9.33E-05	2.03E-05	1.84E-05	2.55E-06	9.92E-05	1.18E-05	1.02E-05	8.63E-07
567	436943.22	3725843.7	9.52E-05	2.07E-05	1.88E-05	2.60E-06	1.01E-04	1.21E-05	1.04E-05	8.80E-07
568	436955.03	3725856.73	9.72E-05	2.11E-05	1.92E-05	2.65E-06	1.03E-04	1.23E-05	1.06E-05	8.99E-07
569	436966.85	3725869.77	9.93E-05	2.16E-05	1.96E-05	2.71E-06	1.06E-04	1.26E-05	1.09E-05	9.19E-07
570	436901.77	3725857.53	8.71E-05	1.89E-05	1.72E-05	2.38E-06	9.25E-05	1.10E-05	9.53E-06	8.06E-07
571	436913.58	3725870.57	8.93E-05	1.94E-05	1.76E-05	2.44E-06	9.48E-05	1.13E-05	9.76E-06	8.26E-07
572	436925.4	3725883.6	9.15E-05	1.99E-05	1.81E-05	2.50E-06	9.72E-05	1.16E-05	1.00E-05	8.47E-07
573	436937.21	3725896.63	9.37E-05	2.04E-05	1.85E-05	2.56E-06	9.96E-05	1.19E-05	1.03E-05	8.67E-07
574	436872.14	3725884.4	8.21E-05	1.78E-05	1.62E-05	2.24E-06	8.72E-05	1.04E-05	8.98E-06	7.59E-07
575	436883.95	3725897.43	8.42E-05	1.83E-05	1.66E-05	2.30E-06	8.94E-05	1.07E-05	9.21E-06	7.79E-07
576	436895.76	3725910.46	8.64E-05	1.88E-05	1.71E-05	2.36E-06	9.18E-05	1.09E-05	9.45E-06	7.99E-07

577	436907.57	3725923.49	8.86E-05	1.93E-05	1.75E-05	2.42E-06	9.41E-05	1.12E-05	9.70E-06	8.20E-07
578	436842.5	3725911.26	7.76E-05	1.69E-05	1.53E-05	2.12E-06	8.25E-05	9.83E-06	8.49E-06	7.18E-07
579	436854.31	3725924.29	7.95E-05	1.73E-05	1.57E-05	2.17E-06	8.44E-05	1.01E-05	8.69E-06	7.35E-07
580	436866.12	3725937.32	8.16E-05	1.77E-05	1.61E-05	2.23E-06	8.66E-05	1.03E-05	8.92E-06	7.54E-07
581	436877.94	3725950.36	8.36E-05	1.82E-05	1.65E-05	2.28E-06	8.88E-05	1.06E-05	9.15E-06	7.73E-07
582	436812.86	3725938.12	7.37E-05	1.60E-05	1.46E-05	2.01E-06	7.83E-05	9.34E-06	8.07E-06	6.82E-07
583	436824.67	3725951.15	7.55E-05	1.64E-05	1.49E-05	2.06E-06	8.02E-05	9.57E-06	8.26E-06	6.99E-07
584	436836.49	3725964.19	7.74E-05	1.68E-05	1.53E-05	2.11E-06	8.23E-05	9.81E-06	8.47E-06	7.16E-07
585	436848.3	3725977.22	7.93E-05	1.72E-05	1.57E-05	2.16E-06	8.43E-05	1.00E-05	8.68E-06	7.34E-07
586	436967.74	3725574.4	1.09E-04	2.37E-05	2.15E-05	2.98E-06	1.16E-04	1.38E-05	1.19E-05	1.01E-06
587	436930.83	3725589.82	9.79E-05	2.13E-05	1.93E-05	2.67E-06	1.04E-04	1.24E-05	1.07E-05	9.05E-07
588	436893.93	3725605.25	8.93E-05	1.94E-05	1.76E-05	2.44E-06	9.49E-05	1.13E-05	9.77E-06	8.26E-07
589	436857.02	3725620.68	8.20E-05	1.78E-05	1.62E-05	2.24E-06	8.71E-05	1.04E-05	8.97E-06	7.58E-07
590	436820.12	3725636.1	7.69E-05	1.67E-05	1.52E-05	2.10E-06	8.16E-05	9.73E-06	8.41E-06	7.11E-07
591	436730.34	3725021.93	6.69E-05	1.45E-05	1.32E-05	1.83E-06	7.11E-05	8.48E-06	7.32E-06	6.19E-07
592	436692.61	3725008.65	6.29E-05	1.37E-05	1.24E-05	1.72E-06	6.68E-05	7.96E-06	6.88E-06	5.82E-07
593	436654.87	3724995.37	5.86E-05	1.27E-05	1.16E-05	1.60E-06	6.22E-05	7.42E-06	6.41E-06	5.42E-07
594	437486.31	3725583.06	1.25E-03	2.72E-04	2.47E-04	3.41E-05	1.33E-03	1.58E-04	1.37E-04	1.16E-05
595	437493.69	3725589.34	1.29E-03	2.80E-04	2.54E-04	3.51E-05	1.37E-03	1.63E-04	1.41E-04	1.19E-05
596	437501.08	3725595.62	1.32E-03	2.87E-04	2.61E-04	3.60E-05	1.40E-03	1.67E-04	1.44E-04	1.22E-05
597	437508.47	3725601.9	1.35E-03	2.94E-04	2.68E-04	3.70E-05	1.44E-03	1.72E-04	1.48E-04	1.25E-05
598	437436.41	3725566.9	8.97E-04	1.95E-04	1.77E-04	2.45E-05	9.53E-04	1.14E-04	9.81E-05	8.29E-06
599	437443.8	3725573.18	9.29E-04	2.02E-04	1.84E-04	2.54E-05	9.87E-04	1.18E-04	1.02E-04	8.60E-06
600	437451.19	3725579.46	9.64E-04	2.09E-04	1.90E-04	2.63E-05	1.02E-03	1.22E-04	1.05E-04	8.91E-06
601	437458.58	3725585.74	9.98E-04	2.17E-04	1.97E-04	2.72E-05	1.06E-03	1.26E-04	1.09E-04	9.23E-06
602	437465.96	3725592.02	1.03E-03	2.24E-04	2.04E-04	2.82E-05	1.10E-03	1.31E-04	1.13E-04	9.55E-06
603	437473.35	3725598.3	1.07E-03	2.31E-04	2.10E-04	2.91E-05	1.13E-03	1.35E-04	1.17E-04	9.85E-06
604	437480.74	3725604.58	1.09E-03	2.38E-04	2.16E-04	2.98E-05	1.16E-03	1.39E-04	1.20E-04	1.01E-05
605	437488.13	3725610.86	1.12E-03	2.44E-04	2.22E-04	3.06E-05	1.19E-03	1.42E-04	1.23E-04	1.04E-05
606	437495.52	3725617.14	1.15E-03	2.50E-04	2.28E-04	3.14E-05	1.22E-03	1.46E-04	1.26E-04	1.07E-05
607	437396.27	3725555.39	7.01E-04	1.52E-04	1.39E-04	1.91E-05	7.45E-04	8.88E-05	7.67E-05	6.49E-06
608	437401.29	3725563.3	7.10E-04	1.54E-04	1.40E-04	1.94E-05	7.54E-04	8.99E-05	7.77E-05	6.57E-06
609	437408.68	3725569.58	7.31E-04	1.59E-04	1.44E-04	1.99E-05	7.76E-04	9.25E-05	7.99E-05	6.76E-06
610	437423.46	3725582.14	7.79E-04	1.69E-04	1.54E-04	2.13E-05	8.28E-04	9.87E-05	8.53E-05	7.21E-06
611	437430.84	3725588.42	8.05E-04	1.75E-04	1.59E-04	2.20E-05	8.55E-04	1.02E-04	8.81E-05	7.44E-06
612	437438.23	3725594.7	8.31E-04	1.81E-04	1.64E-04	2.27E-05	8.83E-04	1.05E-04	9.09E-05	7.69E-06
613	437445.62	3725600.98	8.57E-04	1.86E-04	1.69E-04	2.34E-05	9.11E-04	1.09E-04	9.38E-05	7.93E-06
614	437453.01	3725607.26	8.84E-04	1.92E-04	1.75E-04	2.41E-05	9.39E-04	1.12E-04	9.67E-05	8.17E-06
615	437460.4	3725613.54	9.10E-04	1.98E-04	1.80E-04	2.48E-05	9.67E-04	1.15E-04	9.96E-05	8.42E-06
616	437467.79	3725619.82	9.38E-04	2.04E-04	1.85E-04	2.56E-05	9.96E-04	1.19E-04	1.03E-04	8.67E-06
617	437475.18	3725626.1	9.63E-04	2.09E-04	1.90E-04	2.63E-05	1.02E-03	1.22E-04	1.05E-04	8.91E-06
618	437482.57	3725632.38	9.87E-04	2.14E-04	1.95E-04	2.69E-05	1.05E-03	1.25E-04	1.08E-04	9.13E-06
619	437376.87	3725578.29	5.94E-04	1.29E-04	1.17E-04	1.62E-05	6.31E-04	7.52E-05	6.50E-05	5.49E-06
620	437371.87	3725570.41	5.88E-04	1.28E-04	1.16E-04	1.61E-05	6.25E-04	7.45E-05	6.44E-05	5.44E-06
621	437366.88	3725562.54	5.82E-04	1.27E-04	1.15E-04	1.59E-05	6.19E-04	7.37E-05	6.37E-05	5.39E-06
622	437361.89	3725554.67	5.75E-04	1.25E-04	1.14E-04	1.57E-05	6.11E-04	7.29E-05	6.29E-05	5.32E-06
623	437381.86	3725586.16	6.00E-04	1.30E-04	1.18E-04	1.64E-05	6.37E-04	7.60E-05	6.56E-05	5.55E-06
624	437389.25	3725592.44	6.15E-04	1.34E-04	1.22E-04	1.68E-05	6.54E-04	7.79E-05	6.73E-05	5.69E-06
625	437396.64	3725598.72	6.30E-04	1.37E-04	1.24E-04	1.72E-05	6.69E-04	7.98E-05	6.89E-05	5.83E-06
626	437404.03	3725605	6.44E-04	1.40E-04	1.27E-04	1.76E-05	6.84E-04	8.16E-05	7.05E-05	5.96E-06
627	437455.75	3725648.96	7.78E-04	1.69E-04	1.54E-04	2.12E-05	8.26E-04	9.85E-05	8.51E-05	7.19E-06
628	437463.14	3725655.24	7.97E-04	1.73E-04	1.57E-04	2.17E-05	8.46E-04	1.01E-04	8.71E-05	7.37E-06
629	437357.46	3725601.18	5.15E-04	1.12E-04	1.02E-04	1.41E-05	5.48E-04	6.53E-05	5.64E-05	4.77E-06
630	437352.49	3725593.34	5.12E-04	1.11E-04	1.01E-04	1.40E-05	5.43E-04	6.48E-05	5.60E-05	4.73E-06
631	437362.43	3725609.02	5.19E-04	1.13E-04	1.02E-04	1.41E-05	5.51E-04	6.57E-05	5.67E-05	4.80E-06
632	437369.82	3725615.3	5.28E-04	1.15E-04	1.04E-04	1.44E-05	5.61E-04	6.69E-05	5.78E-05	4.89E-06
633	437377.21	3725621.58	5.38E-04	1.17E-04	1.06E-04	1.47E-05	5.71E-04	6.81E-05	5.88E-05	4.97E-06
634	437384.6	3725627.86	5.49E-04	1.19E-04	1.08E-04	1.50E-05	5.83E-04	6.95E-05	6.00E-05	5.08E-06

635	437391.99	3725634.14	5.62E-04	1.22E-04	1.11E-04	1.53E-05	5.97E-04	7.11E-05	6.15E-05	5.20E-06
636	437399.38	3725640.42	5.75E-04	1.25E-04	1.13E-04	1.57E-05	6.10E-04	7.28E-05	6.29E-05	5.31E-06
637	437421.54	3725659.26	6.17E-04	1.34E-04	1.22E-04	1.68E-05	6.56E-04	7.82E-05	6.75E-05	5.71E-06
638	437428.93	3725665.54	6.33E-04	1.38E-04	1.25E-04	1.73E-05	6.72E-04	8.02E-05	6.93E-05	5.86E-06
639	437436.32	3725671.82	6.48E-04	1.41E-04	1.28E-04	1.77E-05	6.88E-04	8.21E-05	7.09E-05	5.99E-06
640	437443.71	3725678.1	6.63E-04	1.44E-04	1.31E-04	1.81E-05	7.04E-04	8.39E-05	7.25E-05	6.13E-06
641	437296.53	3725558.6	4.14E-04	8.99E-05	8.17E-05	1.13E-05	4.39E-04	5.24E-05	4.53E-05	3.83E-06
642	437286.2	3725542.31	4.03E-04	8.75E-05	7.96E-05	1.10E-05	4.28E-04	5.10E-05	4.41E-05	3.73E-06
643	437343	3725631.88	4.58E-04	9.95E-05	9.05E-05	1.25E-05	4.87E-04	5.80E-05	5.01E-05	4.24E-06
644	437350.39	3725638.16	4.67E-04	1.01E-04	9.22E-05	1.27E-05	4.96E-04	5.91E-05	5.11E-05	4.32E-06
645	437357.78	3725644.44	4.75E-04	1.03E-04	9.39E-05	1.30E-05	5.05E-04	6.02E-05	5.20E-05	4.39E-06
646	437365.17	3725650.72	4.83E-04	1.05E-04	9.55E-05	1.32E-05	5.13E-04	6.12E-05	5.29E-05	4.47E-06
647	437372.56	3725657	4.91E-04	1.07E-04	9.70E-05	1.34E-05	5.22E-04	6.22E-05	5.37E-05	4.54E-06
648	437379.95	3725663.28	4.99E-04	1.09E-04	9.86E-05	1.36E-05	5.30E-04	6.32E-05	5.46E-05	4.62E-06
649	437387.34	3725669.56	5.10E-04	1.11E-04	1.01E-04	1.39E-05	5.42E-04	6.46E-05	5.58E-05	4.72E-06
650	437409.51	3725688.4	5.41E-04	1.18E-04	1.07E-04	1.48E-05	5.75E-04	6.85E-05	5.92E-05	5.01E-06
651	437416.9	3725694.68	5.53E-04	1.20E-04	1.09E-04	1.51E-05	5.87E-04	7.00E-05	6.05E-05	5.11E-06
652	437424.28	3725700.96	5.64E-04	1.23E-04	1.11E-04	1.54E-05	6.00E-04	7.15E-05	6.17E-05	5.22E-06
653	437303.04	3725622.36	3.93E-04	8.55E-05	7.77E-05	1.07E-05	4.18E-04	4.98E-05	4.30E-05	3.64E-06
654	437297.91	3725614.27	3.88E-04	8.43E-05	7.66E-05	1.06E-05	4.12E-04	4.91E-05	4.24E-05	3.59E-06
655	437292.78	3725606.17	3.82E-04	8.31E-05	7.55E-05	1.04E-05	4.06E-04	4.84E-05	4.18E-05	3.54E-06
656	437287.64	3725598.08	3.77E-04	8.18E-05	7.44E-05	1.03E-05	4.00E-04	4.77E-05	4.12E-05	3.48E-06
657	437267.11	3725565.7	3.55E-04	7.72E-05	7.02E-05	9.70E-06	3.78E-04	4.50E-05	3.89E-05	3.29E-06
658	437256.85	3725549.52	3.47E-04	7.53E-05	6.85E-05	9.46E-06	3.68E-04	4.39E-05	3.79E-05	3.21E-06
659	437251.71	3725541.42	3.41E-04	7.41E-05	6.74E-05	9.31E-06	3.63E-04	4.32E-05	3.73E-05	3.16E-06
660	437338.35	3725667.3	4.27E-04	9.27E-05	8.43E-05	1.16E-05	4.53E-04	5.40E-05	4.67E-05	3.95E-06
661	437345.74	3725673.58	4.34E-04	9.43E-05	8.57E-05	1.18E-05	4.61E-04	5.49E-05	4.75E-05	4.01E-06
662	437353.13	3725679.86	4.41E-04	9.57E-05	8.70E-05	1.20E-05	4.68E-04	5.58E-05	4.82E-05	4.08E-06
663	437360.52	3725686.14	4.47E-04	9.71E-05	8.83E-05	1.22E-05	4.75E-04	5.66E-05	4.89E-05	4.13E-06
664	437367.91	3725692.42	4.54E-04	9.86E-05	8.97E-05	1.24E-05	4.82E-04	5.75E-05	4.97E-05	4.20E-06
665	437375.3	3725698.7	4.61E-04	1.00E-04	9.11E-05	1.26E-05	4.90E-04	5.84E-05	5.05E-05	4.27E-06
666	437382.69	3725704.98	4.69E-04	1.02E-04	9.27E-05	1.28E-05	4.99E-04	5.94E-05	5.14E-05	4.34E-06
667	437283.72	3725645.39	3.48E-04	7.57E-05	6.88E-05	9.51E-06	3.70E-04	4.41E-05	3.81E-05	3.22E-06
668	437278.61	3725637.33	3.44E-04	7.47E-05	6.79E-05	9.38E-06	3.65E-04	4.35E-05	3.76E-05	3.18E-06
669	437273.51	3725629.28	3.39E-04	7.36E-05	6.69E-05	9.24E-06	3.60E-04	4.29E-05	3.71E-05	3.13E-06
670	437268.4	3725621.23	3.34E-04	7.26E-05	6.60E-05	9.11E-06	3.55E-04	4.23E-05	3.65E-05	3.09E-06
671	437263.29	3725613.18	3.29E-04	7.14E-05	6.49E-05	8.97E-06	3.49E-04	4.16E-05	3.60E-05	3.04E-06
672	437253.08	3725597.07	3.18E-04	6.90E-05	6.27E-05	8.67E-06	3.37E-04	4.02E-05	3.48E-05	2.94E-06
673	437232.65	3725564.86	2.97E-04	6.46E-05	5.87E-05	8.11E-06	3.16E-04	3.76E-05	3.25E-05	2.75E-06
674	437227.55	3725556.81	2.93E-04	6.37E-05	5.79E-05	7.99E-06	3.11E-04	3.71E-05	3.20E-05	2.71E-06
675	437222.44	3725548.75	2.89E-04	6.27E-05	5.70E-05	7.88E-06	3.07E-04	3.66E-05	3.16E-05	2.67E-06
676	437217.33	3725540.7	2.84E-04	6.17E-05	5.61E-05	7.75E-06	3.02E-04	3.60E-05	3.11E-05	2.63E-06
677	437333.7	3725702.72	3.96E-04	8.61E-05	7.83E-05	1.08E-05	4.21E-04	5.02E-05	4.34E-05	3.67E-06
678	437370.65	3725734.12	4.28E-04	9.31E-05	8.46E-05	1.17E-05	4.55E-04	5.42E-05	4.69E-05	3.96E-06
679	437378.04	3725740.4	4.35E-04	9.45E-05	8.59E-05	1.19E-05	4.62E-04	5.51E-05	4.76E-05	4.02E-06
680	437279.64	3725692.44	3.19E-04	6.93E-05	6.30E-05	8.70E-06	3.39E-04	4.04E-05	3.49E-05	2.95E-06
681	437274.55	3725684.42	3.15E-04	6.84E-05	6.22E-05	8.59E-06	3.35E-04	3.99E-05	3.45E-05	2.91E-06
682	437269.47	3725676.41	3.11E-04	6.77E-05	6.15E-05	8.50E-06	3.31E-04	3.94E-05	3.41E-05	2.88E-06
683	437249.13	3725644.34	2.96E-04	6.42E-05	5.84E-05	8.07E-06	3.14E-04	3.74E-05	3.23E-05	2.73E-06
684	437244.05	3725636.32	2.92E-04	6.34E-05	5.76E-05	7.96E-06	3.10E-04	3.69E-05	3.19E-05	2.70E-06
685	437223.71	3725604.25	2.74E-04	5.95E-05	5.41E-05	7.47E-06	2.91E-04	3.47E-05	3.00E-05	2.53E-06
686	437218.63	3725596.24	2.70E-04	5.86E-05	5.33E-05	7.36E-06	2.86E-04	3.41E-05	2.95E-05	2.49E-06
687	437213.54	3725588.22	2.66E-04	5.77E-05	5.25E-05	7.25E-06	2.82E-04	3.36E-05	2.91E-05	2.46E-06
688	437198.29	3725564.17	2.53E-04	5.50E-05	5.00E-05	6.91E-06	2.69E-04	3.21E-05	2.77E-05	2.34E-06
689	437193.21	3725556.15	2.49E-04	5.41E-05	4.92E-05	6.79E-06	2.65E-04	3.15E-05	2.72E-05	2.30E-06
690	437188.12	3725548.13	2.45E-04	5.32E-05	4.83E-05	6.68E-06	2.60E-04	3.10E-05	2.68E-05	2.26E-06
691	437284.72	3725700.46	3.23E-04	7.01E-05	6.37E-05	8.80E-06	3.43E-04	4.08E-05	3.53E-05	2.98E-06
692	437292.11	3725706.74	3.31E-04	7.19E-05	6.53E-05	9.02E-06	3.51E-04	4.19E-05	3.62E-05	3.06E-06

693	437299.5	3725713.02	3.39E-04	7.36E-05	6.69E-05	9.24E-06	3.60E-04	4.29E-05	3.71E-05	3.13E-06
694	437336.44	3725744.42	3.73E-04	8.11E-05	7.38E-05	1.02E-05	3.97E-04	4.73E-05	4.09E-05	3.45E-06
695	437343.83	3725750.7	3.79E-04	8.23E-05	7.48E-05	1.03E-05	4.02E-04	4.80E-05	4.15E-05	3.50E-06
696	437351.22	3725756.98	3.84E-04	8.35E-05	7.59E-05	1.05E-05	4.08E-04	4.87E-05	4.21E-05	3.56E-06
697	437358.61	3725763.26	3.90E-04	8.47E-05	7.70E-05	1.06E-05	4.14E-04	4.93E-05	4.26E-05	3.60E-06
698	437366	3725769.54	3.95E-04	8.58E-05	7.80E-05	1.08E-05	4.19E-04	5.00E-05	4.32E-05	3.65E-06
699	437260.23	3725715.33	2.83E-04	6.14E-05	5.58E-05	7.71E-06	3.00E-04	3.58E-05	3.09E-05	2.62E-06
700	437255.16	3725707.35	2.80E-04	6.07E-05	5.52E-05	7.63E-06	2.97E-04	3.54E-05	3.06E-05	2.59E-06
701	437250.1	3725699.36	2.76E-04	6.00E-05	5.46E-05	7.54E-06	2.94E-04	3.50E-05	3.02E-05	2.56E-06
702	437245.03	3725691.37	2.73E-04	5.93E-05	5.39E-05	7.45E-06	2.90E-04	3.46E-05	2.99E-05	2.52E-06
703	437239.97	3725683.39	2.69E-04	5.85E-05	5.32E-05	7.35E-06	2.86E-04	3.41E-05	2.95E-05	2.49E-06
704	437234.91	3725675.4	2.66E-04	5.78E-05	5.25E-05	7.26E-06	2.83E-04	3.37E-05	2.91E-05	2.46E-06
705	437229.84	3725667.42	2.62E-04	5.70E-05	5.18E-05	7.16E-06	2.79E-04	3.32E-05	2.87E-05	2.43E-06
706	437209.58	3725635.47	2.49E-04	5.40E-05	4.91E-05	6.78E-06	2.64E-04	3.15E-05	2.72E-05	2.30E-06
707	437204.52	3725627.49	2.45E-04	5.33E-05	4.84E-05	6.69E-06	2.60E-04	3.10E-05	2.68E-05	2.27E-06
708	437199.46	3725619.5	2.42E-04	5.25E-05	4.77E-05	6.59E-06	2.57E-04	3.06E-05	2.64E-05	2.24E-06
709	437194.39	3725611.52	2.38E-04	5.17E-05	4.70E-05	6.49E-06	2.53E-04	3.01E-05	2.60E-05	2.20E-06
710	437164.01	3725563.6	2.17E-04	4.72E-05	4.29E-05	5.92E-06	2.31E-04	2.75E-05	2.37E-05	2.01E-06
711	437158.94	3725555.62	2.13E-04	4.63E-05	4.21E-05	5.82E-06	2.27E-04	2.70E-05	2.33E-05	1.97E-06
712	437153.88	3725547.63	2.10E-04	4.55E-05	4.14E-05	5.72E-06	2.23E-04	2.65E-05	2.29E-05	1.94E-06
713	437265.29	3725723.32	2.86E-04	6.21E-05	5.65E-05	7.80E-06	3.04E-04	3.62E-05	3.13E-05	2.64E-06
714	437294.85	3725748.44	3.15E-04	6.83E-05	6.21E-05	8.58E-06	3.34E-04	3.98E-05	3.44E-05	2.91E-06
715	437324.4	3725773.56	3.37E-04	7.33E-05	6.66E-05	9.20E-06	3.58E-04	4.27E-05	3.69E-05	3.12E-06
716	437331.79	3725779.84	3.42E-04	7.43E-05	6.76E-05	9.33E-06	3.63E-04	4.33E-05	3.74E-05	3.16E-06
717	437339.18	3725786.12	3.47E-04	7.54E-05	6.85E-05	9.46E-06	3.68E-04	4.39E-05	3.79E-05	3.21E-06
718	437346.57	3725792.4	3.51E-04	7.64E-05	6.94E-05	9.59E-06	3.73E-04	4.45E-05	3.84E-05	3.25E-06
719	437225.68	3725714.34	2.44E-04	5.30E-05	4.82E-05	6.66E-06	2.59E-04	3.09E-05	2.67E-05	2.26E-06
720	437220.63	3725706.39	2.41E-04	5.24E-05	4.76E-05	6.58E-06	2.56E-04	3.05E-05	2.64E-05	2.23E-06
721	437215.58	3725698.43	2.38E-04	5.17E-05	4.70E-05	6.50E-06	2.53E-04	3.01E-05	2.60E-05	2.20E-06
722	437210.54	3725690.47	2.35E-04	5.11E-05	4.64E-05	6.41E-06	2.50E-04	2.98E-05	2.57E-05	2.17E-06
723	437205.49	3725682.51	2.32E-04	5.04E-05	4.58E-05	6.33E-06	2.46E-04	2.94E-05	2.54E-05	2.15E-06
724	437200.44	3725674.55	2.29E-04	4.97E-05	4.52E-05	6.24E-06	2.43E-04	2.90E-05	2.50E-05	2.12E-06
725	437175.21	3725634.76	2.12E-04	4.62E-05	4.20E-05	5.80E-06	2.26E-04	2.69E-05	2.32E-05	1.97E-06
726	437170.16	3725626.8	2.09E-04	4.53E-05	4.12E-05	5.69E-06	2.22E-04	2.64E-05	2.28E-05	1.93E-06
727	437165.12	3725618.85	2.06E-04	4.48E-05	4.07E-05	5.62E-06	2.19E-04	2.61E-05	2.26E-05	1.91E-06
728	437160.07	3725610.89	2.03E-04	4.42E-05	4.02E-05	5.55E-06	2.16E-04	2.58E-05	2.23E-05	1.88E-06
729	437155.02	3725602.93	2.01E-04	4.36E-05	3.96E-05	5.47E-06	2.13E-04	2.54E-05	2.19E-05	1.86E-06
730	437149.97	3725594.97	1.98E-04	4.29E-05	3.90E-05	5.39E-06	2.10E-04	2.50E-05	2.16E-05	1.83E-06
731	437134.83	3725571.1	1.90E-04	4.12E-05	3.75E-05	5.18E-06	2.02E-04	2.40E-05	2.08E-05	1.75E-06
732	437129.79	3725563.14	1.87E-04	4.06E-05	3.69E-05	5.10E-06	1.99E-04	2.37E-05	2.04E-05	1.73E-06
733	437124.74	3725555.18	1.84E-04	4.00E-05	3.63E-05	5.02E-06	1.95E-04	2.33E-05	2.01E-05	1.70E-06
734	437245.86	3725746.18	2.55E-04	5.55E-05	5.05E-05	6.97E-06	2.71E-04	3.23E-05	2.79E-05	2.36E-06
735	437253.25	3725752.46	2.61E-04	5.67E-05	5.16E-05	7.12E-06	2.77E-04	3.31E-05	2.86E-05	2.41E-06
736	437260.64	3725758.74	2.67E-04	5.80E-05	5.27E-05	7.28E-06	2.83E-04	3.38E-05	2.92E-05	2.47E-06
737	437268.03	3725765.02	2.73E-04	5.93E-05	5.39E-05	7.45E-06	2.90E-04	3.46E-05	2.99E-05	2.52E-06
738	437275.42	3725771.3	2.79E-04	6.06E-05	5.51E-05	7.61E-06	2.96E-04	3.53E-05	3.05E-05	2.58E-06
739	437282.81	3725777.58	2.85E-04	6.19E-05	5.62E-05	7.77E-06	3.02E-04	3.61E-05	3.12E-05	2.63E-06
740	437312.37	3725802.7	3.03E-04	6.59E-05	5.99E-05	8.28E-06	3.22E-04	3.84E-05	3.32E-05	2.81E-06
741	437319.75	3725808.98	3.08E-04	6.70E-05	6.09E-05	8.41E-06	3.27E-04	3.90E-05	3.37E-05	2.85E-06
742	437327.14	3725815.26	3.12E-04	6.79E-05	6.17E-05	8.52E-06	3.32E-04	3.96E-05	3.42E-05	2.89E-06
743	437221.26	3725760.88	2.28E-04	4.95E-05	4.50E-05	6.22E-06	2.42E-04	2.88E-05	2.49E-05	2.11E-06
744	437216.09	3725752.72	2.25E-04	4.90E-05	4.45E-05	6.15E-06	2.39E-04	2.85E-05	2.47E-05	2.09E-06
745	437210.91	3725744.56	2.23E-04	4.84E-05	4.40E-05	6.08E-06	2.37E-04	2.82E-05	2.44E-05	2.06E-06
746	437205.74	3725736.4	2.20E-04	4.78E-05	4.35E-05	6.01E-06	2.34E-04	2.79E-05	2.41E-05	2.04E-06
747	437169.51	3725679.27	2.01E-04	4.36E-05	3.96E-05	5.47E-06	2.13E-04	2.54E-05	2.19E-05	1.86E-06
748	437164.34	3725671.11	1.98E-04	4.29E-05	3.90E-05	5.39E-06	2.10E-04	2.50E-05	2.16E-05	1.83E-06
749	437159.16	3725662.95	1.95E-04	4.23E-05	3.84E-05	5.31E-06	2.07E-04	2.46E-05	2.13E-05	1.80E-06
750	437153.99	3725654.79	1.92E-04	4.17E-05	3.79E-05	5.23E-06	2.04E-04	2.43E-05	2.10E-05	1.77E-06

751	437148.81	3725646.63	1.89E-04	4.10E-05	3.73E-05	5.15E-06	2.00E-04	2.39E-05	2.06E-05	1.75E-06
752	437143.64	3725638.47	1.86E-04	4.04E-05	3.67E-05	5.07E-06	1.97E-04	2.35E-05	2.03E-05	1.72E-06
753	437138.46	3725630.31	1.83E-04	3.98E-05	3.61E-05	4.99E-06	1.94E-04	2.32E-05	2.00E-05	1.69E-06
754	437133.29	3725622.15	1.80E-04	3.92E-05	3.56E-05	4.92E-06	1.92E-04	2.29E-05	1.97E-05	1.67E-06
755	437102.24	3725573.19	1.66E-04	3.61E-05	3.28E-05	4.53E-06	1.76E-04	2.10E-05	1.82E-05	1.54E-06
756	437307.72	3725838.12	2.78E-04	6.05E-05	5.50E-05	7.60E-06	2.96E-04	3.53E-05	3.05E-05	2.58E-06
757	437176.09	3725743.14	1.95E-04	4.23E-05	3.85E-05	5.31E-06	2.07E-04	2.47E-05	2.13E-05	1.80E-06
758	437170.94	3725735.02	1.92E-04	4.17E-05	3.79E-05	5.24E-06	2.04E-04	2.43E-05	2.10E-05	1.78E-06
759	437165.78	3725726.89	1.89E-04	4.12E-05	3.74E-05	5.17E-06	2.01E-04	2.40E-05	2.07E-05	1.75E-06
760	437160.63	3725718.77	1.87E-04	4.06E-05	3.69E-05	5.10E-06	1.98E-04	2.37E-05	2.04E-05	1.73E-06
761	437140.02	3725686.26	1.77E-04	3.84E-05	3.49E-05	4.82E-06	1.88E-04	2.24E-05	1.93E-05	1.63E-06
762	437134.87	3725678.14	1.74E-04	3.79E-05	3.45E-05	4.76E-06	1.85E-04	2.21E-05	1.91E-05	1.61E-06
763	437129.71	3725670.01	1.72E-04	3.74E-05	3.40E-05	4.70E-06	1.83E-04	2.18E-05	1.88E-05	1.59E-06
764	437098.8	3725621.26	1.59E-04	3.46E-05	3.15E-05	4.35E-06	1.69E-04	2.02E-05	1.74E-05	1.47E-06
765	437093.64	3725613.14	1.57E-04	3.41E-05	3.10E-05	4.29E-06	1.67E-04	1.99E-05	1.72E-05	1.45E-06
766	437088.49	3725605.01	1.55E-04	3.37E-05	3.06E-05	4.23E-06	1.65E-04	1.96E-05	1.70E-05	1.43E-06
767	437083.34	3725596.89	1.53E-04	3.33E-05	3.02E-05	4.18E-06	1.63E-04	1.94E-05	1.67E-05	1.42E-06
768	437176.02	3725814.36	1.82E-04	3.95E-05	3.59E-05	4.96E-06	1.93E-04	2.30E-05	1.99E-05	1.68E-06
769	437170.93	3725806.34	1.80E-04	3.91E-05	3.56E-05	4.92E-06	1.91E-04	2.28E-05	1.97E-05	1.67E-06
770	437165.85	3725798.32	1.78E-04	3.88E-05	3.52E-05	4.87E-06	1.89E-04	2.26E-05	1.95E-05	1.65E-06
771	437160.77	3725790.31	1.77E-04	3.84E-05	3.49E-05	4.82E-06	1.88E-04	2.24E-05	1.93E-05	1.63E-06
772	437155.68	3725782.29	1.75E-04	3.79E-05	3.45E-05	4.76E-06	1.85E-04	2.21E-05	1.91E-05	1.61E-06
773	437125.18	3725734.19	1.61E-04	3.50E-05	3.18E-05	4.39E-06	1.71E-04	2.04E-05	1.76E-05	1.49E-06
774	437120.09	3725726.17	1.59E-04	3.45E-05	3.14E-05	4.33E-06	1.69E-04	2.01E-05	1.74E-05	1.47E-06
775	437115.01	3725718.15	1.57E-04	3.40E-05	3.09E-05	4.27E-06	1.66E-04	1.98E-05	1.71E-05	1.45E-06
776	437109.92	3725710.14	1.55E-04	3.36E-05	3.05E-05	4.22E-06	1.64E-04	1.96E-05	1.69E-05	1.43E-06
777	437104.84	3725702.12	1.53E-04	3.32E-05	3.02E-05	4.17E-06	1.62E-04	1.94E-05	1.67E-05	1.41E-06
778	437099.76	3725694.1	1.51E-04	3.28E-05	2.99E-05	4.12E-06	1.61E-04	1.91E-05	1.65E-05	1.40E-06
779	437094.67	3725686.08	1.49E-04	3.25E-05	2.95E-05	4.08E-06	1.59E-04	1.89E-05	1.64E-05	1.38E-06
780	437089.59	3725678.07	1.48E-04	3.21E-05	2.92E-05	4.03E-06	1.57E-04	1.87E-05	1.62E-05	1.37E-06
781	437084.5	3725670.05	1.46E-04	3.18E-05	2.89E-05	3.99E-06	1.55E-04	1.85E-05	1.60E-05	1.35E-06
782	437079.42	3725662.03	1.45E-04	3.14E-05	2.86E-05	3.95E-06	1.54E-04	1.83E-05	1.58E-05	1.34E-06
783	437059.08	3725629.96	1.39E-04	3.02E-05	2.74E-05	3.79E-06	1.48E-04	1.76E-05	1.52E-05	1.28E-06
784	437054	3725621.95	1.37E-04	2.98E-05	2.71E-05	3.75E-06	1.46E-04	1.74E-05	1.50E-05	1.27E-06
785	437048.92	3725613.93	1.36E-04	2.95E-05	2.68E-05	3.71E-06	1.44E-04	1.72E-05	1.49E-05	1.26E-06
786	437181.1	3725822.37	1.84E-04	3.99E-05	3.63E-05	5.01E-06	1.95E-04	2.32E-05	2.01E-05	1.70E-06
787	437188.49	3725828.65	1.87E-04	4.06E-05	3.69E-05	5.10E-06	1.99E-04	2.37E-05	2.05E-05	1.73E-06
788	437195.88	3725834.93	1.90E-04	4.13E-05	3.76E-05	5.19E-06	2.02E-04	2.41E-05	2.08E-05	1.76E-06
789	437203.27	3725841.21	1.94E-04	4.21E-05	3.83E-05	5.28E-06	2.06E-04	2.45E-05	2.12E-05	1.79E-06
790	437210.66	3725847.49	1.97E-04	4.28E-05	3.89E-05	5.38E-06	2.09E-04	2.50E-05	2.16E-05	1.82E-06
791	437218.05	3725853.77	2.00E-04	4.35E-05	3.96E-05	5.47E-06	2.13E-04	2.54E-05	2.19E-05	1.85E-06
792	437225.44	3725860.05	2.03E-04	4.42E-05	4.02E-05	5.55E-06	2.16E-04	2.58E-05	2.23E-05	1.88E-06
793	437232.83	3725866.33	2.06E-04	4.49E-05	4.08E-05	5.63E-06	2.19E-04	2.61E-05	2.26E-05	1.91E-06
794	437240.22	3725872.61	2.09E-04	4.55E-05	4.13E-05	5.71E-06	2.22E-04	2.65E-05	2.29E-05	1.94E-06
795	437247.6	3725878.89	2.12E-04	4.61E-05	4.19E-05	5.79E-06	2.25E-04	2.69E-05	2.32E-05	1.96E-06
796	437254.99	3725885.17	2.15E-04	4.67E-05	4.25E-05	5.86E-06	2.28E-04	2.72E-05	2.35E-05	1.99E-06
797	437262.38	3725891.45	2.18E-04	4.73E-05	4.30E-05	5.94E-06	2.31E-04	2.76E-05	2.38E-05	2.01E-06
798	437150.05	3725844.74	1.62E-04	3.52E-05	3.20E-05	4.42E-06	1.72E-04	2.05E-05	1.77E-05	1.50E-06
799	437144.91	3725836.63	1.61E-04	3.49E-05	3.17E-05	4.38E-06	1.71E-04	2.03E-05	1.76E-05	1.49E-06
800	437119.19	3725796.07	1.52E-04	3.30E-05	3.00E-05	4.14E-06	1.61E-04	1.92E-05	1.66E-05	1.40E-06
801	437114.04	3725787.95	1.50E-04	3.26E-05	2.96E-05	4.09E-06	1.59E-04	1.90E-05	1.64E-05	1.39E-06
802	437108.9	3725779.84	1.48E-04	3.21E-05	2.92E-05	4.03E-06	1.57E-04	1.87E-05	1.62E-05	1.37E-06
803	437103.75	3725771.73	1.46E-04	3.17E-05	2.88E-05	3.97E-06	1.55E-04	1.84E-05	1.59E-05	1.35E-06
804	437072.88	3725723.05	1.35E-04	2.93E-05	2.67E-05	3.68E-06	1.43E-04	1.71E-05	1.48E-05	1.25E-06
805	437052.31	3725690.6	1.30E-04	2.83E-05	2.57E-05	3.55E-06	1.38E-04	1.65E-05	1.42E-05	1.20E-06
806	437047.16	3725682.49	1.29E-04	2.80E-05	2.55E-05	3.52E-06	1.37E-04	1.63E-05	1.41E-05	1.19E-06
807	437042.02	3725674.38	1.28E-04	2.78E-05	2.53E-05	3.49E-06	1.36E-04	1.62E-05	1.40E-05	1.18E-06
808	437036.87	3725666.27	1.27E-04	2.75E-05	2.50E-05	3.46E-06	1.35E-04	1.61E-05	1.39E-05	1.17E-06

809	437031.73	3725658.15	1.26E-04	2.73E-05	2.48E-05	3.43E-06	1.33E-04	1.59E-05	1.37E-05	1.16E-06
810	437026.58	3725650.04	1.24E-04	2.70E-05	2.45E-05	3.39E-06	1.32E-04	1.57E-05	1.36E-05	1.15E-06
811	437155.2	3725852.85	1.63E-04	3.55E-05	3.23E-05	4.46E-06	1.74E-04	2.07E-05	1.79E-05	1.51E-06
812	437162.59	3725859.13	1.66E-04	3.61E-05	3.28E-05	4.54E-06	1.77E-04	2.11E-05	1.82E-05	1.54E-06
813	437169.98	3725865.41	1.69E-04	3.67E-05	3.34E-05	4.61E-06	1.80E-04	2.14E-05	1.85E-05	1.56E-06
814	437177.37	3725871.69	1.72E-04	3.74E-05	3.40E-05	4.69E-06	1.83E-04	2.18E-05	1.88E-05	1.59E-06
815	437184.76	3725877.97	1.75E-04	3.80E-05	3.45E-05	4.77E-06	1.86E-04	2.21E-05	1.91E-05	1.62E-06
816	437192.14	3725884.25	1.77E-04	3.86E-05	3.50E-05	4.84E-06	1.88E-04	2.25E-05	1.94E-05	1.64E-06
817	437199.53	3725890.53	1.80E-04	3.91E-05	3.56E-05	4.91E-06	1.91E-04	2.28E-05	1.97E-05	1.67E-06
818	437206.92	3725896.81	1.83E-04	3.97E-05	3.60E-05	4.98E-06	1.94E-04	2.31E-05	2.00E-05	1.69E-06
819	437214.31	3725903.09	1.85E-04	4.02E-05	3.65E-05	5.05E-06	1.96E-04	2.34E-05	2.02E-05	1.71E-06
820	437221.7	3725909.37	1.87E-04	4.07E-05	3.70E-05	5.11E-06	1.99E-04	2.37E-05	2.05E-05	1.73E-06
821	437229.09	3725915.65	1.90E-04	4.12E-05	3.75E-05	5.18E-06	2.02E-04	2.40E-05	2.08E-05	1.75E-06
822	437236.48	3725921.93	1.92E-04	4.18E-05	3.80E-05	5.24E-06	2.04E-04	2.43E-05	2.10E-05	1.78E-06
823	437124.21	3725875.32	1.45E-04	3.16E-05	2.87E-05	3.97E-06	1.55E-04	1.84E-05	1.59E-05	1.35E-06
824	437119.13	3725867.3	1.44E-04	3.14E-05	2.85E-05	3.94E-06	1.53E-04	1.83E-05	1.58E-05	1.34E-06
825	437114.04	3725859.28	1.43E-04	3.11E-05	2.83E-05	3.91E-06	1.52E-04	1.81E-05	1.57E-05	1.32E-06
826	437108.96	3725851.26	1.42E-04	3.08E-05	2.80E-05	3.87E-06	1.51E-04	1.80E-05	1.55E-05	1.31E-06
827	437103.87	3725843.25	1.40E-04	3.05E-05	2.77E-05	3.83E-06	1.49E-04	1.78E-05	1.54E-05	1.30E-06
828	437098.79	3725835.23	1.39E-04	3.02E-05	2.74E-05	3.79E-06	1.47E-04	1.76E-05	1.52E-05	1.28E-06
829	437093.71	3725827.21	1.37E-04	2.98E-05	2.71E-05	3.74E-06	1.46E-04	1.73E-05	1.50E-05	1.27E-06
830	437088.62	3725819.2	1.35E-04	2.94E-05	2.67E-05	3.69E-06	1.44E-04	1.71E-05	1.48E-05	1.25E-06
831	437027.61	3725722.99	1.20E-04	2.60E-05	2.37E-05	3.27E-06	1.27E-04	1.52E-05	1.31E-05	1.11E-06
832	437022.53	3725714.97	1.19E-04	2.58E-05	2.35E-05	3.24E-06	1.26E-04	1.51E-05	1.30E-05	1.10E-06
833	437017.44	3725706.96	1.18E-04	2.56E-05	2.33E-05	3.21E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
834	437012.36	3725698.94	1.17E-04	2.54E-05	2.31E-05	3.19E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
835	437007.28	3725690.92	1.16E-04	2.51E-05	2.28E-05	3.16E-06	1.23E-04	1.46E-05	1.27E-05	1.07E-06
836	437002.19	3725682.91	1.15E-04	2.49E-05	2.27E-05	3.13E-06	1.22E-04	1.45E-05	1.25E-05	1.06E-06
837	436997.11	3725674.89	1.14E-04	2.47E-05	2.25E-05	3.10E-06	1.21E-04	1.44E-05	1.24E-05	1.05E-06
838	436992.02	3725666.87	1.13E-04	2.45E-05	2.22E-05	3.07E-06	1.20E-04	1.43E-05	1.23E-05	1.04E-06
839	436986.94	3725658.85	1.12E-04	2.43E-05	2.20E-05	3.05E-06	1.19E-04	1.41E-05	1.22E-05	1.03E-06
840	436981.85	3725650.84	1.11E-04	2.40E-05	2.18E-05	3.02E-06	1.17E-04	1.40E-05	1.21E-05	1.02E-06
841	436936.1	3725578.68	9.98E-05	2.17E-05	1.97E-05	2.72E-06	1.06E-04	1.26E-05	1.09E-05	9.23E-07
842	436931.01	3725570.67	9.87E-05	2.14E-05	1.95E-05	2.69E-06	1.05E-04	1.25E-05	1.08E-05	9.13E-07
843	437129.29	3725883.33	1.47E-04	3.19E-05	2.90E-05	4.00E-06	1.56E-04	1.86E-05	1.60E-05	1.36E-06
844	437136.68	3725889.61	1.49E-04	3.24E-05	2.94E-05	4.07E-06	1.58E-04	1.89E-05	1.63E-05	1.38E-06
845	437144.07	3725895.89	1.51E-04	3.29E-05	2.99E-05	4.13E-06	1.61E-04	1.92E-05	1.66E-05	1.40E-06
846	437151.46	3725902.17	1.54E-04	3.34E-05	3.04E-05	4.20E-06	1.64E-04	1.95E-05	1.68E-05	1.42E-06
847	437158.85	3725908.45	1.56E-04	3.40E-05	3.09E-05	4.27E-06	1.66E-04	1.98E-05	1.71E-05	1.45E-06
848	437166.24	3725914.73	1.59E-04	3.45E-05	3.13E-05	4.33E-06	1.69E-04	2.01E-05	1.74E-05	1.47E-06
849	437173.63	3725921.01	1.61E-04	3.50E-05	3.18E-05	4.39E-06	1.71E-04	2.04E-05	1.76E-05	1.49E-06
850	437181.02	3725927.29	1.63E-04	3.54E-05	3.22E-05	4.45E-06	1.73E-04	2.07E-05	1.78E-05	1.51E-06
851	437188.41	3725933.57	1.65E-04	3.59E-05	3.26E-05	4.51E-06	1.75E-04	2.09E-05	1.81E-05	1.53E-06
852	437195.8	3725939.85	1.67E-04	3.63E-05	3.30E-05	4.56E-06	1.78E-04	2.12E-05	1.83E-05	1.55E-06
853	437203.19	3725946.13	1.69E-04	3.68E-05	3.34E-05	4.62E-06	1.80E-04	2.14E-05	1.85E-05	1.57E-06
854	437210.57	3725952.41	1.71E-04	3.72E-05	3.39E-05	4.68E-06	1.82E-04	2.17E-05	1.88E-05	1.59E-06
855	437098.25	3725905.71	1.32E-04	2.86E-05	2.60E-05	3.59E-06	1.40E-04	1.67E-05	1.44E-05	1.22E-06
856	437093.11	3725897.61	1.30E-04	2.83E-05	2.58E-05	3.56E-06	1.39E-04	1.65E-05	1.43E-05	1.21E-06
857	437087.98	3725889.5	1.29E-04	2.81E-05	2.55E-05	3.53E-06	1.37E-04	1.64E-05	1.41E-05	1.20E-06
858	437082.84	3725881.4	1.28E-04	2.78E-05	2.53E-05	3.49E-06	1.36E-04	1.62E-05	1.40E-05	1.18E-06
859	437077.7	3725873.3	1.27E-04	2.76E-05	2.50E-05	3.46E-06	1.35E-04	1.61E-05	1.39E-05	1.17E-06
860	437072.56	3725865.2	1.26E-04	2.73E-05	2.48E-05	3.43E-06	1.33E-04	1.59E-05	1.37E-05	1.16E-06
861	437067.42	3725857.1	1.24E-04	2.70E-05	2.46E-05	3.40E-06	1.32E-04	1.58E-05	1.36E-05	1.15E-06
862	437062.28	3725848.99	1.23E-04	2.68E-05	2.44E-05	3.36E-06	1.31E-04	1.56E-05	1.35E-05	1.14E-06
863	437057.15	3725840.89	1.22E-04	2.65E-05	2.41E-05	3.33E-06	1.30E-04	1.55E-05	1.34E-05	1.13E-06
864	437052.01	3725832.79	1.21E-04	2.63E-05	2.39E-05	3.30E-06	1.28E-04	1.53E-05	1.32E-05	1.12E-06
865	437046.87	3725824.69	1.20E-04	2.60E-05	2.36E-05	3.26E-06	1.27E-04	1.51E-05	1.31E-05	1.11E-06
866	437041.73	3725816.58	1.18E-04	2.57E-05	2.34E-05	3.23E-06	1.26E-04	1.50E-05	1.29E-05	1.09E-06

867	437036.59	3725808.48	1.17E-04	2.54E-05	2.31E-05	3.19E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
868	437031.46	3725800.38	1.16E-04	2.52E-05	2.29E-05	3.16E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06
869	437026.32	3725792.28	1.15E-04	2.49E-05	2.27E-05	3.13E-06	1.22E-04	1.45E-05	1.26E-05	1.06E-06
870	437021.18	3725784.17	1.14E-04	2.47E-05	2.25E-05	3.10E-06	1.21E-04	1.44E-05	1.24E-05	1.05E-06
871	437016.04	3725776.07	1.13E-04	2.45E-05	2.23E-05	3.08E-06	1.20E-04	1.43E-05	1.23E-05	1.04E-06
872	437010.9	3725767.97	1.12E-04	2.44E-05	2.22E-05	3.06E-06	1.19E-04	1.42E-05	1.23E-05	1.04E-06
873	437005.76	3725759.87	1.12E-04	2.42E-05	2.20E-05	3.04E-06	1.18E-04	1.41E-05	1.22E-05	1.03E-06
874	436974.93	3725711.25	1.07E-04	2.32E-05	2.11E-05	2.91E-06	1.13E-04	1.35E-05	1.17E-05	9.86E-07
875	436969.8	3725703.15	1.06E-04	2.30E-05	2.09E-05	2.89E-06	1.12E-04	1.34E-05	1.16E-05	9.78E-07
876	436964.66	3725695.05	1.05E-04	2.28E-05	2.07E-05	2.86E-06	1.11E-04	1.33E-05	1.15E-05	9.70E-07
877	436959.52	3725686.94	1.04E-04	2.26E-05	2.05E-05	2.84E-06	1.10E-04	1.32E-05	1.14E-05	9.61E-07
878	436954.38	3725678.84	1.03E-04	2.24E-05	2.04E-05	2.81E-06	1.10E-04	1.31E-05	1.13E-05	9.54E-07
879	436903	3725597.82	9.13E-05	1.98E-05	1.80E-05	2.49E-06	9.70E-05	1.16E-05	9.99E-06	8.44E-07
880	436897.86	3725589.72	9.03E-05	1.96E-05	1.78E-05	2.46E-06	9.59E-05	1.14E-05	9.88E-06	8.35E-07
881	436892.72	3725581.61	8.92E-05	1.94E-05	1.76E-05	2.43E-06	9.48E-05	1.13E-05	9.76E-06	8.25E-07
882	436887.58	3725573.51	8.82E-05	1.92E-05	1.74E-05	2.41E-06	9.37E-05	1.12E-05	9.65E-06	8.16E-07
883	437103.39	3725913.81	1.33E-04	2.88E-05	2.62E-05	3.62E-06	1.41E-04	1.68E-05	1.45E-05	1.23E-06
884	437110.78	3725920.09	1.35E-04	2.93E-05	2.66E-05	3.67E-06	1.43E-04	1.70E-05	1.47E-05	1.25E-06
885	437118.17	3725926.37	1.37E-04	2.97E-05	2.70E-05	3.73E-06	1.45E-04	1.73E-05	1.50E-05	1.27E-06
886	437125.56	3725932.65	1.39E-04	3.02E-05	2.74E-05	3.79E-06	1.48E-04	1.76E-05	1.52E-05	1.28E-06
887	437132.95	3725938.93	1.41E-04	3.06E-05	2.78E-05	3.84E-06	1.50E-04	1.78E-05	1.54E-05	1.30E-06
888	437140.34	3725945.21	1.43E-04	3.10E-05	2.82E-05	3.90E-06	1.52E-04	1.81E-05	1.56E-05	1.32E-06
889	437147.72	3725951.49	1.45E-04	3.14E-05	2.86E-05	3.94E-06	1.54E-04	1.83E-05	1.58E-05	1.34E-06
890	437155.11	3725957.77	1.46E-04	3.18E-05	2.89E-05	3.99E-06	1.55E-04	1.85E-05	1.60E-05	1.35E-06
891	437162.5	3725964.05	1.48E-04	3.22E-05	2.93E-05	4.04E-06	1.57E-04	1.88E-05	1.62E-05	1.37E-06
892	437169.89	3725970.33	1.50E-04	3.26E-05	2.96E-05	4.09E-06	1.59E-04	1.90E-05	1.64E-05	1.39E-06
893	437177.28	3725976.61	1.51E-04	3.29E-05	2.99E-05	4.13E-06	1.61E-04	1.92E-05	1.66E-05	1.40E-06
894	437184.67	3725982.89	1.53E-04	3.32E-05	3.02E-05	4.18E-06	1.63E-04	1.94E-05	1.67E-05	1.42E-06
895	437072.3	3725936.11	1.21E-04	2.63E-05	2.39E-05	3.30E-06	1.29E-04	1.53E-05	1.32E-05	1.12E-06
896	437067.11	3725927.93	1.20E-04	2.61E-05	2.37E-05	3.28E-06	1.28E-04	1.52E-05	1.31E-05	1.11E-06
897	437061.92	3725919.75	1.19E-04	2.59E-05	2.35E-05	3.25E-06	1.27E-04	1.51E-05	1.30E-05	1.10E-06
898	437056.73	3725911.57	1.18E-04	2.57E-05	2.33E-05	3.22E-06	1.26E-04	1.50E-05	1.29E-05	1.09E-06
899	437051.55	3725903.39	1.17E-04	2.54E-05	2.31E-05	3.19E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
900	437046.36	3725895.21	1.16E-04	2.52E-05	2.29E-05	3.17E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06
901	437041.17	3725887.03	1.15E-04	2.50E-05	2.27E-05	3.14E-06	1.22E-04	1.46E-05	1.26E-05	1.06E-06
902	437035.98	3725878.85	1.14E-04	2.48E-05	2.25E-05	3.11E-06	1.21E-04	1.44E-05	1.25E-05	1.05E-06
903	437030.79	3725870.66	1.13E-04	2.45E-05	2.23E-05	3.08E-06	1.20E-04	1.43E-05	1.24E-05	1.04E-06
904	437025.61	3725862.48	1.12E-04	2.43E-05	2.21E-05	3.05E-06	1.19E-04	1.42E-05	1.22E-05	1.03E-06
905	437020.42	3725854.3	1.11E-04	2.41E-05	2.19E-05	3.02E-06	1.18E-04	1.40E-05	1.21E-05	1.02E-06
906	437015.23	3725846.12	1.10E-04	2.38E-05	2.17E-05	2.99E-06	1.17E-04	1.39E-05	1.20E-05	1.01E-06
907	437010.04	3725837.94	1.09E-04	2.36E-05	2.15E-05	2.97E-06	1.16E-04	1.38E-05	1.19E-05	1.01E-06
908	437004.86	3725829.76	1.08E-04	2.35E-05	2.13E-05	2.95E-06	1.15E-04	1.37E-05	1.18E-05	9.99E-07
909	436999.67	3725821.58	1.07E-04	2.33E-05	2.12E-05	2.93E-06	1.14E-04	1.36E-05	1.17E-05	9.92E-07
910	436994.48	3725813.4	1.07E-04	2.32E-05	2.11E-05	2.91E-06	1.13E-04	1.35E-05	1.17E-05	9.87E-07
911	436989.29	3725805.22	1.06E-04	2.31E-05	2.10E-05	2.90E-06	1.13E-04	1.34E-05	1.16E-05	9.82E-07
912	436984.1	3725797.04	1.05E-04	2.29E-05	2.08E-05	2.87E-06	1.12E-04	1.33E-05	1.15E-05	9.73E-07
913	436978.92	3725788.86	1.04E-04	2.27E-05	2.06E-05	2.85E-06	1.11E-04	1.32E-05	1.14E-05	9.65E-07
914	436973.73	3725780.68	1.03E-04	2.25E-05	2.04E-05	2.82E-06	1.10E-04	1.31E-05	1.13E-05	9.56E-07
915	436968.54	3725772.5	1.03E-04	2.23E-05	2.03E-05	2.80E-06	1.09E-04	1.30E-05	1.12E-05	9.48E-07
916	436963.35	3725764.32	1.02E-04	2.21E-05	2.01E-05	2.78E-06	1.08E-04	1.29E-05	1.11E-05	9.42E-07
917	436958.16	3725756.13	1.01E-04	2.20E-05	2.00E-05	2.76E-06	1.07E-04	1.28E-05	1.11E-05	9.34E-07
918	436927.04	3725707.05	9.67E-05	2.10E-05	1.91E-05	2.64E-06	1.03E-04	1.22E-05	1.06E-05	8.94E-07
919	436921.85	3725698.87	9.62E-05	2.09E-05	1.90E-05	2.63E-06	1.02E-04	1.22E-05	1.05E-05	8.90E-07
920	436875.16	3725625.24	8.52E-05	1.85E-05	1.68E-05	2.32E-06	9.05E-05	1.08E-05	9.32E-06	7.88E-07
921	436869.97	3725617.06	8.42E-05	1.83E-05	1.66E-05	2.30E-06	8.95E-05	1.07E-05	9.22E-06	7.79E-07
922	436864.78	3725608.88	8.34E-05	1.81E-05	1.65E-05	2.28E-06	8.86E-05	1.06E-05	9.13E-06	7.72E-07
923	436859.59	3725600.7	8.26E-05	1.79E-05	1.63E-05	2.25E-06	8.77E-05	1.05E-05	9.04E-06	7.64E-07
924	436854.41	3725592.52	8.17E-05	1.78E-05	1.61E-05	2.23E-06	8.68E-05	1.03E-05	8.94E-06	7.56E-07

925	436849.22	3725584.34	8.08E-05	1.76E-05	1.60E-05	2.21E-06	8.59E-05	1.02E-05	8.84E-06	7.48E-07
926	436844.03	3725576.16	7.99E-05	1.74E-05	1.58E-05	2.18E-06	8.49E-05	1.01E-05	8.74E-06	7.39E-07
927	436838.84	3725567.98	7.90E-05	1.72E-05	1.56E-05	2.16E-06	8.40E-05	1.00E-05	8.65E-06	7.31E-07
928	437077.49	3725944.29	1.22E-04	2.65E-05	2.41E-05	3.33E-06	1.30E-04	1.55E-05	1.34E-05	1.13E-06
929	437084.88	3725950.57	1.24E-04	2.69E-05	2.44E-05	3.38E-06	1.31E-04	1.57E-05	1.35E-05	1.14E-06
930	437092.26	3725956.85	1.25E-04	2.72E-05	2.48E-05	3.42E-06	1.33E-04	1.59E-05	1.37E-05	1.16E-06
931	437099.65	3725963.13	1.27E-04	2.76E-05	2.51E-05	3.47E-06	1.35E-04	1.61E-05	1.39E-05	1.17E-06
932	437107.04	3725969.41	1.29E-04	2.79E-05	2.54E-05	3.51E-06	1.37E-04	1.63E-05	1.41E-05	1.19E-06
933	437114.43	3725975.69	1.30E-04	2.82E-05	2.57E-05	3.55E-06	1.38E-04	1.65E-05	1.42E-05	1.20E-06
934	437121.82	3725981.97	1.31E-04	2.85E-05	2.59E-05	3.58E-06	1.40E-04	1.66E-05	1.44E-05	1.22E-06
935	437129.21	3725988.25	1.33E-04	2.88E-05	2.62E-05	3.62E-06	1.41E-04	1.68E-05	1.45E-05	1.23E-06
936	437136.6	3725994.53	1.34E-04	2.91E-05	2.65E-05	3.66E-06	1.42E-04	1.70E-05	1.47E-05	1.24E-06
937	437143.99	3726000.81	1.36E-04	2.94E-05	2.68E-05	3.70E-06	1.44E-04	1.72E-05	1.48E-05	1.25E-06
938	437151.38	3726007.09	1.37E-04	2.98E-05	2.71E-05	3.74E-06	1.46E-04	1.74E-05	1.50E-05	1.27E-06
939	437158.77	3726013.37	1.39E-04	3.01E-05	2.74E-05	3.78E-06	1.47E-04	1.76E-05	1.52E-05	1.28E-06
940	437046.45	3725966.68	1.15E-04	2.50E-05	2.27E-05	3.14E-06	1.22E-04	1.46E-05	1.26E-05	1.06E-06
941	437041.32	3725958.58	1.14E-04	2.48E-05	2.25E-05	3.11E-06	1.21E-04	1.45E-05	1.25E-05	1.06E-06
942	437036.18	3725950.49	1.13E-04	2.46E-05	2.23E-05	3.08E-06	1.20E-04	1.43E-05	1.24E-05	1.05E-06
943	437031.05	3725942.39	1.12E-04	2.43E-05	2.21E-05	3.06E-06	1.19E-04	1.42E-05	1.22E-05	1.04E-06
944	437025.92	3725934.3	1.11E-04	2.41E-05	2.19E-05	3.03E-06	1.18E-04	1.40E-05	1.21E-05	1.03E-06
945	437020.78	3725926.2	1.10E-04	2.39E-05	2.17E-05	3.00E-06	1.17E-04	1.39E-05	1.20E-05	1.02E-06
946	437015.65	3725918.11	1.09E-04	2.37E-05	2.15E-05	2.97E-06	1.16E-04	1.38E-05	1.19E-05	1.01E-06
947	437010.52	3725910.02	1.08E-04	2.34E-05	2.13E-05	2.94E-06	1.14E-04	1.36E-05	1.18E-05	9.97E-07
948	437005.38	3725901.92	1.07E-04	2.32E-05	2.11E-05	2.91E-06	1.13E-04	1.35E-05	1.17E-05	9.87E-07
949	437000.25	3725893.83	1.06E-04	2.30E-05	2.09E-05	2.88E-06	1.12E-04	1.34E-05	1.16E-05	9.78E-07
950	436995.12	3725885.73	1.05E-04	2.28E-05	2.07E-05	2.86E-06	1.11E-04	1.33E-05	1.15E-05	9.69E-07
951	436989.99	3725877.64	1.04E-04	2.26E-05	2.05E-05	2.83E-06	1.10E-04	1.31E-05	1.14E-05	9.60E-07
952	436984.85	3725869.55	1.03E-04	2.23E-05	2.03E-05	2.80E-06	1.09E-04	1.30E-05	1.12E-05	9.51E-07
953	436979.72	3725861.45	1.02E-04	2.21E-05	2.01E-05	2.78E-06	1.08E-04	1.29E-05	1.11E-05	9.43E-07
954	436974.59	3725853.36	1.01E-04	2.20E-05	2.00E-05	2.76E-06	1.07E-04	1.28E-05	1.11E-05	9.35E-07
955	436969.45	3725845.26	1.00E-04	2.18E-05	1.98E-05	2.74E-06	1.06E-04	1.27E-05	1.10E-05	9.27E-07
956	436964.32	3725837.17	9.94E-05	2.16E-05	1.96E-05	2.71E-06	1.06E-04	1.26E-05	1.09E-05	9.20E-07
957	436959.19	3725829.07	9.88E-05	2.15E-05	1.95E-05	2.70E-06	1.05E-04	1.25E-05	1.08E-05	9.14E-07
958	436954.05	3725820.98	9.82E-05	2.13E-05	1.94E-05	2.68E-06	1.04E-04	1.24E-05	1.07E-05	9.08E-07
959	436948.92	3725812.89	9.75E-05	2.12E-05	1.93E-05	2.66E-06	1.04E-04	1.23E-05	1.07E-05	9.02E-07
960	436943.79	3725804.79	9.68E-05	2.10E-05	1.91E-05	2.64E-06	1.03E-04	1.23E-05	1.06E-05	8.96E-07
961	436938.66	3725796.7	9.60E-05	2.09E-05	1.90E-05	2.62E-06	1.02E-04	1.22E-05	1.05E-05	8.88E-07
962	436933.52	3725788.6	9.52E-05	2.07E-05	1.88E-05	2.60E-06	1.01E-04	1.21E-05	1.04E-05	8.80E-07
963	436928.39	3725780.51	9.45E-05	2.05E-05	1.87E-05	2.58E-06	1.00E-04	1.20E-05	1.03E-05	8.74E-07
964	436923.26	3725772.42	9.38E-05	2.04E-05	1.85E-05	2.56E-06	9.96E-05	1.19E-05	1.03E-05	8.67E-07
965	436918.12	3725764.32	9.32E-05	2.02E-05	1.84E-05	2.54E-06	9.90E-05	1.18E-05	1.02E-05	8.62E-07
966	436912.99	3725756.23	9.26E-05	2.01E-05	1.83E-05	2.53E-06	9.83E-05	1.17E-05	1.01E-05	8.56E-07
967	436841.13	3725642.91	8.00E-05	1.74E-05	1.58E-05	2.18E-06	8.50E-05	1.01E-05	8.75E-06	7.40E-07
968	436835.99	3725634.81	7.89E-05	1.71E-05	1.56E-05	2.15E-06	8.38E-05	9.99E-06	8.63E-06	7.30E-07
969	436830.86	3725626.72	7.79E-05	1.69E-05	1.54E-05	2.13E-06	8.28E-05	9.87E-06	8.52E-06	7.21E-07
970	436825.73	3725618.63	7.72E-05	1.68E-05	1.52E-05	2.11E-06	8.20E-05	9.77E-06	8.44E-06	7.14E-07
971	436820.6	3725610.53	7.65E-05	1.66E-05	1.51E-05	2.09E-06	8.12E-05	9.68E-06	8.36E-06	7.07E-07
972	436815.46	3725602.44	7.57E-05	1.65E-05	1.50E-05	2.07E-06	8.04E-05	9.59E-06	8.28E-06	7.00E-07
973	437051.58	3725974.77	1.16E-04	2.52E-05	2.29E-05	3.16E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06
974	437058.97	3725981.05	1.17E-04	2.55E-05	2.32E-05	3.20E-06	1.25E-04	1.48E-05	1.28E-05	1.08E-06
975	437066.36	3725987.33	1.18E-04	2.57E-05	2.34E-05	3.23E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
976	437073.75	3725993.61	1.20E-04	2.60E-05	2.36E-05	3.26E-06	1.27E-04	1.52E-05	1.31E-05	1.11E-06
977	437081.14	3725999.89	1.21E-04	2.62E-05	2.39E-05	3.30E-06	1.28E-04	1.53E-05	1.32E-05	1.12E-06
978	437088.53	3726006.17	1.22E-04	2.65E-05	2.41E-05	3.32E-06	1.29E-04	1.54E-05	1.33E-05	1.13E-06
979	437095.92	3726012.45	1.23E-04	2.67E-05	2.43E-05	3.35E-06	1.31E-04	1.56E-05	1.34E-05	1.14E-06
980	437103.31	3726018.73	1.24E-04	2.69E-05	2.45E-05	3.38E-06	1.32E-04	1.57E-05	1.36E-05	1.15E-06
981	437110.69	3726025.01	1.25E-04	2.71E-05	2.47E-05	3.41E-06	1.33E-04	1.58E-05	1.37E-05	1.16E-06
982	437118.08	3726031.29	1.26E-04	2.74E-05	2.49E-05	3.44E-06	1.34E-04	1.60E-05	1.38E-05	1.17E-06

983	437125.47	3726037.57	1.27E-04	2.76E-05	2.51E-05	3.47E-06	1.35E-04	1.61E-05	1.39E-05	1.18E-06
984	437132.86	3726043.85	1.28E-04	2.79E-05	2.54E-05	3.50E-06	1.36E-04	1.63E-05	1.40E-05	1.19E-06
985	437020.5	3725997.08	1.09E-04	2.36E-05	2.15E-05	2.97E-06	1.16E-04	1.38E-05	1.19E-05	1.01E-06
986	437015.32	3725988.92	1.08E-04	2.35E-05	2.14E-05	2.96E-06	1.15E-04	1.37E-05	1.19E-05	1.00E-06
987	437010.14	3725980.75	1.07E-04	2.33E-05	2.12E-05	2.93E-06	1.14E-04	1.36E-05	1.18E-05	9.94E-07
988	437004.96	3725972.59	1.06E-04	2.31E-05	2.10E-05	2.90E-06	1.13E-04	1.35E-05	1.16E-05	9.84E-07
989	436999.79	3725964.42	1.06E-04	2.29E-05	2.08E-05	2.88E-06	1.12E-04	1.34E-05	1.15E-05	9.76E-07
990	436994.61	3725956.26	1.05E-04	2.27E-05	2.07E-05	2.85E-06	1.11E-04	1.32E-05	1.14E-05	9.67E-07
991	436989.43	3725948.09	1.04E-04	2.25E-05	2.05E-05	2.83E-06	1.10E-04	1.31E-05	1.13E-05	9.58E-07
992	436984.25	3725939.92	1.03E-04	2.23E-05	2.03E-05	2.80E-06	1.09E-04	1.30E-05	1.12E-05	9.49E-07
993	436979.07	3725931.76	1.02E-04	2.21E-05	2.01E-05	2.77E-06	1.08E-04	1.29E-05	1.11E-05	9.40E-07
994	436973.89	3725923.59	1.01E-04	2.19E-05	1.99E-05	2.75E-06	1.07E-04	1.27E-05	1.10E-05	9.31E-07
995	436968.72	3725915.43	9.96E-05	2.16E-05	1.97E-05	2.72E-06	1.06E-04	1.26E-05	1.09E-05	9.21E-07
996	436963.54	3725907.26	9.87E-05	2.14E-05	1.95E-05	2.69E-06	1.05E-04	1.25E-05	1.08E-05	9.13E-07
997	436958.36	3725899.1	9.78E-05	2.13E-05	1.93E-05	2.67E-06	1.04E-04	1.24E-05	1.07E-05	9.05E-07
998	436953.18	3725890.93	9.68E-05	2.10E-05	1.91E-05	2.64E-06	1.03E-04	1.23E-05	1.06E-05	8.95E-07
999	436948	3725882.77	9.57E-05	2.08E-05	1.89E-05	2.61E-06	1.02E-04	1.21E-05	1.05E-05	8.85E-07
1000	436942.82	3725874.6	9.48E-05	2.06E-05	1.87E-05	2.59E-06	1.01E-04	1.20E-05	1.04E-05	8.76E-07
1001	436937.65	3725866.43	9.38E-05	2.04E-05	1.85E-05	2.56E-06	9.96E-05	1.19E-05	1.03E-05	8.67E-07
1002	436932.47	3725858.27	9.30E-05	2.02E-05	1.84E-05	2.54E-06	9.87E-05	1.18E-05	1.02E-05	8.60E-07
1003	436927.29	3725850.1	9.21E-05	2.00E-05	1.82E-05	2.51E-06	9.78E-05	1.17E-05	1.01E-05	8.52E-07
1004	436922.11	3725841.94	9.12E-05	1.98E-05	1.80E-05	2.49E-06	9.69E-05	1.15E-05	9.98E-06	8.44E-07
1005	436916.93	3725833.77	9.03E-05	1.96E-05	1.78E-05	2.46E-06	9.59E-05	1.14E-05	9.88E-06	8.35E-07
1006	436911.76	3725825.61	8.97E-05	1.95E-05	1.77E-05	2.45E-06	9.53E-05	1.14E-05	9.82E-06	8.30E-07
1007	436906.58	3725817.44	8.92E-05	1.94E-05	1.76E-05	2.43E-06	9.48E-05	1.13E-05	9.76E-06	8.25E-07
1008	436901.4	3725809.28	8.87E-05	1.93E-05	1.75E-05	2.42E-06	9.42E-05	1.12E-05	9.71E-06	8.21E-07
1009	436896.22	3725801.11	8.81E-05	1.91E-05	1.74E-05	2.40E-06	9.36E-05	1.12E-05	9.64E-06	8.15E-07
1010	436891.04	3725792.94	8.76E-05	1.90E-05	1.73E-05	2.39E-06	9.30E-05	1.11E-05	9.58E-06	8.10E-07
1011	436885.86	3725784.78	8.69E-05	1.89E-05	1.72E-05	2.37E-06	9.23E-05	1.10E-05	9.51E-06	8.04E-07
1012	436880.69	3725776.61	8.63E-05	1.88E-05	1.71E-05	2.36E-06	9.17E-05	1.09E-05	9.45E-06	7.99E-07
1013	436875.51	3725768.45	8.58E-05	1.86E-05	1.69E-05	2.34E-06	9.11E-05	1.09E-05	9.39E-06	7.94E-07
1014	436870.33	3725760.28	8.55E-05	1.86E-05	1.69E-05	2.33E-06	9.08E-05	1.08E-05	9.35E-06	7.90E-07
1015	436865.15	3725752.12	8.50E-05	1.85E-05	1.68E-05	2.32E-06	9.03E-05	1.08E-05	9.30E-06	7.86E-07
1016	436808.19	3725662.3	7.63E-05	1.66E-05	1.51E-05	2.08E-06	8.11E-05	9.66E-06	8.35E-06	7.06E-07
1017	437025.68	3726005.25	1.09E-04	2.37E-05	2.16E-05	2.98E-06	1.16E-04	1.38E-05	1.20E-05	1.01E-06
1018	437033.07	3726011.53	1.10E-04	2.40E-05	2.18E-05	3.01E-06	1.17E-04	1.40E-05	1.21E-05	1.02E-06
1019	437040.46	3726017.81	1.11E-04	2.42E-05	2.20E-05	3.04E-06	1.18E-04	1.41E-05	1.22E-05	1.03E-06
1020	437047.84	3726024.09	1.13E-04	2.44E-05	2.22E-05	3.07E-06	1.20E-04	1.42E-05	1.23E-05	1.04E-06
1021	437055.23	3726030.37	1.13E-04	2.46E-05	2.24E-05	3.09E-06	1.20E-04	1.44E-05	1.24E-05	1.05E-06
1022	437062.62	3726036.65	1.14E-04	2.48E-05	2.26E-05	3.12E-06	1.21E-04	1.45E-05	1.25E-05	1.06E-06
1023	437070.01	3726042.93	1.15E-04	2.51E-05	2.28E-05	3.15E-06	1.23E-04	1.46E-05	1.26E-05	1.07E-06
1024	437077.4	3726049.21	1.16E-04	2.53E-05	2.30E-05	3.18E-06	1.24E-04	1.47E-05	1.27E-05	1.08E-06
1025	437084.79	3726055.49	1.17E-04	2.55E-05	2.32E-05	3.20E-06	1.25E-04	1.49E-05	1.28E-05	1.09E-06
1026	437092.18	3726061.77	1.18E-04	2.57E-05	2.34E-05	3.23E-06	1.26E-04	1.50E-05	1.29E-05	1.09E-06
1027	437099.57	3726068.05	1.19E-04	2.59E-05	2.35E-05	3.25E-06	1.27E-04	1.51E-05	1.30E-05	1.10E-06
1028	437106.96	3726074.33	1.20E-04	2.61E-05	2.37E-05	3.28E-06	1.28E-04	1.52E-05	1.32E-05	1.11E-06
1029	436994.64	3726027.64	1.01E-04	2.20E-05	2.00E-05	2.77E-06	1.08E-04	1.28E-05	1.11E-05	9.38E-07
1030	436989.52	3726019.55	1.01E-04	2.20E-05	2.00E-05	2.76E-06	1.08E-04	1.28E-05	1.11E-05	9.36E-07
1031	436984.39	3726011.47	1.01E-04	2.19E-05	1.99E-05	2.75E-06	1.07E-04	1.28E-05	1.10E-05	9.33E-07
1032	436979.26	3726003.38	1.00E-04	2.18E-05	1.98E-05	2.74E-06	1.07E-04	1.27E-05	1.10E-05	9.28E-07
1033	436974.13	3725995.29	9.98E-05	2.17E-05	1.97E-05	2.72E-06	1.06E-04	1.26E-05	1.09E-05	9.23E-07
1034	436969	3725987.2	9.92E-05	2.15E-05	1.96E-05	2.71E-06	1.05E-04	1.26E-05	1.08E-05	9.17E-07
1035	436963.87	3725979.12	9.84E-05	2.14E-05	1.94E-05	2.68E-06	1.04E-04	1.25E-05	1.08E-05	9.10E-07
1036	436958.74	3725971.03	9.75E-05	2.12E-05	1.93E-05	2.66E-06	1.04E-04	1.23E-05	1.07E-05	9.02E-07
1037	436953.61	3725962.94	9.66E-05	2.10E-05	1.91E-05	2.63E-06	1.03E-04	1.22E-05	1.06E-05	8.93E-07
1038	436948.49	3725954.85	9.57E-05	2.08E-05	1.89E-05	2.61E-06	1.02E-04	1.21E-05	1.05E-05	8.85E-07
1039	436943.36	3725946.77	9.48E-05	2.06E-05	1.87E-05	2.59E-06	1.01E-04	1.20E-05	1.04E-05	8.77E-07
1040	436938.23	3725938.68	9.40E-05	2.04E-05	1.86E-05	2.56E-06	9.98E-05	1.19E-05	1.03E-05	8.69E-07

1041	436933.1	3725930.59	9.31E-05	2.02E-05	1.84E-05	2.54E-06	9.89E-05	1.18E-05	1.02E-05	8.62E-07
1042	436927.97	3725922.5	9.23E-05	2.00E-05	1.82E-05	2.52E-06	9.80E-05	1.17E-05	1.01E-05	8.53E-07
1043	436922.84	3725914.42	9.13E-05	1.98E-05	1.80E-05	2.49E-06	9.69E-05	1.16E-05	9.98E-06	8.44E-07
1044	436917.71	3725906.33	9.02E-05	1.96E-05	1.78E-05	2.46E-06	9.58E-05	1.14E-05	9.87E-06	8.35E-07
1045	436912.58	3725898.24	8.92E-05	1.94E-05	1.76E-05	2.43E-06	9.48E-05	1.13E-05	9.76E-06	8.25E-07
1046	436907.46	3725890.15	8.82E-05	1.92E-05	1.74E-05	2.41E-06	9.37E-05	1.12E-05	9.65E-06	8.16E-07
1047	436902.33	3725882.07	8.73E-05	1.90E-05	1.72E-05	2.38E-06	9.27E-05	1.10E-05	9.55E-06	8.07E-07
1048	436897.2	3725873.98	8.63E-05	1.87E-05	1.70E-05	2.35E-06	9.17E-05	1.09E-05	9.44E-06	7.98E-07
1049	436892.07	3725865.89	8.53E-05	1.85E-05	1.68E-05	2.33E-06	9.06E-05	1.08E-05	9.33E-06	7.89E-07
1050	436886.94	3725857.8	8.45E-05	1.84E-05	1.67E-05	2.31E-06	8.97E-05	1.07E-05	9.24E-06	7.81E-07
1051	436881.81	3725849.72	8.37E-05	1.82E-05	1.65E-05	2.28E-06	8.89E-05	1.06E-05	9.16E-06	7.74E-07
1052	436866.43	3725825.45	8.18E-05	1.78E-05	1.61E-05	2.23E-06	8.69E-05	1.04E-05	8.94E-06	7.56E-07
1053	436861.3	3725817.37	8.12E-05	1.76E-05	1.60E-05	2.22E-06	8.63E-05	1.03E-05	8.89E-06	7.51E-07
1054	436856.17	3725809.28	8.07E-05	1.75E-05	1.59E-05	2.20E-06	8.57E-05	1.02E-05	8.83E-06	7.46E-07
1055	436851.04	3725801.19	8.02E-05	1.74E-05	1.58E-05	2.19E-06	8.51E-05	1.02E-05	8.77E-06	7.41E-07
1056	436845.91	3725793.11	7.96E-05	1.73E-05	1.57E-05	2.17E-06	8.45E-05	1.01E-05	8.71E-06	7.36E-07
1057	436840.78	3725785.02	7.90E-05	1.72E-05	1.56E-05	2.16E-06	8.39E-05	1.00E-05	8.64E-06	7.31E-07
1058	436835.65	3725776.93	7.84E-05	1.70E-05	1.55E-05	2.14E-06	8.33E-05	9.93E-06	8.58E-06	7.25E-07
1059	436830.53	3725768.84	7.80E-05	1.69E-05	1.54E-05	2.13E-06	8.28E-05	9.87E-06	8.53E-06	7.21E-07
1060	436825.4	3725760.76	7.75E-05	1.68E-05	1.53E-05	2.12E-06	8.24E-05	9.82E-06	8.48E-06	7.17E-07
1061	436999.77	3726035.73	1.02E-04	2.21E-05	2.01E-05	2.78E-06	1.08E-04	1.29E-05	1.11E-05	9.41E-07
1062	437007.16	3726042.01	1.03E-04	2.23E-05	2.03E-05	2.80E-06	1.09E-04	1.30E-05	1.12E-05	9.48E-07
1063	437014.55	3726048.29	1.03E-04	2.25E-05	2.04E-05	2.82E-06	1.10E-04	1.31E-05	1.13E-05	9.56E-07
1064	437021.94	3726054.57	1.04E-04	2.26E-05	2.06E-05	2.84E-06	1.11E-04	1.32E-05	1.14E-05	9.64E-07
1065	437029.33	3726060.85	1.05E-04	2.28E-05	2.08E-05	2.87E-06	1.12E-04	1.33E-05	1.15E-05	9.72E-07
1066	437036.72	3726067.13	1.06E-04	2.30E-05	2.09E-05	2.89E-06	1.13E-04	1.34E-05	1.16E-05	9.80E-07
1067	437044.11	3726073.41	1.07E-04	2.32E-05	2.11E-05	2.92E-06	1.14E-04	1.35E-05	1.17E-05	9.88E-07
1068	437051.5	3726079.69	1.08E-04	2.35E-05	2.13E-05	2.95E-06	1.15E-04	1.37E-05	1.18E-05	9.98E-07
1069	437058.89	3726085.97	1.09E-04	2.37E-05	2.16E-05	2.98E-06	1.16E-04	1.38E-05	1.20E-05	1.01E-06
1070	437066.28	3726092.25	1.11E-04	2.40E-05	2.19E-05	3.02E-06	1.18E-04	1.40E-05	1.21E-05	1.02E-06
1071	437073.66	3726098.53	1.12E-04	2.44E-05	2.22E-05	3.06E-06	1.19E-04	1.42E-05	1.23E-05	1.04E-06
1072	437081.05	3726104.81	1.14E-04	2.47E-05	2.25E-05	3.10E-06	1.21E-04	1.44E-05	1.24E-05	1.05E-06
1073	436968.7	3726058.05	9.49E-05	2.06E-05	1.88E-05	2.59E-06	1.01E-04	1.20E-05	1.04E-05	8.78E-07
1074	436963.53	3726049.9	9.48E-05	2.06E-05	1.87E-05	2.59E-06	1.01E-04	1.20E-05	1.04E-05	8.76E-07
1075	436958.36	3726041.75	9.45E-05	2.05E-05	1.87E-05	2.58E-06	1.00E-04	1.20E-05	1.03E-05	8.74E-07
1076	436953.19	3726033.6	9.43E-05	2.05E-05	1.86E-05	2.57E-06	1.00E-04	1.19E-05	1.03E-05	8.72E-07
1077	436948.02	3726025.44	9.40E-05	2.04E-05	1.86E-05	2.57E-06	9.99E-05	1.19E-05	1.03E-05	8.70E-07
1078	436942.85	3726017.29	9.36E-05	2.03E-05	1.85E-05	2.55E-06	9.95E-05	1.19E-05	1.02E-05	8.66E-07
1079	436937.68	3726009.14	9.31E-05	2.02E-05	1.84E-05	2.54E-06	9.89E-05	1.18E-05	1.02E-05	8.61E-07
1080	436932.51	3726000.98	9.25E-05	2.01E-05	1.83E-05	2.52E-06	9.82E-05	1.17E-05	1.01E-05	8.55E-07
1081	436927.34	3725992.83	9.18E-05	1.99E-05	1.81E-05	2.50E-06	9.75E-05	1.16E-05	1.00E-05	8.49E-07
1082	436922.17	3725984.68	9.10E-05	1.98E-05	1.80E-05	2.48E-06	9.67E-05	1.15E-05	9.96E-06	8.42E-07
1083	436917	3725976.52	9.01E-05	1.96E-05	1.78E-05	2.46E-06	9.57E-05	1.14E-05	9.86E-06	8.34E-07
1084	436911.83	3725968.37	8.92E-05	1.94E-05	1.76E-05	2.43E-06	9.48E-05	1.13E-05	9.76E-06	8.25E-07
1085	436906.66	3725960.22	8.83E-05	1.92E-05	1.74E-05	2.41E-06	9.38E-05	1.12E-05	9.66E-06	8.17E-07
1086	436901.48	3725952.07	8.75E-05	1.90E-05	1.73E-05	2.39E-06	9.29E-05	1.11E-05	9.57E-06	8.09E-07
1087	436896.31	3725943.91	8.66E-05	1.88E-05	1.71E-05	2.36E-06	9.20E-05	1.10E-05	9.48E-06	8.01E-07
1088	436891.14	3725935.76	8.58E-05	1.86E-05	1.69E-05	2.34E-06	9.11E-05	1.09E-05	9.38E-06	7.93E-07
1089	436885.97	3725927.61	8.48E-05	1.84E-05	1.67E-05	2.31E-06	9.01E-05	1.07E-05	9.27E-06	7.84E-07
1090	436880.8	3725919.45	8.39E-05	1.82E-05	1.66E-05	2.29E-06	8.91E-05	1.06E-05	9.17E-06	7.76E-07
1091	436875.63	3725911.3	8.29E-05	1.80E-05	1.64E-05	2.26E-06	8.80E-05	1.05E-05	9.07E-06	7.67E-07
1092	436870.46	3725903.15	8.20E-05	1.78E-05	1.62E-05	2.24E-06	8.71E-05	1.04E-05	8.97E-06	7.59E-07
1093	436865.29	3725894.99	8.11E-05	1.76E-05	1.60E-05	2.21E-06	8.62E-05	1.03E-05	8.88E-06	7.50E-07
1094	436860.12	3725886.84	8.03E-05	1.74E-05	1.59E-05	2.19E-06	8.53E-05	1.02E-05	8.78E-06	7.42E-07
1095	436854.95	3725878.69	7.94E-05	1.72E-05	1.57E-05	2.17E-06	8.43E-05	1.01E-05	8.68E-06	7.34E-07
1096	436834.27	3725846.08	7.67E-05	1.67E-05	1.52E-05	2.09E-06	8.15E-05	9.71E-06	8.39E-06	7.09E-07
1097	436829.1	3725837.92	7.60E-05	1.65E-05	1.50E-05	2.07E-06	8.08E-05	9.63E-06	8.32E-06	7.03E-07
1098	436823.93	3725829.77	7.55E-05	1.64E-05	1.49E-05	2.06E-06	8.02E-05	9.56E-06	8.26E-06	6.98E-07

1099	436818.76	3725821.62	7.49E-05	1.63E-05	1.48E-05	2.04E-06	7.96E-05	9.49E-06	8.19E-06	6.93E-07
1100	436813.59	3725813.46	7.43E-05	1.61E-05	1.47E-05	2.03E-06	7.89E-05	9.41E-06	8.13E-06	6.87E-07
1101	436808.42	3725805.31	7.38E-05	1.60E-05	1.46E-05	2.01E-06	7.84E-05	9.34E-06	8.07E-06	6.82E-07
1102	436803.25	3725797.16	7.33E-05	1.59E-05	1.45E-05	2.00E-06	7.79E-05	9.28E-06	8.02E-06	6.78E-07
1103	436798.08	3725789.01	7.28E-05	1.58E-05	1.44E-05	1.99E-06	7.73E-05	9.22E-06	7.97E-06	6.73E-07
1104	436792.91	3725780.85	7.24E-05	1.57E-05	1.43E-05	1.97E-06	7.69E-05	9.16E-06	7.92E-06	6.69E-07
1105	436687.87	3725073.86	6.11E-05	1.33E-05	1.21E-05	1.67E-06	6.49E-05	7.74E-06	6.68E-06	5.65E-07
1106	436973.87	3726066.21	9.52E-05	2.07E-05	1.88E-05	2.60E-06	1.01E-04	1.21E-05	1.04E-05	8.80E-07
1107	436981.26	3726072.49	9.59E-05	2.08E-05	1.89E-05	2.62E-06	1.02E-04	1.21E-05	1.05E-05	8.87E-07
1108	436988.65	3726078.77	9.66E-05	2.10E-05	1.91E-05	2.63E-06	1.03E-04	1.22E-05	1.06E-05	8.93E-07
1109	436996.04	3726085.05	9.74E-05	2.12E-05	1.92E-05	2.66E-06	1.03E-04	1.23E-05	1.07E-05	9.01E-07
1110	437003.43	3726091.33	9.83E-05	2.14E-05	1.94E-05	2.68E-06	1.04E-04	1.24E-05	1.08E-05	9.09E-07
1111	437010.81	3726097.61	9.92E-05	2.16E-05	1.96E-05	2.71E-06	1.05E-04	1.26E-05	1.09E-05	9.18E-07
1112	437018.2	3726103.89	1.00E-04	2.18E-05	1.98E-05	2.73E-06	1.06E-04	1.27E-05	1.10E-05	9.27E-07
1113	437025.59	3726110.17	1.01E-04	2.20E-05	2.00E-05	2.77E-06	1.08E-04	1.28E-05	1.11E-05	9.38E-07
1114	437032.98	3726116.45	1.03E-04	2.23E-05	2.03E-05	2.80E-06	1.09E-04	1.30E-05	1.12E-05	9.50E-07
1115	437040.37	3726122.73	1.04E-04	2.26E-05	2.05E-05	2.84E-06	1.11E-04	1.32E-05	1.14E-05	9.62E-07
1116	437047.76	3726129.01	1.06E-04	2.29E-05	2.08E-05	2.88E-06	1.12E-04	1.34E-05	1.15E-05	9.76E-07
1117	437055.15	3726135.29	1.07E-04	2.33E-05	2.11E-05	2.92E-06	1.14E-04	1.36E-05	1.17E-05	9.90E-07
1118	436942.84	3726088.6	8.96E-05	1.95E-05	1.77E-05	2.44E-06	9.51E-05	1.13E-05	9.80E-06	8.28E-07
1119	436937.71	3726080.52	8.94E-05	1.94E-05	1.76E-05	2.44E-06	9.49E-05	1.13E-05	9.77E-06	8.26E-07
1120	436932.59	3726072.44	8.92E-05	1.94E-05	1.76E-05	2.43E-06	9.48E-05	1.13E-05	9.76E-06	8.25E-07
1121	436927.46	3726064.36	8.91E-05	1.94E-05	1.76E-05	2.43E-06	9.47E-05	1.13E-05	9.75E-06	8.24E-07
1122	436922.34	3726056.28	8.90E-05	1.93E-05	1.76E-05	2.43E-06	9.46E-05	1.13E-05	9.74E-06	8.23E-07
1123	436917.21	3726048.2	8.89E-05	1.93E-05	1.76E-05	2.42E-06	9.44E-05	1.13E-05	9.72E-06	8.22E-07
1124	436912.09	3726040.11	8.85E-05	1.92E-05	1.75E-05	2.41E-06	9.40E-05	1.12E-05	9.68E-06	8.18E-07
1125	436906.96	3726032.03	8.80E-05	1.91E-05	1.74E-05	2.40E-06	9.35E-05	1.11E-05	9.63E-06	8.14E-07
1126	436901.84	3726023.95	8.76E-05	1.90E-05	1.73E-05	2.39E-06	9.31E-05	1.11E-05	9.58E-06	8.10E-07
1127	436896.71	3726015.87	8.71E-05	1.89E-05	1.72E-05	2.38E-06	9.25E-05	1.10E-05	9.52E-06	8.05E-07
1128	436891.59	3726007.79	8.62E-05	1.87E-05	1.70E-05	2.35E-06	9.16E-05	1.09E-05	9.43E-06	7.97E-07
1129	436886.46	3725999.71	8.53E-05	1.85E-05	1.69E-05	2.33E-06	9.06E-05	1.08E-05	9.33E-06	7.89E-07
1130	436881.34	3725991.62	8.45E-05	1.84E-05	1.67E-05	2.31E-06	8.97E-05	1.07E-05	9.24E-06	7.81E-07
1131	436876.21	3725983.54	8.36E-05	1.82E-05	1.65E-05	2.28E-06	8.88E-05	1.06E-05	9.15E-06	7.73E-07
1132	436871.09	3725975.46	8.28E-05	1.80E-05	1.64E-05	2.26E-06	8.79E-05	1.05E-05	9.06E-06	7.66E-07
1133	436865.96	3725967.38	8.19E-05	1.78E-05	1.62E-05	2.23E-06	8.70E-05	1.04E-05	8.96E-06	7.58E-07
1134	436860.84	3725959.3	8.10E-05	1.76E-05	1.60E-05	2.21E-06	8.61E-05	1.03E-05	8.86E-06	7.49E-07
1135	436855.71	3725951.21	8.02E-05	1.74E-05	1.58E-05	2.19E-06	8.51E-05	1.02E-05	8.77E-06	7.41E-07
1136	436850.59	3725943.13	7.92E-05	1.72E-05	1.56E-05	2.16E-06	8.41E-05	1.00E-05	8.66E-06	7.32E-07
1137	436845.46	3725935.05	7.83E-05	1.70E-05	1.55E-05	2.14E-06	8.31E-05	9.91E-06	8.56E-06	7.24E-07
1138	436840.34	3725926.97	7.73E-05	1.68E-05	1.53E-05	2.11E-06	8.21E-05	9.79E-06	8.46E-06	7.15E-07
1139	436835.21	3725918.89	7.66E-05	1.66E-05	1.51E-05	2.09E-06	8.13E-05	9.69E-06	8.38E-06	7.08E-07
1140	436830.09	3725910.81	7.59E-05	1.65E-05	1.50E-05	2.07E-06	8.06E-05	9.61E-06	8.30E-06	7.02E-07
1141	436804.46	3725870.4	7.27E-05	1.58E-05	1.44E-05	1.98E-06	7.72E-05	9.20E-06	7.95E-06	6.72E-07
1142	436799.34	3725862.32	7.21E-05	1.57E-05	1.42E-05	1.97E-06	7.66E-05	9.13E-06	7.89E-06	6.67E-07
1143	436794.21	3725854.23	7.15E-05	1.55E-05	1.41E-05	1.95E-06	7.60E-05	9.05E-06	7.82E-06	6.61E-07
1144	436789.09	3725846.15	7.09E-05	1.54E-05	1.40E-05	1.93E-06	7.53E-05	8.98E-06	7.76E-06	6.56E-07
1145	436783.96	3725838.07	7.03E-05	1.53E-05	1.39E-05	1.92E-06	7.47E-05	8.91E-06	7.69E-06	6.51E-07
1146	436778.84	3725829.99	6.99E-05	1.52E-05	1.38E-05	1.91E-06	7.42E-05	8.84E-06	7.64E-06	6.46E-07
1147	436773.71	3725821.91	6.94E-05	1.51E-05	1.37E-05	1.89E-06	7.37E-05	8.79E-06	7.59E-06	6.42E-07
1148	436768.59	3725813.82	6.89E-05	1.50E-05	1.36E-05	1.88E-06	7.32E-05	8.73E-06	7.54E-06	6.37E-07
1149	436763.46	3725805.74	6.85E-05	1.49E-05	1.35E-05	1.87E-06	7.27E-05	8.67E-06	7.49E-06	6.33E-07
1150	436947.97	3726096.69	8.97E-05	1.95E-05	1.77E-05	2.45E-06	9.53E-05	1.14E-05	9.82E-06	8.30E-07
1151	436955.35	3726102.97	9.03E-05	1.96E-05	1.78E-05	2.46E-06	9.59E-05	1.14E-05	9.88E-06	8.35E-07
1152	436962.74	3726109.25	9.11E-05	1.98E-05	1.80E-05	2.49E-06	9.68E-05	1.15E-05	9.97E-06	8.43E-07
1153	436970.13	3726115.53	9.21E-05	2.00E-05	1.82E-05	2.51E-06	9.78E-05	1.17E-05	1.01E-05	8.52E-07
1154	436977.52	3726121.81	9.31E-05	2.02E-05	1.84E-05	2.54E-06	9.89E-05	1.18E-05	1.02E-05	8.61E-07
1155	436984.91	3726128.09	9.41E-05	2.04E-05	1.86E-05	2.57E-06	9.99E-05	1.19E-05	1.03E-05	8.70E-07
1156	436992.3	3726134.37	9.51E-05	2.07E-05	1.88E-05	2.60E-06	1.01E-04	1.20E-05	1.04E-05	8.80E-07

1157	436999.69	3726140.65	9.64E-05	2.09E-05	1.90E-05	2.63E-06	1.02E-04	1.22E-05	1.05E-05	8.91E-07
1158	437007.08	3726146.93	9.76E-05	2.12E-05	1.93E-05	2.66E-06	1.04E-04	1.24E-05	1.07E-05	9.03E-07
1159	437014.47	3726153.21	9.89E-05	2.15E-05	1.95E-05	2.70E-06	1.05E-04	1.25E-05	1.08E-05	9.15E-07
1160	437021.86	3726159.49	1.00E-04	2.18E-05	1.98E-05	2.73E-06	1.06E-04	1.27E-05	1.10E-05	9.26E-07
1161	437029.25	3726165.77	1.01E-04	2.20E-05	2.00E-05	2.77E-06	1.08E-04	1.28E-05	1.11E-05	9.38E-07
1162	437520.06	3725611.33	1.41E-03	3.06E-04	2.78E-04	3.85E-05	1.50E-03	1.78E-04	1.54E-04	1.30E-05
1163	437507.55	3725626.93	1.20E-03	2.61E-04	2.37E-04	3.28E-05	1.28E-03	1.52E-04	1.31E-04	1.11E-05
1164	437495.04	3725642.54	1.03E-03	2.23E-04	2.03E-04	2.81E-05	1.09E-03	1.30E-04	1.12E-04	9.51E-06
1165	437470.46	3725661.28	8.15E-04	1.77E-04	1.61E-04	2.22E-05	8.66E-04	1.03E-04	8.91E-05	7.54E-06
1166	437482.1	3725670.61	8.46E-04	1.84E-04	1.67E-04	2.31E-05	8.99E-04	1.07E-04	9.26E-05	7.82E-06
1167	437451.7	3725684.69	6.78E-04	1.47E-04	1.34E-04	1.85E-05	7.20E-04	8.59E-05	7.42E-05	6.27E-06
1168	437463.34	3725694.02	7.02E-04	1.52E-04	1.39E-04	1.91E-05	7.45E-04	8.89E-05	7.68E-05	6.49E-06
1169	437432.93	3725708.1	5.78E-04	1.26E-04	1.14E-04	1.58E-05	6.14E-04	7.32E-05	6.32E-05	5.35E-06
1170	437444.57	3725717.43	5.97E-04	1.30E-04	1.18E-04	1.63E-05	6.34E-04	7.56E-05	6.53E-05	5.52E-06
1171	437425.81	3725740.84	5.17E-04	1.12E-04	1.02E-04	1.41E-05	5.49E-04	6.54E-05	5.65E-05	4.78E-06
1172	437407.05	3725764.25	4.57E-04	9.93E-05	9.03E-05	1.25E-05	4.86E-04	5.79E-05	5.00E-05	4.23E-06
1173	437357.88	3725801.73	3.58E-04	7.78E-05	7.07E-05	9.77E-06	3.80E-04	4.53E-05	3.92E-05	3.31E-06
1174	437335.13	3725821.85	3.17E-04	6.89E-05	6.26E-05	8.65E-06	3.37E-04	4.02E-05	3.47E-05	2.93E-06
1175	437344.94	3725829.81	3.23E-04	7.02E-05	6.38E-05	8.81E-06	3.43E-04	4.09E-05	3.53E-05	2.99E-06
1176	437316.14	3725845.07	2.83E-04	6.15E-05	5.59E-05	7.73E-06	3.01E-04	3.59E-05	3.10E-05	2.62E-06
1177	437326.17	3725853.21	2.89E-04	6.27E-05	5.70E-05	7.88E-06	3.07E-04	3.66E-05	3.16E-05	2.67E-06
1178	437271.84	3725899.26	2.21E-04	4.81E-05	4.37E-05	6.04E-06	2.35E-04	2.80E-05	2.42E-05	2.05E-06
1179	437282.39	3725907.83	2.26E-04	4.90E-05	4.46E-05	6.16E-06	2.40E-04	2.86E-05	2.47E-05	2.09E-06
1180	437246.53	3725930.23	1.96E-04	4.25E-05	3.87E-05	5.34E-06	2.08E-04	2.48E-05	2.14E-05	1.81E-06
1181	437257.38	3725939.05	1.99E-04	4.33E-05	3.94E-05	5.44E-06	2.12E-04	2.52E-05	2.18E-05	1.84E-06
1182	437221.22	3725961.2	1.74E-04	3.79E-05	3.44E-05	4.76E-06	1.85E-04	2.21E-05	1.91E-05	1.61E-06
1183	437232.36	3725970.26	1.77E-04	3.85E-05	3.50E-05	4.84E-06	1.88E-04	2.25E-05	1.94E-05	1.64E-06
1184	437195.91	3725992.17	1.56E-04	3.38E-05	3.08E-05	4.25E-06	1.65E-04	1.97E-05	1.70E-05	1.44E-06
1185	437207.34	3726001.47	1.59E-04	3.45E-05	3.13E-05	4.33E-06	1.68E-04	2.01E-05	1.73E-05	1.47E-06
1186	437172.07	3726024.35	1.41E-04	3.07E-05	2.79E-05	3.86E-06	1.50E-04	1.79E-05	1.55E-05	1.31E-06
1187	437182.33	3726032.68	1.44E-04	3.12E-05	2.84E-05	3.92E-06	1.53E-04	1.82E-05	1.57E-05	1.33E-06
1188	437146.83	3726055.38	1.31E-04	2.84E-05	2.59E-05	3.57E-06	1.39E-04	1.66E-05	1.43E-05	1.21E-06
1189	437157.31	3726063.89	1.33E-04	2.88E-05	2.62E-05	3.62E-06	1.41E-04	1.68E-05	1.45E-05	1.23E-06
1190	437121.59	3726086.41	1.23E-04	2.67E-05	2.43E-05	3.35E-06	1.31E-04	1.56E-05	1.34E-05	1.14E-06
1191	437132.29	3726095.1	1.25E-04	2.71E-05	2.46E-05	3.40E-06	1.32E-04	1.58E-05	1.36E-05	1.15E-06
1192	437096.35	3726117.44	1.16E-04	2.53E-05	2.30E-05	3.17E-06	1.24E-04	1.47E-05	1.27E-05	1.08E-06
1193	437107.27	3726126.31	1.18E-04	2.57E-05	2.33E-05	3.22E-06	1.26E-04	1.50E-05	1.29E-05	1.09E-06
1194	437071.11	3726148.47	1.10E-04	2.39E-05	2.17E-05	3.00E-06	1.17E-04	1.39E-05	1.20E-05	1.02E-06
1195	437082.26	3726157.52	1.12E-04	2.43E-05	2.21E-05	3.05E-06	1.19E-04	1.42E-05	1.22E-05	1.04E-06
1196	437045.88	3726179.49	1.04E-04	2.27E-05	2.06E-05	2.85E-06	1.11E-04	1.32E-05	1.14E-05	9.65E-07
1197	437057.24	3726188.73	1.06E-04	2.30E-05	2.10E-05	2.89E-06	1.13E-04	1.34E-05	1.16E-05	9.81E-07
1198	437676.44	3725481.96	1.37E-02	2.98E-03	2.71E-03	3.74E-04	1.46E-02	1.74E-03	1.50E-03	1.27E-04
1199	437598.06	3725572.83	3.28E-03	7.13E-04	6.48E-04	8.95E-05	3.48E-03	4.15E-04	3.59E-04	3.03E-05
1200	437532.24	3725621.7	1.46E-03	3.17E-04	2.89E-04	3.99E-05	1.55E-03	1.85E-04	1.60E-04	1.35E-05
1201	437545.81	3725633.41	1.52E-03	3.30E-04	3.00E-04	4.14E-05	1.61E-03	1.92E-04	1.66E-04	1.40E-05
1202	437519.18	3725636.85	1.24E-03	2.69E-04	2.44E-04	3.38E-05	1.31E-03	1.57E-04	1.35E-04	1.14E-05
1203	437525.96	3725642.7	1.26E-03	2.73E-04	2.48E-04	3.43E-05	1.34E-03	1.59E-04	1.38E-04	1.16E-05
1204	437493.3	3725680.56	8.72E-04	1.89E-04	1.72E-04	2.38E-05	9.26E-04	1.10E-04	9.54E-05	8.06E-06
1205	437500.09	3725686.41	8.88E-04	1.93E-04	1.75E-04	2.42E-05	9.43E-04	1.12E-04	9.71E-05	8.21E-06
1206	437473.71	3725703.28	7.21E-04	1.57E-04	1.42E-04	1.97E-05	7.66E-04	9.13E-05	7.89E-05	6.67E-06
1207	437480.49	3725709.13	7.35E-04	1.60E-04	1.45E-04	2.00E-05	7.80E-04	9.30E-05	8.04E-05	6.80E-06
1208	437454.11	3725726	6.10E-04	1.33E-04	1.21E-04	1.67E-05	6.48E-04	7.73E-05	6.68E-05	5.65E-06
1209	437434.52	3725748.71	5.26E-04	1.14E-04	1.04E-04	1.43E-05	5.58E-04	6.66E-05	5.75E-05	4.86E-06
1210	437414.93	3725771.43	4.63E-04	1.01E-04	9.15E-05	1.26E-05	4.92E-04	5.86E-05	5.07E-05	4.28E-06
1211	437395.33	3725794.15	4.13E-04	8.96E-05	8.15E-05	1.13E-05	4.38E-04	5.22E-05	4.51E-05	3.82E-06
1212	437356.14	3725839.58	3.29E-04	7.15E-05	6.50E-05	8.98E-06	3.49E-04	4.17E-05	3.60E-05	3.04E-06
1213	437362.93	3725845.43	3.32E-04	7.22E-05	6.56E-05	9.06E-06	3.53E-04	4.21E-05	3.63E-05	3.07E-06
1214	437336.55	3725862.3	2.94E-04	6.39E-05	5.81E-05	8.03E-06	3.12E-04	3.73E-05	3.22E-05	2.72E-06

1215	437343.33	3725868.15	2.98E-04	6.47E-05	5.88E-05	8.12E-06	3.16E-04	3.77E-05	3.26E-05	2.75E-06
1216	437290.83	3725915.3	2.29E-04	4.97E-05	4.52E-05	6.24E-06	2.43E-04	2.90E-05	2.50E-05	2.12E-06
1217	437297.61	3725921.15	2.31E-04	5.03E-05	4.57E-05	6.31E-06	2.46E-04	2.93E-05	2.53E-05	2.14E-06
1218	437264.7	3725945.59	2.02E-04	4.38E-05	3.98E-05	5.50E-06	2.14E-04	2.55E-05	2.21E-05	1.86E-06
1219	437271.48	3725951.44	2.04E-04	4.42E-05	4.02E-05	5.55E-06	2.16E-04	2.58E-05	2.23E-05	1.88E-06
1220	437245.36	3725981.73	1.80E-04	3.92E-05	3.56E-05	4.92E-06	1.92E-04	2.28E-05	1.97E-05	1.67E-06
1221	437219.23	3726012.02	1.61E-04	3.50E-05	3.19E-05	4.40E-06	1.71E-04	2.04E-05	1.76E-05	1.49E-06
1222	437193.11	3726042.31	1.46E-04	3.17E-05	2.88E-05	3.98E-06	1.55E-04	1.85E-05	1.60E-05	1.35E-06
1223	437166.98	3726072.6	1.34E-04	2.91E-05	2.65E-05	3.66E-06	1.42E-04	1.70E-05	1.47E-05	1.24E-06
1224	437140.85	3726102.89	1.26E-04	2.74E-05	2.49E-05	3.44E-06	1.34E-04	1.60E-05	1.38E-05	1.17E-06
1225	437114.73	3726133.18	1.19E-04	2.59E-05	2.36E-05	3.26E-06	1.27E-04	1.51E-05	1.31E-05	1.10E-06
1226	437719.82	3725444.76	2.87E-02	6.24E-03	5.68E-03	7.84E-04	3.05E-02	3.64E-03	3.14E-03	2.66E-04
1227	437728.16	3725437.23	3.17E-02	6.90E-03	6.27E-03	8.66E-04	3.37E-02	4.02E-03	3.47E-03	2.94E-04
1228	437738	3725425.67	3.61E-02	7.85E-03	7.14E-03	9.86E-04	3.84E-02	4.58E-03	3.95E-03	3.34E-04
1229	437726.3	3725451.82	2.52E-02	5.48E-03	4.98E-03	6.89E-04	2.68E-02	3.20E-03	2.76E-03	2.33E-04
1230	437712.3	3725454.87	2.43E-02	5.29E-03	4.81E-03	6.64E-04	2.59E-02	3.08E-03	2.66E-03	2.25E-04
1231	437735.78	3725443.71	2.76E-02	5.99E-03	5.45E-03	7.52E-04	2.93E-02	3.49E-03	3.02E-03	2.55E-04
1232	437745.62	3725432.15	3.07E-02	6.67E-03	6.07E-03	8.38E-04	3.26E-02	3.89E-03	3.36E-03	2.84E-04
1233	437733.34	3725458.59	2.24E-02	4.86E-03	4.42E-03	6.11E-04	2.38E-02	2.84E-03	2.45E-03	2.07E-04
1234	437723.07	3725463.82	2.12E-02	4.61E-03	4.19E-03	5.78E-04	2.25E-02	2.68E-03	2.32E-03	1.96E-04
1235	437712.46	3725464.64	2.08E-02	4.51E-03	4.10E-03	5.67E-04	2.21E-02	2.63E-03	2.27E-03	1.92E-04
1236	437701.51	3725461.05	2.14E-02	4.64E-03	4.22E-03	5.83E-04	2.27E-02	2.71E-03	2.34E-03	1.98E-04
1237	437743.39	3725450.2	2.41E-02	5.24E-03	4.77E-03	6.59E-04	2.56E-02	3.06E-03	2.64E-03	2.23E-04
1238	437753.23	3725438.64	2.64E-02	5.74E-03	5.22E-03	7.20E-04	2.80E-02	3.34E-03	2.89E-03	2.44E-04
1239	437740.61	3725465.25	2.00E-02	4.35E-03	3.95E-03	5.46E-04	2.13E-02	2.53E-03	2.19E-03	1.85E-04
1240	437729.66	3725470.83	1.91E-02	4.14E-03	3.77E-03	5.20E-04	2.03E-02	2.41E-03	2.09E-03	1.76E-04
1241	437712.86	3725474.49	1.79E-02	3.90E-03	3.54E-03	4.89E-04	1.91E-02	2.27E-03	1.96E-03	1.66E-04
1242	437701.18	3725470.66	1.84E-02	3.99E-03	3.63E-03	5.01E-04	1.95E-02	2.33E-03	2.01E-03	1.70E-04
1243	437751.01	3725456.68	2.13E-02	4.63E-03	4.21E-03	5.82E-04	2.26E-02	2.70E-03	2.33E-03	1.97E-04
1244	437760.85	3725445.12	2.29E-02	4.98E-03	4.53E-03	6.26E-04	2.44E-02	2.90E-03	2.51E-03	2.12E-04
1245	437748	3725471.85	1.80E-02	3.91E-03	3.56E-03	4.91E-04	1.91E-02	2.28E-03	1.97E-03	1.67E-04
1246	437736.59	3725477.66	1.73E-02	3.75E-03	3.41E-03	4.71E-04	1.83E-02	2.19E-03	1.89E-03	1.60E-04
1247	437725.18	3725483.47	1.61E-02	3.49E-03	3.17E-03	4.38E-04	1.71E-02	2.03E-03	1.76E-03	1.49E-04
1248	437713.39	3725484.38	1.56E-02	3.40E-03	3.09E-03	4.27E-04	1.66E-02	1.98E-03	1.71E-03	1.45E-04
1249	437701.22	3725480.39	1.60E-02	3.47E-03	3.15E-03	4.36E-04	1.70E-02	2.02E-03	1.75E-03	1.48E-04
1250	437758.62	3725463.16	1.90E-02	4.12E-03	3.75E-03	5.18E-04	2.02E-02	2.40E-03	2.08E-03	1.75E-04
1251	437755.45	3725478.41	1.63E-02	3.54E-03	3.22E-03	4.44E-04	1.73E-02	2.06E-03	1.78E-03	1.51E-04
1252	437743.71	3725484.39	1.57E-02	3.41E-03	3.10E-03	4.28E-04	1.67E-02	1.99E-03	1.72E-03	1.45E-04
1253	437731.98	3725490.37	1.47E-02	3.20E-03	2.91E-03	4.02E-04	1.56E-02	1.86E-03	1.61E-03	1.36E-04
1254	437713.98	3725494.3	1.38E-02	2.99E-03	2.72E-03	3.76E-04	1.46E-02	1.74E-03	1.51E-03	1.27E-04
1255	437701.47	3725490.19	1.40E-02	3.04E-03	2.76E-03	3.82E-04	1.49E-02	1.77E-03	1.53E-03	1.29E-04
1256	437688.96	3725486.07	1.40E-02	3.04E-03	2.76E-03	3.82E-04	1.49E-02	1.77E-03	1.53E-03	1.29E-04
1257	437766.24	3725469.64	1.70E-02	3.70E-03	3.36E-03	4.64E-04	1.81E-02	2.15E-03	1.86E-03	1.57E-04
1258	437762.94	3725484.96	1.48E-02	3.21E-03	2.92E-03	4.03E-04	1.57E-02	1.87E-03	1.62E-03	1.37E-04
1259	437750.96	3725491.06	1.43E-02	3.11E-03	2.83E-03	3.90E-04	1.52E-02	1.81E-03	1.57E-03	1.32E-04
1260	437738.98	3725497.17	1.35E-02	2.94E-03	2.67E-03	3.69E-04	1.44E-02	1.71E-03	1.48E-03	1.25E-04
1261	437727	3725503.27	1.26E-02	2.73E-03	2.48E-03	3.43E-04	1.34E-02	1.59E-03	1.38E-03	1.16E-04
1262	437714.62	3725504.22	1.22E-02	2.65E-03	2.41E-03	3.33E-04	1.30E-02	1.55E-03	1.34E-03	1.13E-04
1263	437701.85	3725500.03	1.24E-02	2.69E-03	2.44E-03	3.38E-04	1.31E-02	1.57E-03	1.35E-03	1.14E-04
1264	437689.07	3725495.83	1.23E-02	2.68E-03	2.44E-03	3.37E-04	1.31E-02	1.56E-03	1.35E-03	1.14E-04
1265	437676.3	3725491.63	1.21E-02	2.63E-03	2.39E-03	3.30E-04	1.29E-02	1.53E-03	1.32E-03	1.12E-04
1266	437773.85	3725476.12	1.53E-02	3.33E-03	3.03E-03	4.18E-04	1.63E-02	1.94E-03	1.68E-03	1.42E-04
1267	437770.46	3725491.49	1.35E-02	2.92E-03	2.66E-03	3.67E-04	1.43E-02	1.70E-03	1.47E-03	1.24E-04
1268	437758.29	3725497.69	1.31E-02	2.85E-03	2.59E-03	3.57E-04	1.39E-02	1.66E-03	1.43E-03	1.21E-04
1269	437746.12	3725503.89	1.25E-02	2.71E-03	2.47E-03	3.41E-04	1.33E-02	1.58E-03	1.37E-03	1.15E-04
1270	437733.95	3725510.09	1.17E-02	2.54E-03	2.31E-03	3.19E-04	1.24E-02	1.48E-03	1.28E-03	1.08E-04
1271	437715.29	3725514.16	1.09E-02	2.36E-03	2.15E-03	2.97E-04	1.16E-02	1.38E-03	1.19E-03	1.01E-04
1272	437702.31	3725509.9	1.10E-02	2.39E-03	2.18E-03	3.01E-04	1.17E-02	1.40E-03	1.21E-03	1.02E-04

1273	437689.33	3725505.63	1.10E-02	2.39E-03	2.17E-03	3.00E-04	1.17E-02	1.39E-03	1.20E-03	1.02E-04
1274	437676.36	3725501.37	1.08E-02	2.34E-03	2.13E-03	2.94E-04	1.14E-02	1.36E-03	1.18E-03	9.96E-05
1275	437781.47	3725482.6	1.38E-02	3.00E-03	2.73E-03	3.77E-04	1.47E-02	1.75E-03	1.51E-03	1.28E-04
1276	437791.31	3725471.04	1.44E-02	3.12E-03	2.84E-03	3.92E-04	1.53E-02	1.82E-03	1.57E-03	1.33E-04
1277	437778	3725498.01	1.23E-02	2.67E-03	2.42E-03	3.35E-04	1.30E-02	1.55E-03	1.34E-03	1.13E-04
1278	437765.68	3725504.29	1.20E-02	2.61E-03	2.38E-03	3.28E-04	1.28E-02	1.52E-03	1.32E-03	1.11E-04
1279	437753.36	3725510.57	1.15E-02	2.51E-03	2.28E-03	3.15E-04	1.23E-02	1.46E-03	1.26E-03	1.07E-04
1280	437741.03	3725516.84	1.09E-02	2.36E-03	2.15E-03	2.97E-04	1.15E-02	1.38E-03	1.19E-03	1.01E-04
1281	437728.71	3725523.12	1.01E-02	2.19E-03	1.99E-03	2.75E-04	1.07E-02	1.28E-03	1.10E-03	9.33E-05
1282	437715.98	3725524.11	9.76E-03	2.12E-03	1.93E-03	2.66E-04	1.04E-02	1.24E-03	1.07E-03	9.03E-05
1283	437702.84	3725519.79	9.86E-03	2.14E-03	1.95E-03	2.69E-04	1.05E-02	1.25E-03	1.08E-03	9.12E-05
1284	437689.7	3725515.47	9.82E-03	2.13E-03	1.94E-03	2.68E-04	1.04E-02	1.24E-03	1.07E-03	9.08E-05
1285	437676.56	3725511.16	9.64E-03	2.09E-03	1.90E-03	2.63E-04	1.02E-02	1.22E-03	1.05E-03	8.91E-05
1286	437789.08	3725489.09	1.25E-02	2.72E-03	2.47E-03	3.42E-04	1.33E-02	1.59E-03	1.37E-03	1.16E-04
1287	437798.92	3725477.53	1.29E-02	2.81E-03	2.56E-03	3.53E-04	1.37E-02	1.64E-03	1.42E-03	1.20E-04
1288	437785.55	3725504.52	1.12E-02	2.44E-03	2.22E-03	3.06E-04	1.19E-02	1.42E-03	1.23E-03	1.04E-04
1289	437773.11	3725510.86	1.11E-02	2.40E-03	2.19E-03	3.02E-04	1.18E-02	1.40E-03	1.21E-03	1.02E-04
1290	437760.66	3725517.21	1.07E-02	2.32E-03	2.11E-03	2.91E-04	1.13E-02	1.35E-03	1.17E-03	9.87E-05
1291	437748.21	3725523.55	1.01E-02	2.20E-03	2.00E-03	2.76E-04	1.08E-02	1.28E-03	1.11E-03	9.36E-05
1292	437735.76	3725529.89	9.46E-03	2.06E-03	1.87E-03	2.58E-04	1.01E-02	1.20E-03	1.04E-03	8.75E-05
1293	437716.68	3725534.05	8.80E-03	1.91E-03	1.74E-03	2.40E-04	9.35E-03	1.11E-03	9.63E-04	8.14E-05
1294	437703.41	3725529.69	8.87E-03	1.93E-03	1.75E-03	2.42E-04	9.43E-03	1.12E-03	9.71E-04	8.21E-05
1295	437690.13	3725525.33	8.83E-03	1.92E-03	1.74E-03	2.41E-04	9.38E-03	1.12E-03	9.66E-04	8.17E-05
1296	437676.86	3725520.97	8.67E-03	1.88E-03	1.71E-03	2.37E-04	9.21E-03	1.10E-03	9.48E-04	8.02E-05
1297	437663.59	3725516.61	8.39E-03	1.82E-03	1.66E-03	2.29E-04	8.91E-03	1.06E-03	9.18E-04	7.76E-05
1298	437796.7	3725495.57	1.14E-02	2.48E-03	2.25E-03	3.11E-04	1.21E-02	1.44E-03	1.25E-03	1.05E-04
1299	437806.54	3725484.01	1.17E-02	2.55E-03	2.32E-03	3.20E-04	1.25E-02	1.49E-03	1.28E-03	1.09E-04
1300	437800.69	3725517.53	9.44E-03	2.05E-03	1.86E-03	2.58E-04	1.00E-02	1.20E-03	1.03E-03	8.73E-05
1301	437788.05	3725523.97	9.43E-03	2.05E-03	1.86E-03	2.57E-04	1.00E-02	1.19E-03	1.03E-03	8.72E-05
1302	437775.41	3725530.41	9.19E-03	2.00E-03	1.81E-03	2.51E-04	9.76E-03	1.16E-03	1.01E-03	8.50E-05
1303	437762.77	3725536.85	8.82E-03	1.92E-03	1.74E-03	2.41E-04	9.37E-03	1.12E-03	9.65E-04	8.16E-05
1304	437750.13	3725543.29	8.35E-03	1.81E-03	1.65E-03	2.28E-04	8.86E-03	1.06E-03	9.13E-04	7.72E-05
1305	437737.49	3725549.73	7.80E-03	1.69E-03	1.54E-03	2.13E-04	8.28E-03	9.87E-04	8.53E-04	7.21E-05
1306	437718.11	3725553.96	7.25E-03	1.58E-03	1.43E-03	1.98E-04	7.71E-03	9.19E-04	7.94E-04	6.71E-05
1307	437704.64	3725549.53	7.29E-03	1.58E-03	1.44E-03	1.99E-04	7.75E-03	9.24E-04	7.98E-04	6.75E-05
1308	437691.16	3725545.11	7.25E-03	1.57E-03	1.43E-03	1.98E-04	7.70E-03	9.18E-04	7.93E-04	6.70E-05
1309	437677.68	3725540.68	7.12E-03	1.55E-03	1.41E-03	1.94E-04	7.56E-03	9.01E-04	7.78E-04	6.58E-05
1310	437664.21	3725536.25	6.90E-03	1.50E-03	1.36E-03	1.88E-04	7.33E-03	8.74E-04	7.55E-04	6.39E-05
1311	437650.73	3725531.82	6.62E-03	1.44E-03	1.31E-03	1.81E-04	7.03E-03	8.38E-04	7.24E-04	6.12E-05
1312	437811.93	3725508.53	9.54E-03	2.07E-03	1.88E-03	2.60E-04	1.01E-02	1.21E-03	1.04E-03	8.82E-05
1313	437821.77	3725496.97	9.74E-03	2.12E-03	1.92E-03	2.66E-04	1.03E-02	1.23E-03	1.07E-03	9.01E-05
1314	437815.85	3725530.53	8.02E-03	1.74E-03	1.58E-03	2.19E-04	8.52E-03	1.02E-03	8.78E-04	7.42E-05
1315	437803.07	3725537.04	8.09E-03	1.76E-03	1.60E-03	2.21E-04	8.59E-03	1.02E-03	8.85E-04	7.48E-05
1316	437790.29	3725543.56	7.95E-03	1.73E-03	1.57E-03	2.17E-04	8.45E-03	1.01E-03	8.70E-04	7.36E-05
1317	437777.51	3725550.07	7.71E-03	1.68E-03	1.52E-03	2.10E-04	8.19E-03	9.77E-04	8.44E-04	7.13E-05
1318	437764.73	3725556.58	7.38E-03	1.60E-03	1.46E-03	2.01E-04	7.84E-03	9.34E-04	8.07E-04	6.82E-05
1319	437751.95	3725563.09	6.97E-03	1.51E-03	1.38E-03	1.90E-04	7.40E-03	8.83E-04	7.62E-04	6.45E-05
1320	437739.17	3725569.6	6.52E-03	1.42E-03	1.29E-03	1.78E-04	6.92E-03	8.25E-04	7.13E-04	6.03E-05
1321	437719.58	3725573.88	6.07E-03	1.32E-03	1.20E-03	1.66E-04	6.45E-03	7.68E-04	6.64E-04	5.61E-05
1322	437705.95	3725569.4	6.09E-03	1.32E-03	1.20E-03	1.66E-04	6.47E-03	7.71E-04	6.66E-04	5.63E-05
1323	437692.32	3725564.92	6.05E-03	1.31E-03	1.19E-03	1.65E-04	6.42E-03	7.66E-04	6.61E-04	5.59E-05
1324	437678.7	3725560.45	5.94E-03	1.29E-03	1.17E-03	1.62E-04	6.31E-03	7.52E-04	6.49E-04	5.49E-05
1325	437665.07	3725555.97	5.77E-03	1.25E-03	1.14E-03	1.58E-04	6.13E-03	7.31E-04	6.32E-04	5.34E-05
1326	437651.44	3725551.49	5.55E-03	1.21E-03	1.10E-03	1.52E-04	5.90E-03	7.03E-04	6.08E-04	5.14E-05
1327	437637.82	3725547.02	5.28E-03	1.15E-03	1.04E-03	1.44E-04	5.61E-03	6.69E-04	5.78E-04	4.89E-05
1328	437827.16	3725521.5	8.05E-03	1.75E-03	1.59E-03	2.20E-04	8.55E-03	1.02E-03	8.81E-04	7.45E-05
1329	437837	3725509.94	8.18E-03	1.78E-03	1.62E-03	2.23E-04	8.69E-03	1.04E-03	8.95E-04	7.56E-05
1330	437779.48	3725569.79	6.54E-03	1.42E-03	1.29E-03	1.78E-04	6.95E-03	8.28E-04	7.16E-04	6.05E-05

1331	437766.59	3725576.36	6.24E-03	1.36E-03	1.23E-03	1.70E-04	6.63E-03	7.90E-04	6.83E-04	5.77E-05
1332	437753.7	3725582.92	5.90E-03	1.28E-03	1.16E-03	1.61E-04	6.26E-03	7.47E-04	6.45E-04	5.45E-05
1333	437740.81	3725589.49	5.52E-03	1.20E-03	1.09E-03	1.51E-04	5.86E-03	6.99E-04	6.04E-04	5.10E-05
1334	437721.06	3725593.8	5.14E-03	1.12E-03	1.02E-03	1.40E-04	5.46E-03	6.51E-04	5.62E-04	4.76E-05
1335	437707.31	3725589.29	5.15E-03	1.12E-03	1.02E-03	1.40E-04	5.47E-03	6.52E-04	5.63E-04	4.76E-05
1336	437693.57	3725584.77	5.11E-03	1.11E-03	1.01E-03	1.39E-04	5.42E-03	6.47E-04	5.59E-04	4.72E-05
1337	437679.83	3725580.26	5.02E-03	1.09E-03	9.91E-04	1.37E-04	5.33E-03	6.36E-04	5.49E-04	4.64E-05
1338	437666.09	3725575.74	4.89E-03	1.06E-03	9.66E-04	1.33E-04	5.19E-03	6.19E-04	5.35E-04	4.52E-05
1339	437652.35	3725571.23	4.72E-03	1.03E-03	9.32E-04	1.29E-04	5.01E-03	5.97E-04	5.16E-04	4.36E-05
1340	437638.61	3725566.71	4.51E-03	9.79E-04	8.90E-04	1.23E-04	4.79E-03	5.71E-04	4.93E-04	4.17E-05
1341	437624.87	3725562.2	4.27E-03	9.27E-04	8.43E-04	1.16E-04	4.53E-03	5.41E-04	4.67E-04	3.95E-05
1342	437846.21	3725556.51	5.93E-03	1.29E-03	1.17E-03	1.62E-04	6.30E-03	7.51E-04	6.49E-04	5.48E-05
1343	437833.24	3725563.12	6.02E-03	1.31E-03	1.19E-03	1.64E-04	6.39E-03	7.62E-04	6.58E-04	5.56E-05
1344	437820.27	3725569.73	6.04E-03	1.31E-03	1.19E-03	1.65E-04	6.41E-03	7.65E-04	6.61E-04	5.58E-05
1345	437755.41	3725602.78	5.02E-03	1.09E-03	9.92E-04	1.37E-04	5.34E-03	6.36E-04	5.50E-04	4.65E-05
1346	437742.44	3725609.39	4.69E-03	1.02E-03	9.25E-04	1.28E-04	4.98E-03	5.93E-04	5.13E-04	4.33E-05
1347	437722.55	3725613.73	4.35E-03	9.45E-04	8.60E-04	1.19E-04	4.62E-03	5.51E-04	4.76E-04	4.02E-05
1348	437708.72	3725609.18	4.36E-03	9.47E-04	8.61E-04	1.19E-04	4.63E-03	5.52E-04	4.77E-04	4.03E-05
1349	437694.88	3725604.64	4.34E-03	9.43E-04	8.57E-04	1.18E-04	4.61E-03	5.49E-04	4.75E-04	4.01E-05
1350	437681.05	3725600.09	4.28E-03	9.31E-04	8.46E-04	1.17E-04	4.55E-03	5.43E-04	4.69E-04	3.96E-05
1351	437667.22	3725595.55	4.17E-03	9.06E-04	8.24E-04	1.14E-04	4.43E-03	5.28E-04	4.56E-04	3.86E-05
1352	437653.39	3725591.01	4.02E-03	8.74E-04	7.94E-04	1.10E-04	4.27E-03	5.09E-04	4.40E-04	3.72E-05
1353	437639.56	3725586.46	3.86E-03	8.39E-04	7.63E-04	1.05E-04	4.10E-03	4.89E-04	4.22E-04	3.57E-05
1354	437625.73	3725581.92	3.68E-03	7.98E-04	7.26E-04	1.00E-04	3.90E-03	4.65E-04	4.02E-04	3.40E-05
1355	437611.89	3725577.37	3.48E-03	7.57E-04	6.88E-04	9.51E-05	3.70E-03	4.41E-04	3.81E-04	3.22E-05
1356	437857.62	3725547.42	5.91E-03	1.28E-03	1.17E-03	1.61E-04	6.28E-03	7.49E-04	6.47E-04	5.47E-05
1357	437867.46	3725535.86	5.96E-03	1.29E-03	1.18E-03	1.62E-04	6.33E-03	7.54E-04	6.52E-04	5.51E-05
1358	437861.41	3725569.49	5.15E-03	1.12E-03	1.02E-03	1.41E-04	5.47E-03	6.52E-04	5.64E-04	4.77E-05
1359	437848.37	3725576.13	5.23E-03	1.14E-03	1.03E-03	1.43E-04	5.55E-03	6.62E-04	5.72E-04	4.83E-05
1360	437809.24	3725596.07	5.17E-03	1.12E-03	1.02E-03	1.41E-04	5.50E-03	6.55E-04	5.66E-04	4.79E-05
1361	437796.2	3725602.71	5.02E-03	1.09E-03	9.91E-04	1.37E-04	5.33E-03	6.35E-04	5.49E-04	4.64E-05
1362	437724.05	3725633.65	3.71E-03	8.07E-04	7.33E-04	1.01E-04	3.94E-03	4.70E-04	4.06E-04	3.43E-05
1363	437710.14	3725629.09	3.72E-03	8.07E-04	7.34E-04	1.01E-04	3.95E-03	4.71E-04	4.07E-04	3.44E-05
1364	437696.24	3725624.52	3.70E-03	8.03E-04	7.30E-04	1.01E-04	3.93E-03	4.68E-04	4.04E-04	3.42E-05
1365	437682.33	3725619.95	3.65E-03	7.92E-04	7.20E-04	9.95E-05	3.87E-03	4.62E-04	3.99E-04	3.37E-05
1366	437668.43	3725615.38	3.55E-03	7.72E-04	7.02E-04	9.70E-05	3.78E-03	4.50E-04	3.89E-04	3.29E-05
1367	437654.52	3725610.81	3.44E-03	7.46E-04	6.78E-04	9.37E-05	3.65E-03	4.35E-04	3.76E-04	3.18E-05
1368	437640.62	3725606.25	3.31E-03	7.19E-04	6.53E-04	9.03E-05	3.51E-03	4.19E-04	3.62E-04	3.06E-05
1369	437626.71	3725601.68	3.17E-03	6.89E-04	6.26E-04	8.65E-05	3.37E-03	4.02E-04	3.47E-04	2.93E-05
1370	437612.81	3725597.11	3.02E-03	6.56E-04	5.96E-04	8.24E-05	3.21E-03	3.82E-04	3.30E-04	2.79E-05
1371	437598.9	3725592.54	2.86E-03	6.21E-04	5.64E-04	7.80E-05	3.04E-03	3.62E-04	3.13E-04	2.64E-05
1372	437872.85	3725560.39	5.14E-03	1.12E-03	1.02E-03	1.40E-04	5.46E-03	6.51E-04	5.62E-04	4.75E-05
1373	437882.69	3725548.83	5.15E-03	1.12E-03	1.02E-03	1.41E-04	5.47E-03	6.53E-04	5.64E-04	4.77E-05
1374	437824.22	3725609.16	4.57E-03	9.92E-04	9.02E-04	1.25E-04	4.85E-03	5.78E-04	5.00E-04	4.22E-05
1375	437811.12	3725615.84	4.45E-03	9.68E-04	8.80E-04	1.22E-04	4.73E-03	5.64E-04	4.87E-04	4.12E-05
1376	437798.02	3725622.51	4.30E-03	9.35E-04	8.50E-04	1.17E-04	4.57E-03	5.45E-04	4.71E-04	3.98E-05
1377	437784.93	3725629.18	4.12E-03	8.96E-04	8.14E-04	1.12E-04	4.38E-03	5.22E-04	4.51E-04	3.81E-05
1378	437771.83	3725635.86	3.91E-03	8.50E-04	7.73E-04	1.07E-04	4.16E-03	4.95E-04	4.28E-04	3.62E-05
1379	437758.73	3725642.53	3.68E-03	7.99E-04	7.26E-04	1.00E-04	3.90E-03	4.65E-04	4.02E-04	3.40E-05
1380	437711.59	3725649	3.19E-03	6.92E-04	6.29E-04	8.69E-05	3.38E-03	4.03E-04	3.49E-04	2.95E-05
1381	437697.62	3725644.41	3.17E-03	6.88E-04	6.25E-04	8.64E-05	3.36E-03	4.01E-04	3.46E-04	2.93E-05
1382	437683.66	3725639.82	3.13E-03	6.79E-04	6.17E-04	8.53E-05	3.32E-03	3.96E-04	3.42E-04	2.89E-05
1383	437669.69	3725635.23	3.06E-03	6.65E-04	6.04E-04	8.35E-05	3.25E-03	3.87E-04	3.35E-04	2.83E-05
1384	437655.73	3725630.65	2.97E-03	6.45E-04	5.86E-04	8.10E-05	3.15E-03	3.76E-04	3.25E-04	2.74E-05
1385	437888.08	3725573.35	4.52E-03	9.83E-04	8.93E-04	1.23E-04	4.80E-03	5.73E-04	4.95E-04	4.18E-05
1386	437897.92	3725561.79	4.51E-03	9.81E-04	8.92E-04	1.23E-04	4.79E-03	5.72E-04	4.94E-04	4.17E-05
1387	437891.81	3725595.44	4.05E-03	8.80E-04	8.00E-04	1.10E-04	4.30E-03	5.13E-04	4.43E-04	3.74E-05
1388	437878.67	3725602.14	4.09E-03	8.88E-04	8.07E-04	1.11E-04	4.34E-03	5.17E-04	4.47E-04	3.78E-05

1389	437865.52	3725608.84	4.09E-03	8.89E-04	8.08E-04	1.12E-04	4.35E-03	5.18E-04	4.48E-04	3.79E-05
1390	437812.94	3725635.63	3.89E-03	8.44E-04	7.68E-04	1.06E-04	4.13E-03	4.92E-04	4.25E-04	3.60E-05
1391	437799.8	3725642.33	3.75E-03	8.15E-04	7.41E-04	1.02E-04	3.99E-03	4.75E-04	4.11E-04	3.47E-05
1392	437786.65	3725649.03	3.58E-03	7.78E-04	7.07E-04	9.77E-05	3.80E-03	4.54E-04	3.92E-04	3.31E-05
1393	437773.51	3725655.73	3.38E-03	7.35E-04	6.68E-04	9.23E-05	3.59E-03	4.29E-04	3.70E-04	3.13E-05
1394	437760.36	3725662.42	3.18E-03	6.91E-04	6.28E-04	8.68E-05	3.38E-03	4.03E-04	3.48E-04	2.94E-05
1395	437747.22	3725669.12	2.97E-03	6.45E-04	5.86E-04	8.10E-05	3.15E-03	3.76E-04	3.25E-04	2.74E-05
1396	437699.03	3725664.31	2.74E-03	5.95E-04	5.41E-04	7.47E-05	2.91E-03	3.47E-04	3.00E-04	2.53E-05
1397	437903.31	3725586.31	3.99E-03	8.68E-04	7.89E-04	1.09E-04	4.24E-03	5.06E-04	4.37E-04	3.69E-05
1398	437913.15	3725574.75	3.97E-03	8.63E-04	7.85E-04	1.08E-04	4.22E-03	5.03E-04	4.35E-04	3.67E-05
1399	437907.02	3725608.42	3.59E-03	7.80E-04	7.09E-04	9.80E-05	3.81E-03	4.55E-04	3.93E-04	3.32E-05
1400	437893.84	3725615.14	3.65E-03	7.93E-04	7.21E-04	9.96E-05	3.88E-03	4.62E-04	3.99E-04	3.38E-05
1401	437880.65	3725621.85	3.67E-03	7.98E-04	7.26E-04	1.00E-04	3.90E-03	4.65E-04	4.02E-04	3.40E-05
1402	437854.28	3725635.29	3.66E-03	7.94E-04	7.22E-04	9.98E-05	3.88E-03	4.63E-04	4.00E-04	3.38E-05
1403	437841.1	3725642.01	3.61E-03	7.84E-04	7.13E-04	9.85E-05	3.84E-03	4.57E-04	3.95E-04	3.34E-05
1404	437827.91	3725648.73	3.54E-03	7.69E-04	6.99E-04	9.65E-05	3.76E-03	4.48E-04	3.87E-04	3.27E-05
1405	437775.17	3725675.6	2.96E-03	6.44E-04	5.85E-04	8.09E-05	3.15E-03	3.75E-04	3.24E-04	2.74E-05
1406	437761.98	3725682.32	2.78E-03	6.04E-04	5.49E-04	7.59E-05	2.95E-03	3.52E-04	3.04E-04	2.57E-05
1407	437748.8	3725689.04	2.59E-03	5.63E-04	5.12E-04	7.07E-05	2.75E-03	3.28E-04	2.84E-04	2.40E-05
1408	437587.99	3725647.26	1.86E-03	4.04E-04	3.67E-04	5.07E-05	1.97E-03	2.35E-04	2.03E-04	1.72E-05
1409	437573.93	3725642.65	1.75E-03	3.80E-04	3.46E-04	4.78E-05	1.86E-03	2.22E-04	1.91E-04	1.62E-05
1410	437559.87	3725638.03	1.64E-03	3.56E-04	3.24E-04	4.47E-05	1.74E-03	2.08E-04	1.79E-04	1.52E-05
1411	437918.54	3725599.28	3.55E-03	7.72E-04	7.02E-04	9.69E-05	3.77E-03	4.50E-04	3.89E-04	3.29E-05
1412	437928.38	3725587.72	3.53E-03	7.67E-04	6.98E-04	9.64E-05	3.75E-03	4.47E-04	3.86E-04	3.27E-05
1413	437922.24	3725621.39	3.23E-03	7.01E-04	6.37E-04	8.81E-05	3.43E-03	4.09E-04	3.53E-04	2.98E-05
1414	437909.01	3725628.13	3.28E-03	7.14E-04	6.49E-04	8.96E-05	3.49E-03	4.16E-04	3.59E-04	3.04E-05
1415	437895.79	3725634.86	3.31E-03	7.20E-04	6.55E-04	9.04E-05	3.52E-03	4.20E-04	3.63E-04	3.07E-05
1416	437869.35	3725648.34	3.31E-03	7.20E-04	6.54E-04	9.04E-05	3.52E-03	4.19E-04	3.62E-04	3.06E-05
1417	437856.13	3725655.07	3.28E-03	7.12E-04	6.47E-04	8.94E-05	3.48E-03	4.15E-04	3.58E-04	3.03E-05
1418	437842.91	3725661.81	3.23E-03	7.01E-04	6.37E-04	8.80E-05	3.43E-03	4.08E-04	3.53E-04	2.98E-05
1419	437829.69	3725668.55	3.15E-03	6.83E-04	6.21E-04	8.58E-05	3.34E-03	3.98E-04	3.44E-04	2.91E-05
1420	437816.47	3725675.28	3.03E-03	6.59E-04	5.99E-04	8.28E-05	3.22E-03	3.84E-04	3.32E-04	2.81E-05
1421	437776.81	3725695.49	2.61E-03	5.68E-04	5.16E-04	7.13E-05	2.77E-03	3.31E-04	2.86E-04	2.42E-05
1422	437763.59	3725702.23	2.45E-03	5.32E-04	4.84E-04	6.69E-05	2.60E-03	3.10E-04	2.68E-04	2.27E-05
1423	437750.37	3725708.97	2.30E-03	4.99E-04	4.54E-04	6.27E-05	2.44E-03	2.91E-04	2.51E-04	2.12E-05
1424	437589.13	3725667.08	1.65E-03	3.59E-04	3.26E-04	4.51E-05	1.75E-03	2.09E-04	1.81E-04	1.53E-05
1425	437575.04	3725662.45	1.57E-03	3.42E-04	3.10E-04	4.29E-05	1.67E-03	1.99E-04	1.72E-04	1.45E-05
1426	437560.94	3725657.81	1.49E-03	3.24E-04	2.94E-04	4.06E-05	1.58E-03	1.89E-04	1.63E-04	1.38E-05
1427	437546.84	3725653.18	1.38E-03	3.00E-04	2.73E-04	3.77E-05	1.47E-03	1.75E-04	1.51E-04	1.28E-05
1428	437933.77	3725612.24	3.18E-03	6.91E-04	6.28E-04	8.68E-05	3.38E-03	4.03E-04	3.48E-04	2.94E-05
1429	437943.61	3725600.68	3.16E-03	6.87E-04	6.24E-04	8.62E-05	3.36E-03	4.00E-04	3.46E-04	2.92E-05
1430	437937.45	3725634.36	2.91E-03	6.33E-04	5.75E-04	7.95E-05	3.09E-03	3.69E-04	3.19E-04	2.69E-05
1431	437924.2	3725641.11	2.98E-03	6.48E-04	5.89E-04	8.14E-05	3.17E-03	3.78E-04	3.26E-04	2.76E-05
1432	437910.95	3725647.87	3.02E-03	6.56E-04	5.97E-04	8.24E-05	3.21E-03	3.82E-04	3.30E-04	2.79E-05
1433	437884.45	3725661.37	3.02E-03	6.56E-04	5.97E-04	8.24E-05	3.21E-03	3.82E-04	3.30E-04	2.79E-05
1434	437871.2	3725668.12	3.00E-03	6.51E-04	5.92E-04	8.18E-05	3.18E-03	3.80E-04	3.28E-04	2.77E-05
1435	437857.94	3725674.87	2.96E-03	6.43E-04	5.84E-04	8.07E-05	3.14E-03	3.75E-04	3.24E-04	2.74E-05
1436	437844.69	3725681.63	2.89E-03	6.29E-04	5.72E-04	7.90E-05	3.07E-03	3.66E-04	3.17E-04	2.68E-05
1437	437831.44	3725688.38	2.81E-03	6.10E-04	5.55E-04	7.66E-05	2.98E-03	3.56E-04	3.07E-04	2.60E-05
1438	437791.69	3725708.63	2.47E-03	5.36E-04	4.87E-04	6.73E-05	2.62E-03	3.12E-04	2.70E-04	2.28E-05
1439	437778.44	3725715.39	2.32E-03	5.04E-04	4.58E-04	6.32E-05	2.46E-03	2.93E-04	2.54E-04	2.14E-05
1440	437562.07	3725677.62	1.34E-03	2.91E-04	2.64E-04	3.65E-05	1.42E-03	1.69E-04	1.46E-04	1.24E-05
1441	437547.94	3725672.98	1.26E-03	2.73E-04	2.48E-04	3.43E-05	1.33E-03	1.59E-04	1.37E-04	1.16E-05
1442	437533.81	3725668.34	1.17E-03	2.54E-04	2.31E-04	3.20E-05	1.24E-03	1.48E-04	1.28E-04	1.08E-05
1443	437949	3725625.21	2.87E-03	6.24E-04	5.67E-04	7.84E-05	3.05E-03	3.64E-04	3.14E-04	2.66E-05
1444	437958.84	3725613.65	2.85E-03	6.19E-04	5.62E-04	7.77E-05	3.02E-03	3.61E-04	3.11E-04	2.63E-05
1445	437960.27	3725653.82	2.52E-03	5.47E-04	4.97E-04	6.87E-05	2.67E-03	3.19E-04	2.75E-04	2.33E-05
1446	437946.98	3725660.59	2.58E-03	5.60E-04	5.09E-04	7.03E-05	2.74E-03	3.26E-04	2.82E-04	2.38E-05

1447	437933.69	3725667.36	2.62E-03	5.70E-04	5.18E-04	7.16E-05	2.79E-03	3.32E-04	2.87E-04	2.43E-05
1448	437907.12	3725680.9	2.65E-03	5.76E-04	5.24E-04	7.24E-05	2.82E-03	3.36E-04	2.90E-04	2.45E-05
1449	437893.83	3725687.68	2.64E-03	5.74E-04	5.21E-04	7.20E-05	2.80E-03	3.34E-04	2.89E-04	2.44E-05
1450	437880.54	3725694.45	2.61E-03	5.67E-04	5.15E-04	7.12E-05	2.77E-03	3.30E-04	2.85E-04	2.41E-05
1451	437867.25	3725701.22	2.56E-03	5.57E-04	5.07E-04	7.00E-05	2.72E-03	3.25E-04	2.81E-04	2.37E-05
1452	437853.96	3725707.99	2.51E-03	5.45E-04	4.95E-04	6.84E-05	2.66E-03	3.18E-04	2.74E-04	2.32E-05
1453	437814.09	3725728.31	2.26E-03	4.90E-04	4.46E-04	6.16E-05	2.40E-03	2.86E-04	2.47E-04	2.09E-05
1454	437800.8	3725735.08	2.14E-03	4.65E-04	4.23E-04	5.84E-05	2.27E-03	2.71E-04	2.34E-04	1.98E-05
1455	437521.34	3725693.4	9.75E-04	2.12E-04	1.93E-04	2.66E-05	1.04E-03	1.23E-04	1.07E-04	9.02E-06
1456	437971.84	3725644.65	2.48E-03	5.38E-04	4.89E-04	6.75E-05	2.63E-03	3.13E-04	2.71E-04	2.29E-05
1457	437981.68	3725633.09	2.45E-03	5.33E-04	4.84E-04	6.69E-05	2.61E-03	3.11E-04	2.68E-04	2.27E-05
1458	437983.1	3725673.27	2.20E-03	4.79E-04	4.35E-04	6.02E-05	2.34E-03	2.79E-04	2.41E-04	2.04E-05
1459	437969.78	3725680.06	2.26E-03	4.90E-04	4.46E-04	6.16E-05	2.40E-03	2.86E-04	2.47E-04	2.09E-05
1460	437956.46	3725686.85	2.29E-03	4.98E-04	4.53E-04	6.25E-05	2.43E-03	2.90E-04	2.51E-04	2.12E-05
1461	437929.81	3725700.42	2.32E-03	5.05E-04	4.59E-04	6.34E-05	2.47E-03	2.94E-04	2.54E-04	2.15E-05
1462	437916.49	3725707.21	2.32E-03	5.04E-04	4.58E-04	6.33E-05	2.46E-03	2.94E-04	2.54E-04	2.15E-05
1463	437903.17	3725714	2.30E-03	5.00E-04	4.54E-04	6.28E-05	2.44E-03	2.91E-04	2.52E-04	2.13E-05
1464	437889.85	3725720.79	2.27E-03	4.94E-04	4.49E-04	6.20E-05	2.41E-03	2.88E-04	2.49E-04	2.10E-05
1465	437876.52	3725727.58	2.23E-03	4.85E-04	4.41E-04	6.09E-05	2.37E-03	2.83E-04	2.44E-04	2.06E-05
1466	437836.55	3725747.95	2.05E-03	4.46E-04	4.06E-04	5.60E-05	2.18E-03	2.60E-04	2.25E-04	1.90E-05
1467	437823.23	3725754.73	1.97E-03	4.27E-04	3.88E-04	5.36E-05	2.09E-03	2.49E-04	2.15E-04	1.82E-05
1468	437494.7	3725713.8	7.81E-04	1.70E-04	1.54E-04	2.13E-05	8.29E-04	9.89E-05	8.54E-05	7.22E-06
1469	437994.68	3725664.1	2.16E-03	4.70E-04	4.28E-04	5.91E-05	2.30E-03	2.74E-04	2.37E-04	2.00E-05
1470	438004.52	3725652.54	2.14E-03	4.66E-04	4.23E-04	5.85E-05	2.28E-03	2.71E-04	2.34E-04	1.98E-05
1471	438005.93	3725692.72	1.94E-03	4.22E-04	3.84E-04	5.30E-05	2.06E-03	2.46E-04	2.13E-04	1.80E-05
1472	437992.58	3725699.53	1.99E-03	4.32E-04	3.93E-04	5.42E-05	2.11E-03	2.52E-04	2.17E-04	1.84E-05
1473	437979.23	3725706.33	2.02E-03	4.39E-04	3.99E-04	5.51E-05	2.15E-03	2.56E-04	2.21E-04	1.87E-05
1474	437952.53	3725719.93	2.05E-03	4.46E-04	4.05E-04	5.60E-05	2.18E-03	2.60E-04	2.24E-04	1.90E-05
1475	437939.18	3725726.74	2.05E-03	4.46E-04	4.05E-04	5.60E-05	2.18E-03	2.60E-04	2.25E-04	1.90E-05
1476	437925.83	3725733.54	2.04E-03	4.44E-04	4.03E-04	5.57E-05	2.17E-03	2.59E-04	2.23E-04	1.89E-05
1477	437912.48	3725740.34	2.02E-03	4.39E-04	3.99E-04	5.52E-05	2.15E-03	2.56E-04	2.21E-04	1.87E-05
1478	437899.13	3725747.14	1.99E-03	4.33E-04	3.94E-04	5.44E-05	2.12E-03	2.53E-04	2.18E-04	1.84E-05
1479	437859.08	3725767.55	1.86E-03	4.05E-04	3.68E-04	5.08E-05	1.98E-03	2.36E-04	2.04E-04	1.72E-05
1480	437845.73	3725774.36	1.80E-03	3.90E-04	3.55E-04	4.90E-05	1.91E-03	2.28E-04	1.97E-04	1.66E-05
1481	437468.02	3725734.19	6.37E-04	1.38E-04	1.26E-04	1.74E-05	6.76E-04	8.06E-05	6.96E-05	5.89E-06
1482	438017.53	3725683.54	1.91E-03	4.15E-04	3.77E-04	5.21E-05	2.03E-03	2.42E-04	2.09E-04	1.77E-05
1483	438027.37	3725671.98	1.89E-03	4.10E-04	3.73E-04	5.15E-05	2.00E-03	2.39E-04	2.06E-04	1.75E-05
1484	437975.27	3725739.43	1.83E-03	3.97E-04	3.61E-04	4.99E-05	1.94E-03	2.31E-04	2.00E-04	1.69E-05
1485	437961.9	3725746.25	1.83E-03	3.98E-04	3.62E-04	5.00E-05	1.95E-03	2.32E-04	2.01E-04	1.70E-05
1486	437948.52	3725753.06	1.83E-03	3.97E-04	3.61E-04	4.99E-05	1.94E-03	2.32E-04	2.00E-04	1.69E-05
1487	437935.15	3725759.88	1.82E-03	3.94E-04	3.59E-04	4.95E-05	1.93E-03	2.30E-04	1.99E-04	1.68E-05
1488	437921.77	3725766.69	1.80E-03	3.90E-04	3.55E-04	4.90E-05	1.91E-03	2.28E-04	1.97E-04	1.66E-05
1489	437881.65	3725787.14	1.69E-03	3.68E-04	3.34E-04	4.62E-05	1.80E-03	2.14E-04	1.85E-04	1.57E-05
1490	437868.28	3725793.95	1.65E-03	3.57E-04	3.25E-04	4.49E-05	1.75E-03	2.08E-04	1.80E-04	1.52E-05
1491	437484.09	3725768.62	6.12E-04	1.33E-04	1.21E-04	1.67E-05	6.50E-04	7.74E-05	6.69E-05	5.66E-06
1492	437469.83	3725763.93	5.83E-04	1.27E-04	1.15E-04	1.59E-05	6.19E-04	7.38E-05	6.38E-05	5.39E-06
1493	437455.57	3725759.25	5.58E-04	1.21E-04	1.10E-04	1.52E-05	5.93E-04	7.06E-05	6.10E-05	5.16E-06
1494	438040.37	3725702.99	1.70E-03	3.68E-04	3.35E-04	4.63E-05	1.80E-03	2.15E-04	1.86E-04	1.57E-05
1495	438050.21	3725691.43	1.67E-03	3.63E-04	3.30E-04	4.56E-05	1.78E-03	2.12E-04	1.83E-04	1.55E-05
1496	438051.6	3725731.63	1.54E-03	3.34E-04	3.03E-04	4.19E-05	1.63E-03	1.94E-04	1.68E-04	1.42E-05
1497	438038.21	3725738.45	1.57E-03	3.41E-04	3.10E-04	4.28E-05	1.67E-03	1.99E-04	1.72E-04	1.45E-05
1498	437998.02	3725758.93	1.63E-03	3.55E-04	3.22E-04	4.45E-05	1.73E-03	2.07E-04	1.78E-04	1.51E-05
1499	437984.63	3725765.75	1.64E-03	3.56E-04	3.24E-04	4.47E-05	1.74E-03	2.07E-04	1.79E-04	1.51E-05
1500	437971.23	3725772.58	1.64E-03	3.56E-04	3.24E-04	4.47E-05	1.74E-03	2.07E-04	1.79E-04	1.52E-05
1501	437957.84	3725779.4	1.63E-03	3.55E-04	3.22E-04	4.45E-05	1.73E-03	2.07E-04	1.79E-04	1.51E-05
1502	437944.44	3725786.23	1.62E-03	3.52E-04	3.20E-04	4.42E-05	1.72E-03	2.05E-04	1.77E-04	1.50E-05
1503	437904.26	3725806.71	1.55E-03	3.36E-04	3.05E-04	4.22E-05	1.64E-03	1.96E-04	1.69E-04	1.43E-05
1504	437890.86	3725813.53	1.51E-03	3.28E-04	2.98E-04	4.12E-05	1.60E-03	1.91E-04	1.65E-04	1.40E-05

1505	437500.27	3725803.09	5.83E-04	1.27E-04	1.15E-04	1.59E-05	6.19E-04	7.38E-05	6.38E-05	5.39E-06
1506	437485.98	3725798.4	5.59E-04	1.21E-04	1.10E-04	1.52E-05	5.94E-04	7.08E-05	6.11E-05	5.17E-06
1507	437471.7	3725793.7	5.35E-04	1.16E-04	1.06E-04	1.46E-05	5.68E-04	6.77E-05	5.85E-05	4.95E-06
1508	437457.42	3725789.01	5.15E-04	1.12E-04	1.02E-04	1.40E-05	5.47E-04	6.52E-05	5.63E-05	4.76E-06
1509	437443.13	3725784.32	4.96E-04	1.08E-04	9.79E-05	1.35E-05	5.26E-04	6.28E-05	5.42E-05	4.58E-06
1510	437428.85	3725779.63	4.77E-04	1.04E-04	9.43E-05	1.30E-05	5.07E-04	6.04E-05	5.22E-05	4.41E-06
1511	438063.22	3725722.43	1.51E-03	3.29E-04	2.99E-04	4.13E-05	1.61E-03	1.92E-04	1.65E-04	1.40E-05
1512	438073.06	3725710.87	1.50E-03	3.25E-04	2.96E-04	4.08E-05	1.59E-03	1.89E-04	1.64E-04	1.38E-05
1513	438020.78	3725778.41	1.46E-03	3.18E-04	2.89E-04	3.99E-05	1.55E-03	1.85E-04	1.60E-04	1.35E-05
1514	438007.37	3725785.25	1.47E-03	3.20E-04	2.91E-04	4.01E-05	1.56E-03	1.86E-04	1.61E-04	1.36E-05
1515	437993.96	3725792.08	1.47E-03	3.20E-04	2.91E-04	4.02E-05	1.57E-03	1.87E-04	1.61E-04	1.36E-05
1516	437980.54	3725798.92	1.47E-03	3.20E-04	2.91E-04	4.02E-05	1.56E-03	1.86E-04	1.61E-04	1.36E-05
1517	437967.13	3725805.75	1.47E-03	3.18E-04	2.89E-04	4.00E-05	1.56E-03	1.86E-04	1.60E-04	1.36E-05
1518	437953.72	3725812.59	1.45E-03	3.16E-04	2.87E-04	3.96E-05	1.54E-03	1.84E-04	1.59E-04	1.34E-05
1519	437940.3	3725819.42	1.44E-03	3.12E-04	2.84E-04	3.92E-05	1.53E-03	1.82E-04	1.57E-04	1.33E-05
1520	437926.89	3725826.26	1.41E-03	3.07E-04	2.79E-04	3.86E-05	1.50E-03	1.79E-04	1.55E-04	1.31E-05
1521	437913.48	3725833.09	1.39E-03	3.01E-04	2.74E-04	3.78E-05	1.47E-03	1.76E-04	1.52E-04	1.28E-05
1522	437530.84	3725842.28	5.72E-04	1.24E-04	1.13E-04	1.56E-05	6.07E-04	7.24E-05	6.26E-05	5.29E-06
1523	437502.23	3725832.89	5.30E-04	1.15E-04	1.05E-04	1.45E-05	5.63E-04	6.71E-05	5.80E-05	4.90E-06
1524	437487.93	3725828.19	5.11E-04	1.11E-04	1.01E-04	1.40E-05	5.43E-04	6.47E-05	5.59E-05	4.73E-06
1525	437473.63	3725823.49	4.93E-04	1.07E-04	9.73E-05	1.34E-05	5.23E-04	6.24E-05	5.39E-05	4.56E-06
1526	437459.32	3725818.79	4.76E-04	1.03E-04	9.40E-05	1.30E-05	5.06E-04	6.03E-05	5.21E-05	4.40E-06
1527	437445.02	3725814.09	4.60E-04	1.00E-04	9.09E-05	1.26E-05	4.89E-04	5.83E-05	5.03E-05	4.26E-06
1528	437430.72	3725809.39	4.45E-04	9.68E-05	8.80E-05	1.22E-05	4.73E-04	5.64E-05	4.87E-05	4.12E-06
1529	437416.42	3725804.7	4.31E-04	9.36E-05	8.51E-05	1.18E-05	4.58E-04	5.46E-05	4.71E-05	3.99E-06
1530	438097.27	3725770.53	1.24E-03	2.69E-04	2.44E-04	3.37E-05	1.31E-03	1.56E-04	1.35E-04	1.14E-05
1531	438083.84	3725777.37	1.26E-03	2.74E-04	2.49E-04	3.44E-05	1.34E-03	1.60E-04	1.38E-04	1.17E-05
1532	437976.41	3725832.11	1.32E-03	2.87E-04	2.61E-04	3.61E-05	1.40E-03	1.67E-04	1.45E-04	1.22E-05
1533	437962.98	3725838.96	1.31E-03	2.85E-04	2.59E-04	3.57E-05	1.39E-03	1.66E-04	1.43E-04	1.21E-05
1534	437949.55	3725845.8	1.29E-03	2.81E-04	2.56E-04	3.53E-05	1.37E-03	1.64E-04	1.42E-04	1.20E-05
1535	437936.12	3725852.64	1.27E-03	2.77E-04	2.51E-04	3.47E-05	1.35E-03	1.61E-04	1.39E-04	1.18E-05
1536	437547.19	3725876.81	5.36E-04	1.16E-04	1.06E-04	1.46E-05	5.69E-04	6.79E-05	5.86E-05	4.96E-06
1537	437532.87	3725872.11	5.18E-04	1.13E-04	1.02E-04	1.41E-05	5.51E-04	6.56E-05	5.67E-05	4.79E-06
1538	437518.56	3725867.4	5.02E-04	1.09E-04	9.91E-05	1.37E-05	5.33E-04	6.35E-05	5.49E-05	4.64E-06
1539	437504.24	3725862.7	4.85E-04	1.05E-04	9.59E-05	1.32E-05	5.16E-04	6.15E-05	5.31E-05	4.49E-06
1540	437489.92	3725858	4.70E-04	1.02E-04	9.28E-05	1.28E-05	4.99E-04	5.95E-05	5.14E-05	4.35E-06
1541	437461.28	3725848.59	4.41E-04	9.58E-05	8.71E-05	1.20E-05	4.68E-04	5.58E-05	4.82E-05	4.08E-06
1542	437446.96	3725843.88	4.27E-04	9.28E-05	8.44E-05	1.17E-05	4.54E-04	5.41E-05	4.67E-05	3.95E-06
1543	437432.64	3725839.18	4.14E-04	9.00E-05	8.19E-05	1.13E-05	4.40E-04	5.25E-05	4.53E-05	3.83E-06
1544	437418.32	3725834.47	4.03E-04	8.75E-05	7.95E-05	1.10E-05	4.28E-04	5.10E-05	4.41E-05	3.73E-06
1545	437404	3725829.77	3.91E-04	8.49E-05	7.72E-05	1.07E-05	4.15E-04	4.95E-05	4.27E-05	3.61E-06
1546	438108.91	3725761.32	1.22E-03	2.65E-04	2.40E-04	3.32E-05	1.29E-03	1.54E-04	1.33E-04	1.13E-05
1547	438118.75	3725749.76	1.21E-03	2.62E-04	2.39E-04	3.30E-05	1.28E-03	1.53E-04	1.32E-04	1.12E-05
1548	438120.11	3725789.97	1.12E-03	2.43E-04	2.21E-04	3.05E-05	1.19E-03	1.42E-04	1.22E-04	1.03E-05
1549	438106.67	3725796.82	1.14E-03	2.48E-04	2.26E-04	3.12E-05	1.21E-03	1.45E-04	1.25E-04	1.06E-05
1550	438093.22	3725803.67	1.16E-03	2.52E-04	2.30E-04	3.17E-05	1.23E-03	1.47E-04	1.27E-04	1.07E-05
1551	438079.78	3725810.53	1.18E-03	2.56E-04	2.33E-04	3.21E-05	1.25E-03	1.49E-04	1.29E-04	1.09E-05
1552	438066.33	3725817.38	1.19E-03	2.59E-04	2.35E-04	3.25E-05	1.27E-03	1.51E-04	1.30E-04	1.10E-05
1553	438052.89	3725824.23	1.20E-03	2.61E-04	2.38E-04	3.28E-05	1.28E-03	1.52E-04	1.32E-04	1.11E-05
1554	438039.45	3725831.08	1.21E-03	2.63E-04	2.39E-04	3.30E-05	1.28E-03	1.53E-04	1.32E-04	1.12E-05
1555	438026	3725837.93	1.21E-03	2.63E-04	2.39E-04	3.31E-05	1.29E-03	1.53E-04	1.33E-04	1.12E-05
1556	437606.62	3725925.49	5.50E-04	1.19E-04	1.09E-04	1.50E-05	5.84E-04	6.96E-05	6.02E-05	5.09E-06
1557	437592.28	3725920.78	5.34E-04	1.16E-04	1.05E-04	1.46E-05	5.67E-04	6.76E-05	5.84E-05	4.94E-06
1558	437577.95	3725916.07	5.19E-04	1.13E-04	1.03E-04	1.42E-05	5.52E-04	6.57E-05	5.68E-05	4.80E-06
1559	437549.28	3725906.65	4.90E-04	1.06E-04	9.67E-05	1.34E-05	5.20E-04	6.20E-05	5.36E-05	4.53E-06
1560	437534.94	3725901.94	4.74E-04	1.03E-04	9.37E-05	1.29E-05	5.04E-04	6.01E-05	5.19E-05	4.39E-06
1561	437520.61	3725897.23	4.60E-04	9.99E-05	9.08E-05	1.25E-05	4.89E-04	5.82E-05	5.03E-05	4.25E-06
1562	437506.27	3725892.52	4.46E-04	9.70E-05	8.82E-05	1.22E-05	4.74E-04	5.65E-05	4.88E-05	4.13E-06

1563	437491.94	3725887.81	4.34E-04	9.43E-05	8.57E-05	1.18E-05	4.61E-04	5.49E-05	4.75E-05	4.01E-06
1564	437477.6	3725883.1	4.22E-04	9.17E-05	8.33E-05	1.15E-05	4.48E-04	5.34E-05	4.62E-05	3.90E-06
1565	437463.27	3725878.4	4.10E-04	8.91E-05	8.10E-05	1.12E-05	4.35E-04	5.19E-05	4.48E-05	3.79E-06
1566	437448.93	3725873.69	3.99E-04	8.66E-05	7.87E-05	1.09E-05	4.23E-04	5.05E-05	4.36E-05	3.69E-06
1567	437420.27	3725864.27	3.76E-04	8.18E-05	7.43E-05	1.03E-05	4.00E-04	4.76E-05	4.12E-05	3.48E-06
1568	437405.93	3725859.56	3.66E-04	7.95E-05	7.22E-05	9.98E-06	3.88E-04	4.63E-05	4.00E-05	3.38E-06
1569	437391.6	3725854.85	3.55E-04	7.72E-05	7.02E-05	9.69E-06	3.77E-04	4.50E-05	3.89E-05	3.29E-06
1570	438131.75	3725780.77	1.10E-03	2.40E-04	2.18E-04	3.01E-05	1.17E-03	1.40E-04	1.21E-04	1.02E-05
1571	438141.59	3725769.21	1.10E-03	2.38E-04	2.17E-04	2.99E-05	1.17E-03	1.39E-04	1.20E-04	1.02E-05
1572	438142.95	3725809.42	1.02E-03	2.21E-04	2.01E-04	2.78E-05	1.08E-03	1.29E-04	1.11E-04	9.42E-06
1573	438129.49	3725816.28	1.04E-03	2.25E-04	2.05E-04	2.83E-05	1.10E-03	1.31E-04	1.14E-04	9.60E-06
1574	438116.03	3725823.14	1.06E-03	2.30E-04	2.09E-04	2.88E-05	1.12E-03	1.34E-04	1.16E-04	9.78E-06
1575	438102.58	3725829.99	1.07E-03	2.33E-04	2.12E-04	2.93E-05	1.14E-03	1.36E-04	1.18E-04	9.93E-06
1576	438089.12	3725836.85	1.09E-03	2.36E-04	2.15E-04	2.97E-05	1.15E-03	1.38E-04	1.19E-04	1.01E-05
1577	438075.66	3725843.71	1.10E-03	2.38E-04	2.17E-04	2.99E-05	1.16E-03	1.39E-04	1.20E-04	1.01E-05
1578	438062.21	3725850.56	1.10E-03	2.40E-04	2.18E-04	3.01E-05	1.17E-03	1.40E-04	1.21E-04	1.02E-05
1579	438048.75	3725857.42	1.11E-03	2.40E-04	2.19E-04	3.02E-05	1.18E-03	1.40E-04	1.21E-04	1.02E-05
1580	438035.3	3725864.28	1.11E-03	2.41E-04	2.19E-04	3.02E-05	1.18E-03	1.40E-04	1.21E-04	1.02E-05
1581	438021.84	3725871.14	1.10E-03	2.40E-04	2.18E-04	3.01E-05	1.17E-03	1.40E-04	1.21E-04	1.02E-05
1582	438008.38	3725877.99	1.10E-03	2.39E-04	2.17E-04	3.00E-05	1.17E-03	1.39E-04	1.20E-04	1.02E-05
1583	437994.93	3725884.85	1.09E-03	2.37E-04	2.16E-04	2.98E-05	1.16E-03	1.38E-04	1.19E-04	1.01E-05
1584	437623.13	3725960.06	5.23E-04	1.14E-04	1.03E-04	1.43E-05	5.56E-04	6.63E-05	5.73E-05	4.84E-06
1585	437608.78	3725955.35	5.08E-04	1.10E-04	1.00E-04	1.39E-05	5.40E-04	6.44E-05	5.56E-05	4.70E-06
1586	437594.43	3725950.64	4.94E-04	1.07E-04	9.75E-05	1.35E-05	5.24E-04	6.25E-05	5.40E-05	4.57E-06
1587	437580.08	3725945.92	4.80E-04	1.04E-04	9.47E-05	1.31E-05	5.10E-04	6.07E-05	5.25E-05	4.44E-06
1588	437565.73	3725941.21	4.66E-04	1.01E-04	9.21E-05	1.27E-05	4.95E-04	5.90E-05	5.10E-05	4.31E-06
1589	437551.38	3725936.5	4.53E-04	9.84E-05	8.95E-05	1.24E-05	4.81E-04	5.74E-05	4.96E-05	4.19E-06
1590	437508.34	3725922.36	4.15E-04	9.03E-05	8.20E-05	1.13E-05	4.41E-04	5.26E-05	4.54E-05	3.84E-06
1591	437493.99	3725917.64	4.04E-04	8.78E-05	7.98E-05	1.10E-05	4.29E-04	5.12E-05	4.42E-05	3.74E-06
1592	437479.64	3725912.93	3.93E-04	8.54E-05	7.77E-05	1.07E-05	4.18E-04	4.98E-05	4.30E-05	3.64E-06
1593	437465.29	3725908.21	3.83E-04	8.32E-05	7.56E-05	1.04E-05	4.07E-04	4.85E-05	4.19E-05	3.54E-06
1594	437450.94	3725903.5	3.73E-04	8.10E-05	7.37E-05	1.02E-05	3.96E-04	4.72E-05	4.08E-05	3.45E-06
1595	437436.6	3725898.79	3.63E-04	7.89E-05	7.17E-05	9.91E-06	3.86E-04	4.60E-05	3.97E-05	3.36E-06
1596	437422.25	3725894.07	3.53E-04	7.67E-05	6.98E-05	9.64E-06	3.75E-04	4.47E-05	3.86E-05	3.27E-06
1597	437407.9	3725889.36	3.44E-04	7.47E-05	6.79E-05	9.38E-06	3.65E-04	4.35E-05	3.76E-05	3.18E-06
1598	437364.85	3725875.22	3.14E-04	6.82E-05	6.20E-05	8.56E-06	3.33E-04	3.97E-05	3.43E-05	2.90E-06
1599	438154.6	3725800.21	1.01E-03	2.19E-04	1.99E-04	2.75E-05	1.07E-03	1.28E-04	1.10E-04	9.31E-06
1600	438164.44	3725788.65	1.00E-03	2.17E-04	1.98E-04	2.73E-05	1.06E-03	1.27E-04	1.09E-04	9.26E-06
1601	438165.79	3725828.87	9.33E-04	2.03E-04	1.84E-04	2.54E-05	9.91E-04	1.18E-04	1.02E-04	8.63E-06
1602	438152.32	3725835.73	9.51E-04	2.07E-04	1.88E-04	2.59E-05	1.01E-03	1.20E-04	1.04E-04	8.79E-06
1603	438138.85	3725842.6	9.66E-04	2.10E-04	1.91E-04	2.64E-05	1.03E-03	1.22E-04	1.06E-04	8.93E-06
1604	438125.38	3725849.46	9.80E-04	2.13E-04	1.94E-04	2.68E-05	1.04E-03	1.24E-04	1.07E-04	9.07E-06
1605	438111.91	3725856.32	9.93E-04	2.16E-04	1.96E-04	2.71E-05	1.05E-03	1.26E-04	1.09E-04	9.18E-06
1606	438098.45	3725863.19	1.00E-03	2.18E-04	1.98E-04	2.74E-05	1.06E-03	1.27E-04	1.10E-04	9.27E-06
1607	438084.98	3725870.05	1.01E-03	2.19E-04	1.99E-04	2.75E-05	1.07E-03	1.28E-04	1.10E-04	9.34E-06
1608	438071.51	3725876.91	1.01E-03	2.20E-04	2.00E-04	2.77E-05	1.08E-03	1.28E-04	1.11E-04	9.38E-06
1609	438058.04	3725883.77	1.02E-03	2.21E-04	2.01E-04	2.77E-05	1.08E-03	1.29E-04	1.11E-04	9.39E-06
1610	438044.57	3725890.64	1.02E-03	2.21E-04	2.01E-04	2.77E-05	1.08E-03	1.29E-04	1.11E-04	9.39E-06
1611	438031.1	3725897.5	1.01E-03	2.20E-04	2.00E-04	2.76E-05	1.07E-03	1.28E-04	1.11E-04	9.36E-06
1612	438017.64	3725904.36	1.01E-03	2.19E-04	1.99E-04	2.75E-05	1.07E-03	1.27E-04	1.10E-04	9.31E-06
1613	438004.17	3725911.23	9.98E-04	2.17E-04	1.97E-04	2.72E-05	1.06E-03	1.26E-04	1.09E-04	9.23E-06
1614	437610.95	3725985.22	4.73E-04	1.03E-04	9.34E-05	1.29E-05	5.02E-04	5.99E-05	5.17E-05	4.37E-06
1615	437596.59	3725980.5	4.59E-04	9.97E-05	9.07E-05	1.25E-05	4.88E-04	5.81E-05	5.02E-05	4.25E-06
1616	437582.23	3725975.78	4.46E-04	9.69E-05	8.81E-05	1.22E-05	4.74E-04	5.65E-05	4.88E-05	4.12E-06
1617	437567.87	3725971.07	4.33E-04	9.41E-05	8.55E-05	1.18E-05	4.60E-04	5.48E-05	4.74E-05	4.00E-06
1618	437553.51	3725966.35	4.21E-04	9.15E-05	8.31E-05	1.15E-05	4.47E-04	5.33E-05	4.60E-05	3.89E-06
1619	437539.15	3725961.63	4.10E-04	8.90E-05	8.09E-05	1.12E-05	4.35E-04	5.19E-05	4.48E-05	3.79E-06
1620	437524.79	3725956.91	3.99E-04	8.66E-05	7.88E-05	1.09E-05	4.24E-04	5.05E-05	4.36E-05	3.69E-06

1621	437510.43	3725952.2	3.89E-04	8.45E-05	7.68E-05	1.06E-05	4.13E-04	4.92E-05	4.25E-05	3.60E-06
1622	437467.35	3725938.04	3.59E-04	7.81E-05	7.10E-05	9.80E-06	3.82E-04	4.55E-05	3.93E-05	3.32E-06
1623	437452.98	3725933.32	3.51E-04	7.62E-05	6.93E-05	9.57E-06	3.72E-04	4.44E-05	3.84E-05	3.24E-06
1624	437438.62	3725928.61	3.42E-04	7.43E-05	6.76E-05	9.34E-06	3.63E-04	4.33E-05	3.74E-05	3.16E-06
1625	437424.26	3725923.89	3.34E-04	7.25E-05	6.59E-05	9.11E-06	3.55E-04	4.23E-05	3.65E-05	3.09E-06
1626	437409.9	3725919.17	3.26E-04	7.07E-05	6.43E-05	8.88E-06	3.46E-04	4.12E-05	3.56E-05	3.01E-06
1627	437381.18	3725909.74	3.06E-04	6.64E-05	6.04E-05	8.34E-06	3.25E-04	3.87E-05	3.34E-05	2.83E-06
1628	437366.82	3725905.02	2.96E-04	6.42E-05	5.84E-05	8.07E-06	3.14E-04	3.74E-05	3.23E-05	2.73E-06
1629	437352.46	3725900.3	2.86E-04	6.21E-05	5.65E-05	7.80E-06	3.04E-04	3.62E-05	3.13E-05	2.64E-06
1630	438177.44	3725819.66	9.20E-04	2.00E-04	1.82E-04	2.51E-05	9.77E-04	1.17E-04	1.01E-04	8.51E-06
1631	438187.28	3725808.1	9.14E-04	1.98E-04	1.80E-04	2.49E-05	9.70E-04	1.16E-04	9.99E-05	8.45E-06
1632	438196.24	3725854.8	8.32E-04	1.81E-04	1.64E-04	2.27E-05	8.84E-04	1.05E-04	9.10E-05	7.69E-06
1633	438182.76	3725861.67	8.48E-04	1.84E-04	1.67E-04	2.31E-05	9.00E-04	1.07E-04	9.27E-05	7.84E-06
1634	438169.27	3725868.54	8.61E-04	1.87E-04	1.70E-04	2.35E-05	9.15E-04	1.09E-04	9.42E-05	7.97E-06
1635	438155.79	3725875.41	8.74E-04	1.90E-04	1.73E-04	2.39E-05	9.29E-04	1.11E-04	9.56E-05	8.09E-06
1636	438142.31	3725882.28	8.86E-04	1.92E-04	1.75E-04	2.42E-05	9.41E-04	1.12E-04	9.69E-05	8.19E-06
1637	438128.83	3725889.15	8.95E-04	1.94E-04	1.77E-04	2.44E-05	9.51E-04	1.13E-04	9.79E-05	8.28E-06
1638	438115.35	3725896.02	9.02E-04	1.96E-04	1.78E-04	2.46E-05	9.58E-04	1.14E-04	9.87E-05	8.34E-06
1639	438101.86	3725902.89	9.07E-04	1.97E-04	1.79E-04	2.47E-05	9.64E-04	1.15E-04	9.92E-05	8.39E-06
1640	438088.38	3725909.76	9.10E-04	1.98E-04	1.80E-04	2.48E-05	9.66E-04	1.15E-04	9.95E-05	8.41E-06
1641	438074.9	3725916.63	9.09E-04	1.98E-04	1.80E-04	2.48E-05	9.66E-04	1.15E-04	9.95E-05	8.41E-06
1642	438061.42	3725923.5	9.07E-04	1.97E-04	1.79E-04	2.47E-05	9.63E-04	1.15E-04	9.92E-05	8.39E-06
1643	438047.94	3725930.37	9.02E-04	1.96E-04	1.78E-04	2.46E-05	9.58E-04	1.14E-04	9.86E-05	8.34E-06
1644	438034.46	3725937.24	8.94E-04	1.94E-04	1.77E-04	2.44E-05	9.49E-04	1.13E-04	9.78E-05	8.27E-06
1645	438020.97	3725944.11	8.85E-04	1.92E-04	1.75E-04	2.42E-05	9.40E-04	1.12E-04	9.68E-05	8.19E-06
1646	437556.37	3726006.16	3.83E-04	8.33E-05	7.57E-05	1.05E-05	4.07E-04	4.85E-05	4.19E-05	3.55E-06
1647	437541.99	3726001.44	3.74E-04	8.13E-05	7.39E-05	1.02E-05	3.98E-04	4.74E-05	4.10E-05	3.46E-06
1648	437527.62	3725996.71	3.65E-04	7.94E-05	7.22E-05	9.97E-06	3.88E-04	4.63E-05	4.00E-05	3.38E-06
1649	437513.24	3725991.99	3.57E-04	7.76E-05	7.05E-05	9.74E-06	3.79E-04	4.52E-05	3.91E-05	3.30E-06
1650	437498.87	3725987.27	3.48E-04	7.57E-05	6.88E-05	9.51E-06	3.70E-04	4.41E-05	3.81E-05	3.22E-06
1651	437484.49	3725982.55	3.41E-04	7.40E-05	6.73E-05	9.29E-06	3.62E-04	4.31E-05	3.73E-05	3.15E-06
1652	437470.12	3725977.82	3.33E-04	7.23E-05	6.57E-05	9.08E-06	3.53E-04	4.21E-05	3.64E-05	3.08E-06
1653	437455.74	3725973.1	3.25E-04	7.06E-05	6.42E-05	8.87E-06	3.45E-04	4.12E-05	3.56E-05	3.01E-06
1654	437398.24	3725954.21	2.92E-04	6.35E-05	5.77E-05	7.97E-06	3.10E-04	3.70E-05	3.20E-05	2.70E-06
1655	437383.86	3725949.49	2.83E-04	6.16E-05	5.60E-05	7.73E-06	3.01E-04	3.59E-05	3.10E-05	2.62E-06
1656	437369.49	3725944.77	2.74E-04	5.96E-05	5.42E-05	7.48E-06	2.91E-04	3.47E-05	3.00E-05	2.54E-06
1657	437311.99	3725925.88	2.40E-04	5.21E-05	4.74E-05	6.54E-06	2.55E-04	3.04E-05	2.62E-05	2.22E-06
1658	438207.9	3725845.59	8.22E-04	1.79E-04	1.62E-04	2.24E-05	8.73E-04	1.04E-04	8.99E-05	7.60E-06
1659	438217.74	3725834.03	8.18E-04	1.78E-04	1.61E-04	2.23E-05	8.68E-04	1.04E-04	8.94E-05	7.56E-06
1660	438226.69	3725880.73	7.48E-04	1.62E-04	1.48E-04	2.04E-05	7.94E-04	9.47E-05	8.18E-05	6.91E-06
1661	438213.2	3725887.61	7.61E-04	1.65E-04	1.50E-04	2.08E-05	8.09E-04	9.64E-05	8.33E-05	7.04E-06
1662	438199.7	3725894.49	7.75E-04	1.68E-04	1.53E-04	2.11E-05	8.23E-04	9.81E-05	8.48E-05	7.17E-06
1663	438186.21	3725901.36	7.87E-04	1.71E-04	1.55E-04	2.15E-05	8.36E-04	9.96E-05	8.61E-05	7.28E-06
1664	438172.72	3725908.24	7.96E-04	1.73E-04	1.57E-04	2.17E-05	8.46E-04	1.01E-04	8.71E-05	7.37E-06
1665	438159.22	3725915.11	8.04E-04	1.75E-04	1.59E-04	2.20E-05	8.55E-04	1.02E-04	8.80E-05	7.44E-06
1666	438145.73	3725921.99	8.11E-04	1.76E-04	1.60E-04	2.21E-05	8.62E-04	1.03E-04	8.87E-05	7.50E-06
1667	438132.23	3725928.87	8.17E-04	1.77E-04	1.61E-04	2.23E-05	8.67E-04	1.03E-04	8.93E-05	7.55E-06
1668	438118.74	3725935.74	8.19E-04	1.78E-04	1.62E-04	2.24E-05	8.70E-04	1.04E-04	8.96E-05	7.58E-06
1669	438105.24	3725942.62	8.20E-04	1.78E-04	1.62E-04	2.24E-05	8.71E-04	1.04E-04	8.97E-05	7.58E-06
1670	438091.75	3725949.49	8.17E-04	1.77E-04	1.61E-04	2.23E-05	8.67E-04	1.03E-04	8.93E-05	7.55E-06
1671	438078.26	3725956.37	8.11E-04	1.76E-04	1.60E-04	2.21E-05	8.62E-04	1.03E-04	8.87E-05	7.50E-06
1672	438064.76	3725963.25	8.04E-04	1.75E-04	1.59E-04	2.19E-05	8.54E-04	1.02E-04	8.80E-05	7.44E-06
1673	438051.27	3725970.12	7.97E-04	1.73E-04	1.57E-04	2.17E-05	8.46E-04	1.01E-04	8.71E-05	7.37E-06
1674	437501.7	3726027.07	3.21E-04	6.98E-05	6.34E-05	8.76E-06	3.41E-04	4.07E-05	3.51E-05	2.97E-06
1675	437487.31	3726022.35	3.14E-04	6.83E-05	6.21E-05	8.58E-06	3.34E-04	3.98E-05	3.44E-05	2.91E-06
1676	437472.92	3726017.62	3.08E-04	6.69E-05	6.08E-05	8.40E-06	3.27E-04	3.90E-05	3.37E-05	2.85E-06
1677	437458.54	3726012.89	3.01E-04	6.54E-05	5.95E-05	8.22E-06	3.20E-04	3.81E-05	3.29E-05	2.78E-06
1678	437444.15	3726008.16	2.94E-04	6.40E-05	5.81E-05	8.03E-06	3.13E-04	3.73E-05	3.22E-05	2.72E-06

1679	437415.37	3725998.71	2.78E-04	6.03E-05	5.48E-05	7.57E-06	2.95E-04	3.51E-05	3.04E-05	2.57E-06
1680	437400.98	3725993.98	2.69E-04	5.85E-05	5.32E-05	7.35E-06	2.86E-04	3.41E-05	2.95E-05	2.49E-06
1681	437386.59	3725989.26	2.62E-04	5.68E-05	5.17E-05	7.14E-06	2.78E-04	3.31E-05	2.86E-05	2.42E-06
1682	437372.2	3725984.53	2.54E-04	5.52E-05	5.02E-05	6.93E-06	2.70E-04	3.22E-05	2.78E-05	2.35E-06
1683	437329.04	3725970.35	2.31E-04	5.03E-05	4.57E-05	6.31E-06	2.46E-04	2.93E-05	2.53E-05	2.14E-06
1684	437314.65	3725965.62	2.24E-04	4.87E-05	4.43E-05	6.11E-06	2.38E-04	2.84E-05	2.45E-05	2.07E-06
1685	437300.26	3725960.9	2.17E-04	4.72E-05	4.29E-05	5.93E-06	2.31E-04	2.75E-05	2.38E-05	2.01E-06
1686	437285.87	3725956.17	2.10E-04	4.57E-05	4.16E-05	5.74E-06	2.24E-04	2.66E-05	2.30E-05	1.95E-06
1687	438238.36	3725871.51	7.39E-04	1.60E-04	1.46E-04	2.02E-05	7.85E-04	9.35E-05	8.08E-05	6.83E-06
1688	438248.2	3725859.95	7.34E-04	1.59E-04	1.45E-04	2.00E-05	7.80E-04	9.29E-05	8.03E-05	6.79E-06
1689	438257.15	3725906.66	6.77E-04	1.47E-04	1.34E-04	1.85E-05	7.19E-04	8.57E-05	7.41E-05	6.26E-06
1690	438243.64	3725913.54	6.90E-04	1.50E-04	1.36E-04	1.88E-05	7.33E-04	8.74E-05	7.55E-05	6.38E-06
1691	438230.14	3725920.43	7.01E-04	1.52E-04	1.38E-04	1.91E-05	7.44E-04	8.88E-05	7.67E-05	6.48E-06
1692	438216.63	3725927.31	7.11E-04	1.54E-04	1.40E-04	1.94E-05	7.55E-04	9.00E-05	7.78E-05	6.58E-06
1693	438203.13	3725934.19	7.20E-04	1.57E-04	1.42E-04	1.97E-05	7.65E-04	9.12E-05	7.88E-05	6.66E-06
1694	438189.62	3725941.07	7.29E-04	1.58E-04	1.44E-04	1.99E-05	7.74E-04	9.23E-05	7.97E-05	6.74E-06
1695	438176.12	3725947.95	7.36E-04	1.60E-04	1.45E-04	2.01E-05	7.81E-04	9.32E-05	8.05E-05	6.80E-06
1696	438162.61	3725954.83	7.42E-04	1.61E-04	1.46E-04	2.02E-05	7.88E-04	9.39E-05	8.11E-05	6.86E-06
1697	438149.11	3725961.72	7.44E-04	1.62E-04	1.47E-04	2.03E-05	7.90E-04	9.42E-05	8.14E-05	6.88E-06
1698	438135.6	3725968.6	7.44E-04	1.62E-04	1.47E-04	2.03E-05	7.91E-04	9.42E-05	8.14E-05	6.88E-06
1699	438122.1	3725975.48	7.42E-04	1.61E-04	1.47E-04	2.02E-05	7.88E-04	9.40E-05	8.12E-05	6.86E-06
1700	438108.59	3725982.36	7.38E-04	1.60E-04	1.46E-04	2.01E-05	7.83E-04	9.34E-05	8.07E-05	6.82E-06
1701	438095.09	3725989.24	7.32E-04	1.59E-04	1.45E-04	2.00E-05	7.78E-04	9.27E-05	8.01E-05	6.77E-06
1702	438081.58	3725996.12	7.26E-04	1.58E-04	1.43E-04	1.98E-05	7.71E-04	9.19E-05	7.94E-05	6.72E-06
1703	437518.96	3726071.61	3.02E-04	6.57E-05	5.97E-05	8.25E-06	3.21E-04	3.83E-05	3.31E-05	2.80E-06
1704	437504.56	3726066.88	2.97E-04	6.45E-05	5.86E-05	8.10E-06	3.15E-04	3.76E-05	3.25E-05	2.74E-06
1705	437418.16	3726038.5	2.57E-04	5.57E-05	5.07E-05	7.00E-06	2.73E-04	3.25E-05	2.81E-05	2.37E-06
1706	437403.76	3726033.77	2.49E-04	5.42E-05	4.92E-05	6.80E-06	2.65E-04	3.16E-05	2.73E-05	2.31E-06
1707	437389.36	3726029.04	2.42E-04	5.26E-05	4.78E-05	6.61E-06	2.57E-04	3.07E-05	2.65E-05	2.24E-06
1708	437346.16	3726014.85	2.22E-04	4.83E-05	4.39E-05	6.07E-06	2.36E-04	2.82E-05	2.43E-05	2.06E-06
1709	437331.76	3726010.12	2.16E-04	4.69E-05	4.27E-05	5.89E-06	2.29E-04	2.73E-05	2.36E-05	2.00E-06
1710	437317.36	3726005.38	2.10E-04	4.56E-05	4.14E-05	5.72E-06	2.23E-04	2.66E-05	2.29E-05	1.94E-06
1711	437302.96	3726000.65	2.04E-04	4.43E-05	4.03E-05	5.56E-06	2.17E-04	2.58E-05	2.23E-05	1.89E-06
1712	437288.56	3725995.92	1.98E-04	4.30E-05	3.91E-05	5.40E-06	2.10E-04	2.51E-05	2.17E-05	1.83E-06
1713	437274.16	3725991.19	1.92E-04	4.17E-05	3.79E-05	5.24E-06	2.04E-04	2.43E-05	2.10E-05	1.78E-06
1714	437259.76	3725986.46	1.86E-04	4.05E-05	3.68E-05	5.08E-06	1.98E-04	2.36E-05	2.04E-05	1.72E-06
1715	438268.82	3725897.44	6.68E-04	1.45E-04	1.32E-04	1.82E-05	7.10E-04	8.46E-05	7.31E-05	6.18E-06
1716	438278.66	3725885.88	6.63E-04	1.44E-04	1.31E-04	1.81E-05	7.05E-04	8.40E-05	7.26E-05	6.13E-06
1717	438287.6	3725932.59	6.13E-04	1.33E-04	1.21E-04	1.67E-05	6.52E-04	7.77E-05	6.71E-05	5.67E-06
1718	438274.09	3725939.48	6.26E-04	1.36E-04	1.24E-04	1.71E-05	6.65E-04	7.93E-05	6.85E-05	5.79E-06
1719	438260.57	3725946.37	6.38E-04	1.39E-04	1.26E-04	1.74E-05	6.77E-04	8.08E-05	6.98E-05	5.90E-06
1720	438247.06	3725953.25	6.48E-04	1.41E-04	1.28E-04	1.77E-05	6.88E-04	8.21E-05	7.09E-05	5.99E-06
1721	438233.54	3725960.14	6.56E-04	1.43E-04	1.30E-04	1.79E-05	6.97E-04	8.31E-05	7.18E-05	6.07E-06
1722	438220.03	3725967.03	6.63E-04	1.44E-04	1.31E-04	1.81E-05	7.05E-04	8.40E-05	7.26E-05	6.14E-06
1723	438206.51	3725973.91	6.70E-04	1.45E-04	1.32E-04	1.83E-05	7.11E-04	8.48E-05	7.32E-05	6.19E-06
1724	438193	3725980.8	6.75E-04	1.47E-04	1.33E-04	1.84E-05	7.17E-04	8.54E-05	7.38E-05	6.24E-06
1725	438179.48	3725987.69	6.78E-04	1.47E-04	1.34E-04	1.85E-05	7.20E-04	8.59E-05	7.42E-05	6.27E-06
1726	438165.97	3725994.57	6.80E-04	1.48E-04	1.34E-04	1.86E-05	7.22E-04	8.61E-05	7.44E-05	6.29E-06
1727	438152.45	3726001.46	6.81E-04	1.48E-04	1.34E-04	1.86E-05	7.23E-04	8.62E-05	7.44E-05	6.29E-06
1728	438138.94	3726008.35	6.79E-04	1.48E-04	1.34E-04	1.85E-05	7.22E-04	8.60E-05	7.43E-05	6.28E-06
1729	438125.42	3726015.23	6.76E-04	1.47E-04	1.34E-04	1.85E-05	7.19E-04	8.57E-05	7.40E-05	6.26E-06
1730	438111.91	3726022.12	6.71E-04	1.46E-04	1.33E-04	1.83E-05	7.13E-04	8.50E-05	7.34E-05	6.21E-06
1731	437493.03	3726101.97	2.70E-04	5.86E-05	5.33E-05	7.36E-06	2.86E-04	3.41E-05	2.95E-05	2.49E-06
1732	437478.62	3726097.23	2.63E-04	5.72E-05	5.20E-05	7.19E-06	2.80E-04	3.34E-05	2.88E-05	2.44E-06
1733	437464.21	3726092.5	2.57E-04	5.59E-05	5.08E-05	7.02E-06	2.73E-04	3.26E-05	2.81E-05	2.38E-06
1734	437449.8	3726087.77	2.51E-04	5.45E-05	4.96E-05	6.85E-06	2.66E-04	3.18E-05	2.74E-05	2.32E-06
1735	437435.39	3726083.03	2.45E-04	5.31E-05	4.83E-05	6.67E-06	2.60E-04	3.10E-05	2.67E-05	2.26E-06
1736	437363.34	3726059.36	2.14E-04	4.64E-05	4.22E-05	5.83E-06	2.27E-04	2.70E-05	2.34E-05	1.98E-06

1737	437348.93	3726054.63	2.08E-04	4.52E-05	4.11E-05	5.67E-06	2.21E-04	2.63E-05	2.28E-05	1.92E-06
1738	437334.52	3726049.89	2.02E-04	4.40E-05	4.00E-05	5.52E-06	2.15E-04	2.56E-05	2.21E-05	1.87E-06
1739	437320.11	3726045.16	1.97E-04	4.28E-05	3.89E-05	5.37E-06	2.09E-04	2.49E-05	2.15E-05	1.82E-06
1740	437305.7	3726040.42	1.92E-04	4.16E-05	3.79E-05	5.23E-06	2.04E-04	2.43E-05	2.10E-05	1.77E-06
1741	437291.28	3726035.69	1.87E-04	4.06E-05	3.69E-05	5.09E-06	1.98E-04	2.36E-05	2.04E-05	1.73E-06
1742	437276.87	3726030.96	1.81E-04	3.94E-05	3.58E-05	4.95E-06	1.93E-04	2.30E-05	1.99E-05	1.68E-06
1743	437262.46	3726026.22	1.76E-04	3.83E-05	3.48E-05	4.81E-06	1.87E-04	2.23E-05	1.93E-05	1.63E-06
1744	437248.05	3726021.49	1.71E-04	3.72E-05	3.38E-05	4.67E-06	1.82E-04	2.17E-05	1.87E-05	1.58E-06
1745	437233.64	3726016.75	1.66E-04	3.61E-05	3.28E-05	4.53E-06	1.77E-04	2.10E-05	1.82E-05	1.54E-06
1746	438299.28	3725923.37	6.05E-04	1.31E-04	1.19E-04	1.65E-05	6.42E-04	7.66E-05	6.61E-05	5.59E-06
1747	438309.12	3725911.81	6.00E-04	1.30E-04	1.19E-04	1.64E-05	6.37E-04	7.60E-05	6.56E-05	5.55E-06
1748	438304.53	3725965.41	5.69E-04	1.24E-04	1.12E-04	1.55E-05	6.05E-04	7.21E-05	6.23E-05	5.27E-06
1749	438291.01	3725972.3	5.82E-04	1.26E-04	1.15E-04	1.59E-05	6.18E-04	7.37E-05	6.37E-05	5.38E-06
1750	438277.48	3725979.2	5.93E-04	1.29E-04	1.17E-04	1.62E-05	6.30E-04	7.51E-05	6.49E-05	5.49E-06
1751	438263.96	3725986.09	6.01E-04	1.31E-04	1.19E-04	1.64E-05	6.39E-04	7.61E-05	6.58E-05	5.56E-06
1752	438250.44	3725992.98	6.08E-04	1.32E-04	1.20E-04	1.66E-05	6.46E-04	7.70E-05	6.65E-05	5.62E-06
1753	438236.91	3725999.87	6.13E-04	1.33E-04	1.21E-04	1.67E-05	6.51E-04	7.76E-05	6.71E-05	5.67E-06
1754	438223.39	3726006.76	6.17E-04	1.34E-04	1.22E-04	1.68E-05	6.55E-04	7.81E-05	6.75E-05	5.71E-06
1755	438209.87	3726013.65	6.21E-04	1.35E-04	1.23E-04	1.69E-05	6.60E-04	7.86E-05	6.79E-05	5.74E-06
1756	438196.34	3726020.54	6.24E-04	1.36E-04	1.23E-04	1.70E-05	6.63E-04	7.90E-05	6.83E-05	5.77E-06
1757	438182.82	3726027.43	6.26E-04	1.36E-04	1.24E-04	1.71E-05	6.65E-04	7.93E-05	6.85E-05	5.79E-06
1758	438169.3	3726034.32	6.27E-04	1.36E-04	1.24E-04	1.71E-05	6.66E-04	7.93E-05	6.85E-05	5.80E-06
1759	438155.77	3726041.21	6.26E-04	1.36E-04	1.24E-04	1.71E-05	6.65E-04	7.93E-05	6.85E-05	5.79E-06
1760	438142.25	3726048.11	6.24E-04	1.35E-04	1.23E-04	1.70E-05	6.62E-04	7.90E-05	6.82E-05	5.77E-06
1761	437452.66	3726127.58	2.33E-04	5.06E-05	4.60E-05	6.35E-06	2.47E-04	2.95E-05	2.55E-05	2.15E-06
1762	437438.24	3726122.84	2.27E-04	4.94E-05	4.49E-05	6.20E-06	2.41E-04	2.88E-05	2.49E-05	2.10E-06
1763	437423.82	3726118.1	2.22E-04	4.82E-05	4.38E-05	6.05E-06	2.35E-04	2.81E-05	2.42E-05	2.05E-06
1764	437409.4	3726113.37	2.16E-04	4.70E-05	4.27E-05	5.90E-06	2.30E-04	2.74E-05	2.37E-05	2.00E-06
1765	437366.14	3726099.16	2.00E-04	4.34E-05	3.95E-05	5.46E-06	2.12E-04	2.53E-05	2.19E-05	1.85E-06
1766	437351.72	3726094.42	1.95E-04	4.24E-05	3.85E-05	5.32E-06	2.07E-04	2.47E-05	2.13E-05	1.80E-06
1767	437337.31	3726089.68	1.90E-04	4.13E-05	3.76E-05	5.19E-06	2.02E-04	2.41E-05	2.08E-05	1.76E-06
1768	437322.89	3726084.94	1.85E-04	4.03E-05	3.66E-05	5.06E-06	1.97E-04	2.35E-05	2.03E-05	1.71E-06
1769	437308.47	3726080.21	1.81E-04	3.93E-05	3.57E-05	4.93E-06	1.92E-04	2.29E-05	1.98E-05	1.67E-06
1770	437294.05	3726075.47	1.76E-04	3.83E-05	3.48E-05	4.81E-06	1.87E-04	2.23E-05	1.93E-05	1.63E-06
1771	437279.63	3726070.73	1.72E-04	3.73E-05	3.39E-05	4.68E-06	1.82E-04	2.17E-05	1.88E-05	1.59E-06
1772	437265.21	3726066	1.67E-04	3.63E-05	3.30E-05	4.56E-06	1.78E-04	2.12E-05	1.83E-05	1.55E-06
1773	437250.79	3726061.26	1.63E-04	3.54E-05	3.22E-05	4.44E-06	1.73E-04	2.06E-05	1.78E-05	1.51E-06
1774	437236.37	3726056.52	1.59E-04	3.45E-05	3.13E-05	4.33E-06	1.68E-04	2.01E-05	1.74E-05	1.47E-06
1775	437221.95	3726051.78	1.54E-04	3.35E-05	3.05E-05	4.21E-06	1.64E-04	1.95E-05	1.69E-05	1.43E-06
1776	437207.53	3726047.05	1.50E-04	3.26E-05	2.96E-05	4.09E-06	1.59E-04	1.90E-05	1.64E-05	1.39E-06
1777	438241.6	3726038.93	5.72E-04	1.24E-04	1.13E-04	1.56E-05	6.08E-04	7.25E-05	6.26E-05	5.29E-06
1778	438228.22	3726045.75	5.75E-04	1.25E-04	1.13E-04	1.57E-05	6.10E-04	7.27E-05	6.28E-05	5.31E-06
1779	438214.85	3726052.56	5.76E-04	1.25E-04	1.14E-04	1.57E-05	6.12E-04	7.30E-05	6.31E-05	5.33E-06
1780	438201.47	3726059.38	5.78E-04	1.26E-04	1.14E-04	1.58E-05	6.14E-04	7.32E-05	6.33E-05	5.35E-06
1781	438188.1	3726066.19	5.79E-04	1.26E-04	1.14E-04	1.58E-05	6.15E-04	7.33E-05	6.33E-05	5.35E-06
1782	438174.72	3726073.01	5.78E-04	1.26E-04	1.14E-04	1.58E-05	6.14E-04	7.32E-05	6.33E-05	5.35E-06
1783	437388.02	3726145.21	1.94E-04	4.20E-05	3.82E-05	5.28E-06	2.06E-04	2.45E-05	2.12E-05	1.79E-06
1784	437359.5	3726135.84	1.85E-04	4.01E-05	3.65E-05	5.04E-06	1.96E-04	2.34E-05	2.02E-05	1.71E-06
1785	437345.24	3726131.16	1.81E-04	3.93E-05	3.57E-05	4.93E-06	1.92E-04	2.29E-05	1.98E-05	1.67E-06
1786	437330.98	3726126.47	1.77E-04	3.84E-05	3.49E-05	4.82E-06	1.88E-04	2.24E-05	1.93E-05	1.63E-06
1787	437316.72	3726121.79	1.73E-04	3.75E-05	3.41E-05	4.71E-06	1.84E-04	2.19E-05	1.89E-05	1.60E-06
1788	437302.46	3726117.1	1.69E-04	3.67E-05	3.33E-05	4.60E-06	1.79E-04	2.14E-05	1.85E-05	1.56E-06
1789	437288.2	3726112.42	1.65E-04	3.58E-05	3.25E-05	4.49E-06	1.75E-04	2.08E-05	1.80E-05	1.52E-06
1790	437273.93	3726107.73	1.61E-04	3.49E-05	3.18E-05	4.39E-06	1.71E-04	2.04E-05	1.76E-05	1.49E-06
1791	437259.67	3726103.05	1.57E-04	3.42E-05	3.11E-05	4.29E-06	1.67E-04	1.99E-05	1.72E-05	1.45E-06
1792	437245.41	3726098.36	1.54E-04	3.34E-05	3.03E-05	4.19E-06	1.63E-04	1.95E-05	1.68E-05	1.42E-06
1793	437231.15	3726093.68	1.50E-04	3.26E-05	2.96E-05	4.09E-06	1.59E-04	1.90E-05	1.64E-05	1.39E-06
1794	437216.89	3726089	1.46E-04	3.18E-05	2.89E-05	3.99E-06	1.56E-04	1.85E-05	1.60E-05	1.35E-06

1795	437202.63	3726084.31	1.43E-04	3.10E-05	2.82E-05	3.89E-06	1.52E-04	1.81E-05	1.56E-05	1.32E-06
1796	437188.37	3726079.63	1.39E-04	3.02E-05	2.75E-05	3.80E-06	1.48E-04	1.76E-05	1.52E-05	1.29E-06
1797	437347.85	3726170.89	1.72E-04	3.74E-05	3.40E-05	4.69E-06	1.83E-04	2.18E-05	1.88E-05	1.59E-06
1798	437333.58	3726166.2	1.68E-04	3.66E-05	3.33E-05	4.60E-06	1.79E-04	2.13E-05	1.84E-05	1.56E-06
1799	437319.3	3726161.51	1.65E-04	3.59E-05	3.26E-05	4.50E-06	1.75E-04	2.09E-05	1.81E-05	1.53E-06
1800	437305.02	3726156.82	1.62E-04	3.51E-05	3.19E-05	4.41E-06	1.72E-04	2.05E-05	1.77E-05	1.50E-06
1801	437290.75	3726152.13	1.58E-04	3.44E-05	3.13E-05	4.32E-06	1.68E-04	2.00E-05	1.73E-05	1.46E-06
1802	437276.47	3726147.44	1.55E-04	3.37E-05	3.06E-05	4.23E-06	1.65E-04	1.96E-05	1.70E-05	1.43E-06
1803	437262.2	3726142.75	1.52E-04	3.30E-05	3.00E-05	4.14E-06	1.61E-04	1.92E-05	1.66E-05	1.40E-06
1804	437247.92	3726138.06	1.48E-04	3.23E-05	2.93E-05	4.05E-06	1.58E-04	1.88E-05	1.62E-05	1.37E-06
1805	437233.65	3726133.37	1.45E-04	3.15E-05	2.87E-05	3.96E-06	1.54E-04	1.84E-05	1.59E-05	1.34E-06
1806	437219.37	3726128.68	1.42E-04	3.08E-05	2.80E-05	3.87E-06	1.51E-04	1.80E-05	1.55E-05	1.31E-06
1807	437205.09	3726123.99	1.39E-04	3.02E-05	2.74E-05	3.79E-06	1.47E-04	1.76E-05	1.52E-05	1.28E-06
1808	437190.82	3726119.3	1.36E-04	2.95E-05	2.68E-05	3.71E-06	1.44E-04	1.72E-05	1.49E-05	1.26E-06
1809	437176.54	3726114.61	1.33E-04	2.89E-05	2.63E-05	3.63E-06	1.41E-04	1.69E-05	1.46E-05	1.23E-06
1810	437162.27	3726109.92	1.30E-04	2.83E-05	2.57E-05	3.56E-06	1.38E-04	1.65E-05	1.43E-05	1.21E-06
1811	437336.21	3726205.94	1.62E-04	3.53E-05	3.21E-05	4.43E-06	1.73E-04	2.06E-05	1.78E-05	1.50E-06
1812	437321.93	3726201.24	1.59E-04	3.45E-05	3.14E-05	4.34E-06	1.69E-04	2.01E-05	1.74E-05	1.47E-06
1813	437307.64	3726196.55	1.56E-04	3.38E-05	3.07E-05	4.25E-06	1.65E-04	1.97E-05	1.70E-05	1.44E-06
1814	437293.35	3726191.86	1.52E-04	3.31E-05	3.01E-05	4.16E-06	1.62E-04	1.93E-05	1.67E-05	1.41E-06
1815	437279.06	3726187.16	1.50E-04	3.25E-05	2.95E-05	4.08E-06	1.59E-04	1.89E-05	1.64E-05	1.38E-06
1816	437264.77	3726182.47	1.47E-04	3.19E-05	2.90E-05	4.01E-06	1.56E-04	1.86E-05	1.61E-05	1.36E-06
1817	437250.48	3726177.77	1.44E-04	3.14E-05	2.85E-05	3.94E-06	1.53E-04	1.83E-05	1.58E-05	1.33E-06
1818	437236.19	3726173.08	1.42E-04	3.08E-05	2.80E-05	3.86E-06	1.50E-04	1.79E-05	1.55E-05	1.31E-06
1819	437221.9	3726168.38	1.39E-04	3.02E-05	2.74E-05	3.79E-06	1.47E-04	1.76E-05	1.52E-05	1.28E-06
1820	437207.61	3726163.69	1.36E-04	2.96E-05	2.69E-05	3.71E-06	1.45E-04	1.72E-05	1.49E-05	1.26E-06
1821	437193.32	3726159	1.33E-04	2.90E-05	2.63E-05	3.64E-06	1.42E-04	1.69E-05	1.46E-05	1.23E-06
1822	437179.03	3726154.3	1.30E-04	2.83E-05	2.57E-05	3.56E-06	1.38E-04	1.65E-05	1.43E-05	1.21E-06
1823	437164.74	3726149.61	1.28E-04	2.78E-05	2.52E-05	3.49E-06	1.36E-04	1.62E-05	1.40E-05	1.18E-06
1824	437150.45	3726144.91	1.26E-04	2.73E-05	2.48E-05	3.43E-06	1.33E-04	1.59E-05	1.37E-05	1.16E-06
1825	437136.16	3726140.22	1.24E-04	2.68E-05	2.44E-05	3.37E-06	1.31E-04	1.56E-05	1.35E-05	1.14E-06
1826	437396.1	3726264.48	1.71E-04	3.72E-05	3.38E-05	4.67E-06	1.82E-04	2.17E-05	1.87E-05	1.58E-06
1827	437324.59	3726240.99	1.55E-04	3.36E-05	3.05E-05	4.22E-06	1.64E-04	1.96E-05	1.69E-05	1.43E-06
1828	437310.29	3726236.29	1.51E-04	3.27E-05	2.98E-05	4.11E-06	1.60E-04	1.91E-05	1.65E-05	1.39E-06
1829	437295.98	3726231.59	1.47E-04	3.20E-05	2.91E-05	4.01E-06	1.56E-04	1.86E-05	1.61E-05	1.36E-06
1830	437281.68	3726226.89	1.44E-04	3.12E-05	2.84E-05	3.92E-06	1.53E-04	1.82E-05	1.57E-05	1.33E-06
1831	437267.38	3726222.2	1.41E-04	3.06E-05	2.78E-05	3.85E-06	1.50E-04	1.78E-05	1.54E-05	1.30E-06
1832	437253.08	3726217.5	1.39E-04	3.01E-05	2.74E-05	3.79E-06	1.47E-04	1.76E-05	1.52E-05	1.28E-06
1833	437238.77	3726212.8	1.37E-04	2.98E-05	2.71E-05	3.74E-06	1.46E-04	1.74E-05	1.50E-05	1.27E-06
1834	437224.47	3726208.1	1.36E-04	2.95E-05	2.68E-05	3.70E-06	1.44E-04	1.72E-05	1.48E-05	1.25E-06
1835	437210.17	3726203.4	1.33E-04	2.90E-05	2.63E-05	3.64E-06	1.42E-04	1.69E-05	1.46E-05	1.23E-06
1836	437195.87	3726198.7	1.31E-04	2.84E-05	2.59E-05	3.57E-06	1.39E-04	1.66E-05	1.43E-05	1.21E-06
1837	437181.57	3726194.01	1.28E-04	2.78E-05	2.53E-05	3.50E-06	1.36E-04	1.62E-05	1.40E-05	1.19E-06
1838	437167.26	3726189.31	1.25E-04	2.73E-05	2.48E-05	3.42E-06	1.33E-04	1.59E-05	1.37E-05	1.16E-06
1839	437152.96	3726184.61	1.23E-04	2.67E-05	2.43E-05	3.36E-06	1.31E-04	1.56E-05	1.35E-05	1.14E-06
1840	437138.66	3726179.91	1.21E-04	2.62E-05	2.39E-05	3.30E-06	1.28E-04	1.53E-05	1.32E-05	1.12E-06
1841	437124.36	3726175.21	1.19E-04	2.58E-05	2.35E-05	3.24E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
1842	437110.05	3726170.51	1.17E-04	2.54E-05	2.31E-05	3.19E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
1843	437095.75	3726165.81	1.14E-04	2.49E-05	2.26E-05	3.12E-06	1.22E-04	1.45E-05	1.25E-05	1.06E-06
1844	437413.16	3726308.96	1.66E-04	3.61E-05	3.28E-05	4.53E-06	1.76E-04	2.10E-05	1.82E-05	1.54E-06
1845	437398.85	3726304.26	1.64E-04	3.57E-05	3.24E-05	4.48E-06	1.74E-04	2.08E-05	1.80E-05	1.52E-06
1846	437384.54	3726299.56	1.63E-04	3.53E-05	3.21E-05	4.44E-06	1.73E-04	2.06E-05	1.78E-05	1.50E-06
1847	437370.22	3726294.85	1.60E-04	3.48E-05	3.16E-05	4.37E-06	1.70E-04	2.03E-05	1.75E-05	1.48E-06
1848	437355.91	3726290.15	1.57E-04	3.41E-05	3.10E-05	4.28E-06	1.67E-04	1.99E-05	1.72E-05	1.45E-06
1849	437341.6	3726285.45	1.54E-04	3.34E-05	3.04E-05	4.19E-06	1.63E-04	1.95E-05	1.68E-05	1.42E-06
1850	437327.28	3726280.75	1.50E-04	3.27E-05	2.97E-05	4.10E-06	1.60E-04	1.91E-05	1.65E-05	1.39E-06
1851	437312.97	3726276.04	1.47E-04	3.19E-05	2.90E-05	4.01E-06	1.56E-04	1.86E-05	1.61E-05	1.36E-06
1852	437298.65	3726271.34	1.43E-04	3.11E-05	2.83E-05	3.91E-06	1.52E-04	1.81E-05	1.57E-05	1.32E-06

1853	437284.34	3726266.64	1.40E-04	3.04E-05	2.76E-05	3.82E-06	1.49E-04	1.77E-05	1.53E-05	1.29E-06
1854	437270.03	3726261.94	1.37E-04	2.97E-05	2.70E-05	3.73E-06	1.45E-04	1.73E-05	1.50E-05	1.27E-06
1855	437255.71	3726257.24	1.34E-04	2.91E-05	2.64E-05	3.65E-06	1.42E-04	1.69E-05	1.46E-05	1.24E-06
1856	437241.4	3726252.53	1.31E-04	2.86E-05	2.60E-05	3.59E-06	1.40E-04	1.66E-05	1.44E-05	1.22E-06
1857	437227.08	3726247.83	1.29E-04	2.81E-05	2.56E-05	3.53E-06	1.37E-04	1.64E-05	1.42E-05	1.20E-06
1858	437212.77	3726243.13	1.28E-04	2.78E-05	2.53E-05	3.49E-06	1.36E-04	1.62E-05	1.40E-05	1.18E-06
1859	437198.46	3726238.43	1.27E-04	2.75E-05	2.50E-05	3.46E-06	1.35E-04	1.60E-05	1.39E-05	1.17E-06
1860	437184.14	3726233.72	1.25E-04	2.71E-05	2.47E-05	3.41E-06	1.33E-04	1.58E-05	1.37E-05	1.15E-06
1861	437169.83	3726229.02	1.23E-04	2.67E-05	2.43E-05	3.35E-06	1.31E-04	1.56E-05	1.34E-05	1.14E-06
1862	437155.52	3726224.32	1.21E-04	2.63E-05	2.39E-05	3.30E-06	1.28E-04	1.53E-05	1.32E-05	1.12E-06
1863	437141.2	3726219.62	1.19E-04	2.58E-05	2.34E-05	3.23E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
1864	437126.89	3726214.91	1.16E-04	2.52E-05	2.30E-05	3.17E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06
1865	437112.57	3726210.21	1.14E-04	2.48E-05	2.25E-05	3.11E-06	1.21E-04	1.44E-05	1.25E-05	1.05E-06
1866	437098.26	3726205.51	1.12E-04	2.43E-05	2.21E-05	3.05E-06	1.19E-04	1.42E-05	1.22E-05	1.03E-06
1867	437083.95	3726200.81	1.10E-04	2.39E-05	2.17E-05	3.00E-06	1.17E-04	1.39E-05	1.20E-05	1.02E-06
1868	437069.63	3726196.11	1.08E-04	2.34E-05	2.13E-05	2.94E-06	1.15E-04	1.37E-05	1.18E-05	9.97E-07
1869	437743.55	3725409.23	4.47E-02	9.71E-03	8.83E-03	1.22E-03	4.75E-02	5.66E-03	4.89E-03	4.13E-04
1870	437750.64	3725402.77	4.48E-02	9.73E-03	8.85E-03	1.22E-03	4.76E-02	5.67E-03	4.90E-03	4.14E-04
1871	437753.68	3725416.69	3.53E-02	7.66E-03	6.97E-03	9.62E-04	3.75E-02	4.47E-03	3.86E-03	3.26E-04
1872	437757.44	3725395.75	4.43E-02	9.62E-03	8.75E-03	1.21E-03	4.70E-02	5.61E-03	4.84E-03	4.10E-04
1873	437762.63	3725405.96	3.62E-02	7.86E-03	7.14E-03	9.87E-04	3.84E-02	4.58E-03	3.96E-03	3.34E-04
1874	437763.45	3725416.51	3.15E-02	6.85E-03	6.23E-03	8.61E-04	3.35E-02	3.99E-03	3.45E-03	2.92E-04
1875	437759.92	3725427.41	2.87E-02	6.24E-03	5.67E-03	7.84E-04	3.05E-02	3.64E-03	3.14E-03	2.66E-04
1876	437764.13	3725388.5	4.29E-02	9.32E-03	8.47E-03	1.17E-03	4.56E-02	5.43E-03	4.69E-03	3.97E-04
1877	437769.66	3725399.39	3.51E-02	7.62E-03	6.93E-03	9.58E-04	3.73E-02	4.44E-03	3.84E-03	3.25E-04
1878	437773.3	3725416.1	2.82E-02	6.12E-03	5.57E-03	7.69E-04	2.99E-02	3.57E-03	3.08E-03	2.61E-04
1879	437769.54	3725427.72	2.59E-02	5.63E-03	5.12E-03	7.08E-04	2.75E-02	3.28E-03	2.84E-03	2.40E-04
1880	437770.75	3725381.14	4.08E-02	8.86E-03	8.06E-03	1.11E-03	4.33E-02	5.16E-03	4.46E-03	3.77E-04
1881	437776.51	3725392.49	3.37E-02	7.33E-03	6.66E-03	9.21E-04	3.58E-02	4.27E-03	3.69E-03	3.12E-04
1882	437782.28	3725403.83	2.82E-02	6.13E-03	5.57E-03	7.69E-04	3.00E-02	3.57E-03	3.08E-03	2.61E-04
1883	437783.2	3725415.56	2.52E-02	5.46E-03	4.97E-03	6.86E-04	2.67E-02	3.19E-03	2.75E-03	2.33E-04
1884	437777.35	3725373.71	3.84E-02	8.34E-03	7.59E-03	1.05E-03	4.08E-02	4.86E-03	4.20E-03	3.55E-04
1885	437783.27	3725385.38	3.21E-02	6.97E-03	6.34E-03	8.75E-04	3.41E-02	4.06E-03	3.51E-03	2.97E-04
1886	437789.2	3725397.05	2.70E-02	5.87E-03	5.34E-03	7.37E-04	2.87E-02	3.42E-03	2.95E-03	2.50E-04
1887	437785.04	3725439.85	1.97E-02	4.29E-03	3.90E-03	5.39E-04	2.10E-02	2.50E-03	2.16E-03	1.83E-04
1888	437783.92	3725366.25	3.58E-02	7.78E-03	7.07E-03	9.77E-04	3.80E-02	4.53E-03	3.92E-03	3.31E-04
1889	437789.97	3725378.16	3.03E-02	6.57E-03	5.98E-03	8.25E-04	3.21E-02	3.83E-03	3.31E-03	2.80E-04
1890	437796.02	3725390.07	2.57E-02	5.57E-03	5.07E-03	7.00E-04	2.73E-02	3.25E-03	2.81E-03	2.37E-04
1891	437798.92	3725427.01	1.92E-02	4.16E-03	3.78E-03	5.23E-04	2.03E-02	2.43E-03	2.10E-03	1.77E-04
1892	437794.79	3725439.72	1.80E-02	3.92E-03	3.56E-03	4.92E-04	1.92E-02	2.29E-03	1.97E-03	1.67E-04
1893	437790.48	3725358.75	3.31E-02	7.19E-03	6.54E-03	9.03E-04	3.52E-02	4.19E-03	3.62E-03	3.06E-04
1894	437796.63	3725370.85	2.83E-02	6.15E-03	5.59E-03	7.73E-04	3.01E-02	3.59E-03	3.10E-03	2.62E-04
1895	437802.77	3725382.96	2.42E-02	5.26E-03	4.78E-03	6.61E-04	2.57E-02	3.07E-03	2.65E-03	2.24E-04
1896	437812.97	3725413.62	1.79E-02	3.89E-03	3.53E-03	4.88E-04	1.90E-02	2.27E-03	1.96E-03	1.65E-04
1897	437808.79	3725426.53	1.73E-02	3.76E-03	3.42E-03	4.72E-04	1.84E-02	2.19E-03	1.89E-03	1.60E-04
1898	437804.6	3725439.44	1.65E-02	3.58E-03	3.25E-03	4.50E-04	1.75E-02	2.09E-03	1.80E-03	1.52E-04
1899	437800.41	3725452.35	1.55E-02	3.38E-03	3.07E-03	4.24E-04	1.65E-02	1.97E-03	1.70E-03	1.44E-04
1900	437797.03	3725351.24	3.05E-02	6.63E-03	6.03E-03	8.33E-04	3.24E-02	3.87E-03	3.34E-03	2.82E-04
1901	437803.26	3725363.49	2.64E-02	5.73E-03	5.20E-03	7.19E-04	2.80E-02	3.34E-03	2.88E-03	2.44E-04
1902	437809.48	3725375.75	2.28E-02	4.95E-03	4.50E-03	6.21E-04	2.42E-02	2.88E-03	2.49E-03	2.11E-04
1903	437821.92	3725400.25	1.72E-02	3.74E-03	3.40E-03	4.70E-04	1.83E-02	2.18E-03	1.88E-03	1.59E-04
1904	437822.92	3725412.92	1.60E-02	3.48E-03	3.16E-03	4.37E-04	1.70E-02	2.03E-03	1.75E-03	1.48E-04
1905	437818.68	3725425.99	1.56E-02	3.39E-03	3.08E-03	4.26E-04	1.66E-02	1.98E-03	1.71E-03	1.44E-04
1906	437814.44	3725439.06	1.50E-02	3.27E-03	2.97E-03	4.10E-04	1.60E-02	1.90E-03	1.64E-03	1.39E-04
1907	437810.2	3725452.14	1.43E-02	3.11E-03	2.83E-03	3.91E-04	1.52E-02	1.81E-03	1.57E-03	1.32E-04
1908	437805.96	3725465.21	1.35E-02	2.94E-03	2.67E-03	3.69E-04	1.44E-02	1.71E-03	1.48E-03	1.25E-04
1909	437803.58	3725343.71	2.80E-02	6.09E-03	5.53E-03	7.64E-04	2.98E-02	3.55E-03	3.06E-03	2.59E-04
1910	437809.86	3725356.09	2.44E-02	5.30E-03	4.82E-03	6.66E-04	2.59E-02	3.09E-03	2.67E-03	2.26E-04

1911	437816.15	3725368.47	2.13E-02	4.63E-03	4.21E-03	5.81E-04	2.26E-02	2.70E-03	2.33E-03	1.97E-04
1912	437828.72	3725393.22	1.63E-02	3.54E-03	3.22E-03	4.44E-04	1.73E-02	2.06E-03	1.78E-03	1.51E-04
1913	437832.86	3725412.2	1.43E-02	3.12E-03	2.83E-03	3.91E-04	1.52E-02	1.82E-03	1.57E-03	1.33E-04
1914	437828.58	3725425.41	1.41E-02	3.07E-03	2.79E-03	3.85E-04	1.50E-02	1.79E-03	1.54E-03	1.31E-04
1915	437824.3	3725438.61	1.37E-02	2.98E-03	2.71E-03	3.74E-04	1.46E-02	1.74E-03	1.50E-03	1.27E-04
1916	437820.02	3725451.82	1.32E-02	2.86E-03	2.60E-03	3.59E-04	1.40E-02	1.67E-03	1.44E-03	1.22E-04
1917	437815.74	3725465.02	1.26E-02	2.73E-03	2.48E-03	3.43E-04	1.33E-02	1.59E-03	1.37E-03	1.16E-04
1918	437816.65	3725328.63	2.32E-02	5.04E-03	4.58E-03	6.33E-04	2.46E-02	2.94E-03	2.54E-03	2.14E-04
1919	437823.03	3725341.2	2.07E-02	4.50E-03	4.09E-03	5.66E-04	2.20E-02	2.62E-03	2.27E-03	1.92E-04
1920	437829.41	3725353.76	1.84E-02	4.01E-03	3.64E-03	5.03E-04	1.96E-02	2.34E-03	2.02E-03	1.71E-04
1921	437842.18	3725378.9	1.45E-02	3.14E-03	2.86E-03	3.95E-04	1.54E-02	1.83E-03	1.58E-03	1.34E-04
1922	437848.56	3725391.47	1.29E-02	2.80E-03	2.55E-03	3.52E-04	1.37E-02	1.63E-03	1.41E-03	1.19E-04
1923	437852.77	3725410.74	1.16E-02	2.52E-03	2.29E-03	3.16E-04	1.23E-02	1.47E-03	1.27E-03	1.07E-04
1924	437848.42	3725424.15	1.16E-02	2.51E-03	2.28E-03	3.15E-04	1.23E-02	1.46E-03	1.26E-03	1.07E-04
1925	437844.08	3725437.56	1.14E-02	2.48E-03	2.25E-03	3.11E-04	1.21E-02	1.44E-03	1.25E-03	1.05E-04
1926	437831.04	3725477.78	1.03E-02	2.25E-03	2.04E-03	2.82E-04	1.10E-02	1.31E-03	1.13E-03	9.56E-05
1927	437829.71	3725313.52	1.91E-02	4.15E-03	3.77E-03	5.21E-04	2.03E-02	2.42E-03	2.09E-03	1.76E-04
1928	437836.16	3725326.23	1.75E-02	3.79E-03	3.45E-03	4.76E-04	1.85E-02	2.21E-03	1.91E-03	1.61E-04
1929	437842.62	3725338.94	1.58E-02	3.44E-03	3.13E-03	4.32E-04	1.68E-02	2.00E-03	1.73E-03	1.46E-04
1930	437855.52	3725364.35	1.27E-02	2.76E-03	2.51E-03	3.47E-04	1.35E-02	1.61E-03	1.39E-03	1.18E-04
1931	437861.98	3725377.06	1.15E-02	2.49E-03	2.26E-03	3.13E-04	1.22E-02	1.45E-03	1.25E-03	1.06E-04
1932	437868.43	3725389.77	1.03E-02	2.25E-03	2.04E-03	2.82E-04	1.10E-02	1.31E-03	1.13E-03	9.56E-05
1933	437872.68	3725409.25	9.46E-03	2.06E-03	1.87E-03	2.58E-04	1.01E-02	1.20E-03	1.04E-03	8.75E-05
1934	437859.5	3725449.93	9.38E-03	2.04E-03	1.85E-03	2.56E-04	9.96E-03	1.19E-03	1.03E-03	8.67E-05
1935	437855.1	3725463.48	9.18E-03	2.00E-03	1.81E-03	2.51E-04	9.75E-03	1.16E-03	1.00E-03	8.49E-05
1936	437850.71	3725477.04	8.92E-03	1.94E-03	1.76E-03	2.43E-04	9.48E-03	1.13E-03	9.76E-04	8.25E-05
1937	437846.31	3725490.6	8.59E-03	1.87E-03	1.70E-03	2.34E-04	9.12E-03	1.09E-03	9.39E-04	7.94E-05
1938	437842.76	3725298.4	1.59E-02	3.46E-03	3.14E-03	4.34E-04	1.69E-02	2.02E-03	1.74E-03	1.47E-04
1939	437849.27	3725311.21	1.48E-02	3.22E-03	2.93E-03	4.05E-04	1.58E-02	1.88E-03	1.62E-03	1.37E-04
1940	437855.78	3725324.03	1.37E-02	2.97E-03	2.70E-03	3.73E-04	1.45E-02	1.73E-03	1.50E-03	1.26E-04
1941	437868.79	3725349.65	1.13E-02	2.45E-03	2.22E-03	3.07E-04	1.20E-02	1.43E-03	1.23E-03	1.04E-04
1942	437875.3	3725362.47	1.02E-02	2.22E-03	2.02E-03	2.78E-04	1.08E-02	1.29E-03	1.12E-03	9.44E-05
1943	437881.81	3725375.28	9.26E-03	2.01E-03	1.83E-03	2.53E-04	9.84E-03	1.17E-03	1.01E-03	8.57E-05
1944	437888.31	3725388.1	8.41E-03	1.83E-03	1.66E-03	2.29E-04	8.93E-03	1.06E-03	9.20E-04	7.78E-05
1945	437888.17	3725421.42	7.91E-03	1.72E-03	1.56E-03	2.16E-04	8.40E-03	1.00E-03	8.65E-04	7.31E-05
1946	437879.31	3725448.76	7.93E-03	1.72E-03	1.57E-03	2.16E-04	8.42E-03	1.00E-03	8.67E-04	7.33E-05
1947	437874.88	3725462.43	7.84E-03	1.70E-03	1.55E-03	2.14E-04	8.33E-03	9.93E-04	8.58E-04	7.25E-05
1948	437855.81	3725283.26	1.33E-02	2.88E-03	2.62E-03	3.62E-04	1.41E-02	1.68E-03	1.45E-03	1.23E-04
1949	437862.36	3725296.16	1.26E-02	2.74E-03	2.49E-03	3.44E-04	1.34E-02	1.60E-03	1.38E-03	1.17E-04
1950	437868.91	3725309.06	1.18E-02	2.56E-03	2.33E-03	3.22E-04	1.25E-02	1.49E-03	1.29E-03	1.09E-04
1951	437882.01	3725334.86	1.00E-02	2.18E-03	1.98E-03	2.74E-04	1.07E-02	1.27E-03	1.10E-03	9.29E-05
1952	437888.56	3725347.76	9.16E-03	1.99E-03	1.81E-03	2.50E-04	9.73E-03	1.16E-03	1.00E-03	8.47E-05
1953	437895.11	3725360.65	8.39E-03	1.82E-03	1.66E-03	2.29E-04	8.91E-03	1.06E-03	9.18E-04	7.76E-05
1954	437901.66	3725373.55	7.70E-03	1.67E-03	1.52E-03	2.10E-04	8.18E-03	9.75E-04	8.42E-04	7.12E-05
1955	437912.53	3725406.23	6.54E-03	1.42E-03	1.29E-03	1.79E-04	6.95E-03	8.28E-04	7.16E-04	6.05E-05
1956	437908.07	3725419.99	6.61E-03	1.44E-03	1.31E-03	1.80E-04	7.02E-03	8.37E-04	7.23E-04	6.12E-05
1957	437903.61	3725433.75	6.68E-03	1.45E-03	1.32E-03	1.82E-04	7.09E-03	8.46E-04	7.31E-04	6.18E-05
1958	437881.3	3725502.56	6.36E-03	1.38E-03	1.26E-03	1.74E-04	6.76E-03	8.05E-04	6.96E-04	5.88E-05
1959	437876.84	3725516.32	6.17E-03	1.34E-03	1.22E-03	1.68E-04	6.55E-03	7.81E-04	6.75E-04	5.70E-05
1960	437868.85	3725268.12	1.11E-02	2.41E-03	2.19E-03	3.02E-04	1.18E-02	1.40E-03	1.21E-03	1.02E-04
1961	437875.43	3725281.09	1.07E-02	2.32E-03	2.11E-03	2.91E-04	1.13E-02	1.35E-03	1.17E-03	9.87E-05
1962	437882.02	3725294.05	1.02E-02	2.21E-03	2.01E-03	2.77E-04	1.08E-02	1.29E-03	1.11E-03	9.39E-05
1963	437895.19	3725319.99	8.95E-03	1.94E-03	1.77E-03	2.44E-04	9.51E-03	1.13E-03	9.79E-04	8.28E-05
1964	437901.77	3725332.95	8.31E-03	1.81E-03	1.64E-03	2.27E-04	8.83E-03	1.05E-03	9.09E-04	7.69E-05
1965	437908.36	3725345.92	7.68E-03	1.67E-03	1.52E-03	2.10E-04	8.16E-03	9.73E-04	8.40E-04	7.10E-05
1966	437914.94	3725358.89	7.10E-03	1.54E-03	1.40E-03	1.94E-04	7.54E-03	8.99E-04	7.76E-04	6.56E-05
1967	437928.11	3725384.82	6.02E-03	1.31E-03	1.19E-03	1.64E-04	6.39E-03	7.62E-04	6.58E-04	5.57E-05
1968	437932.46	3725404.7	5.61E-03	1.22E-03	1.11E-03	1.53E-04	5.96E-03	7.10E-04	6.13E-04	5.19E-05

1969	437927.97	3725418.54	5.63E-03	1.22E-03	1.11E-03	1.54E-04	5.98E-03	7.13E-04	6.16E-04	5.21E-05
1970	437923.49	3725432.37	5.67E-03	1.23E-03	1.12E-03	1.55E-04	6.02E-03	7.18E-04	6.20E-04	5.25E-05
1971	437919	3725446.21	5.69E-03	1.24E-03	1.12E-03	1.55E-04	6.04E-03	7.21E-04	6.23E-04	5.26E-05
1972	437910.03	3725473.88	5.72E-03	1.24E-03	1.13E-03	1.56E-04	6.08E-03	7.25E-04	6.26E-04	5.29E-05
1973	437905.55	3725487.71	5.67E-03	1.23E-03	1.12E-03	1.55E-04	6.02E-03	7.18E-04	6.20E-04	5.24E-05
1974	437901.06	3725501.54	5.57E-03	1.21E-03	1.10E-03	1.52E-04	5.92E-03	7.06E-04	6.10E-04	5.16E-05
1975	437896.58	3725515.38	5.45E-03	1.18E-03	1.08E-03	1.49E-04	5.79E-03	6.90E-04	5.96E-04	5.04E-05
1976	437892.09	3725529.21	5.30E-03	1.15E-03	1.05E-03	1.45E-04	5.63E-03	6.71E-04	5.79E-04	4.90E-05
1977	437881.89	3725252.97	9.29E-03	2.02E-03	1.84E-03	2.53E-04	9.87E-03	1.18E-03	1.02E-03	8.59E-05
1978	437888.5	3725265.99	9.10E-03	1.98E-03	1.80E-03	2.48E-04	9.67E-03	1.15E-03	9.95E-04	8.42E-05
1979	437895.12	3725279.02	8.77E-03	1.90E-03	1.73E-03	2.39E-04	9.31E-03	1.11E-03	9.59E-04	8.11E-05
1980	437908.34	3725305.06	7.93E-03	1.72E-03	1.57E-03	2.16E-04	8.42E-03	1.00E-03	8.68E-04	7.33E-05
1981	437914.96	3725318.09	7.47E-03	1.62E-03	1.48E-03	2.04E-04	7.94E-03	9.46E-04	8.17E-04	6.91E-05
1982	437921.57	3725331.11	7.00E-03	1.52E-03	1.38E-03	1.91E-04	7.43E-03	8.86E-04	7.65E-04	6.47E-05
1983	437928.18	3725344.13	6.52E-03	1.42E-03	1.29E-03	1.78E-04	6.92E-03	8.25E-04	7.13E-04	6.03E-05
1984	437941.41	3725370.18	5.62E-03	1.22E-03	1.11E-03	1.53E-04	5.97E-03	7.11E-04	6.14E-04	5.19E-05
1985	437948.02	3725383.2	5.22E-03	1.13E-03	1.03E-03	1.42E-04	5.54E-03	6.61E-04	5.71E-04	4.83E-05
1986	437952.39	3725403.17	4.88E-03	1.06E-03	9.65E-04	1.33E-04	5.19E-03	6.18E-04	5.34E-04	4.52E-05
1987	437947.88	3725417.07	4.90E-03	1.06E-03	9.67E-04	1.34E-04	5.20E-03	6.20E-04	5.36E-04	4.53E-05
1988	437943.38	3725430.96	4.93E-03	1.07E-03	9.74E-04	1.35E-04	5.24E-03	6.25E-04	5.40E-04	4.56E-05
1989	437938.87	3725444.86	4.96E-03	1.08E-03	9.79E-04	1.35E-04	5.26E-03	6.27E-04	5.42E-04	4.58E-05
1990	437934.37	3725458.75	4.96E-03	1.08E-03	9.80E-04	1.35E-04	5.27E-03	6.28E-04	5.43E-04	4.59E-05
1991	437925.36	3725486.54	4.93E-03	1.07E-03	9.74E-04	1.34E-04	5.24E-03	6.24E-04	5.39E-04	4.56E-05
1992	437920.85	3725500.43	4.88E-03	1.06E-03	9.64E-04	1.33E-04	5.19E-03	6.18E-04	5.34E-04	4.51E-05
1993	437916.35	3725514.33	4.81E-03	1.05E-03	9.50E-04	1.31E-04	5.11E-03	6.09E-04	5.26E-04	4.45E-05
1994	437911.85	3725528.22	4.72E-03	1.02E-03	9.31E-04	1.29E-04	5.01E-03	5.97E-04	5.16E-04	4.36E-05
1995	437894.93	3725237.82	7.86E-03	1.71E-03	1.55E-03	2.14E-04	8.35E-03	9.95E-04	8.60E-04	7.27E-05
1996	437901.56	3725250.89	7.77E-03	1.69E-03	1.53E-03	2.12E-04	8.25E-03	9.84E-04	8.50E-04	7.18E-05
1997	437908.2	3725263.96	7.60E-03	1.65E-03	1.50E-03	2.07E-04	8.07E-03	9.62E-04	8.31E-04	7.03E-05
1998	437921.48	3725290.1	7.02E-03	1.53E-03	1.39E-03	1.92E-04	7.46E-03	8.89E-04	7.68E-04	6.50E-05
1999	437928.11	3725303.17	6.68E-03	1.45E-03	1.32E-03	1.82E-04	7.10E-03	8.46E-04	7.31E-04	6.18E-05
2000	437934.75	3725316.24	6.33E-03	1.37E-03	1.25E-03	1.73E-04	6.72E-03	8.01E-04	6.92E-04	5.85E-05
2001	437941.39	3725329.31	5.96E-03	1.29E-03	1.18E-03	1.63E-04	6.33E-03	7.54E-04	6.52E-04	5.51E-05
2002	437954.66	3725355.45	5.21E-03	1.13E-03	1.03E-03	1.42E-04	5.54E-03	6.60E-04	5.70E-04	4.82E-05
2003	437961.3	3725368.52	4.88E-03	1.06E-03	9.64E-04	1.33E-04	5.18E-03	6.18E-04	5.34E-04	4.51E-05
2004	437967.94	3725381.59	4.58E-03	9.96E-04	9.05E-04	1.25E-04	4.87E-03	5.80E-04	5.01E-04	4.24E-05
2005	437972.32	3725401.64	4.32E-03	9.38E-04	8.53E-04	1.18E-04	4.59E-03	5.47E-04	4.72E-04	3.99E-05
2006	437967.8	3725415.58	4.33E-03	9.40E-04	8.55E-04	1.18E-04	4.60E-03	5.48E-04	4.73E-04	4.00E-05
2007	437963.27	3725429.53	4.34E-03	9.44E-04	8.58E-04	1.18E-04	4.61E-03	5.50E-04	4.75E-04	4.02E-05
2008	437958.75	3725443.47	4.35E-03	9.45E-04	8.59E-04	1.19E-04	4.62E-03	5.51E-04	4.76E-04	4.02E-05
2009	437954.23	3725457.41	4.34E-03	9.43E-04	8.58E-04	1.18E-04	4.61E-03	5.50E-04	4.75E-04	4.02E-05
2010	437949.71	3725471.36	4.32E-03	9.39E-04	8.53E-04	1.18E-04	4.59E-03	5.47E-04	4.73E-04	4.00E-05
2011	437940.67	3725499.25	4.28E-03	9.30E-04	8.46E-04	1.17E-04	4.55E-03	5.42E-04	4.68E-04	3.96E-05
2012	437936.15	3725513.19	4.25E-03	9.23E-04	8.39E-04	1.16E-04	4.51E-03	5.38E-04	4.65E-04	3.93E-05
2013	437931.63	3725527.14	4.20E-03	9.12E-04	8.29E-04	1.15E-04	4.46E-03	5.32E-04	4.59E-04	3.88E-05
2014	437907.96	3725222.66	6.70E-03	1.46E-03	1.32E-03	1.83E-04	7.12E-03	8.49E-04	7.33E-04	6.20E-05
2015	437914.62	3725235.77	6.67E-03	1.45E-03	1.32E-03	1.82E-04	7.08E-03	8.44E-04	7.30E-04	6.17E-05
2016	437921.28	3725248.88	6.58E-03	1.43E-03	1.30E-03	1.79E-04	6.99E-03	8.33E-04	7.20E-04	6.08E-05
2017	437934.59	3725275.1	6.21E-03	1.35E-03	1.23E-03	1.69E-04	6.59E-03	7.86E-04	6.79E-04	5.74E-05
2018	437941.25	3725288.21	5.97E-03	1.30E-03	1.18E-03	1.63E-04	6.34E-03	7.56E-04	6.53E-04	5.52E-05
2019	437947.91	3725301.32	5.71E-03	1.24E-03	1.13E-03	1.56E-04	6.06E-03	7.23E-04	6.24E-04	5.28E-05
2020	437954.57	3725314.43	5.41E-03	1.18E-03	1.07E-03	1.48E-04	5.75E-03	6.85E-04	5.92E-04	5.01E-05
2021	437967.88	3725340.66	4.81E-03	1.05E-03	9.50E-04	1.31E-04	5.11E-03	6.09E-04	5.26E-04	4.45E-05
2022	437974.54	3725353.77	4.53E-03	9.84E-04	8.94E-04	1.24E-04	4.81E-03	5.73E-04	4.95E-04	4.19E-05
2023	437981.2	3725366.88	4.28E-03	9.29E-04	8.45E-04	1.17E-04	4.54E-03	5.41E-04	4.68E-04	3.95E-05
2024	437987.86	3725379.99	4.03E-03	8.76E-04	7.96E-04	1.10E-04	4.28E-03	5.11E-04	4.41E-04	3.73E-05
2025	437992.25	3725400.09	3.81E-03	8.28E-04	7.53E-04	1.04E-04	4.05E-03	4.83E-04	4.17E-04	3.53E-05
2026	437987.71	3725414.08	3.84E-03	8.34E-04	7.59E-04	1.05E-04	4.08E-03	4.86E-04	4.20E-04	3.55E-05

2027	437983.18	3725428.07	3.85E-03	8.37E-04	7.61E-04	1.05E-04	4.09E-03	4.88E-04	4.21E-04	3.56E-05
2028	437978.64	3725442.06	3.85E-03	8.38E-04	7.61E-04	1.05E-04	4.09E-03	4.88E-04	4.22E-04	3.57E-05
2029	437974.11	3725456.05	3.84E-03	8.34E-04	7.58E-04	1.05E-04	4.08E-03	4.86E-04	4.20E-04	3.55E-05
2030	437969.57	3725470.03	3.82E-03	8.30E-04	7.54E-04	1.04E-04	4.06E-03	4.83E-04	4.18E-04	3.53E-05
2031	437965.04	3725484.02	3.80E-03	8.26E-04	7.51E-04	1.04E-04	4.04E-03	4.81E-04	4.16E-04	3.52E-05
2032	437955.97	3725512	3.76E-03	8.17E-04	7.43E-04	1.03E-04	3.99E-03	4.76E-04	4.11E-04	3.48E-05
2033	437951.44	3725525.99	3.74E-03	8.13E-04	7.39E-04	1.02E-04	3.97E-03	4.74E-04	4.09E-04	3.46E-05
2034	437946.9	3725539.97	3.70E-03	8.05E-04	7.32E-04	1.01E-04	3.93E-03	4.69E-04	4.05E-04	3.43E-05
2035	437927.67	3725220.64	5.74E-03	1.25E-03	1.13E-03	1.57E-04	6.10E-03	7.27E-04	6.28E-04	5.31E-05
2036	437934.35	3725233.79	5.70E-03	1.24E-03	1.13E-03	1.56E-04	6.06E-03	7.22E-04	6.24E-04	5.27E-05
2037	437947.7	3725260.08	5.48E-03	1.19E-03	1.08E-03	1.49E-04	5.82E-03	6.93E-04	5.99E-04	5.06E-05
2038	437954.37	3725273.23	5.31E-03	1.15E-03	1.05E-03	1.45E-04	5.64E-03	6.72E-04	5.81E-04	4.91E-05
2039	437961.05	3725286.37	5.12E-03	1.11E-03	1.01E-03	1.40E-04	5.44E-03	6.48E-04	5.60E-04	4.73E-05
2040	437967.72	3725299.52	4.90E-03	1.07E-03	9.68E-04	1.34E-04	5.21E-03	6.21E-04	5.36E-04	4.53E-05
2041	437981.08	3725325.81	4.42E-03	9.61E-04	8.74E-04	1.21E-04	4.70E-03	5.60E-04	4.84E-04	4.09E-05
2042	437987.75	3725338.96	4.19E-03	9.11E-04	8.28E-04	1.14E-04	4.45E-03	5.31E-04	4.59E-04	3.88E-05
2043	437994.43	3725352.1	3.97E-03	8.62E-04	7.84E-04	1.08E-04	4.22E-03	5.03E-04	4.34E-04	3.67E-05
2044	438001.1	3725365.25	3.75E-03	8.16E-04	7.42E-04	1.02E-04	3.99E-03	4.75E-04	4.11E-04	3.47E-05
2045	438007.78	3725378.39	3.55E-03	7.70E-04	7.00E-04	9.67E-05	3.77E-03	4.49E-04	3.88E-04	3.28E-05
2046	438012.18	3725398.55	3.37E-03	7.32E-04	6.66E-04	9.19E-05	3.58E-03	4.27E-04	3.69E-04	3.12E-05
2047	438007.63	3725412.58	3.41E-03	7.40E-04	6.73E-04	9.29E-05	3.62E-03	4.31E-04	3.73E-04	3.15E-05
2048	438003.09	3725426.6	3.42E-03	7.42E-04	6.75E-04	9.32E-05	3.63E-03	4.32E-04	3.74E-04	3.16E-05
2049	437998.54	3725440.63	3.42E-03	7.42E-04	6.75E-04	9.32E-05	3.63E-03	4.33E-04	3.74E-04	3.16E-05
2050	437993.99	3725454.65	3.41E-03	7.41E-04	6.73E-04	9.30E-05	3.62E-03	4.32E-04	3.73E-04	3.15E-05
2051	437989.45	3725468.68	3.39E-03	7.37E-04	6.70E-04	9.26E-05	3.60E-03	4.30E-04	3.71E-04	3.14E-05
2052	437984.9	3725482.7	3.38E-03	7.34E-04	6.67E-04	9.22E-05	3.59E-03	4.28E-04	3.69E-04	3.12E-05
2053	437980.35	3725496.73	3.36E-03	7.31E-04	6.64E-04	9.18E-05	3.57E-03	4.26E-04	3.68E-04	3.11E-05
2054	437971.26	3725524.78	3.33E-03	7.24E-04	6.58E-04	9.09E-05	3.54E-03	4.22E-04	3.65E-04	3.08E-05
2055	437966.71	3725538.8	3.31E-03	7.20E-04	6.54E-04	9.04E-05	3.52E-03	4.19E-04	3.62E-04	3.06E-05
2056	437962.17	3725552.83	3.28E-03	7.13E-04	6.48E-04	8.96E-05	3.49E-03	4.16E-04	3.59E-04	3.04E-05
2057	437912.05	3725196.12	5.81E-03	1.26E-03	1.15E-03	1.59E-04	6.18E-03	7.36E-04	6.36E-04	5.38E-05
2058	437959.85	3725243.19	4.85E-03	1.05E-03	9.58E-04	1.32E-04	5.15E-03	6.14E-04	5.31E-04	4.49E-05
2059	437972.81	3725268.72	4.61E-03	1.00E-03	9.11E-04	1.26E-04	4.90E-03	5.84E-04	5.05E-04	4.27E-05
2060	437979.3	3725281.48	4.46E-03	9.70E-04	8.82E-04	1.22E-04	4.74E-03	5.65E-04	4.88E-04	4.13E-05
2061	437992.26	3725307.01	4.12E-03	8.95E-04	8.14E-04	1.12E-04	4.38E-03	5.22E-04	4.51E-04	3.81E-05
2062	437998.74	3725319.77	3.94E-03	8.57E-04	7.79E-04	1.08E-04	4.19E-03	4.99E-04	4.31E-04	3.65E-05
2063	438005.22	3725332.54	3.76E-03	8.17E-04	7.43E-04	1.03E-04	4.00E-03	4.76E-04	4.12E-04	3.48E-05
2064	438011.71	3725345.3	3.58E-03	7.78E-04	7.07E-04	9.77E-05	3.80E-03	4.53E-04	3.92E-04	3.31E-05
2065	438018.19	3725358.07	3.40E-03	7.39E-04	6.72E-04	9.28E-05	3.61E-03	4.31E-04	3.72E-04	3.15E-05
2066	438024.67	3725370.83	3.23E-03	7.02E-04	6.38E-04	8.82E-05	3.43E-03	4.09E-04	3.53E-04	2.99E-05
2067	438031.15	3725383.59	3.07E-03	6.66E-04	6.06E-04	8.37E-05	3.26E-03	3.88E-04	3.35E-04	2.84E-05
2068	438032.19	3725396.79	2.99E-03	6.51E-04	5.91E-04	8.17E-05	3.18E-03	3.79E-04	3.28E-04	2.77E-05
2069	438027.77	3725410.4	3.01E-03	6.55E-04	5.95E-04	8.22E-05	3.20E-03	3.82E-04	3.30E-04	2.79E-05
2070	438023.36	3725424.02	3.03E-03	6.59E-04	5.99E-04	8.27E-05	3.22E-03	3.84E-04	3.32E-04	2.80E-05
2071	438018.94	3725437.64	3.04E-03	6.61E-04	6.00E-04	8.30E-05	3.23E-03	3.85E-04	3.33E-04	2.81E-05
2072	438014.53	3725451.26	3.04E-03	6.61E-04	6.01E-04	8.30E-05	3.23E-03	3.85E-04	3.33E-04	2.81E-05
2073	438010.11	3725464.88	3.03E-03	6.59E-04	5.99E-04	8.28E-05	3.22E-03	3.84E-04	3.32E-04	2.81E-05
2074	438005.7	3725478.49	3.02E-03	6.57E-04	5.97E-04	8.25E-05	3.21E-03	3.83E-04	3.31E-04	2.80E-05
2075	438001.28	3725492.11	3.01E-03	6.55E-04	5.95E-04	8.23E-05	3.20E-03	3.82E-04	3.30E-04	2.79E-05
2076	437996.87	3725505.73	3.00E-03	6.52E-04	5.93E-04	8.19E-05	3.19E-03	3.80E-04	3.28E-04	2.78E-05
2077	437988.04	3725532.97	2.97E-03	6.46E-04	5.87E-04	8.11E-05	3.16E-03	3.77E-04	3.25E-04	2.75E-05
2078	437983.62	3725546.58	2.96E-03	6.43E-04	5.85E-04	8.08E-05	3.15E-03	3.75E-04	3.24E-04	2.74E-05
2079	437979.21	3725560.2	2.94E-03	6.40E-04	5.81E-04	8.03E-05	3.13E-03	3.73E-04	3.22E-04	2.72E-05
2080	437974.79	3725573.82	2.92E-03	6.35E-04	5.77E-04	7.97E-05	3.10E-03	3.70E-04	3.20E-04	2.70E-05
2081	437965.96	3725601.06	2.85E-03	6.20E-04	5.64E-04	7.79E-05	3.03E-03	3.61E-04	3.12E-04	2.64E-05
2082	438005.63	3725272.1	3.71E-03	8.07E-04	7.34E-04	1.01E-04	3.95E-03	4.70E-04	4.06E-04	3.44E-05
2083	438012.15	3725284.93	3.60E-03	7.81E-04	7.10E-04	9.81E-05	3.82E-03	4.55E-04	3.93E-04	3.33E-05
2084	438018.67	3725297.77	3.47E-03	7.53E-04	6.85E-04	9.46E-05	3.68E-03	4.39E-04	3.79E-04	3.21E-05

2085	438025.19	3725310.61	3.34E-03	7.25E-04	6.59E-04	9.10E-05	3.54E-03	4.22E-04	3.65E-04	3.08E-05
2086	438031.71	3725323.45	3.20E-03	6.95E-04	6.32E-04	8.73E-05	3.40E-03	4.05E-04	3.50E-04	2.96E-05
2087	438038.23	3725336.28	3.07E-03	6.66E-04	6.05E-04	8.36E-05	3.26E-03	3.88E-04	3.35E-04	2.84E-05
2088	438044.74	3725349.12	2.93E-03	6.37E-04	5.79E-04	8.00E-05	3.11E-03	3.71E-04	3.21E-04	2.71E-05
2089	438051.26	3725361.96	2.80E-03	6.08E-04	5.52E-04	7.63E-05	2.97E-03	3.54E-04	3.06E-04	2.59E-05
2090	438057.78	3725374.8	2.66E-03	5.78E-04	5.26E-04	7.26E-05	2.83E-03	3.37E-04	2.91E-04	2.46E-05
2091	438062.08	3725394.48	2.54E-03	5.52E-04	5.02E-04	6.93E-05	2.70E-03	3.22E-04	2.78E-04	2.35E-05
2092	438057.64	3725408.18	2.56E-03	5.55E-04	5.05E-04	6.97E-05	2.71E-03	3.24E-04	2.80E-04	2.36E-05
2093	438053.2	3725421.87	2.57E-03	5.57E-04	5.07E-04	7.00E-05	2.73E-03	3.25E-04	2.81E-04	2.37E-05
2094	438048.76	3725435.57	2.57E-03	5.59E-04	5.08E-04	7.02E-05	2.73E-03	3.26E-04	2.82E-04	2.38E-05
2095	438044.32	3725449.26	2.58E-03	5.61E-04	5.10E-04	7.05E-05	2.74E-03	3.27E-04	2.83E-04	2.39E-05
2096	438039.88	3725462.96	2.59E-03	5.63E-04	5.11E-04	7.07E-05	2.75E-03	3.28E-04	2.83E-04	2.40E-05
2097	438035.44	3725476.66	2.59E-03	5.63E-04	5.12E-04	7.07E-05	2.75E-03	3.28E-04	2.83E-04	2.40E-05
2098	438031	3725490.35	2.58E-03	5.61E-04	5.10E-04	7.04E-05	2.74E-03	3.27E-04	2.82E-04	2.39E-05
2099	438026.56	3725504.05	2.57E-03	5.58E-04	5.07E-04	7.01E-05	2.73E-03	3.25E-04	2.81E-04	2.38E-05
2100	438022.12	3725517.74	2.56E-03	5.57E-04	5.06E-04	6.99E-05	2.72E-03	3.25E-04	2.80E-04	2.37E-05
2101	438008.8	3725558.83	2.53E-03	5.51E-04	5.01E-04	6.92E-05	2.69E-03	3.21E-04	2.77E-04	2.34E-05
2102	438004.36	3725572.53	2.53E-03	5.49E-04	4.99E-04	6.90E-05	2.69E-03	3.20E-04	2.77E-04	2.34E-05
2103	437999.92	3725586.22	2.52E-03	5.48E-04	4.98E-04	6.88E-05	2.68E-03	3.19E-04	2.76E-04	2.33E-05
2104	438031.98	3725262.75	3.13E-03	6.81E-04	6.19E-04	8.55E-05	3.33E-03	3.97E-04	3.43E-04	2.90E-05
2105	438045.08	3725288.55	2.95E-03	6.40E-04	5.82E-04	8.04E-05	3.13E-03	3.73E-04	3.22E-04	2.72E-05
2106	438051.63	3725301.45	2.84E-03	6.17E-04	5.61E-04	7.74E-05	3.01E-03	3.59E-04	3.10E-04	2.62E-05
2107	438058.18	3725314.35	2.73E-03	5.93E-04	5.39E-04	7.45E-05	2.90E-03	3.46E-04	2.99E-04	2.52E-05
2108	438064.73	3725327.25	2.62E-03	5.69E-04	5.17E-04	7.15E-05	2.78E-03	3.32E-04	2.87E-04	2.42E-05
2109	438071.28	3725340.14	2.52E-03	5.48E-04	4.98E-04	6.88E-05	2.68E-03	3.19E-04	2.76E-04	2.33E-05
2110	438077.83	3725353.04	2.42E-03	5.27E-04	4.79E-04	6.62E-05	2.58E-03	3.07E-04	2.65E-04	2.24E-05
2111	438084.38	3725365.94	2.32E-03	5.04E-04	4.58E-04	6.32E-05	2.46E-03	2.93E-04	2.54E-04	2.14E-05
2112	438090.93	3725378.84	2.22E-03	4.81E-04	4.38E-04	6.04E-05	2.35E-03	2.81E-04	2.42E-04	2.05E-05
2113	438091.98	3725392.17	2.18E-03	4.73E-04	4.30E-04	5.94E-05	2.31E-03	2.76E-04	2.38E-04	2.01E-05
2114	438087.52	3725405.93	2.19E-03	4.76E-04	4.33E-04	5.98E-05	2.33E-03	2.78E-04	2.40E-04	2.03E-05
2115	438083.06	3725419.69	2.21E-03	4.79E-04	4.36E-04	6.02E-05	2.34E-03	2.79E-04	2.41E-04	2.04E-05
2116	438078.6	3725433.45	2.21E-03	4.80E-04	4.36E-04	6.03E-05	2.35E-03	2.80E-04	2.42E-04	2.04E-05
2117	438074.13	3725447.22	2.21E-03	4.81E-04	4.37E-04	6.04E-05	2.35E-03	2.80E-04	2.42E-04	2.05E-05
2118	438069.67	3725460.98	2.22E-03	4.83E-04	4.39E-04	6.06E-05	2.36E-03	2.81E-04	2.43E-04	2.05E-05
2119	438065.21	3725474.74	2.23E-03	4.84E-04	4.40E-04	6.08E-05	2.37E-03	2.82E-04	2.44E-04	2.06E-05
2120	438060.75	3725488.5	2.23E-03	4.84E-04	4.40E-04	6.08E-05	2.37E-03	2.82E-04	2.44E-04	2.06E-05
2121	438056.29	3725502.26	2.23E-03	4.84E-04	4.40E-04	6.07E-05	2.36E-03	2.82E-04	2.44E-04	2.06E-05
2122	438051.83	3725516.02	2.22E-03	4.83E-04	4.39E-04	6.06E-05	2.36E-03	2.81E-04	2.43E-04	2.06E-05
2123	438047.37	3725529.78	2.22E-03	4.82E-04	4.38E-04	6.05E-05	2.36E-03	2.81E-04	2.43E-04	2.05E-05
2124	438042.9	3725543.55	2.21E-03	4.81E-04	4.37E-04	6.04E-05	2.35E-03	2.80E-04	2.42E-04	2.05E-05
2125	438029.52	3725584.83	2.20E-03	4.79E-04	4.35E-04	6.01E-05	2.34E-03	2.79E-04	2.41E-04	2.04E-05
2126	438025.06	3725598.59	2.20E-03	4.77E-04	4.34E-04	6.00E-05	2.33E-03	2.78E-04	2.40E-04	2.03E-05
2127	438020.6	3725612.35	2.19E-03	4.75E-04	4.32E-04	5.97E-05	2.32E-03	2.77E-04	2.39E-04	2.02E-05
2128	438011.67	3725639.88	2.15E-03	4.66E-04	4.24E-04	5.86E-05	2.28E-03	2.72E-04	2.35E-04	1.99E-05
2129	438078.08	3725292.29	2.44E-03	5.29E-04	4.81E-04	6.65E-05	2.59E-03	3.09E-04	2.67E-04	2.25E-05
2130	438084.66	3725305.24	2.36E-03	5.12E-04	4.65E-04	6.43E-05	2.50E-03	2.98E-04	2.58E-04	2.18E-05
2131	438091.23	3725318.19	2.27E-03	4.94E-04	4.49E-04	6.21E-05	2.42E-03	2.88E-04	2.49E-04	2.10E-05
2132	438097.81	3725331.14	2.19E-03	4.76E-04	4.33E-04	5.98E-05	2.33E-03	2.78E-04	2.40E-04	2.03E-05
2133	438104.39	3725344.09	2.11E-03	4.58E-04	4.16E-04	5.75E-05	2.24E-03	2.67E-04	2.31E-04	1.95E-05
2134	438110.96	3725357.04	2.02E-03	4.40E-04	4.00E-04	5.52E-05	2.15E-03	2.56E-04	2.21E-04	1.87E-05
2135	438117.54	3725369.99	1.94E-03	4.22E-04	3.83E-04	5.30E-05	2.06E-03	2.46E-04	2.12E-04	1.80E-05
2136	438121.88	3725389.85	1.87E-03	4.07E-04	3.70E-04	5.11E-05	1.99E-03	2.37E-04	2.05E-04	1.73E-05
2137	438117.4	3725403.67	1.89E-03	4.11E-04	3.74E-04	5.17E-05	2.01E-03	2.40E-04	2.07E-04	1.75E-05
2138	438112.92	3725417.49	1.91E-03	4.15E-04	3.77E-04	5.21E-05	2.03E-03	2.42E-04	2.09E-04	1.77E-05
2139	438108.44	3725431.31	1.91E-03	4.16E-04	3.78E-04	5.22E-05	2.03E-03	2.42E-04	2.09E-04	1.77E-05
2140	438103.96	3725445.12	1.92E-03	4.17E-04	3.79E-04	5.23E-05	2.04E-03	2.43E-04	2.10E-04	1.77E-05
2141	438099.48	3725458.94	1.93E-03	4.19E-04	3.81E-04	5.26E-05	2.05E-03	2.44E-04	2.11E-04	1.78E-05
2142	438095	3725472.76	1.94E-03	4.22E-04	3.83E-04	5.29E-05	2.06E-03	2.46E-04	2.12E-04	1.79E-05

2143	438090.52	3725486.58	1.95E-03	4.23E-04	3.85E-04	5.31E-05	2.07E-03	2.47E-04	2.13E-04	1.80E-05
2144	438086.04	3725500.39	1.95E-03	4.24E-04	3.85E-04	5.32E-05	2.07E-03	2.47E-04	2.13E-04	1.80E-05
2145	438081.56	3725514.21	1.95E-03	4.24E-04	3.85E-04	5.32E-05	2.07E-03	2.47E-04	2.13E-04	1.80E-05
2146	438077.08	3725528.03	1.94E-03	4.22E-04	3.84E-04	5.30E-05	2.07E-03	2.46E-04	2.13E-04	1.80E-05
2147	438072.6	3725541.85	1.94E-03	4.21E-04	3.83E-04	5.29E-05	2.06E-03	2.45E-04	2.12E-04	1.79E-05
2148	438068.12	3725555.66	1.93E-03	4.20E-04	3.82E-04	5.28E-05	2.05E-03	2.45E-04	2.12E-04	1.79E-05
2149	438054.69	3725597.11	1.94E-03	4.21E-04	3.83E-04	5.29E-05	2.06E-03	2.45E-04	2.12E-04	1.79E-05
2150	438050.21	3725610.93	1.93E-03	4.20E-04	3.82E-04	5.27E-05	2.05E-03	2.45E-04	2.11E-04	1.79E-05
2151	438045.73	3725624.75	1.92E-03	4.18E-04	3.80E-04	5.25E-05	2.04E-03	2.44E-04	2.10E-04	1.78E-05
2152	438041.25	3725638.57	1.91E-03	4.15E-04	3.77E-04	5.21E-05	2.03E-03	2.42E-04	2.09E-04	1.77E-05
2153	438104.53	3725283.13	2.11E-03	4.59E-04	4.18E-04	5.77E-05	2.25E-03	2.68E-04	2.31E-04	1.96E-05
2154	438111.13	3725296.13	2.05E-03	4.46E-04	4.06E-04	5.61E-05	2.18E-03	2.60E-04	2.25E-04	1.90E-05
2155	438117.73	3725309.12	1.98E-03	4.31E-04	3.92E-04	5.42E-05	2.11E-03	2.51E-04	2.17E-04	1.84E-05
2156	438124.33	3725322.12	1.91E-03	4.16E-04	3.78E-04	5.22E-05	2.03E-03	2.42E-04	2.09E-04	1.77E-05
2157	438130.93	3725335.12	1.84E-03	4.01E-04	3.64E-04	5.03E-05	1.96E-03	2.34E-04	2.02E-04	1.71E-05
2158	438137.53	3725348.11	1.78E-03	3.86E-04	3.51E-04	4.85E-05	1.89E-03	2.25E-04	1.94E-04	1.64E-05
2159	438144.13	3725361.11	1.71E-03	3.72E-04	3.38E-04	4.67E-05	1.82E-03	2.17E-04	1.87E-04	1.58E-05
2160	438150.73	3725374.1	1.65E-03	3.57E-04	3.25E-04	4.49E-05	1.75E-03	2.08E-04	1.80E-04	1.52E-05
2161	438151.78	3725387.54	1.62E-03	3.53E-04	3.21E-04	4.43E-05	1.72E-03	2.06E-04	1.78E-04	1.50E-05
2162	438147.28	3725401.4	1.64E-03	3.57E-04	3.24E-04	4.48E-05	1.74E-03	2.08E-04	1.80E-04	1.52E-05
2163	438142.79	3725415.27	1.66E-03	3.61E-04	3.28E-04	4.53E-05	1.76E-03	2.10E-04	1.82E-04	1.54E-05
2164	438138.29	3725429.13	1.67E-03	3.64E-04	3.31E-04	4.57E-05	1.78E-03	2.12E-04	1.83E-04	1.55E-05
2165	438133.8	3725443	1.68E-03	3.66E-04	3.33E-04	4.59E-05	1.79E-03	2.13E-04	1.84E-04	1.56E-05
2166	438129.3	3725456.86	1.69E-03	3.67E-04	3.34E-04	4.61E-05	1.80E-03	2.14E-04	1.85E-04	1.56E-05
2167	438124.81	3725470.73	1.70E-03	3.69E-04	3.35E-04	4.63E-05	1.80E-03	2.15E-04	1.86E-04	1.57E-05
2168	438120.31	3725484.59	1.71E-03	3.71E-04	3.37E-04	4.65E-05	1.81E-03	2.16E-04	1.87E-04	1.58E-05
2169	438115.82	3725498.46	1.72E-03	3.73E-04	3.39E-04	4.68E-05	1.82E-03	2.17E-04	1.88E-04	1.59E-05
2170	438111.32	3725512.33	1.72E-03	3.74E-04	3.40E-04	4.70E-05	1.83E-03	2.18E-04	1.88E-04	1.59E-05
2171	438106.83	3725526.19	1.72E-03	3.75E-04	3.41E-04	4.71E-05	1.83E-03	2.18E-04	1.89E-04	1.60E-05
2172	438102.33	3725540.06	1.72E-03	3.74E-04	3.40E-04	4.70E-05	1.83E-03	2.18E-04	1.89E-04	1.59E-05
2173	438097.84	3725553.92	1.72E-03	3.74E-04	3.40E-04	4.70E-05	1.83E-03	2.18E-04	1.88E-04	1.59E-05
2174	438093.34	3725567.79	1.72E-03	3.73E-04	3.39E-04	4.69E-05	1.83E-03	2.18E-04	1.88E-04	1.59E-05
2175	438088.85	3725581.65	1.72E-03	3.74E-04	3.40E-04	4.69E-05	1.83E-03	2.18E-04	1.88E-04	1.59E-05
2176	438075.36	3725623.25	1.72E-03	3.73E-04	3.39E-04	4.68E-05	1.82E-03	2.17E-04	1.88E-04	1.59E-05
2177	438070.87	3725637.12	1.71E-03	3.71E-04	3.37E-04	4.66E-05	1.81E-03	2.16E-04	1.87E-04	1.58E-05
2178	438066.37	3725650.98	1.70E-03	3.68E-04	3.35E-04	4.63E-05	1.80E-03	2.15E-04	1.86E-04	1.57E-05
2179	438057.38	3725678.71	1.67E-03	3.62E-04	3.29E-04	4.55E-05	1.77E-03	2.11E-04	1.82E-04	1.54E-05
2180	438137.6	3725287.01	1.79E-03	3.89E-04	3.54E-04	4.88E-05	1.90E-03	2.27E-04	1.96E-04	1.66E-05
2181	438144.22	3725300.04	1.73E-03	3.77E-04	3.42E-04	4.73E-05	1.84E-03	2.20E-04	1.90E-04	1.60E-05
2182	438150.84	3725313.08	1.67E-03	3.64E-04	3.31E-04	4.57E-05	1.78E-03	2.12E-04	1.83E-04	1.55E-05
2183	438157.46	3725326.12	1.62E-03	3.51E-04	3.19E-04	4.41E-05	1.72E-03	2.05E-04	1.77E-04	1.49E-05
2184	438164.08	3725339.15	1.56E-03	3.40E-04	3.09E-04	4.27E-05	1.66E-03	1.98E-04	1.71E-04	1.45E-05
2185	438170.7	3725352.19	1.51E-03	3.28E-04	2.98E-04	4.12E-05	1.61E-03	1.91E-04	1.65E-04	1.40E-05
2186	438177.32	3725365.22	1.46E-03	3.17E-04	2.88E-04	3.98E-05	1.55E-03	1.85E-04	1.60E-04	1.35E-05
2187	438181.68	3725385.21	1.42E-03	3.08E-04	2.80E-04	3.87E-05	1.51E-03	1.80E-04	1.55E-04	1.31E-05
2188	438177.17	3725399.12	1.44E-03	3.12E-04	2.83E-04	3.92E-05	1.52E-03	1.82E-04	1.57E-04	1.33E-05
2189	438172.66	3725413.03	1.45E-03	3.15E-04	2.86E-04	3.96E-05	1.54E-03	1.84E-04	1.59E-04	1.34E-05
2190	438168.15	3725426.94	1.47E-03	3.18E-04	2.90E-04	4.00E-05	1.56E-03	1.86E-04	1.60E-04	1.36E-05
2191	438163.65	3725440.84	1.48E-03	3.21E-04	2.92E-04	4.04E-05	1.57E-03	1.87E-04	1.62E-04	1.37E-05
2192	438159.14	3725454.75	1.49E-03	3.23E-04	2.94E-04	4.06E-05	1.58E-03	1.88E-04	1.63E-04	1.38E-05
2193	438154.63	3725468.66	1.49E-03	3.25E-04	2.95E-04	4.08E-05	1.59E-03	1.89E-04	1.63E-04	1.38E-05
2194	438150.12	3725482.57	1.50E-03	3.26E-04	2.97E-04	4.10E-05	1.59E-03	1.90E-04	1.64E-04	1.39E-05
2195	438145.61	3725496.48	1.51E-03	3.28E-04	2.98E-04	4.12E-05	1.60E-03	1.91E-04	1.65E-04	1.40E-05
2196	438141.1	3725510.38	1.52E-03	3.30E-04	3.00E-04	4.14E-05	1.61E-03	1.92E-04	1.66E-04	1.40E-05
2197	438136.59	3725524.29	1.53E-03	3.32E-04	3.02E-04	4.17E-05	1.62E-03	1.94E-04	1.67E-04	1.41E-05
2198	438132.08	3725538.2	1.54E-03	3.34E-04	3.04E-04	4.20E-05	1.63E-03	1.95E-04	1.68E-04	1.42E-05
2199	438127.57	3725552.11	1.54E-03	3.34E-04	3.04E-04	4.19E-05	1.63E-03	1.95E-04	1.68E-04	1.42E-05
2200	438123.07	3725566.01	1.53E-03	3.33E-04	3.03E-04	4.19E-05	1.63E-03	1.94E-04	1.68E-04	1.42E-05

2201	438118.56	3725579.92	1.54E-03	3.34E-04	3.04E-04	4.20E-05	1.63E-03	1.95E-04	1.68E-04	1.42E-05
2202	438114.05	3725593.83	1.54E-03	3.35E-04	3.04E-04	4.20E-05	1.64E-03	1.95E-04	1.68E-04	1.42E-05
2203	438109.54	3725607.74	1.54E-03	3.34E-04	3.04E-04	4.20E-05	1.63E-03	1.95E-04	1.68E-04	1.42E-05
2204	438100.52	3725635.55	1.53E-03	3.33E-04	3.02E-04	4.18E-05	1.63E-03	1.94E-04	1.67E-04	1.42E-05
2205	438096.01	3725649.46	1.53E-03	3.31E-04	3.01E-04	4.16E-05	1.62E-03	1.93E-04	1.67E-04	1.41E-05
2206	438091.5	3725663.37	1.52E-03	3.30E-04	3.00E-04	4.14E-05	1.61E-03	1.92E-04	1.66E-04	1.40E-05
2207	438087	3725677.28	1.51E-03	3.28E-04	2.98E-04	4.12E-05	1.60E-03	1.91E-04	1.65E-04	1.40E-05
2208	438082.49	3725691.18	1.50E-03	3.25E-04	2.96E-04	4.08E-05	1.59E-03	1.89E-04	1.64E-04	1.38E-05
2209	438170.7	3725290.96	1.53E-03	3.31E-04	3.01E-04	4.16E-05	1.62E-03	1.93E-04	1.67E-04	1.41E-05
2210	438177.34	3725304.03	1.48E-03	3.22E-04	2.92E-04	4.04E-05	1.57E-03	1.87E-04	1.62E-04	1.37E-05
2211	438183.97	3725317.1	1.43E-03	3.12E-04	2.83E-04	3.91E-05	1.52E-03	1.82E-04	1.57E-04	1.33E-05
2212	438190.61	3725330.17	1.39E-03	3.02E-04	2.74E-04	3.79E-05	1.47E-03	1.76E-04	1.52E-04	1.28E-05
2213	438197.25	3725343.24	1.34E-03	2.92E-04	2.65E-04	3.66E-05	1.43E-03	1.70E-04	1.47E-04	1.24E-05
2214	438203.89	3725356.31	1.30E-03	2.82E-04	2.56E-04	3.54E-05	1.38E-03	1.64E-04	1.42E-04	1.20E-05
2215	438210.52	3725369.38	1.26E-03	2.73E-04	2.48E-04	3.43E-05	1.33E-03	1.59E-04	1.37E-04	1.16E-05
2216	438211.58	3725382.89	1.24E-03	2.70E-04	2.46E-04	3.39E-05	1.32E-03	1.57E-04	1.36E-04	1.15E-05
2217	438207.06	3725396.83	1.26E-03	2.74E-04	2.49E-04	3.44E-05	1.34E-03	1.60E-04	1.38E-04	1.17E-05
2218	438202.54	3725410.78	1.28E-03	2.77E-04	2.52E-04	3.48E-05	1.36E-03	1.62E-04	1.40E-04	1.18E-05
2219	438198.02	3725424.72	1.29E-03	2.81E-04	2.55E-04	3.52E-05	1.37E-03	1.63E-04	1.41E-04	1.19E-05
2220	438193.5	3725438.67	1.31E-03	2.84E-04	2.58E-04	3.57E-05	1.39E-03	1.66E-04	1.43E-04	1.21E-05
2221	438188.98	3725452.61	1.32E-03	2.87E-04	2.61E-04	3.60E-05	1.40E-03	1.67E-04	1.44E-04	1.22E-05
2222	438184.46	3725466.56	1.32E-03	2.88E-04	2.62E-04	3.61E-05	1.41E-03	1.68E-04	1.45E-04	1.22E-05
2223	438179.94	3725480.5	1.33E-03	2.89E-04	2.63E-04	3.63E-05	1.41E-03	1.68E-04	1.46E-04	1.23E-05
2224	438175.42	3725494.45	1.34E-03	2.91E-04	2.64E-04	3.65E-05	1.42E-03	1.70E-04	1.46E-04	1.24E-05
2225	438170.9	3725508.39	1.35E-03	2.93E-04	2.66E-04	3.67E-05	1.43E-03	1.70E-04	1.47E-04	1.25E-05
2226	438166.37	3725522.34	1.35E-03	2.94E-04	2.67E-04	3.69E-05	1.44E-03	1.71E-04	1.48E-04	1.25E-05
2227	438161.85	3725536.28	1.36E-03	2.95E-04	2.68E-04	3.71E-05	1.44E-03	1.72E-04	1.49E-04	1.26E-05
2228	438157.33	3725550.23	1.37E-03	2.97E-04	2.70E-04	3.73E-05	1.45E-03	1.73E-04	1.50E-04	1.27E-05
2229	438152.81	3725564.17	1.37E-03	2.98E-04	2.71E-04	3.75E-05	1.46E-03	1.74E-04	1.50E-04	1.27E-05
2230	438148.29	3725578.12	1.38E-03	3.00E-04	2.72E-04	3.76E-05	1.47E-03	1.75E-04	1.51E-04	1.28E-05
2231	438143.77	3725592.06	1.38E-03	3.01E-04	2.73E-04	3.78E-05	1.47E-03	1.75E-04	1.51E-04	1.28E-05
2232	438139.25	3725606.01	1.38E-03	3.01E-04	2.73E-04	3.78E-05	1.47E-03	1.75E-04	1.51E-04	1.28E-05
2233	438134.73	3725619.95	1.38E-03	3.00E-04	2.73E-04	3.77E-05	1.47E-03	1.75E-04	1.51E-04	1.28E-05
2234	438121.17	3725661.79	1.37E-03	2.98E-04	2.71E-04	3.74E-05	1.46E-03	1.73E-04	1.50E-04	1.27E-05
2235	438223.79	3725334.27	1.20E-03	2.62E-04	2.38E-04	3.29E-05	1.28E-03	1.53E-04	1.32E-04	1.11E-05
2236	438230.45	3725347.37	1.17E-03	2.54E-04	2.30E-04	3.18E-05	1.24E-03	1.48E-04	1.28E-04	1.08E-05
2237	438237.1	3725360.47	1.13E-03	2.46E-04	2.23E-04	3.09E-05	1.20E-03	1.43E-04	1.24E-04	1.05E-05
2238	438241.49	3725380.56	1.10E-03	2.39E-04	2.18E-04	3.01E-05	1.17E-03	1.39E-04	1.21E-04	1.02E-05
2239	438236.95	3725394.54	1.12E-03	2.42E-04	2.20E-04	3.04E-05	1.18E-03	1.41E-04	1.22E-04	1.03E-05
2240	438232.42	3725408.52	1.13E-03	2.46E-04	2.23E-04	3.08E-05	1.20E-03	1.43E-04	1.24E-04	1.05E-05
2241	438227.89	3725422.49	1.14E-03	2.48E-04	2.26E-04	3.12E-05	1.21E-03	1.45E-04	1.25E-04	1.06E-05
2242	438223.36	3725436.47	1.15E-03	2.51E-04	2.28E-04	3.15E-05	1.22E-03	1.46E-04	1.26E-04	1.07E-05
2243	438218.83	3725450.45	1.16E-03	2.53E-04	2.30E-04	3.17E-05	1.24E-03	1.47E-04	1.27E-04	1.08E-05
2244	438214.3	3725464.43	1.17E-03	2.55E-04	2.32E-04	3.20E-05	1.25E-03	1.49E-04	1.28E-04	1.08E-05
2245	438209.77	3725478.41	1.18E-03	2.57E-04	2.33E-04	3.22E-05	1.26E-03	1.50E-04	1.29E-04	1.09E-05
2246	438205.23	3725492.38	1.19E-03	2.59E-04	2.35E-04	3.25E-05	1.27E-03	1.51E-04	1.30E-04	1.10E-05
2247	438200.7	3725506.36	1.20E-03	2.61E-04	2.37E-04	3.28E-05	1.28E-03	1.52E-04	1.31E-04	1.11E-05
2248	438196.17	3725520.34	1.21E-03	2.62E-04	2.39E-04	3.30E-05	1.28E-03	1.53E-04	1.32E-04	1.12E-05
2249	438191.64	3725534.32	1.21E-03	2.64E-04	2.40E-04	3.31E-05	1.29E-03	1.54E-04	1.33E-04	1.12E-05
2250	438187.11	3725548.29	1.22E-03	2.66E-04	2.41E-04	3.33E-05	1.30E-03	1.55E-04	1.34E-04	1.13E-05
2251	438182.58	3725562.27	1.23E-03	2.67E-04	2.43E-04	3.36E-05	1.31E-03	1.56E-04	1.35E-04	1.14E-05
2252	438178.04	3725576.25	1.24E-03	2.68E-04	2.44E-04	3.37E-05	1.31E-03	1.56E-04	1.35E-04	1.14E-05
2253	438173.51	3725590.23	1.24E-03	2.69E-04	2.45E-04	3.38E-05	1.32E-03	1.57E-04	1.36E-04	1.15E-05
2254	438168.98	3725604.21	1.24E-03	2.70E-04	2.46E-04	3.39E-05	1.32E-03	1.57E-04	1.36E-04	1.15E-05
2255	438164.45	3725618.18	1.24E-03	2.70E-04	2.46E-04	3.39E-05	1.32E-03	1.58E-04	1.36E-04	1.15E-05
2256	438159.92	3725632.16	1.24E-03	2.70E-04	2.46E-04	3.39E-05	1.32E-03	1.57E-04	1.36E-04	1.15E-05
2257	438155.39	3725646.14	1.24E-03	2.70E-04	2.46E-04	3.39E-05	1.32E-03	1.57E-04	1.36E-04	1.15E-05
2258	438132.73	3725716.03	1.23E-03	2.67E-04	2.42E-04	3.35E-05	1.30E-03	1.55E-04	1.34E-04	1.13E-05

2259	438128.2	3725730.01	1.22E-03	2.64E-04	2.40E-04	3.32E-05	1.29E-03	1.54E-04	1.33E-04	1.12E-05
2260	438271.39	3725378.23	9.84E-04	2.14E-04	1.94E-04	2.69E-05	1.05E-03	1.25E-04	1.08E-04	9.10E-06
2261	438266.85	3725392.24	9.95E-04	2.16E-04	1.97E-04	2.72E-05	1.06E-03	1.26E-04	1.09E-04	9.21E-06
2262	438262.31	3725406.25	1.01E-03	2.19E-04	1.99E-04	2.75E-05	1.07E-03	1.28E-04	1.10E-04	9.32E-06
2263	438257.77	3725420.25	1.02E-03	2.22E-04	2.01E-04	2.78E-05	1.08E-03	1.29E-04	1.12E-04	9.43E-06
2264	438253.23	3725434.26	1.03E-03	2.23E-04	2.03E-04	2.81E-05	1.09E-03	1.30E-04	1.13E-04	9.51E-06
2265	438248.68	3725448.27	1.04E-03	2.25E-04	2.05E-04	2.83E-05	1.10E-03	1.31E-04	1.13E-04	9.59E-06
2266	438244.14	3725462.28	1.05E-03	2.27E-04	2.06E-04	2.85E-05	1.11E-03	1.32E-04	1.14E-04	9.67E-06
2267	438239.6	3725476.28	1.05E-03	2.29E-04	2.08E-04	2.87E-05	1.12E-03	1.33E-04	1.15E-04	9.74E-06
2268	438235.06	3725490.29	1.06E-03	2.31E-04	2.10E-04	2.90E-05	1.13E-03	1.35E-04	1.16E-04	9.84E-06
2269	438230.52	3725504.3	1.07E-03	2.34E-04	2.12E-04	2.93E-05	1.14E-03	1.36E-04	1.18E-04	9.94E-06
2270	438225.98	3725518.3	1.08E-03	2.35E-04	2.14E-04	2.95E-05	1.15E-03	1.37E-04	1.18E-04	1.00E-05
2271	438221.44	3725532.31	1.09E-03	2.37E-04	2.15E-04	2.97E-05	1.16E-03	1.38E-04	1.19E-04	1.01E-05
2272	438216.9	3725546.32	1.10E-03	2.38E-04	2.16E-04	2.99E-05	1.16E-03	1.39E-04	1.20E-04	1.01E-05
2273	438212.36	3725560.33	1.10E-03	2.39E-04	2.17E-04	3.00E-05	1.17E-03	1.39E-04	1.20E-04	1.02E-05
2274	438207.82	3725574.33	1.11E-03	2.41E-04	2.19E-04	3.02E-05	1.18E-03	1.40E-04	1.21E-04	1.02E-05
2275	438203.27	3725588.34	1.11E-03	2.42E-04	2.20E-04	3.04E-05	1.18E-03	1.41E-04	1.22E-04	1.03E-05
2276	438198.73	3725602.35	1.12E-03	2.43E-04	2.21E-04	3.05E-05	1.19E-03	1.42E-04	1.22E-04	1.03E-05
2277	438194.19	3725616.35	1.12E-03	2.44E-04	2.22E-04	3.06E-05	1.19E-03	1.42E-04	1.23E-04	1.04E-05
2278	438189.65	3725630.36	1.13E-03	2.44E-04	2.22E-04	3.07E-05	1.19E-03	1.42E-04	1.23E-04	1.04E-05
2279	438185.11	3725644.37	1.13E-03	2.45E-04	2.23E-04	3.07E-05	1.20E-03	1.43E-04	1.23E-04	1.04E-05
2280	438180.57	3725658.38	1.13E-03	2.45E-04	2.23E-04	3.08E-05	1.20E-03	1.43E-04	1.23E-04	1.04E-05
2281	438166.95	3725700.4	1.12E-03	2.44E-04	2.22E-04	3.06E-05	1.19E-03	1.42E-04	1.23E-04	1.04E-05
2282	438162.4	3725714.4	1.12E-03	2.43E-04	2.21E-04	3.05E-05	1.19E-03	1.42E-04	1.22E-04	1.03E-05
2283	438157.86	3725728.41	1.11E-03	2.42E-04	2.20E-04	3.04E-05	1.18E-03	1.41E-04	1.22E-04	1.03E-05
2284	438153.32	3725742.42	1.11E-03	2.40E-04	2.18E-04	3.02E-05	1.17E-03	1.40E-04	1.21E-04	1.02E-05
2285	438148.78	3725756.43	1.10E-03	2.38E-04	2.17E-04	2.99E-05	1.17E-03	1.39E-04	1.20E-04	1.02E-05
2286	438292.19	3725403.97	9.05E-04	1.97E-04	1.79E-04	2.47E-05	9.61E-04	1.15E-04	9.90E-05	8.37E-06
2287	438287.64	3725418	9.15E-04	1.99E-04	1.81E-04	2.50E-05	9.72E-04	1.16E-04	1.00E-04	8.46E-06
2288	438283.1	3725432.04	9.23E-04	2.01E-04	1.82E-04	2.52E-05	9.80E-04	1.17E-04	1.01E-04	8.54E-06
2289	438278.55	3725446.07	9.30E-04	2.02E-04	1.84E-04	2.54E-05	9.88E-04	1.18E-04	1.02E-04	8.60E-06
2290	438274	3725460.1	9.40E-04	2.04E-04	1.86E-04	2.56E-05	9.98E-04	1.19E-04	1.03E-04	8.69E-06
2291	438269.45	3725474.14	9.48E-04	2.06E-04	1.87E-04	2.59E-05	1.01E-03	1.20E-04	1.04E-04	8.77E-06
2292	438264.9	3725488.17	9.56E-04	2.08E-04	1.89E-04	2.61E-05	1.02E-03	1.21E-04	1.05E-04	8.84E-06
2293	438260.35	3725502.2	9.64E-04	2.09E-04	1.90E-04	2.63E-05	1.02E-03	1.22E-04	1.05E-04	8.91E-06
2294	438255.8	3725516.24	9.71E-04	2.11E-04	1.92E-04	2.65E-05	1.03E-03	1.23E-04	1.06E-04	8.98E-06
2295	438251.25	3725530.27	9.77E-04	2.12E-04	1.93E-04	2.67E-05	1.04E-03	1.24E-04	1.07E-04	9.04E-06
2296	438246.7	3725544.3	9.84E-04	2.14E-04	1.94E-04	2.69E-05	1.05E-03	1.25E-04	1.08E-04	9.10E-06
2297	438242.15	3725558.34	9.92E-04	2.15E-04	1.96E-04	2.71E-05	1.05E-03	1.26E-04	1.09E-04	9.17E-06
2298	438237.6	3725572.37	9.99E-04	2.17E-04	1.97E-04	2.72E-05	1.06E-03	1.26E-04	1.09E-04	9.24E-06
2299	438233.05	3725586.41	1.01E-03	2.18E-04	1.98E-04	2.74E-05	1.07E-03	1.27E-04	1.10E-04	9.30E-06
2300	438228.5	3725600.44	1.01E-03	2.20E-04	2.00E-04	2.76E-05	1.07E-03	1.28E-04	1.11E-04	9.35E-06
2301	438223.95	3725614.47	1.02E-03	2.21E-04	2.01E-04	2.77E-05	1.08E-03	1.29E-04	1.11E-04	9.39E-06
2302	438219.4	3725628.51	1.02E-03	2.22E-04	2.02E-04	2.78E-05	1.08E-03	1.29E-04	1.12E-04	9.44E-06
2303	438214.85	3725642.54	1.02E-03	2.22E-04	2.02E-04	2.79E-05	1.09E-03	1.30E-04	1.12E-04	9.47E-06
2304	438210.3	3725656.57	1.03E-03	2.23E-04	2.03E-04	2.80E-05	1.09E-03	1.30E-04	1.12E-04	9.49E-06
2305	438205.75	3725670.61	1.03E-03	2.23E-04	2.03E-04	2.80E-05	1.09E-03	1.30E-04	1.12E-04	9.50E-06
2306	438201.2	3725684.64	1.03E-03	2.23E-04	2.03E-04	2.80E-05	1.09E-03	1.30E-04	1.12E-04	9.49E-06
2307	438192.1	3725712.71	1.03E-03	2.23E-04	2.03E-04	2.80E-05	1.09E-03	1.30E-04	1.12E-04	9.49E-06
2308	438187.55	3725726.74	1.02E-03	2.22E-04	2.02E-04	2.79E-05	1.09E-03	1.29E-04	1.12E-04	9.46E-06
2309	438183	3725740.77	1.02E-03	2.21E-04	2.01E-04	2.78E-05	1.08E-03	1.29E-04	1.11E-04	9.41E-06
2310	438178.46	3725754.81	1.01E-03	2.20E-04	2.00E-04	2.76E-05	1.07E-03	1.28E-04	1.11E-04	9.36E-06
2311	438173.91	3725768.84	1.00E-03	2.18E-04	1.98E-04	2.74E-05	1.07E-03	1.27E-04	1.10E-04	9.29E-06
2312	438313.29	3725428.8	8.32E-04	1.81E-04	1.64E-04	2.27E-05	8.84E-04	1.05E-04	9.11E-05	7.70E-06
2313	438308.81	3725442.63	8.39E-04	1.82E-04	1.66E-04	2.29E-05	8.91E-04	1.06E-04	9.17E-05	7.76E-06
2314	438304.32	3725456.46	8.47E-04	1.84E-04	1.67E-04	2.31E-05	8.99E-04	1.07E-04	9.26E-05	7.83E-06
2315	438299.84	3725470.3	8.55E-04	1.86E-04	1.69E-04	2.33E-05	9.08E-04	1.08E-04	9.36E-05	7.91E-06
2316	438295.35	3725484.13	8.62E-04	1.87E-04	1.70E-04	2.35E-05	9.16E-04	1.09E-04	9.43E-05	7.97E-06

2317	438290.87	3725497.97	8.68E-04	1.89E-04	1.71E-04	2.37E-05	9.22E-04	1.10E-04	9.50E-05	8.03E-06
2318	438286.38	3725511.8	8.75E-04	1.90E-04	1.73E-04	2.39E-05	9.29E-04	1.11E-04	9.57E-05	8.09E-06
2319	438281.9	3725525.64	8.83E-04	1.92E-04	1.74E-04	2.41E-05	9.38E-04	1.12E-04	9.66E-05	8.17E-06
2320	438277.41	3725539.47	8.90E-04	1.93E-04	1.76E-04	2.43E-05	9.45E-04	1.13E-04	9.73E-05	8.23E-06
2321	438272.93	3725553.3	8.95E-04	1.94E-04	1.77E-04	2.44E-05	9.51E-04	1.13E-04	9.79E-05	8.28E-06
2322	438268.44	3725567.14	9.01E-04	1.96E-04	1.78E-04	2.46E-05	9.57E-04	1.14E-04	9.85E-05	8.33E-06
2323	438263.96	3725580.97	9.08E-04	1.97E-04	1.79E-04	2.48E-05	9.64E-04	1.15E-04	9.93E-05	8.40E-06
2324	438259.47	3725594.81	9.15E-04	1.99E-04	1.81E-04	2.50E-05	9.71E-04	1.16E-04	1.00E-04	8.46E-06
2325	438254.99	3725608.64	9.19E-04	2.00E-04	1.81E-04	2.51E-05	9.76E-04	1.16E-04	1.01E-04	8.50E-06
2326	438250.5	3725622.48	9.22E-04	2.00E-04	1.82E-04	2.52E-05	9.80E-04	1.17E-04	1.01E-04	8.53E-06
2327	438246.02	3725636.31	9.27E-04	2.01E-04	1.83E-04	2.53E-05	9.84E-04	1.17E-04	1.01E-04	8.57E-06
2328	438241.53	3725650.14	9.31E-04	2.02E-04	1.84E-04	2.54E-05	9.89E-04	1.18E-04	1.02E-04	8.61E-06
2329	438237.05	3725663.98	9.34E-04	2.03E-04	1.85E-04	2.55E-05	9.93E-04	1.18E-04	1.02E-04	8.64E-06
2330	438232.57	3725677.81	9.37E-04	2.04E-04	1.85E-04	2.56E-05	9.95E-04	1.19E-04	1.03E-04	8.67E-06
2331	438228.08	3725691.65	9.39E-04	2.04E-04	1.85E-04	2.56E-05	9.97E-04	1.19E-04	1.03E-04	8.68E-06
2332	438223.6	3725705.48	9.39E-04	2.04E-04	1.85E-04	2.56E-05	9.98E-04	1.19E-04	1.03E-04	8.69E-06
2333	438214.63	3725733.15	9.37E-04	2.04E-04	1.85E-04	2.56E-05	9.95E-04	1.19E-04	1.02E-04	8.66E-06
2334	438210.14	3725746.98	9.34E-04	2.03E-04	1.84E-04	2.55E-05	9.92E-04	1.18E-04	1.02E-04	8.64E-06
2335	438205.66	3725760.82	9.30E-04	2.02E-04	1.84E-04	2.54E-05	9.87E-04	1.18E-04	1.02E-04	8.60E-06
2336	438201.17	3725774.65	9.24E-04	2.01E-04	1.83E-04	2.52E-05	9.82E-04	1.17E-04	1.01E-04	8.55E-06
2337	438196.69	3725788.49	9.18E-04	1.99E-04	1.81E-04	2.50E-05	9.75E-04	1.16E-04	1.00E-04	8.49E-06
2338	438344.12	3725453.61	7.47E-04	1.62E-04	1.48E-04	2.04E-05	7.94E-04	9.46E-05	8.17E-05	6.91E-06
2339	438339.62	3725467.48	7.54E-04	1.64E-04	1.49E-04	2.06E-05	8.01E-04	9.55E-05	8.25E-05	6.98E-06
2340	438335.12	3725481.36	7.60E-04	1.65E-04	1.50E-04	2.07E-05	8.08E-04	9.63E-05	8.32E-05	7.03E-06
2341	438330.62	3725495.23	7.65E-04	1.66E-04	1.51E-04	2.09E-05	8.12E-04	9.68E-05	8.36E-05	7.07E-06
2342	438326.12	3725509.11	7.69E-04	1.67E-04	1.52E-04	2.10E-05	8.17E-04	9.74E-05	8.41E-05	7.11E-06
2343	438321.62	3725522.99	7.75E-04	1.68E-04	1.53E-04	2.11E-05	8.23E-04	9.81E-05	8.48E-05	7.17E-06
2344	438317.13	3725536.86	7.81E-04	1.70E-04	1.54E-04	2.13E-05	8.29E-04	9.89E-05	8.54E-05	7.22E-06
2345	438312.63	3725550.74	7.86E-04	1.71E-04	1.55E-04	2.14E-05	8.34E-04	9.95E-05	8.59E-05	7.27E-06
2346	438308.13	3725564.61	7.90E-04	1.72E-04	1.56E-04	2.16E-05	8.39E-04	1.00E-04	8.65E-05	7.31E-06
2347	438303.63	3725578.49	7.97E-04	1.73E-04	1.57E-04	2.17E-05	8.46E-04	1.01E-04	8.71E-05	7.37E-06
2348	438299.13	3725592.36	8.03E-04	1.74E-04	1.59E-04	2.19E-05	8.53E-04	1.02E-04	8.78E-05	7.43E-06
2349	438294.63	3725606.24	8.08E-04	1.75E-04	1.59E-04	2.20E-05	8.58E-04	1.02E-04	8.83E-05	7.47E-06
2350	438290.14	3725620.11	8.11E-04	1.76E-04	1.60E-04	2.21E-05	8.62E-04	1.03E-04	8.88E-05	7.50E-06
2351	438285.64	3725633.99	8.16E-04	1.77E-04	1.61E-04	2.23E-05	8.67E-04	1.03E-04	8.93E-05	7.55E-06
2352	438281.14	3725647.87	8.21E-04	1.78E-04	1.62E-04	2.24E-05	8.72E-04	1.04E-04	8.98E-05	7.59E-06
2353	438276.64	3725661.74	8.25E-04	1.79E-04	1.63E-04	2.25E-05	8.76E-04	1.04E-04	9.03E-05	7.63E-06
2354	438272.14	3725675.62	8.29E-04	1.80E-04	1.64E-04	2.26E-05	8.80E-04	1.05E-04	9.07E-05	7.67E-06
2355	438267.64	3725689.49	8.32E-04	1.81E-04	1.64E-04	2.27E-05	8.84E-04	1.05E-04	9.10E-05	7.69E-06
2356	438263.14	3725703.37	8.34E-04	1.81E-04	1.65E-04	2.28E-05	8.86E-04	1.06E-04	9.13E-05	7.72E-06
2357	438258.65	3725717.24	8.36E-04	1.82E-04	1.65E-04	2.28E-05	8.88E-04	1.06E-04	9.14E-05	7.73E-06
2358	438254.15	3725731.12	8.36E-04	1.82E-04	1.65E-04	2.28E-05	8.88E-04	1.06E-04	9.15E-05	7.74E-06
2359	438240.65	3725772.75	8.33E-04	1.81E-04	1.64E-04	2.27E-05	8.85E-04	1.05E-04	9.11E-05	7.70E-06
2360	438236.15	3725786.62	8.30E-04	1.80E-04	1.64E-04	2.26E-05	8.81E-04	1.05E-04	9.08E-05	7.67E-06
2361	438231.66	3725800.5	8.26E-04	1.79E-04	1.63E-04	2.25E-05	8.77E-04	1.05E-04	9.03E-05	7.64E-06
2362	438227.16	3725814.37	8.20E-04	1.78E-04	1.62E-04	2.24E-05	8.71E-04	1.04E-04	8.97E-05	7.59E-06
2363	438374.9	3725478.55	6.73E-04	1.46E-04	1.33E-04	1.84E-05	7.15E-04	8.52E-05	7.36E-05	6.22E-06
2364	438370.39	3725492.46	6.77E-04	1.47E-04	1.34E-04	1.85E-05	7.19E-04	8.57E-05	7.41E-05	6.26E-06
2365	438365.87	3725506.37	6.81E-04	1.48E-04	1.35E-04	1.86E-05	7.24E-04	8.63E-05	7.45E-05	6.30E-06
2366	438361.36	3725520.28	6.86E-04	1.49E-04	1.35E-04	1.87E-05	7.28E-04	8.68E-05	7.50E-05	6.34E-06
2367	438356.85	3725534.2	6.90E-04	1.50E-04	1.36E-04	1.88E-05	7.33E-04	8.74E-05	7.55E-05	6.38E-06
2368	438352.34	3725548.11	6.94E-04	1.51E-04	1.37E-04	1.89E-05	7.38E-04	8.79E-05	7.60E-05	6.42E-06
2369	438347.83	3725562.02	6.99E-04	1.52E-04	1.38E-04	1.91E-05	7.42E-04	8.85E-05	7.64E-05	6.46E-06
2370	438343.32	3725575.93	7.03E-04	1.53E-04	1.39E-04	1.92E-05	7.46E-04	8.90E-05	7.69E-05	6.50E-06
2371	438338.81	3725589.84	7.07E-04	1.54E-04	1.40E-04	1.93E-05	7.51E-04	8.95E-05	7.73E-05	6.54E-06
2372	438334.3	3725603.76	7.12E-04	1.55E-04	1.41E-04	1.94E-05	7.56E-04	9.02E-05	7.79E-05	6.59E-06
2373	438329.79	3725617.67	7.17E-04	1.56E-04	1.42E-04	1.96E-05	7.62E-04	9.08E-05	7.85E-05	6.64E-06
2374	438325.28	3725631.58	7.22E-04	1.57E-04	1.43E-04	1.97E-05	7.67E-04	9.14E-05	7.90E-05	6.68E-06

2375	438320.77	3725645.49	7.27E-04	1.58E-04	1.44E-04	1.98E-05	7.72E-04	9.20E-05	7.95E-05	6.72E-06
2376	438316.26	3725659.4	7.31E-04	1.59E-04	1.44E-04	2.00E-05	7.77E-04	9.26E-05	8.00E-05	6.76E-06
2377	438311.75	3725673.32	7.36E-04	1.60E-04	1.45E-04	2.01E-05	7.82E-04	9.32E-05	8.05E-05	6.81E-06
2378	438307.24	3725687.23	7.40E-04	1.61E-04	1.46E-04	2.02E-05	7.86E-04	9.37E-05	8.10E-05	6.84E-06
2379	438302.73	3725701.14	7.43E-04	1.62E-04	1.47E-04	2.03E-05	7.90E-04	9.41E-05	8.13E-05	6.88E-06
2380	438298.22	3725715.05	7.46E-04	1.62E-04	1.47E-04	2.04E-05	7.93E-04	9.45E-05	8.16E-05	6.90E-06
2381	438293.71	3725728.97	7.48E-04	1.62E-04	1.48E-04	2.04E-05	7.94E-04	9.47E-05	8.18E-05	6.91E-06
2382	438289.2	3725742.88	7.49E-04	1.63E-04	1.48E-04	2.04E-05	7.95E-04	9.48E-05	8.19E-05	6.93E-06
2383	438284.69	3725756.79	7.50E-04	1.63E-04	1.48E-04	2.05E-05	7.97E-04	9.50E-05	8.20E-05	6.94E-06
2384	438271.16	3725798.53	7.47E-04	1.62E-04	1.47E-04	2.04E-05	7.93E-04	9.45E-05	8.17E-05	6.90E-06
2385	438266.65	3725812.44	7.44E-04	1.62E-04	1.47E-04	2.03E-05	7.90E-04	9.42E-05	8.14E-05	6.88E-06
2386	438262.14	3725826.35	7.40E-04	1.61E-04	1.46E-04	2.02E-05	7.86E-04	9.37E-05	8.10E-05	6.85E-06
2387	438257.63	3725840.26	7.36E-04	1.60E-04	1.45E-04	2.01E-05	7.81E-04	9.32E-05	8.05E-05	6.80E-06
2388	438401.12	3725517.53	6.09E-04	1.32E-04	1.20E-04	1.66E-05	6.47E-04	7.71E-05	6.66E-05	5.63E-06
2389	438396.6	3725531.48	6.12E-04	1.33E-04	1.21E-04	1.67E-05	6.50E-04	7.75E-05	6.69E-05	5.66E-06
2390	438392.08	3725545.42	6.16E-04	1.34E-04	1.22E-04	1.68E-05	6.54E-04	7.80E-05	6.74E-05	5.69E-06
2391	438387.56	3725559.37	6.20E-04	1.35E-04	1.22E-04	1.69E-05	6.59E-04	7.85E-05	6.78E-05	5.73E-06
2392	438383.04	3725573.31	6.24E-04	1.36E-04	1.23E-04	1.70E-05	6.63E-04	7.90E-05	6.83E-05	5.77E-06
2393	438378.52	3725587.26	6.28E-04	1.37E-04	1.24E-04	1.71E-05	6.67E-04	7.96E-05	6.87E-05	5.81E-06
2394	438374	3725601.2	6.33E-04	1.37E-04	1.25E-04	1.73E-05	6.72E-04	8.01E-05	6.92E-05	5.85E-06
2395	438369.47	3725615.15	6.37E-04	1.38E-04	1.26E-04	1.74E-05	6.76E-04	8.06E-05	6.96E-05	5.89E-06
2396	438364.95	3725629.09	6.41E-04	1.39E-04	1.27E-04	1.75E-05	6.81E-04	8.11E-05	7.01E-05	5.93E-06
2397	438360.43	3725643.04	6.46E-04	1.40E-04	1.27E-04	1.76E-05	6.86E-04	8.17E-05	7.06E-05	5.97E-06
2398	438355.91	3725656.98	6.50E-04	1.41E-04	1.28E-04	1.77E-05	6.90E-04	8.23E-05	7.11E-05	6.01E-06
2399	438351.39	3725670.93	6.54E-04	1.42E-04	1.29E-04	1.78E-05	6.94E-04	8.28E-05	7.15E-05	6.04E-06
2400	438346.87	3725684.87	6.58E-04	1.43E-04	1.30E-04	1.79E-05	6.98E-04	8.33E-05	7.19E-05	6.08E-06
2401	438342.35	3725698.82	6.62E-04	1.44E-04	1.31E-04	1.81E-05	7.03E-04	8.38E-05	7.24E-05	6.12E-06
2402	438337.83	3725712.76	6.66E-04	1.45E-04	1.31E-04	1.82E-05	7.07E-04	8.43E-05	7.28E-05	6.16E-06
2403	438333.31	3725726.71	6.69E-04	1.45E-04	1.32E-04	1.82E-05	7.10E-04	8.47E-05	7.31E-05	6.18E-06
2404	438328.79	3725740.65	6.71E-04	1.46E-04	1.33E-04	1.83E-05	7.13E-04	8.50E-05	7.34E-05	6.21E-06
2405	438324.27	3725754.6	6.73E-04	1.46E-04	1.33E-04	1.84E-05	7.15E-04	8.52E-05	7.36E-05	6.22E-06
2406	438319.75	3725768.54	6.74E-04	1.46E-04	1.33E-04	1.84E-05	7.16E-04	8.54E-05	7.38E-05	6.24E-06
2407	438315.22	3725782.49	6.75E-04	1.47E-04	1.33E-04	1.84E-05	7.17E-04	8.55E-05	7.39E-05	6.24E-06
2408	438288.1	3725866.16	6.64E-04	1.44E-04	1.31E-04	1.81E-05	7.06E-04	8.41E-05	7.27E-05	6.14E-06
2409	438431.83	3725542.7	5.49E-04	1.19E-04	1.08E-04	1.50E-05	5.83E-04	6.95E-05	6.01E-05	5.08E-06
2410	438427.3	3725556.67	5.54E-04	1.20E-04	1.09E-04	1.51E-05	5.88E-04	7.01E-05	6.06E-05	5.12E-06
2411	438422.77	3725570.65	5.58E-04	1.21E-04	1.10E-04	1.52E-05	5.92E-04	7.06E-05	6.10E-05	5.16E-06
2412	438418.24	3725584.62	5.61E-04	1.22E-04	1.11E-04	1.53E-05	5.96E-04	7.10E-05	6.14E-05	5.19E-06
2413	438413.71	3725598.59	5.65E-04	1.23E-04	1.12E-04	1.54E-05	6.00E-04	7.15E-05	6.18E-05	5.22E-06
2414	438409.18	3725612.57	5.69E-04	1.24E-04	1.12E-04	1.55E-05	6.04E-04	7.20E-05	6.22E-05	5.26E-06
2415	438404.65	3725626.54	5.73E-04	1.25E-04	1.13E-04	1.56E-05	6.09E-04	7.26E-05	6.27E-05	5.30E-06
2416	438400.12	3725640.52	5.77E-04	1.25E-04	1.14E-04	1.57E-05	6.13E-04	7.30E-05	6.31E-05	5.34E-06
2417	438395.58	3725654.49	5.80E-04	1.26E-04	1.15E-04	1.58E-05	6.16E-04	7.35E-05	6.35E-05	5.37E-06
2418	438391.05	3725668.47	5.85E-04	1.27E-04	1.15E-04	1.60E-05	6.21E-04	7.40E-05	6.39E-05	5.41E-06
2419	438386.52	3725682.44	5.88E-04	1.28E-04	1.16E-04	1.61E-05	6.25E-04	7.45E-05	6.44E-05	5.44E-06
2420	438381.99	3725696.41	5.92E-04	1.29E-04	1.17E-04	1.62E-05	6.29E-04	7.50E-05	6.48E-05	5.48E-06
2421	438377.46	3725710.39	5.96E-04	1.29E-04	1.18E-04	1.63E-05	6.33E-04	7.54E-05	6.52E-05	5.51E-06
2422	438372.93	3725724.36	5.99E-04	1.30E-04	1.18E-04	1.63E-05	6.36E-04	7.59E-05	6.55E-05	5.54E-06
2423	438368.4	3725738.34	6.02E-04	1.31E-04	1.19E-04	1.64E-05	6.40E-04	7.62E-05	6.59E-05	5.57E-06
2424	438363.87	3725752.31	6.05E-04	1.32E-04	1.20E-04	1.65E-05	6.43E-04	7.66E-05	6.62E-05	5.60E-06
2425	438359.34	3725766.29	6.08E-04	1.32E-04	1.20E-04	1.66E-05	6.46E-04	7.70E-05	6.65E-05	5.62E-06
2426	438354.81	3725780.26	6.10E-04	1.33E-04	1.20E-04	1.66E-05	6.48E-04	7.72E-05	6.67E-05	5.64E-06
2427	438350.28	3725794.24	6.12E-04	1.33E-04	1.21E-04	1.67E-05	6.50E-04	7.75E-05	6.69E-05	5.66E-06
2428	438345.75	3725808.21	6.13E-04	1.33E-04	1.21E-04	1.67E-05	6.51E-04	7.76E-05	6.71E-05	5.67E-06
2429	438332.16	3725850.13	6.11E-04	1.33E-04	1.21E-04	1.67E-05	6.49E-04	7.74E-05	6.68E-05	5.65E-06
2430	438327.63	3725864.11	6.09E-04	1.32E-04	1.20E-04	1.66E-05	6.46E-04	7.71E-05	6.66E-05	5.63E-06
2431	438323.1	3725878.08	6.05E-04	1.31E-04	1.20E-04	1.65E-05	6.43E-04	7.66E-05	6.62E-05	5.60E-06
2432	438318.57	3725892.06	6.01E-04	1.31E-04	1.19E-04	1.64E-05	6.39E-04	7.61E-05	6.58E-05	5.56E-06

2433	438457.97	3725581.93	5.06E-04	1.10E-04	9.99E-05	1.38E-05	5.37E-04	6.40E-05	5.53E-05	4.68E-06
2434	438453.43	3725595.94	5.09E-04	1.11E-04	1.00E-04	1.39E-05	5.40E-04	6.44E-05	5.56E-05	4.70E-06
2435	438448.89	3725609.94	5.12E-04	1.11E-04	1.01E-04	1.40E-05	5.43E-04	6.48E-05	5.60E-05	4.73E-06
2436	438444.36	3725623.94	5.15E-04	1.12E-04	1.02E-04	1.40E-05	5.47E-04	6.52E-05	5.63E-05	4.76E-06
2437	438439.82	3725637.94	5.19E-04	1.13E-04	1.02E-04	1.41E-05	5.51E-04	6.57E-05	5.67E-05	4.80E-06
2438	438435.28	3725651.94	5.23E-04	1.14E-04	1.03E-04	1.43E-05	5.55E-04	6.62E-05	5.72E-05	4.83E-06
2439	438430.74	3725665.94	5.26E-04	1.14E-04	1.04E-04	1.43E-05	5.59E-04	6.66E-05	5.75E-05	4.86E-06
2440	438426.2	3725679.94	5.29E-04	1.15E-04	1.04E-04	1.44E-05	5.62E-04	6.70E-05	5.79E-05	4.89E-06
2441	438421.66	3725693.94	5.33E-04	1.16E-04	1.05E-04	1.45E-05	5.66E-04	6.74E-05	5.83E-05	4.93E-06
2442	438417.12	3725707.94	5.37E-04	1.17E-04	1.06E-04	1.46E-05	5.70E-04	6.79E-05	5.87E-05	4.96E-06
2443	438412.58	3725721.94	5.40E-04	1.17E-04	1.07E-04	1.47E-05	5.74E-04	6.84E-05	5.91E-05	5.00E-06
2444	438408.04	3725735.94	5.44E-04	1.18E-04	1.07E-04	1.48E-05	5.78E-04	6.89E-05	5.95E-05	5.03E-06
2445	438403.5	3725749.95	5.47E-04	1.19E-04	1.08E-04	1.49E-05	5.81E-04	6.93E-05	5.99E-05	5.06E-06
2446	438398.97	3725763.95	5.50E-04	1.20E-04	1.09E-04	1.50E-05	5.84E-04	6.97E-05	6.02E-05	5.09E-06
2447	438394.43	3725777.95	5.53E-04	1.20E-04	1.09E-04	1.51E-05	5.87E-04	7.00E-05	6.04E-05	5.11E-06
2448	438389.89	3725791.95	5.55E-04	1.21E-04	1.10E-04	1.51E-05	5.89E-04	7.02E-05	6.07E-05	5.13E-06
2449	438385.35	3725805.95	5.56E-04	1.21E-04	1.10E-04	1.52E-05	5.91E-04	7.05E-05	6.09E-05	5.15E-06
2450	438380.81	3725819.95	5.57E-04	1.21E-04	1.10E-04	1.52E-05	5.92E-04	7.06E-05	6.10E-05	5.16E-06
2451	438376.27	3725833.95	5.58E-04	1.21E-04	1.10E-04	1.52E-05	5.93E-04	7.07E-05	6.11E-05	5.16E-06
2452	438362.65	3725875.95	5.54E-04	1.20E-04	1.09E-04	1.51E-05	5.88E-04	7.01E-05	6.06E-05	5.12E-06
2453	438358.11	3725889.95	5.51E-04	1.20E-04	1.09E-04	1.50E-05	5.86E-04	6.98E-05	6.03E-05	5.10E-06
2454	438353.58	3725903.96	5.49E-04	1.19E-04	1.08E-04	1.50E-05	5.83E-04	6.95E-05	6.01E-05	5.08E-06
2455	438488.63	3725607.26	4.64E-04	1.01E-04	9.15E-05	1.26E-05	4.92E-04	5.87E-05	5.07E-05	4.29E-06
2456	438484.08	3725621.28	4.66E-04	1.01E-04	9.21E-05	1.27E-05	4.95E-04	5.90E-05	5.10E-05	4.31E-06
2457	438479.53	3725635.31	4.70E-04	1.02E-04	9.27E-05	1.28E-05	4.99E-04	5.95E-05	5.14E-05	4.34E-06
2458	438474.99	3725649.33	4.73E-04	1.03E-04	9.35E-05	1.29E-05	5.03E-04	5.99E-05	5.18E-05	4.38E-06
2459	438470.44	3725663.36	4.76E-04	1.04E-04	9.41E-05	1.30E-05	5.06E-04	6.03E-05	5.21E-05	4.41E-06
2460	438465.89	3725677.38	4.79E-04	1.04E-04	9.46E-05	1.31E-05	5.09E-04	6.07E-05	5.24E-05	4.43E-06
2461	438461.35	3725691.41	4.82E-04	1.05E-04	9.52E-05	1.32E-05	5.12E-04	6.10E-05	5.27E-05	4.46E-06
2462	438456.8	3725705.43	4.86E-04	1.06E-04	9.59E-05	1.33E-05	5.16E-04	6.15E-05	5.31E-05	4.49E-06
2463	438452.25	3725719.46	4.89E-04	1.06E-04	9.66E-05	1.33E-05	5.19E-04	6.19E-05	5.35E-05	4.52E-06
2464	438447.71	3725733.48	4.92E-04	1.07E-04	9.72E-05	1.34E-05	5.23E-04	6.23E-05	5.38E-05	4.55E-06
2465	438443.16	3725747.51	4.95E-04	1.08E-04	9.78E-05	1.35E-05	5.26E-04	6.27E-05	5.42E-05	4.58E-06
2466	438438.61	3725761.53	4.98E-04	1.08E-04	9.84E-05	1.36E-05	5.29E-04	6.31E-05	5.45E-05	4.61E-06
2467	438434.07	3725775.56	5.01E-04	1.09E-04	9.89E-05	1.37E-05	5.32E-04	6.34E-05	5.48E-05	4.63E-06
2468	438429.52	3725789.58	5.03E-04	1.09E-04	9.94E-05	1.37E-05	5.35E-04	6.37E-05	5.51E-05	4.66E-06
2469	438424.97	3725803.61	5.06E-04	1.10E-04	9.99E-05	1.38E-05	5.37E-04	6.41E-05	5.53E-05	4.68E-06
2470	438420.42	3725817.63	5.07E-04	1.10E-04	1.00E-04	1.38E-05	5.39E-04	6.43E-05	5.55E-05	4.69E-06
2471	438311.74	3724752.18	2.91E-04	6.32E-05	5.75E-05	7.94E-06	3.09E-04	3.69E-05	3.18E-05	2.69E-06
2472	438318.43	3724765.35	3.01E-04	6.53E-05	5.94E-05	8.20E-06	3.19E-04	3.81E-05	3.29E-05	2.78E-06
2473	438325.11	3724778.52	3.10E-04	6.73E-05	6.12E-05	8.45E-06	3.29E-04	3.92E-05	3.39E-05	2.87E-06
2474	438331.8	3724791.68	3.19E-04	6.92E-05	6.29E-05	8.69E-06	3.38E-04	4.03E-05	3.49E-05	2.95E-06
2475	438519.26	3725632.64	4.27E-04	9.28E-05	8.44E-05	1.17E-05	4.54E-04	5.41E-05	4.67E-05	3.95E-06
2476	438514.71	3725646.68	4.31E-04	9.35E-05	8.50E-05	1.17E-05	4.57E-04	5.45E-05	4.71E-05	3.98E-06
2477	438510.16	3725660.73	4.34E-04	9.42E-05	8.56E-05	1.18E-05	4.61E-04	5.49E-05	4.74E-05	4.01E-06
2478	438505.6	3725674.78	4.36E-04	9.48E-05	8.61E-05	1.19E-05	4.63E-04	5.52E-05	4.77E-05	4.03E-06
2479	438501.05	3725688.82	4.39E-04	9.53E-05	8.67E-05	1.20E-05	4.66E-04	5.56E-05	4.80E-05	4.06E-06
2480	438496.5	3725702.87	4.42E-04	9.60E-05	8.73E-05	1.21E-05	4.70E-04	5.60E-05	4.84E-05	4.09E-06
2481	438491.94	3725716.92	4.45E-04	9.67E-05	8.79E-05	1.21E-05	4.73E-04	5.64E-05	4.87E-05	4.12E-06
2482	438487.39	3725730.96	4.48E-04	9.73E-05	8.84E-05	1.22E-05	4.76E-04	5.67E-05	4.90E-05	4.14E-06
2483	438482.83	3725745.01	4.50E-04	9.78E-05	8.89E-05	1.23E-05	4.78E-04	5.70E-05	4.93E-05	4.17E-06
2484	438478.28	3725759.06	4.53E-04	9.85E-05	8.95E-05	1.24E-05	4.81E-04	5.74E-05	4.96E-05	4.19E-06
2485	438302.79	3724740.79	2.83E-04	6.14E-05	5.58E-05	7.71E-06	3.00E-04	3.58E-05	3.09E-05	2.62E-06
2486	438337.76	3724721.77	2.65E-04	5.76E-05	5.23E-05	7.23E-06	2.81E-04	3.36E-05	2.90E-05	2.45E-06
2487	438344.39	3724734.82	2.73E-04	5.94E-05	5.40E-05	7.46E-06	2.90E-04	3.46E-05	2.99E-05	2.53E-06
2488	438351.01	3724747.87	2.81E-04	6.11E-05	5.56E-05	7.68E-06	2.99E-04	3.56E-05	3.08E-05	2.60E-06
2489	438357.64	3724760.91	2.89E-04	6.29E-05	5.72E-05	7.90E-06	3.07E-04	3.66E-05	3.17E-05	2.68E-06
2490	438364.27	3724773.96	2.97E-04	6.45E-05	5.86E-05	8.10E-06	3.15E-04	3.76E-05	3.25E-05	2.75E-06

2491	438370.89	3724787.01	3.04E-04	6.60E-05	6.00E-05	8.29E-06	3.23E-04	3.85E-05	3.33E-05	2.81E-06
2492	438377.52	3724800.06	3.12E-04	6.77E-05	6.15E-05	8.50E-06	3.31E-04	3.94E-05	3.41E-05	2.88E-06
2493	438384.14	3724813.11	3.18E-04	6.90E-05	6.27E-05	8.67E-06	3.37E-04	4.02E-05	3.48E-05	2.94E-06
2494	438390.77	3724826.15	3.24E-04	7.05E-05	6.41E-05	8.85E-06	3.44E-04	4.11E-05	3.55E-05	3.00E-06
2495	438417.27	3724878.34	3.60E-04	7.82E-05	7.10E-05	9.81E-06	3.82E-04	4.55E-05	3.94E-05	3.33E-06
2496	438423.9	3724891.39	3.69E-04	8.01E-05	7.28E-05	1.01E-05	3.92E-04	4.67E-05	4.03E-05	3.41E-06
2497	438430.53	3724904.44	3.78E-04	8.21E-05	7.46E-05	1.03E-05	4.01E-04	4.78E-05	4.13E-05	3.49E-06
2498	438437.15	3724917.49	3.86E-04	8.39E-05	7.63E-05	1.05E-05	4.10E-04	4.89E-05	4.23E-05	3.57E-06
2499	438443.78	3724930.54	3.95E-04	8.58E-05	7.80E-05	1.08E-05	4.19E-04	5.00E-05	4.32E-05	3.65E-06
2500	438450.4	3724943.58	4.02E-04	8.73E-05	7.94E-05	1.10E-05	4.27E-04	5.09E-05	4.40E-05	3.72E-06
2501	438546.44	3725668.68	3.98E-04	8.65E-05	7.86E-05	1.09E-05	4.23E-04	5.04E-05	4.36E-05	3.68E-06
2502	438541.93	3725682.6	4.01E-04	8.70E-05	7.91E-05	1.09E-05	4.25E-04	5.07E-05	4.38E-05	3.70E-06
2503	438537.42	3725696.52	4.03E-04	8.76E-05	7.97E-05	1.10E-05	4.28E-04	5.11E-05	4.41E-05	3.73E-06
2504	438370.45	3724704.5	2.50E-04	5.43E-05	4.93E-05	6.81E-06	2.65E-04	3.16E-05	2.73E-05	2.31E-06
2505	438377.09	3724717.57	2.57E-04	5.59E-05	5.08E-05	7.01E-06	2.73E-04	3.26E-05	2.81E-05	2.38E-06
2506	438383.73	3724730.64	2.64E-04	5.74E-05	5.22E-05	7.21E-06	2.81E-04	3.35E-05	2.89E-05	2.44E-06
2507	438390.37	3724743.71	2.71E-04	5.90E-05	5.36E-05	7.41E-06	2.88E-04	3.44E-05	2.97E-05	2.51E-06
2508	438397	3724756.78	2.78E-04	6.05E-05	5.50E-05	7.60E-06	2.96E-04	3.53E-05	3.05E-05	2.58E-06
2509	438403.64	3724769.85	2.85E-04	6.20E-05	5.63E-05	7.78E-06	3.03E-04	3.61E-05	3.12E-05	2.64E-06
2510	438410.28	3724782.92	2.92E-04	6.35E-05	5.77E-05	7.97E-06	3.10E-04	3.70E-05	3.19E-05	2.70E-06
2511	438416.92	3724795.99	2.97E-04	6.46E-05	5.87E-05	8.11E-06	3.16E-04	3.76E-05	3.25E-05	2.75E-06
2512	438423.55	3724809.06	3.02E-04	6.56E-05	5.96E-05	8.24E-06	3.21E-04	3.82E-05	3.30E-05	2.79E-06
2513	438430.19	3724822.13	3.08E-04	6.69E-05	6.08E-05	8.40E-06	3.27E-04	3.90E-05	3.37E-05	2.85E-06
2514	438436.83	3724835.2	3.15E-04	6.85E-05	6.22E-05	8.60E-06	3.35E-04	3.99E-05	3.45E-05	2.91E-06
2515	438443.47	3724848.27	3.22E-04	7.00E-05	6.37E-05	8.80E-06	3.42E-04	4.08E-05	3.53E-05	2.98E-06
2516	438450.11	3724861.34	3.31E-04	7.19E-05	6.54E-05	9.03E-06	3.51E-04	4.19E-05	3.62E-05	3.06E-06
2517	438456.74	3724874.41	3.39E-04	7.37E-05	6.70E-05	9.26E-06	3.60E-04	4.30E-05	3.71E-05	3.14E-06
2518	438463.38	3724887.49	3.48E-04	7.55E-05	6.86E-05	9.48E-06	3.69E-04	4.40E-05	3.80E-05	3.21E-06
2519	438470.02	3724900.56	3.56E-04	7.74E-05	7.03E-05	9.71E-06	3.78E-04	4.51E-05	3.90E-05	3.29E-06
2520	438396.52	3724674.17	2.30E-04	4.99E-05	4.54E-05	6.27E-06	2.44E-04	2.91E-05	2.51E-05	2.12E-06
2521	438403.17	3724687.26	2.36E-04	5.13E-05	4.66E-05	6.44E-06	2.51E-04	2.99E-05	2.58E-05	2.18E-06
2522	438409.82	3724700.36	2.42E-04	5.26E-05	4.78E-05	6.61E-06	2.57E-04	3.07E-05	2.65E-05	2.24E-06
2523	438416.46	3724713.45	2.49E-04	5.40E-05	4.91E-05	6.78E-06	2.64E-04	3.15E-05	2.72E-05	2.30E-06
2524	438423.11	3724726.54	2.55E-04	5.54E-05	5.03E-05	6.95E-06	2.71E-04	3.23E-05	2.79E-05	2.36E-06
2525	438429.76	3724739.63	2.61E-04	5.67E-05	5.16E-05	7.12E-06	2.77E-04	3.31E-05	2.86E-05	2.41E-06
2526	438436.41	3724752.72	2.67E-04	5.80E-05	5.28E-05	7.29E-06	2.84E-04	3.38E-05	2.92E-05	2.47E-06
2527	438443.06	3724765.81	2.73E-04	5.93E-05	5.39E-05	7.45E-06	2.90E-04	3.46E-05	2.99E-05	2.53E-06
2528	438449.71	3724778.91	2.79E-04	6.06E-05	5.51E-05	7.60E-06	2.96E-04	3.53E-05	3.05E-05	2.58E-06
2529	438456.35	3724792	2.84E-04	6.17E-05	5.61E-05	7.75E-06	3.02E-04	3.60E-05	3.11E-05	2.63E-06
2530	438463	3724805.09	2.89E-04	6.28E-05	5.71E-05	7.89E-06	3.07E-04	3.66E-05	3.16E-05	2.67E-06
2531	438469.65	3724818.18	2.95E-04	6.40E-05	5.82E-05	8.04E-06	3.13E-04	3.73E-05	3.22E-05	2.72E-06
2532	438476.3	3724831.27	3.01E-04	6.54E-05	5.95E-05	8.21E-06	3.20E-04	3.81E-05	3.29E-05	2.78E-06
2533	438482.95	3724844.36	3.08E-04	6.69E-05	6.08E-05	8.40E-06	3.27E-04	3.90E-05	3.37E-05	2.85E-06
2534	438489.59	3724857.45	3.15E-04	6.85E-05	6.23E-05	8.60E-06	3.35E-04	3.99E-05	3.45E-05	2.92E-06
2535	438496.24	3724870.55	3.22E-04	7.00E-05	6.37E-05	8.80E-06	3.42E-04	4.08E-05	3.53E-05	2.98E-06
2536	437835.23	3725488.94	9.37E-03	2.04E-03	1.85E-03	2.56E-04	9.96E-03	1.19E-03	1.03E-03	8.67E-05
2537	437840.76	3725481.72	9.39E-03	2.04E-03	1.85E-03	2.56E-04	9.97E-03	1.19E-03	1.03E-03	8.68E-05
2538	437882.86	3725525.43	5.70E-03	1.24E-03	1.13E-03	1.55E-04	6.05E-03	7.22E-04	6.23E-04	5.27E-05
2539	437898.73	3725537.59	4.92E-03	1.07E-03	9.72E-04	1.34E-04	5.23E-03	6.23E-04	5.38E-04	4.55E-05
2540	438198.68	3725721.59	9.96E-04	2.16E-04	1.97E-04	2.72E-05	1.06E-03	1.26E-04	1.09E-04	9.21E-06
2541	438222.49	3725739.84	9.09E-04	1.97E-04	1.79E-04	2.48E-05	9.65E-04	1.15E-04	9.94E-05	8.40E-06
2542	438280.47	3725795.71	7.31E-04	1.59E-04	1.44E-04	1.99E-05	7.76E-04	9.25E-05	7.99E-05	6.76E-06
2543	437841.17	3725401.38	1.36E-02	2.96E-03	2.69E-03	3.72E-04	1.45E-02	1.72E-03	1.49E-03	1.26E-04
2544	437860.69	3725405.49	1.08E-02	2.35E-03	2.14E-03	2.95E-04	1.15E-02	1.37E-03	1.18E-03	1.00E-04
2545	437899.8	3725413.59	7.22E-03	1.57E-03	1.43E-03	1.97E-04	7.67E-03	9.14E-04	7.90E-04	6.68E-05
2546	437916.01	3725425.02	6.11E-03	1.33E-03	1.21E-03	1.67E-04	6.49E-03	7.73E-04	6.68E-04	5.65E-05
2547	437922.73	3725410.18	5.96E-03	1.29E-03	1.18E-03	1.63E-04	6.33E-03	7.55E-04	6.52E-04	5.51E-05
2548	437926.03	3725393.66	6.01E-03	1.31E-03	1.19E-03	1.64E-04	6.39E-03	7.61E-04	6.58E-04	5.56E-05

2549	437938.95	3725421.59	5.18E-03	1.12E-03	1.02E-03	1.41E-04	5.50E-03	6.55E-04	5.66E-04	4.79E-05
2550	437932.15	3725436.59	5.28E-03	1.15E-03	1.04E-03	1.44E-04	5.61E-03	6.69E-04	5.78E-04	4.89E-05
2551	437955.11	3725433.13	4.54E-03	9.87E-04	8.97E-04	1.24E-04	4.83E-03	5.75E-04	4.97E-04	4.20E-05
2552	437948.26	3725448.25	4.61E-03	1.00E-03	9.11E-04	1.26E-04	4.90E-03	5.84E-04	5.05E-04	4.27E-05
2553	437964.32	3725459.99	4.04E-03	8.79E-04	7.99E-04	1.10E-04	4.30E-03	5.12E-04	4.42E-04	3.74E-05
2554	437980.36	3725471.79	3.56E-03	7.72E-04	7.02E-04	9.70E-05	3.78E-03	4.50E-04	3.89E-04	3.29E-05
2555	437991.37	3725494.71	3.17E-03	6.89E-04	6.26E-04	8.65E-05	3.37E-03	4.02E-04	3.47E-04	2.93E-05
2556	438037.11	3725440.96	2.72E-03	5.91E-04	5.38E-04	7.43E-05	2.89E-03	3.45E-04	2.98E-04	2.52E-05
2557	438030.52	3725455.51	2.76E-03	5.99E-04	5.45E-04	7.52E-05	2.93E-03	3.49E-04	3.02E-04	2.55E-05
2558	438023.92	3725470.07	2.78E-03	6.05E-04	5.50E-04	7.60E-05	2.96E-03	3.53E-04	3.05E-04	2.57E-05
2559	438017.33	3725484.62	2.80E-03	6.09E-04	5.54E-04	7.65E-05	2.98E-03	3.55E-04	3.07E-04	2.59E-05
2560	438010.73	3725499.17	2.82E-03	6.12E-04	5.57E-04	7.69E-05	2.99E-03	3.57E-04	3.08E-04	2.61E-05
2561	438004.14	3725513.72	2.84E-03	6.17E-04	5.60E-04	7.74E-05	3.01E-03	3.59E-04	3.10E-04	2.62E-05
2562	438042.06	3725425.43	2.71E-03	5.89E-04	5.35E-04	7.39E-05	2.88E-03	3.43E-04	2.96E-04	2.51E-05
2563	438062.98	3725454.68	2.32E-03	5.04E-04	4.58E-04	6.33E-05	2.46E-03	2.94E-04	2.54E-04	2.15E-05
2564	438056.13	3725469.8	2.35E-03	5.11E-04	4.64E-04	6.41E-05	2.50E-03	2.98E-04	2.57E-04	2.17E-05
2565	438049.27	3725484.92	2.38E-03	5.16E-04	4.69E-04	6.48E-05	2.52E-03	3.01E-04	2.60E-04	2.20E-05
2566	438042.42	3725500.03	2.39E-03	5.19E-04	4.72E-04	6.52E-05	2.54E-03	3.03E-04	2.61E-04	2.21E-05
2567	438035.57	3725515.15	2.41E-03	5.23E-04	4.75E-04	6.57E-05	2.56E-03	3.05E-04	2.63E-04	2.23E-05
2568	438028.72	3725530.27	2.42E-03	5.27E-04	4.79E-04	6.61E-05	2.57E-03	3.07E-04	2.65E-04	2.24E-05
2569	438018.45	3725552.95	2.45E-03	5.32E-04	4.83E-04	6.68E-05	2.60E-03	3.10E-04	2.68E-04	2.26E-05
2570	438073.13	3725423.04	2.31E-03	5.02E-04	4.56E-04	6.30E-05	2.45E-03	2.92E-04	2.53E-04	2.14E-05
2571	438085.79	3725475.13	2.02E-03	4.38E-04	3.99E-04	5.51E-05	2.14E-03	2.56E-04	2.21E-04	1.87E-05
2572	438079.07	3725489.97	2.04E-03	4.43E-04	4.03E-04	5.57E-05	2.17E-03	2.58E-04	2.23E-04	1.89E-05
2573	438072.34	3725504.81	2.06E-03	4.47E-04	4.06E-04	5.61E-05	2.19E-03	2.61E-04	2.25E-04	1.90E-05
2574	438065.61	3725519.65	2.07E-03	4.50E-04	4.09E-04	5.65E-05	2.20E-03	2.62E-04	2.27E-04	1.92E-05
2575	438058.89	3725534.5	2.09E-03	4.53E-04	4.12E-04	5.69E-05	2.21E-03	2.64E-04	2.28E-04	1.93E-05
2576	438052.16	3725549.34	2.10E-03	4.57E-04	4.15E-04	5.73E-05	2.23E-03	2.66E-04	2.30E-04	1.94E-05
2577	438038.71	3725579.03	2.13E-03	4.63E-04	4.21E-04	5.82E-05	2.27E-03	2.70E-04	2.33E-04	1.97E-05
2578	438111.31	3725489.6	1.77E-03	3.84E-04	3.49E-04	4.82E-05	1.88E-03	2.24E-04	1.93E-04	1.63E-05
2579	438104.38	3725504.92	1.79E-03	3.89E-04	3.54E-04	4.89E-05	1.90E-03	2.27E-04	1.96E-04	1.66E-05
2580	438097.44	3725520.23	1.81E-03	3.93E-04	3.57E-04	4.93E-05	1.92E-03	2.29E-04	1.98E-04	1.67E-05
2581	438090.5	3725535.54	1.82E-03	3.95E-04	3.59E-04	4.96E-05	1.93E-03	2.30E-04	1.99E-04	1.68E-05
2582	438083.56	3725550.86	1.83E-03	3.97E-04	3.61E-04	4.99E-05	1.94E-03	2.32E-04	2.00E-04	1.69E-05
2583	438076.62	3725566.17	1.84E-03	3.99E-04	3.63E-04	5.01E-05	1.95E-03	2.33E-04	2.01E-04	1.70E-05
2584	438127.38	3725524.95	1.59E-03	3.45E-04	3.14E-04	4.34E-05	1.69E-03	2.01E-04	1.74E-04	1.47E-05
2585	438120.55	3725540.01	1.61E-03	3.49E-04	3.17E-04	4.38E-05	1.70E-03	2.03E-04	1.76E-04	1.48E-05
2586	438113.73	3725555.07	1.61E-03	3.51E-04	3.19E-04	4.41E-05	1.72E-03	2.04E-04	1.77E-04	1.49E-05
2587	438106.91	3725570.13	1.63E-03	3.53E-04	3.21E-04	4.44E-05	1.73E-03	2.06E-04	1.78E-04	1.50E-05
2588	438100.08	3725585.19	1.64E-03	3.56E-04	3.24E-04	4.47E-05	1.74E-03	2.07E-04	1.79E-04	1.52E-05
2589	438147.14	3725552.13	1.42E-03	3.09E-04	2.81E-04	3.88E-05	1.51E-03	1.80E-04	1.56E-04	1.31E-05
2590	438140.42	3725566.97	1.43E-03	3.12E-04	2.83E-04	3.91E-05	1.52E-03	1.82E-04	1.57E-04	1.33E-05
2591	438133.69	3725581.81	1.45E-03	3.16E-04	2.87E-04	3.96E-05	1.54E-03	1.84E-04	1.59E-04	1.34E-05
2592	438126.97	3725596.66	1.47E-03	3.19E-04	2.90E-04	4.00E-05	1.56E-03	1.86E-04	1.61E-04	1.36E-05
2593	438120.24	3725611.5	1.47E-03	3.20E-04	2.91E-04	4.02E-05	1.56E-03	1.86E-04	1.61E-04	1.36E-05
2594	438178.98	3725552.68	1.26E-03	2.73E-04	2.48E-04	3.43E-05	1.33E-03	1.59E-04	1.37E-04	1.16E-05
2595	438172.08	3725567.9	1.27E-03	2.77E-04	2.51E-04	3.47E-05	1.35E-03	1.61E-04	1.39E-04	1.18E-05
2596	438165.18	3725583.12	1.29E-03	2.80E-04	2.55E-04	3.52E-05	1.37E-03	1.63E-04	1.41E-04	1.19E-05
2597	438158.28	3725598.35	1.30E-03	2.83E-04	2.57E-04	3.56E-05	1.38E-03	1.65E-04	1.43E-04	1.21E-05
2598	438151.38	3725613.57	1.31E-03	2.85E-04	2.59E-04	3.58E-05	1.39E-03	1.66E-04	1.43E-04	1.21E-05
2599	438144.48	3725628.79	1.32E-03	2.86E-04	2.60E-04	3.60E-05	1.40E-03	1.67E-04	1.44E-04	1.22E-05
2600	438198.7	3725579.96	1.14E-03	2.48E-04	2.25E-04	3.11E-05	1.21E-03	1.44E-04	1.25E-04	1.05E-05
2601	438191.89	3725594.98	1.15E-03	2.50E-04	2.27E-04	3.14E-05	1.22E-03	1.46E-04	1.26E-04	1.07E-05
2602	438185.08	3725610	1.17E-03	2.53E-04	2.30E-04	3.18E-05	1.24E-03	1.48E-04	1.27E-04	1.08E-05
2603	438178.28	3725625.02	1.18E-03	2.55E-04	2.32E-04	3.21E-05	1.25E-03	1.49E-04	1.29E-04	1.09E-05
2604	438171.47	3725640.04	1.19E-03	2.57E-04	2.34E-04	3.23E-05	1.26E-03	1.50E-04	1.30E-04	1.10E-05
2605	438164.66	3725655.06	1.19E-03	2.59E-04	2.35E-04	3.25E-05	1.27E-03	1.51E-04	1.30E-04	1.10E-05
2606	438225.31	3725592.02	1.03E-03	2.23E-04	2.03E-04	2.80E-05	1.09E-03	1.30E-04	1.12E-04	9.51E-06

2607	438218.59	3725606.87	1.04E-03	2.26E-04	2.05E-04	2.84E-05	1.11E-03	1.32E-04	1.14E-04	9.62E-06
2608	438211.86	3725621.71	1.05E-03	2.29E-04	2.08E-04	2.87E-05	1.12E-03	1.33E-04	1.15E-04	9.73E-06
2609	438205.13	3725636.55	1.06E-03	2.31E-04	2.10E-04	2.90E-05	1.13E-03	1.34E-04	1.16E-04	9.82E-06
2610	438198.41	3725651.39	1.07E-03	2.33E-04	2.12E-04	2.92E-05	1.14E-03	1.36E-04	1.17E-04	9.91E-06
2611	438191.68	3725666.24	1.08E-03	2.34E-04	2.13E-04	2.94E-05	1.15E-03	1.37E-04	1.18E-04	9.97E-06
2612	438275.76	3725480.7	9.25E-04	2.01E-04	1.83E-04	2.52E-05	9.82E-04	1.17E-04	1.01E-04	8.55E-06
2613	438301.74	3725494.16	8.38E-04	1.82E-04	1.66E-04	2.29E-05	8.91E-04	1.06E-04	9.17E-05	7.76E-06
2614	438236.47	3725638.2	9.55E-04	2.08E-04	1.89E-04	2.61E-05	1.01E-03	1.21E-04	1.05E-04	8.84E-06
2615	438229.6	3725653.36	9.66E-04	2.10E-04	1.91E-04	2.64E-05	1.03E-03	1.22E-04	1.06E-04	8.93E-06
2616	438222.73	3725668.52	9.75E-04	2.12E-04	1.93E-04	2.66E-05	1.04E-03	1.23E-04	1.07E-04	9.02E-06
2617	438215.86	3725683.69	9.83E-04	2.13E-04	1.94E-04	2.68E-05	1.04E-03	1.24E-04	1.07E-04	9.09E-06
2618	438306.83	3725478.32	8.32E-04	1.81E-04	1.64E-04	2.27E-05	8.84E-04	1.05E-04	9.10E-05	7.70E-06
2619	438293.83	3725582.41	8.21E-04	1.78E-04	1.62E-04	2.24E-05	8.72E-04	1.04E-04	8.98E-05	7.59E-06
2620	438287.04	3725597.4	8.33E-04	1.81E-04	1.64E-04	2.27E-05	8.85E-04	1.05E-04	9.11E-05	7.70E-06
2621	438280.24	3725612.4	8.42E-04	1.83E-04	1.66E-04	2.30E-05	8.95E-04	1.07E-04	9.22E-05	7.79E-06
2622	438273.45	3725627.39	8.52E-04	1.85E-04	1.68E-04	2.32E-05	9.05E-04	1.08E-04	9.32E-05	7.88E-06
2623	438266.65	3725642.38	8.63E-04	1.87E-04	1.70E-04	2.35E-05	9.16E-04	1.09E-04	9.44E-05	7.98E-06
2624	438259.86	3725657.38	8.73E-04	1.90E-04	1.72E-04	2.38E-05	9.27E-04	1.10E-04	9.55E-05	8.07E-06
2625	438253.07	3725672.37	8.82E-04	1.92E-04	1.74E-04	2.41E-05	9.37E-04	1.12E-04	9.65E-05	8.16E-06
2626	438246.27	3725687.36	8.90E-04	1.93E-04	1.76E-04	2.43E-05	9.45E-04	1.13E-04	9.74E-05	8.23E-06
2627	438239.48	3725702.35	8.97E-04	1.95E-04	1.77E-04	2.45E-05	9.53E-04	1.14E-04	9.81E-05	8.30E-06
2628	438319.16	3725620.92	7.40E-04	1.61E-04	1.46E-04	2.02E-05	7.86E-04	9.37E-05	8.10E-05	6.85E-06
2629	438312.32	3725636	7.50E-04	1.63E-04	1.48E-04	2.05E-05	7.96E-04	9.49E-05	8.20E-05	6.93E-06
2630	438305.49	3725651.07	7.60E-04	1.65E-04	1.50E-04	2.07E-05	8.07E-04	9.62E-05	8.31E-05	7.03E-06
2631	438298.66	3725666.15	7.69E-04	1.67E-04	1.52E-04	2.10E-05	8.17E-04	9.74E-05	8.41E-05	7.11E-06
2632	438291.83	3725681.23	7.78E-04	1.69E-04	1.54E-04	2.12E-05	8.26E-04	9.85E-05	8.51E-05	7.19E-06
2633	438284.99	3725696.31	7.86E-04	1.71E-04	1.55E-04	2.14E-05	8.35E-04	9.95E-05	8.60E-05	7.27E-06
2634	438278.16	3725711.39	7.93E-04	1.72E-04	1.57E-04	2.16E-05	8.42E-04	1.00E-04	8.67E-05	7.33E-06
2635	438271.33	3725726.47	7.99E-04	1.74E-04	1.58E-04	2.18E-05	8.49E-04	1.01E-04	8.74E-05	7.39E-06
2636	438264.49	3725741.55	8.04E-04	1.75E-04	1.59E-04	2.19E-05	8.54E-04	1.02E-04	8.80E-05	7.44E-06
2637	438351.24	3725644.52	6.63E-04	1.44E-04	1.31E-04	1.81E-05	7.04E-04	8.39E-05	7.25E-05	6.13E-06
2638	438344.37	3725659.67	6.71E-04	1.46E-04	1.32E-04	1.83E-05	7.13E-04	8.49E-05	7.34E-05	6.20E-06
2639	438337.5	3725674.83	6.80E-04	1.48E-04	1.34E-04	1.85E-05	7.22E-04	8.60E-05	7.43E-05	6.29E-06
2640	438330.63	3725689.98	6.88E-04	1.50E-04	1.36E-04	1.88E-05	7.31E-04	8.72E-05	7.53E-05	6.37E-06
2641	438323.77	3725705.14	6.97E-04	1.51E-04	1.38E-04	1.90E-05	7.40E-04	8.82E-05	7.62E-05	6.44E-06
2642	438316.9	3725720.29	7.04E-04	1.53E-04	1.39E-04	1.92E-05	7.48E-04	8.92E-05	7.70E-05	6.51E-06
2643	438310.03	3725735.45	7.10E-04	1.54E-04	1.40E-04	1.94E-05	7.54E-04	8.99E-05	7.76E-05	6.56E-06
2644	438303.16	3725750.6	7.15E-04	1.55E-04	1.41E-04	1.95E-05	7.59E-04	9.05E-05	7.82E-05	6.61E-06
2645	438296.3	3725765.76	7.20E-04	1.56E-04	1.42E-04	1.97E-05	7.65E-04	9.12E-05	7.88E-05	6.66E-06
2646	438386.73	3725660.58	5.94E-04	1.29E-04	1.17E-04	1.62E-05	6.31E-04	7.52E-05	6.49E-05	5.49E-06
2647	438379.84	3725675.81	6.01E-04	1.31E-04	1.19E-04	1.64E-05	6.39E-04	7.61E-05	6.58E-05	5.56E-06
2648	438372.94	3725691.03	6.08E-04	1.32E-04	1.20E-04	1.66E-05	6.46E-04	7.70E-05	6.65E-05	5.62E-06
2649	438366.04	3725706.25	6.16E-04	1.34E-04	1.22E-04	1.68E-05	6.54E-04	7.80E-05	6.74E-05	5.69E-06
2650	438359.14	3725721.48	6.23E-04	1.35E-04	1.23E-04	1.70E-05	6.62E-04	7.89E-05	6.82E-05	5.76E-06
2651	438352.24	3725736.7	6.30E-04	1.37E-04	1.24E-04	1.72E-05	6.70E-04	7.98E-05	6.90E-05	5.83E-06
2652	438345.34	3725751.93	6.37E-04	1.38E-04	1.26E-04	1.74E-05	6.77E-04	8.06E-05	6.97E-05	5.89E-06
2653	438338.44	3725767.15	6.43E-04	1.40E-04	1.27E-04	1.75E-05	6.83E-04	8.14E-05	7.03E-05	5.95E-06
2654	438331.54	3725782.37	6.48E-04	1.41E-04	1.28E-04	1.77E-05	6.88E-04	8.20E-05	7.08E-05	5.99E-06
2655	438467.25	3725577.29	4.94E-04	1.07E-04	9.76E-05	1.35E-05	5.25E-04	6.26E-05	5.41E-05	4.57E-06
2656	438411.84	3725699.58	5.46E-04	1.19E-04	1.08E-04	1.49E-05	5.80E-04	6.91E-05	5.97E-05	5.05E-06
2657	438404.91	3725714.86	5.53E-04	1.20E-04	1.09E-04	1.51E-05	5.87E-04	7.00E-05	6.05E-05	5.11E-06
2658	438397.99	3725730.15	5.60E-04	1.22E-04	1.11E-04	1.53E-05	5.95E-04	7.09E-05	6.12E-05	5.18E-06
2659	438391.06	3725745.43	5.66E-04	1.23E-04	1.12E-04	1.54E-05	6.01E-04	7.17E-05	6.19E-05	5.23E-06
2660	438384.13	3725760.72	5.72E-04	1.24E-04	1.13E-04	1.56E-05	6.07E-04	7.24E-05	6.25E-05	5.29E-06
2661	438377.21	3725776.01	5.77E-04	1.25E-04	1.14E-04	1.57E-05	6.13E-04	7.31E-05	6.31E-05	5.34E-06
2662	438370.28	3725791.29	5.82E-04	1.26E-04	1.15E-04	1.59E-05	6.18E-04	7.37E-05	6.37E-05	5.38E-06
2663	438363.35	3725806.58	5.87E-04	1.27E-04	1.16E-04	1.60E-05	6.23E-04	7.43E-05	6.42E-05	5.43E-06
2664	438492.48	3725616.01	4.58E-04	9.94E-05	9.04E-05	1.25E-05	4.86E-04	5.80E-05	5.01E-05	4.23E-06

2665	438443.82	3725723.4	4.99E-04	1.08E-04	9.85E-05	1.36E-05	5.30E-04	6.31E-05	5.45E-05	4.61E-06
2666	438436.87	3725738.74	5.04E-04	1.10E-04	9.96E-05	1.38E-05	5.36E-04	6.39E-05	5.52E-05	4.67E-06
2667	438429.92	3725754.08	5.10E-04	1.11E-04	1.01E-04	1.39E-05	5.42E-04	6.46E-05	5.58E-05	4.72E-06
2668	438422.96	3725769.43	5.16E-04	1.12E-04	1.02E-04	1.41E-05	5.48E-04	6.54E-05	5.65E-05	4.77E-06
2669	438416.01	3725784.77	5.22E-04	1.13E-04	1.03E-04	1.42E-05	5.54E-04	6.61E-05	5.71E-05	4.83E-06
2670	438409.06	3725800.11	5.27E-04	1.14E-04	1.04E-04	1.44E-05	5.60E-04	6.67E-05	5.76E-05	4.87E-06
2671	438402.11	3725815.45	5.31E-04	1.15E-04	1.05E-04	1.45E-05	5.64E-04	6.73E-05	5.81E-05	4.91E-06
2672	438395.15	3725830.79	5.35E-04	1.16E-04	1.06E-04	1.46E-05	5.68E-04	6.77E-05	5.85E-05	4.94E-06
2673	438474.41	3725750.28	4.59E-04	9.97E-05	9.06E-05	1.25E-05	4.87E-04	5.81E-05	5.02E-05	4.24E-06
2674	438467.59	3725765.34	4.64E-04	1.01E-04	9.16E-05	1.27E-05	4.93E-04	5.87E-05	5.07E-05	4.29E-06
2675	438460.77	3725780.4	4.68E-04	1.02E-04	9.25E-05	1.28E-05	4.97E-04	5.93E-05	5.12E-05	4.33E-06
2676	437812.9	3725342.69	2.41E-02	5.25E-03	4.77E-03	6.59E-04	2.56E-02	3.06E-03	2.64E-03	2.23E-04
2677	437869.33	3725369.35	1.07E-02	2.33E-03	2.12E-03	2.93E-04	1.14E-02	1.36E-03	1.17E-03	9.93E-05
2678	437910.19	3725367.35	7.25E-03	1.58E-03	1.43E-03	1.98E-04	7.71E-03	9.19E-04	7.94E-04	6.71E-05
2679	437951.05	3725365.36	5.27E-03	1.15E-03	1.04E-03	1.44E-04	5.60E-03	6.68E-04	5.77E-04	4.88E-05
2680	437966.62	3725394.01	4.53E-03	9.85E-04	8.95E-04	1.24E-04	4.81E-03	5.74E-04	4.96E-04	4.19E-05
2681	437970.79	3725368.59	4.57E-03	9.94E-04	9.04E-04	1.25E-04	4.86E-03	5.79E-04	5.00E-04	4.23E-05
2682	438044.64	3725412.07	2.72E-03	5.92E-04	5.38E-04	7.43E-05	2.89E-03	3.45E-04	2.98E-04	2.52E-05
2683	438046.95	3725398.49	2.75E-03	5.97E-04	5.42E-04	7.49E-05	2.92E-03	3.48E-04	3.00E-04	2.54E-05
2684	438049.73	3725381.54	2.76E-03	6.01E-04	5.46E-04	7.54E-05	2.94E-03	3.50E-04	3.02E-04	2.56E-05
2685	438075.17	3725411.82	2.32E-03	5.04E-04	4.58E-04	6.33E-05	2.47E-03	2.94E-04	2.54E-04	2.15E-05
2686	438077.95	3725394.87	2.33E-03	5.07E-04	4.61E-04	6.37E-05	2.48E-03	2.95E-04	2.55E-04	2.16E-05
2687	438103.66	3725422.8	1.98E-03	4.30E-04	3.91E-04	5.41E-05	2.10E-03	2.51E-04	2.17E-04	1.83E-05
2688	438106.16	3725408.2	1.99E-03	4.33E-04	3.93E-04	5.43E-05	2.12E-03	2.52E-04	2.18E-04	1.84E-05
2689	438108.94	3725391.26	2.00E-03	4.34E-04	3.95E-04	5.45E-05	2.12E-03	2.53E-04	2.19E-04	1.85E-05
2690	438137.16	3725404.59	1.72E-03	3.74E-04	3.40E-04	4.69E-05	1.83E-03	2.18E-04	1.88E-04	1.59E-05
2691	438168.15	3725400.97	1.49E-03	3.24E-04	2.95E-04	4.07E-05	1.59E-03	1.89E-04	1.63E-04	1.38E-05
2692	437833.41	3725344.43	1.78E-02	3.86E-03	3.51E-03	4.85E-04	1.89E-02	2.25E-03	1.94E-03	1.64E-04
2693	437889.05	3725368.72	8.72E-03	1.89E-03	1.72E-03	2.38E-04	9.26E-03	1.10E-03	9.54E-04	8.07E-05
2694	438007.44	3725390.39	3.50E-03	7.61E-04	6.92E-04	9.56E-05	3.72E-03	4.44E-04	3.83E-04	3.24E-05
2695	437916.95	3725342.6	7.17E-03	1.56E-03	1.42E-03	1.96E-04	7.62E-03	9.08E-04	7.85E-04	6.64E-05
2696	437957.74	3725345.41	5.16E-03	1.12E-03	1.02E-03	1.41E-04	5.48E-03	6.54E-04	5.65E-04	4.77E-05
2697	437979.3	3725342.74	4.43E-03	9.62E-04	8.74E-04	1.21E-04	4.70E-03	5.61E-04	4.84E-04	4.09E-05
2698	438013.11	3725370.02	3.46E-03	7.53E-04	6.84E-04	9.45E-05	3.68E-03	4.39E-04	3.79E-04	3.20E-05
2699	438034.67	3725367.35	3.06E-03	6.65E-04	6.05E-04	8.35E-05	3.25E-03	3.88E-04	3.35E-04	2.83E-05
2700	438058.56	3725356.53	2.70E-03	5.86E-04	5.33E-04	7.36E-05	2.87E-03	3.42E-04	2.95E-04	2.49E-05
2701	438113.93	3725381.14	1.96E-03	4.27E-04	3.88E-04	5.36E-05	2.09E-03	2.49E-04	2.15E-04	1.82E-05
2702	438142.78	3725389.37	1.69E-03	3.68E-04	3.34E-04	4.62E-05	1.80E-03	2.14E-04	1.85E-04	1.57E-05
2703	437863.61	3725276.91	1.20E-02	2.60E-03	2.37E-03	3.27E-04	1.27E-02	1.52E-03	1.31E-03	1.11E-04
2704	437899.21	3725260.63	8.15E-03	1.77E-03	1.61E-03	2.22E-04	8.65E-03	1.03E-03	8.91E-04	7.53E-05
2705	437918.14	3725263.26	6.98E-03	1.52E-03	1.38E-03	1.91E-04	7.42E-03	8.84E-04	7.64E-04	6.46E-05
2706	437996.16	3725295.49	4.01E-03	8.71E-04	7.92E-04	1.09E-04	4.26E-03	5.08E-04	4.39E-04	3.71E-05
2707	438016.21	3725308.76	3.53E-03	7.66E-04	6.97E-04	9.63E-05	3.75E-03	4.47E-04	3.86E-04	3.26E-05
2708	438017.18	3725317.96	3.51E-03	7.62E-04	6.92E-04	9.56E-05	3.72E-03	4.44E-04	3.83E-04	3.24E-05
2709	438018.15	3725327.16	3.48E-03	7.56E-04	6.87E-04	9.49E-05	3.69E-03	4.40E-04	3.80E-04	3.22E-05
2710	438019.12	3725336.36	3.44E-03	7.47E-04	6.79E-04	9.38E-05	3.65E-03	4.35E-04	3.76E-04	3.18E-05
2711	438032.65	3725287.72	3.17E-03	6.89E-04	6.27E-04	8.66E-05	3.37E-03	4.02E-04	3.47E-04	2.93E-05
2712	438033.6	3725296.77	3.16E-03	6.87E-04	6.25E-04	8.63E-05	3.36E-03	4.01E-04	3.46E-04	2.93E-05
2713	438034.56	3725305.81	3.15E-03	6.84E-04	6.22E-04	8.59E-05	3.35E-03	3.99E-04	3.45E-04	2.91E-05
2714	438035.51	3725314.86	3.13E-03	6.80E-04	6.19E-04	8.54E-05	3.33E-03	3.97E-04	3.43E-04	2.90E-05
2715	438055.74	3725329.78	2.76E-03	6.00E-04	5.46E-04	7.54E-05	2.93E-03	3.50E-04	3.02E-04	2.55E-05
2716	438056.68	3725338.69	2.74E-03	5.96E-04	5.42E-04	7.48E-05	2.91E-03	3.47E-04	3.00E-04	2.54E-05
2717	438083.58	3725328.43	2.36E-03	5.13E-04	4.67E-04	6.45E-05	2.51E-03	2.99E-04	2.58E-04	2.18E-05
2718	438084.53	3725337.51	2.35E-03	5.10E-04	4.64E-04	6.40E-05	2.49E-03	2.97E-04	2.57E-04	2.17E-05
2719	438085.49	3725346.59	2.33E-03	5.06E-04	4.60E-04	6.35E-05	2.47E-03	2.95E-04	2.55E-04	2.15E-05
2720	438086.45	3725355.67	2.31E-03	5.02E-04	4.56E-04	6.30E-05	2.45E-03	2.92E-04	2.53E-04	2.14E-05
2721	438110.62	3725319.48	2.06E-03	4.47E-04	4.06E-04	5.61E-05	2.18E-03	2.60E-04	2.25E-04	1.90E-05
2722	438111.56	3725328.4	2.04E-03	4.43E-04	4.03E-04	5.57E-05	2.17E-03	2.58E-04	2.23E-04	1.89E-05

2723	438113.44	3725346.23	2.01E-03	4.36E-04	3.97E-04	5.48E-05	2.13E-03	2.54E-04	2.20E-04	1.86E-05
2724	438137.47	3725308.76	1.79E-03	3.90E-04	3.54E-04	4.89E-05	1.91E-03	2.27E-04	1.96E-04	1.66E-05
2725	438138.42	3725317.82	1.78E-03	3.87E-04	3.52E-04	4.86E-05	1.89E-03	2.26E-04	1.95E-04	1.65E-05
2726	438139.38	3725326.88	1.77E-03	3.85E-04	3.50E-04	4.83E-05	1.88E-03	2.24E-04	1.94E-04	1.64E-05
2727	438140.33	3725335.93	1.76E-03	3.82E-04	3.47E-04	4.80E-05	1.87E-03	2.23E-04	1.92E-04	1.63E-05
2728	438164.28	3725297.65	1.57E-03	3.41E-04	3.10E-04	4.29E-05	1.67E-03	1.99E-04	1.72E-04	1.45E-05
2729	438165.25	3725306.83	1.56E-03	3.40E-04	3.09E-04	4.26E-05	1.66E-03	1.98E-04	1.71E-04	1.45E-05
2730	438166.21	3725316.01	1.55E-03	3.38E-04	3.07E-04	4.24E-05	1.65E-03	1.97E-04	1.70E-04	1.44E-05
2731	438167.18	3725325.19	1.54E-03	3.35E-04	3.05E-04	4.21E-05	1.64E-03	1.95E-04	1.69E-04	1.43E-05
2732	438172.99	3725380.26	1.48E-03	3.21E-04	2.92E-04	4.03E-05	1.57E-03	1.87E-04	1.62E-04	1.37E-05
2733	438194.23	3725316.33	1.37E-03	2.98E-04	2.71E-04	3.74E-05	1.46E-03	1.74E-04	1.50E-04	1.27E-05
2734	438199.95	3725370.55	1.31E-03	2.86E-04	2.60E-04	3.59E-05	1.40E-03	1.66E-04	1.44E-04	1.22E-05
2735	438200.9	3725379.59	1.31E-03	2.84E-04	2.58E-04	3.56E-05	1.39E-03	1.65E-04	1.43E-04	1.21E-05
2736	438201.85	3725388.63	1.29E-03	2.81E-04	2.56E-04	3.53E-05	1.38E-03	1.64E-04	1.42E-04	1.20E-05
2737	438226.83	3725360.17	1.18E-03	2.56E-04	2.33E-04	3.22E-05	1.25E-03	1.49E-04	1.29E-04	1.09E-05
2738	438227.8	3725369.31	1.17E-03	2.54E-04	2.31E-04	3.19E-05	1.24E-03	1.48E-04	1.28E-04	1.08E-05
2739	438228.76	3725378.46	1.16E-03	2.52E-04	2.29E-04	3.16E-05	1.23E-03	1.47E-04	1.27E-04	1.07E-05
2740	438229.73	3725387.6	1.15E-03	2.50E-04	2.27E-04	3.14E-05	1.22E-03	1.46E-04	1.26E-04	1.06E-05
2741	438254.8	3725359.99	1.06E-03	2.29E-04	2.09E-04	2.88E-05	1.12E-03	1.34E-04	1.16E-04	9.77E-06
2742	438255.75	3725369.01	1.05E-03	2.28E-04	2.07E-04	2.86E-05	1.11E-03	1.33E-04	1.15E-04	9.69E-06
2743	438256.7	3725378.03	1.04E-03	2.26E-04	2.05E-04	2.84E-05	1.10E-03	1.32E-04	1.14E-04	9.62E-06
2744	438257.65	3725387.05	1.03E-03	2.24E-04	2.04E-04	2.82E-05	1.10E-03	1.31E-04	1.13E-04	9.54E-06
2745	438258.6	3725396.07	1.03E-03	2.23E-04	2.03E-04	2.80E-05	1.09E-03	1.30E-04	1.12E-04	9.49E-06
2746	438285.51	3725385.87	9.31E-04	2.02E-04	1.84E-04	2.54E-05	9.89E-04	1.18E-04	1.02E-04	8.61E-06
2747	438286.47	3725394.99	9.26E-04	2.01E-04	1.83E-04	2.53E-05	9.83E-04	1.17E-04	1.01E-04	8.56E-06
2748	438472.37	3724891.05	3.47E-04	7.55E-05	6.86E-05	9.48E-06	3.69E-04	4.40E-05	3.80E-05	3.21E-06
2749	438507.71	3724872.3	3.19E-04	6.93E-05	6.30E-05	8.71E-06	3.39E-04	4.04E-05	3.49E-05	2.95E-06
2750	438503.36	3724864.11	3.15E-04	6.85E-05	6.23E-05	8.60E-06	3.35E-04	3.99E-05	3.45E-05	2.92E-06
2751	438499.02	3724855.92	3.11E-04	6.76E-05	6.14E-05	8.49E-06	3.30E-04	3.94E-05	3.40E-05	2.88E-06
2752	438494.67	3724847.74	3.07E-04	6.66E-05	6.06E-05	8.37E-06	3.26E-04	3.88E-05	3.36E-05	2.84E-06
2753	438534.35	3724837.17	2.88E-04	6.27E-05	5.70E-05	7.87E-06	3.06E-04	3.65E-05	3.15E-05	2.67E-06
2754	438530	3724828.98	2.85E-04	6.19E-05	5.63E-05	7.78E-06	3.03E-04	3.61E-05	3.12E-05	2.64E-06
2755	438565.34	3724810.23	2.64E-04	5.73E-05	5.21E-05	7.19E-06	2.80E-04	3.34E-05	2.88E-05	2.44E-06
2756	438160.56	3724648.18	2.02E-04	4.40E-05	4.00E-05	5.52E-06	2.15E-04	2.56E-05	2.21E-05	1.87E-06
2757	438152.81	3724642.85	1.98E-04	4.29E-05	3.90E-05	5.39E-06	2.10E-04	2.50E-05	2.16E-05	1.83E-06
2758	438145.05	3724637.52	1.92E-04	4.18E-05	3.80E-05	5.25E-06	2.04E-04	2.44E-05	2.10E-05	1.78E-06
2759	438137.3	3724632.18	1.87E-04	4.07E-05	3.70E-05	5.11E-06	1.99E-04	2.37E-05	2.05E-05	1.73E-06
2760	438129.54	3724626.85	1.82E-04	3.96E-05	3.60E-05	4.97E-06	1.93E-04	2.31E-05	1.99E-05	1.68E-06
2761	438121.79	3724621.52	1.77E-04	3.85E-05	3.50E-05	4.83E-06	1.88E-04	2.24E-05	1.94E-05	1.64E-06
2762	438114.03	3724616.19	1.72E-04	3.74E-05	3.40E-05	4.69E-06	1.83E-04	2.18E-05	1.88E-05	1.59E-06
2763	438106.28	3724610.86	1.67E-04	3.62E-05	3.30E-05	4.55E-06	1.77E-04	2.11E-05	1.83E-05	1.54E-06
2764	438098.52	3724605.53	1.62E-04	3.51E-05	3.19E-05	4.41E-06	1.72E-04	2.05E-05	1.77E-05	1.49E-06
2765	438189.4	3724622.14	1.90E-04	4.13E-05	3.76E-05	5.19E-06	2.02E-04	2.41E-05	2.08E-05	1.76E-06
2766	438195.57	3724629.06	1.95E-04	4.24E-05	3.85E-05	5.32E-06	2.07E-04	2.47E-05	2.13E-05	1.80E-06
2767	438201.75	3724635.99	2.00E-04	4.35E-05	3.96E-05	5.46E-06	2.13E-04	2.54E-05	2.19E-05	1.85E-06
2768	438207.92	3724642.91	2.06E-04	4.47E-05	4.06E-05	5.61E-06	2.18E-04	2.60E-05	2.25E-05	1.90E-06
2769	438214.09	3724649.83	2.11E-04	4.58E-05	4.17E-05	5.75E-06	2.24E-04	2.67E-05	2.31E-05	1.95E-06
2770	438220.27	3724656.76	2.16E-04	4.70E-05	4.27E-05	5.90E-06	2.30E-04	2.74E-05	2.37E-05	2.00E-06
2771	438226.44	3724663.68	2.22E-04	4.82E-05	4.38E-05	6.05E-06	2.36E-04	2.81E-05	2.43E-05	2.05E-06
2772	438232.62	3724670.61	2.27E-04	4.93E-05	4.48E-05	6.19E-06	2.41E-04	2.87E-05	2.48E-05	2.10E-06
2773	438238.79	3724677.53	2.32E-04	5.05E-05	4.59E-05	6.34E-06	2.47E-04	2.94E-05	2.54E-05	2.15E-06
2774	438244.96	3724684.45	2.38E-04	5.17E-05	4.70E-05	6.50E-06	2.53E-04	3.01E-05	2.60E-05	2.20E-06
2775	438251.14	3724691.38	2.44E-04	5.31E-05	4.82E-05	6.66E-06	2.59E-04	3.09E-05	2.67E-05	2.26E-06
2776	438257.31	3724698.3	2.50E-04	5.43E-05	4.93E-05	6.82E-06	2.65E-04	3.16E-05	2.73E-05	2.31E-06
2777	438263.48	3724705.22	2.56E-04	5.55E-05	5.05E-05	6.97E-06	2.72E-04	3.24E-05	2.80E-05	2.36E-06
2778	438269.66	3724712.15	2.61E-04	5.68E-05	5.16E-05	7.13E-06	2.78E-04	3.31E-05	2.86E-05	2.42E-06
2779	438275.83	3724719.07	2.67E-04	5.80E-05	5.27E-05	7.28E-06	2.83E-04	3.38E-05	2.92E-05	2.47E-06
2780	438282.01	3724725.99	2.72E-04	5.91E-05	5.38E-05	7.43E-06	2.89E-04	3.45E-05	2.98E-05	2.52E-06

2781	438288.18	3724732.92	2.78E-04	6.03E-05	5.48E-05	7.57E-06	2.95E-04	3.52E-05	3.04E-05	2.57E-06
2782	438343.74	3724795.23	3.18E-04	6.90E-05	6.28E-05	8.67E-06	3.38E-04	4.02E-05	3.48E-05	2.94E-06
2783	438349.92	3724802.15	3.21E-04	6.98E-05	6.34E-05	8.76E-06	3.41E-04	4.07E-05	3.51E-05	2.97E-06
2784	438356.09	3724809.08	3.25E-04	7.06E-05	6.41E-05	8.86E-06	3.45E-04	4.11E-05	3.55E-05	3.00E-06
2785	438183.22	3724615.22	1.85E-04	4.02E-05	3.66E-05	5.05E-06	1.97E-04	2.34E-05	2.03E-05	1.71E-06
2786	438175.47	3724609.89	1.81E-04	3.93E-05	3.57E-05	4.93E-06	1.92E-04	2.29E-05	1.98E-05	1.67E-06
2787	438167.71	3724604.55	1.76E-04	3.83E-05	3.48E-05	4.81E-06	1.87E-04	2.23E-05	1.93E-05	1.63E-06
2788	438159.96	3724599.22	1.72E-04	3.73E-05	3.39E-05	4.68E-06	1.82E-04	2.17E-05	1.88E-05	1.59E-06
2789	438152.2	3724593.89	1.67E-04	3.62E-05	3.29E-05	4.55E-06	1.77E-04	2.11E-05	1.82E-05	1.54E-06
2790	438144.45	3724588.56	1.62E-04	3.52E-05	3.20E-05	4.42E-06	1.72E-04	2.05E-05	1.77E-05	1.50E-06
2791	438136.69	3724583.23	1.57E-04	3.42E-05	3.11E-05	4.29E-06	1.67E-04	1.99E-05	1.72E-05	1.46E-06
2792	438128.94	3724577.9	1.53E-04	3.32E-05	3.02E-05	4.17E-06	1.62E-04	1.94E-05	1.67E-05	1.41E-06
2793	438121.18	3724572.57	1.48E-04	3.22E-05	2.93E-05	4.05E-06	1.58E-04	1.88E-05	1.62E-05	1.37E-06
2794	438212.07	3724589.19	1.74E-04	3.79E-05	3.44E-05	4.76E-06	1.85E-04	2.21E-05	1.91E-05	1.61E-06
2795	438218.25	3724596.12	1.79E-04	3.89E-05	3.53E-05	4.88E-06	1.90E-04	2.27E-05	1.96E-05	1.66E-06
2796	438224.43	3724603.05	1.84E-04	3.99E-05	3.63E-05	5.01E-06	1.95E-04	2.33E-05	2.01E-05	1.70E-06
2797	438230.61	3724609.98	1.88E-04	4.09E-05	3.72E-05	5.14E-06	2.00E-04	2.38E-05	2.06E-05	1.74E-06
2798	438236.79	3724616.92	1.93E-04	4.19E-05	3.81E-05	5.27E-06	2.05E-04	2.44E-05	2.11E-05	1.79E-06
2799	438242.98	3724623.85	1.98E-04	4.29E-05	3.90E-05	5.39E-06	2.10E-04	2.50E-05	2.16E-05	1.83E-06
2800	438249.16	3724630.78	2.02E-04	4.40E-05	4.00E-05	5.52E-06	2.15E-04	2.56E-05	2.21E-05	1.87E-06
2801	438255.34	3724637.71	2.07E-04	4.50E-05	4.09E-05	5.65E-06	2.20E-04	2.62E-05	2.27E-05	1.92E-06
2802	438261.52	3724644.65	2.12E-04	4.60E-05	4.19E-05	5.78E-06	2.25E-04	2.68E-05	2.32E-05	1.96E-06
2803	438267.7	3724651.58	2.17E-04	4.71E-05	4.28E-05	5.91E-06	2.30E-04	2.74E-05	2.37E-05	2.00E-06
2804	438273.88	3724658.51	2.22E-04	4.81E-05	4.38E-05	6.05E-06	2.35E-04	2.81E-05	2.42E-05	2.05E-06
2805	438280.07	3724665.44	2.26E-04	4.92E-05	4.47E-05	6.18E-06	2.40E-04	2.87E-05	2.48E-05	2.09E-06
2806	438286.25	3724672.38	2.31E-04	5.03E-05	4.57E-05	6.31E-06	2.46E-04	2.93E-05	2.53E-05	2.14E-06
2807	438292.43	3724679.31	2.36E-04	5.14E-05	4.67E-05	6.45E-06	2.51E-04	2.99E-05	2.59E-05	2.19E-06
2808	438298.61	3724686.24	2.41E-04	5.24E-05	4.76E-05	6.58E-06	2.56E-04	3.05E-05	2.64E-05	2.23E-06
2809	438317.16	3724707.04	2.55E-04	5.55E-05	5.04E-05	6.97E-06	2.71E-04	3.23E-05	2.79E-05	2.36E-06
2810	438366.61	3724762.5	2.89E-04	6.27E-05	5.70E-05	7.88E-06	3.07E-04	3.65E-05	3.16E-05	2.67E-06
2811	438372.79	3724769.43	2.92E-04	6.34E-05	5.76E-05	7.96E-06	3.10E-04	3.70E-05	3.19E-05	2.70E-06
2812	438378.97	3724776.36	2.95E-04	6.41E-05	5.83E-05	8.05E-06	3.13E-04	3.74E-05	3.23E-05	2.73E-06
2813	438385.16	3724783.3	2.98E-04	6.48E-05	5.89E-05	8.14E-06	3.17E-04	3.78E-05	3.26E-05	2.76E-06
2814	438391.34	3724790.23	3.01E-04	6.54E-05	5.95E-05	8.22E-06	3.20E-04	3.81E-05	3.29E-05	2.78E-06
2815	438397.52	3724797.16	3.03E-04	6.59E-05	5.99E-05	8.27E-06	3.22E-04	3.84E-05	3.32E-05	2.80E-06
2816	438403.7	3724804.09	3.05E-04	6.63E-05	6.02E-05	8.32E-06	3.24E-04	3.86E-05	3.34E-05	2.82E-06
2817	438409.88	3724811.03	3.07E-04	6.67E-05	6.06E-05	8.37E-06	3.26E-04	3.88E-05	3.36E-05	2.84E-06
2818	438416.06	3724817.96	3.09E-04	6.71E-05	6.10E-05	8.43E-06	3.28E-04	3.91E-05	3.38E-05	2.86E-06
2819	438428.43	3724831.82	3.15E-04	6.85E-05	6.23E-05	8.60E-06	3.35E-04	3.99E-05	3.45E-05	2.92E-06
2820	438205.89	3724582.25	1.70E-04	3.69E-05	3.35E-05	4.63E-06	1.80E-04	2.15E-05	1.86E-05	1.57E-06
2821	438198.13	3724576.92	1.66E-04	3.61E-05	3.28E-05	4.53E-06	1.76E-04	2.10E-05	1.82E-05	1.54E-06
2822	438190.38	3724571.59	1.62E-04	3.52E-05	3.20E-05	4.42E-06	1.72E-04	2.05E-05	1.77E-05	1.50E-06
2823	438182.62	3724566.26	1.58E-04	3.43E-05	3.12E-05	4.31E-06	1.68E-04	2.00E-05	1.73E-05	1.46E-06
2824	438174.87	3724560.93	1.54E-04	3.34E-05	3.03E-05	4.19E-06	1.63E-04	1.94E-05	1.68E-05	1.42E-06
2825	438167.11	3724555.6	1.49E-04	3.25E-05	2.95E-05	4.08E-06	1.59E-04	1.89E-05	1.63E-05	1.38E-06
2826	438159.36	3724550.27	1.45E-04	3.16E-05	2.87E-05	3.97E-06	1.54E-04	1.84E-05	1.59E-05	1.34E-06
2827	438151.6	3724544.94	1.41E-04	3.07E-05	2.79E-05	3.85E-06	1.50E-04	1.79E-05	1.54E-05	1.31E-06
2828	438143.85	3724539.6	1.37E-04	2.98E-05	2.71E-05	3.74E-06	1.46E-04	1.74E-05	1.50E-05	1.27E-06
2829	438234.73	3724556.23	1.60E-04	3.49E-05	3.17E-05	4.38E-06	1.70E-04	2.03E-05	1.76E-05	1.48E-06
2830	438240.92	3724563.17	1.65E-04	3.58E-05	3.25E-05	4.49E-06	1.75E-04	2.08E-05	1.80E-05	1.52E-06
2831	438247.11	3724570.11	1.69E-04	3.67E-05	3.33E-05	4.60E-06	1.79E-04	2.14E-05	1.85E-05	1.56E-06
2832	438253.3	3724577.05	1.73E-04	3.76E-05	3.42E-05	4.72E-06	1.84E-04	2.19E-05	1.89E-05	1.60E-06
2833	438259.49	3724583.99	1.77E-04	3.85E-05	3.50E-05	4.83E-06	1.88E-04	2.24E-05	1.94E-05	1.64E-06
2834	438265.68	3724590.94	1.81E-04	3.94E-05	3.58E-05	4.95E-06	1.93E-04	2.30E-05	1.98E-05	1.68E-06
2835	438271.87	3724597.88	1.85E-04	4.03E-05	3.66E-05	5.06E-06	1.97E-04	2.35E-05	2.03E-05	1.72E-06
2836	438278.06	3724604.82	1.89E-04	4.12E-05	3.74E-05	5.17E-06	2.01E-04	2.40E-05	2.07E-05	1.75E-06
2837	438284.25	3724611.76	1.94E-04	4.21E-05	3.83E-05	5.29E-06	2.06E-04	2.45E-05	2.12E-05	1.79E-06
2838	438290.43	3724618.7	1.98E-04	4.30E-05	3.91E-05	5.40E-06	2.10E-04	2.51E-05	2.17E-05	1.83E-06

2839	438296.62	3724625.64	2.02E-04	4.40E-05	4.00E-05	5.52E-06	2.15E-04	2.56E-05	2.21E-05	1.87E-06
2840	438302.81	3724632.58	2.07E-04	4.49E-05	4.08E-05	5.64E-06	2.19E-04	2.62E-05	2.26E-05	1.91E-06
2841	438309	3724639.52	2.11E-04	4.58E-05	4.16E-05	5.75E-06	2.24E-04	2.67E-05	2.31E-05	1.95E-06
2842	438315.19	3724646.46	2.15E-04	4.68E-05	4.25E-05	5.87E-06	2.29E-04	2.73E-05	2.36E-05	1.99E-06
2843	438321.38	3724653.4	2.20E-04	4.77E-05	4.34E-05	5.99E-06	2.33E-04	2.78E-05	2.40E-05	2.03E-06
2844	438327.57	3724660.34	2.24E-04	4.87E-05	4.42E-05	6.11E-06	2.38E-04	2.84E-05	2.45E-05	2.07E-06
2845	438333.76	3724667.28	2.28E-04	4.96E-05	4.51E-05	6.23E-06	2.42E-04	2.89E-05	2.50E-05	2.11E-06
2846	438339.95	3724674.22	2.32E-04	5.05E-05	4.59E-05	6.34E-06	2.47E-04	2.94E-05	2.54E-05	2.15E-06
2847	438401.84	3724743.63	2.69E-04	5.85E-05	5.31E-05	7.34E-06	2.86E-04	3.41E-05	2.94E-05	2.49E-06
2848	438408.02	3724750.57	2.72E-04	5.91E-05	5.37E-05	7.42E-06	2.89E-04	3.45E-05	2.98E-05	2.52E-06
2849	438414.21	3724757.51	2.75E-04	5.97E-05	5.43E-05	7.50E-06	2.92E-04	3.48E-05	3.01E-05	2.54E-06
2850	438420.4	3724764.45	2.78E-04	6.04E-05	5.49E-05	7.58E-06	2.95E-04	3.52E-05	3.04E-05	2.57E-06
2851	438426.59	3724771.39	2.81E-04	6.10E-05	5.54E-05	7.66E-06	2.98E-04	3.55E-05	3.07E-05	2.60E-06
2852	438432.78	3724778.33	2.83E-04	6.16E-05	5.60E-05	7.73E-06	3.01E-04	3.59E-05	3.10E-05	2.62E-06
2853	438438.97	3724785.27	2.86E-04	6.21E-05	5.64E-05	7.79E-06	3.03E-04	3.62E-05	3.13E-05	2.64E-06
2854	438445.16	3724792.21	2.87E-04	6.24E-05	5.68E-05	7.84E-06	3.05E-04	3.64E-05	3.14E-05	2.66E-06
2855	438228.55	3724549.29	1.56E-04	3.40E-05	3.09E-05	4.27E-06	1.66E-04	1.98E-05	1.71E-05	1.45E-06
2856	438220.79	3724543.96	1.53E-04	3.32E-05	3.01E-05	4.16E-06	1.62E-04	1.93E-05	1.67E-05	1.41E-06
2857	438213.04	3724538.63	1.49E-04	3.24E-05	2.94E-05	4.07E-06	1.58E-04	1.89E-05	1.63E-05	1.38E-06
2858	438205.28	3724533.3	1.45E-04	3.16E-05	2.87E-05	3.97E-06	1.54E-04	1.84E-05	1.59E-05	1.34E-06
2859	438197.53	3724527.97	1.42E-04	3.08E-05	2.80E-05	3.87E-06	1.51E-04	1.80E-05	1.55E-05	1.31E-06
2860	438189.77	3724522.64	1.38E-04	3.00E-05	2.73E-05	3.77E-06	1.47E-04	1.75E-05	1.51E-05	1.28E-06
2861	438182.02	3724517.3	1.34E-04	2.92E-05	2.66E-05	3.67E-06	1.43E-04	1.70E-05	1.47E-05	1.24E-06
2862	438174.26	3724511.97	1.31E-04	2.84E-05	2.58E-05	3.57E-06	1.39E-04	1.66E-05	1.43E-05	1.21E-06
2863	438166.51	3724506.64	1.27E-04	2.76E-05	2.51E-05	3.47E-06	1.35E-04	1.61E-05	1.39E-05	1.18E-06
2864	438257.4	3724523.28	1.49E-04	3.24E-05	2.94E-05	4.07E-06	1.58E-04	1.89E-05	1.63E-05	1.38E-06
2865	438263.6	3724530.23	1.53E-04	3.32E-05	3.02E-05	4.17E-06	1.62E-04	1.93E-05	1.67E-05	1.41E-06
2866	438269.79	3724537.17	1.56E-04	3.40E-05	3.09E-05	4.27E-06	1.66E-04	1.98E-05	1.71E-05	1.45E-06
2867	438275.99	3724544.12	1.60E-04	3.48E-05	3.16E-05	4.37E-06	1.70E-04	2.03E-05	1.75E-05	1.48E-06
2868	438282.18	3724551.07	1.64E-04	3.56E-05	3.23E-05	4.47E-06	1.74E-04	2.07E-05	1.79E-05	1.51E-06
2869	438288.38	3724558.02	1.68E-04	3.64E-05	3.31E-05	4.57E-06	1.78E-04	2.12E-05	1.83E-05	1.55E-06
2870	438294.57	3724564.96	1.71E-04	3.72E-05	3.38E-05	4.68E-06	1.82E-04	2.17E-05	1.87E-05	1.58E-06
2871	438300.77	3724571.91	1.75E-04	3.81E-05	3.46E-05	4.78E-06	1.86E-04	2.22E-05	1.92E-05	1.62E-06
2872	438306.97	3724578.86	1.79E-04	3.89E-05	3.54E-05	4.88E-06	1.90E-04	2.27E-05	1.96E-05	1.66E-06
2873	438313.16	3724585.81	1.83E-04	3.97E-05	3.61E-05	4.99E-06	1.94E-04	2.31E-05	2.00E-05	1.69E-06
2874	438319.36	3724592.76	1.87E-04	4.06E-05	3.69E-05	5.09E-06	1.98E-04	2.36E-05	2.04E-05	1.73E-06
2875	438325.55	3724599.7	1.91E-04	4.14E-05	3.77E-05	5.20E-06	2.03E-04	2.41E-05	2.09E-05	1.76E-06
2876	438331.75	3724606.65	1.95E-04	4.23E-05	3.85E-05	5.31E-06	2.07E-04	2.47E-05	2.13E-05	1.80E-06
2877	438337.94	3724613.6	1.99E-04	4.31E-05	3.92E-05	5.42E-06	2.11E-04	2.51E-05	2.17E-05	1.84E-06
2878	438344.14	3724620.55	2.02E-04	4.39E-05	3.99E-05	5.52E-06	2.15E-04	2.56E-05	2.21E-05	1.87E-06
2879	438350.33	3724627.5	2.06E-04	4.47E-05	4.07E-05	5.62E-06	2.19E-04	2.61E-05	2.25E-05	1.90E-06
2880	438356.53	3724634.44	2.10E-04	4.56E-05	4.14E-05	5.72E-06	2.23E-04	2.66E-05	2.29E-05	1.94E-06
2881	438418.48	3724703.92	2.43E-04	5.28E-05	4.80E-05	6.63E-06	2.58E-04	3.08E-05	2.66E-05	2.25E-06
2882	438430.88	3724717.82	2.49E-04	5.40E-05	4.91E-05	6.78E-06	2.64E-04	3.15E-05	2.72E-05	2.30E-06
2883	438437.07	3724724.77	2.51E-04	5.46E-05	4.97E-05	6.86E-06	2.67E-04	3.18E-05	2.75E-05	2.33E-06
2884	438443.27	3724731.71	2.54E-04	5.52E-05	5.02E-05	6.93E-06	2.70E-04	3.22E-05	2.78E-05	2.35E-06
2885	438449.46	3724738.66	2.56E-04	5.57E-05	5.07E-05	7.00E-06	2.72E-04	3.25E-05	2.81E-05	2.37E-06
2886	438455.66	3724745.61	2.59E-04	5.62E-05	5.11E-05	7.06E-06	2.75E-04	3.28E-05	2.83E-05	2.39E-06
2887	438461.85	3724752.56	2.61E-04	5.68E-05	5.16E-05	7.13E-06	2.77E-04	3.31E-05	2.86E-05	2.42E-06
2888	438468.05	3724759.51	2.64E-04	5.73E-05	5.21E-05	7.19E-06	2.80E-04	3.34E-05	2.88E-05	2.44E-06
2889	438474.24	3724766.45	2.66E-04	5.77E-05	5.25E-05	7.25E-06	2.82E-04	3.36E-05	2.91E-05	2.46E-06
2890	438480.44	3724773.4	2.68E-04	5.82E-05	5.29E-05	7.31E-06	2.84E-04	3.39E-05	2.93E-05	2.48E-06
2891	438486.63	3724780.35	2.70E-04	5.86E-05	5.33E-05	7.36E-06	2.87E-04	3.42E-05	2.95E-05	2.50E-06
2892	438492.83	3724787.3	2.72E-04	5.90E-05	5.37E-05	7.41E-06	2.89E-04	3.44E-05	2.97E-05	2.51E-06
2893	438499.03	3724794.25	2.74E-04	5.95E-05	5.41E-05	7.47E-06	2.91E-04	3.47E-05	3.00E-05	2.53E-06
2894	438505.22	3724801.19	2.76E-04	6.00E-05	5.45E-05	7.53E-06	2.93E-04	3.50E-05	3.02E-05	2.55E-06
2895	438511.42	3724808.14	2.78E-04	6.04E-05	5.49E-05	7.59E-06	2.95E-04	3.52E-05	3.04E-05	2.57E-06
2896	438517.61	3724815.09	2.80E-04	6.09E-05	5.53E-05	7.65E-06	2.98E-04	3.55E-05	3.07E-05	2.59E-06

2897	438523.81	3724822.04	2.83E-04	6.14E-05	5.58E-05	7.71E-06	3.00E-04	3.58E-05	3.09E-05	2.61E-06
2898	438251.21	3724516.33	1.45E-04	3.15E-05	2.87E-05	3.96E-06	1.54E-04	1.84E-05	1.59E-05	1.34E-06
2899	438243.45	3724511	1.42E-04	3.08E-05	2.80E-05	3.87E-06	1.51E-04	1.80E-05	1.55E-05	1.31E-06
2900	438235.7	3724505.67	1.38E-04	3.01E-05	2.73E-05	3.78E-06	1.47E-04	1.75E-05	1.51E-05	1.28E-06
2901	438227.94	3724500.34	1.35E-04	2.93E-05	2.67E-05	3.68E-06	1.43E-04	1.71E-05	1.48E-05	1.25E-06
2902	438220.19	3724495	1.32E-04	2.86E-05	2.60E-05	3.59E-06	1.40E-04	1.67E-05	1.44E-05	1.22E-06
2903	438212.43	3724489.67	1.28E-04	2.79E-05	2.53E-05	3.50E-06	1.36E-04	1.62E-05	1.40E-05	1.19E-06
2904	438204.68	3724484.34	1.25E-04	2.72E-05	2.47E-05	3.41E-06	1.33E-04	1.58E-05	1.37E-05	1.16E-06
2905	438196.92	3724479.01	1.22E-04	2.65E-05	2.41E-05	3.33E-06	1.29E-04	1.54E-05	1.33E-05	1.13E-06
2906	438189.17	3724473.68	1.19E-04	2.58E-05	2.34E-05	3.24E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
2907	438466.11	3724698.96	2.33E-04	5.07E-05	4.61E-05	6.36E-06	2.48E-04	2.95E-05	2.55E-05	2.16E-06
2908	438472.31	3724705.91	2.36E-04	5.12E-05	4.65E-05	6.43E-06	2.50E-04	2.98E-05	2.58E-05	2.18E-06
2909	438478.52	3724712.87	2.38E-04	5.17E-05	4.70E-05	6.49E-06	2.53E-04	3.01E-05	2.60E-05	2.20E-06
2910	438484.72	3724719.82	2.40E-04	5.22E-05	4.74E-05	6.55E-06	2.55E-04	3.04E-05	2.63E-05	2.22E-06
2911	438490.92	3724726.78	2.42E-04	5.26E-05	4.78E-05	6.61E-06	2.57E-04	3.07E-05	2.65E-05	2.24E-06
2912	438497.12	3724733.73	2.45E-04	5.31E-05	4.83E-05	6.67E-06	2.60E-04	3.10E-05	2.67E-05	2.26E-06
2913	438503.32	3724740.69	2.47E-04	5.36E-05	4.87E-05	6.73E-06	2.62E-04	3.13E-05	2.70E-05	2.28E-06
2914	438509.52	3724747.64	2.49E-04	5.41E-05	4.92E-05	6.79E-06	2.65E-04	3.15E-05	2.72E-05	2.30E-06
2915	438515.72	3724754.6	2.51E-04	5.46E-05	4.96E-05	6.86E-06	2.67E-04	3.18E-05	2.75E-05	2.32E-06
2916	438521.93	3724761.55	2.53E-04	5.50E-05	5.00E-05	6.91E-06	2.69E-04	3.21E-05	2.77E-05	2.34E-06
2917	438528.13	3724768.51	2.55E-04	5.54E-05	5.04E-05	6.96E-06	2.71E-04	3.23E-05	2.79E-05	2.36E-06
2918	438534.33	3724775.46	2.57E-04	5.58E-05	5.07E-05	7.01E-06	2.73E-04	3.25E-05	2.81E-05	2.37E-06
2919	438540.53	3724782.42	2.59E-04	5.62E-05	5.11E-05	7.06E-06	2.75E-04	3.27E-05	2.83E-05	2.39E-06
2920	438546.73	3724789.37	2.60E-04	5.66E-05	5.14E-05	7.11E-06	2.77E-04	3.30E-05	2.85E-05	2.41E-06
2921	438552.93	3724796.32	2.62E-04	5.69E-05	5.17E-05	7.14E-06	2.78E-04	3.32E-05	2.86E-05	2.42E-06
2922	438559.13	3724803.28	2.63E-04	5.71E-05	5.19E-05	7.17E-06	2.79E-04	3.33E-05	2.87E-05	2.43E-06
2923	438211.83	3724440.72	1.12E-04	2.43E-05	2.21E-05	3.05E-06	1.19E-04	1.42E-05	1.22E-05	1.03E-06
2924	438302.73	3724457.37	1.25E-04	2.72E-05	2.47E-05	3.41E-06	1.33E-04	1.58E-05	1.37E-05	1.16E-06
2925	438308.94	3724464.33	1.28E-04	2.78E-05	2.53E-05	3.49E-06	1.36E-04	1.62E-05	1.40E-05	1.18E-06
2926	438315.15	3724471.29	1.31E-04	2.84E-05	2.59E-05	3.57E-06	1.39E-04	1.66E-05	1.43E-05	1.21E-06
2927	438321.35	3724478.25	1.34E-04	2.91E-05	2.64E-05	3.65E-06	1.42E-04	1.70E-05	1.46E-05	1.24E-06
2928	438327.56	3724485.21	1.37E-04	2.97E-05	2.70E-05	3.73E-06	1.45E-04	1.73E-05	1.50E-05	1.27E-06
2929	438333.77	3724492.17	1.40E-04	3.04E-05	2.76E-05	3.81E-06	1.48E-04	1.77E-05	1.53E-05	1.29E-06
2930	438339.97	3724499.13	1.43E-04	3.10E-05	2.82E-05	3.89E-06	1.51E-04	1.81E-05	1.56E-05	1.32E-06
2931	438346.18	3724506.09	1.46E-04	3.17E-05	2.88E-05	3.97E-06	1.55E-04	1.84E-05	1.59E-05	1.35E-06
2932	438352.39	3724513.05	1.49E-04	3.23E-05	2.94E-05	4.06E-06	1.58E-04	1.88E-05	1.63E-05	1.38E-06
2933	438358.6	3724520.01	1.52E-04	3.30E-05	3.00E-05	4.14E-06	1.61E-04	1.92E-05	1.66E-05	1.40E-06
2934	438364.8	3724526.97	1.55E-04	3.36E-05	3.06E-05	4.22E-06	1.64E-04	1.96E-05	1.69E-05	1.43E-06
2935	438371.01	3724533.93	1.58E-04	3.43E-05	3.12E-05	4.31E-06	1.68E-04	2.00E-05	1.73E-05	1.46E-06
2936	438377.22	3724540.9	1.61E-04	3.50E-05	3.18E-05	4.39E-06	1.71E-04	2.04E-05	1.76E-05	1.49E-06
2937	438383.42	3724547.86	1.64E-04	3.56E-05	3.24E-05	4.48E-06	1.74E-04	2.08E-05	1.79E-05	1.52E-06
2938	438389.63	3724554.82	1.67E-04	3.63E-05	3.30E-05	4.56E-06	1.78E-04	2.12E-05	1.83E-05	1.55E-06
2939	438395.84	3724561.78	1.70E-04	3.70E-05	3.37E-05	4.65E-06	1.81E-04	2.16E-05	1.86E-05	1.58E-06
2940	438402.04	3724568.74	1.74E-04	3.77E-05	3.43E-05	4.74E-06	1.84E-04	2.20E-05	1.90E-05	1.61E-06
2941	438408.25	3724575.7	1.77E-04	3.84E-05	3.49E-05	4.82E-06	1.88E-04	2.24E-05	1.93E-05	1.63E-06
2942	438414.46	3724582.66	1.80E-04	3.91E-05	3.55E-05	4.91E-06	1.91E-04	2.28E-05	1.97E-05	1.66E-06
2943	438420.67	3724589.62	1.83E-04	3.98E-05	3.62E-05	4.99E-06	1.94E-04	2.32E-05	2.00E-05	1.69E-06
2944	438426.87	3724596.58	1.86E-04	4.05E-05	3.68E-05	5.08E-06	1.98E-04	2.36E-05	2.04E-05	1.72E-06
2945	438433.08	3724603.54	1.90E-04	4.12E-05	3.75E-05	5.17E-06	2.01E-04	2.40E-05	2.07E-05	1.75E-06
2946	438439.29	3724610.5	1.92E-04	4.18E-05	3.80E-05	5.25E-06	2.04E-04	2.44E-05	2.11E-05	1.78E-06
2947	438445.49	3724617.46	1.95E-04	4.25E-05	3.86E-05	5.33E-06	2.08E-04	2.47E-05	2.14E-05	1.81E-06
2948	438451.7	3724624.42	1.98E-04	4.31E-05	3.92E-05	5.41E-06	2.11E-04	2.51E-05	2.17E-05	1.84E-06
2949	438296.53	3724450.4	1.22E-04	2.66E-05	2.42E-05	3.34E-06	1.30E-04	1.55E-05	1.34E-05	1.13E-06
2950	438288.77	3724445.07	1.20E-04	2.61E-05	2.37E-05	3.28E-06	1.28E-04	1.52E-05	1.31E-05	1.11E-06
2951	438281.02	3724439.74	1.18E-04	2.56E-05	2.33E-05	3.22E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
2952	438273.26	3724434.41	1.16E-04	2.51E-05	2.29E-05	3.16E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06
2953	438325.4	3724424.41	1.14E-04	2.47E-05	2.24E-05	3.10E-06	1.21E-04	1.44E-05	1.24E-05	1.05E-06
2954	438331.61	3724431.38	1.16E-04	2.52E-05	2.29E-05	3.17E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06

2955	438337.82	3724438.34	1.19E-04	2.58E-05	2.34E-05	3.24E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
2956	438344.03	3724445.31	1.21E-04	2.63E-05	2.40E-05	3.31E-06	1.29E-04	1.54E-05	1.33E-05	1.12E-06
2957	438350.25	3724452.27	1.24E-04	2.69E-05	2.45E-05	3.38E-06	1.32E-04	1.57E-05	1.36E-05	1.15E-06
2958	438356.46	3724459.24	1.27E-04	2.75E-05	2.50E-05	3.46E-06	1.35E-04	1.60E-05	1.39E-05	1.17E-06
2959	438362.67	3724466.21	1.29E-04	2.81E-05	2.55E-05	3.53E-06	1.37E-04	1.64E-05	1.41E-05	1.20E-06
2960	438368.88	3724473.17	1.32E-04	2.87E-05	2.61E-05	3.60E-06	1.40E-04	1.67E-05	1.44E-05	1.22E-06
2961	438375.09	3724480.14	1.35E-04	2.93E-05	2.66E-05	3.68E-06	1.43E-04	1.71E-05	1.47E-05	1.25E-06
2962	438381.31	3724487.11	1.38E-04	2.99E-05	2.72E-05	3.75E-06	1.46E-04	1.74E-05	1.50E-05	1.27E-06
2963	438387.52	3724494.07	1.40E-04	3.05E-05	2.77E-05	3.83E-06	1.49E-04	1.78E-05	1.54E-05	1.30E-06
2964	438393.73	3724501.04	1.43E-04	3.11E-05	2.83E-05	3.90E-06	1.52E-04	1.81E-05	1.56E-05	1.32E-06
2965	438399.94	3724508.01	1.46E-04	3.17E-05	2.88E-05	3.98E-06	1.55E-04	1.85E-05	1.60E-05	1.35E-06
2966	438406.16	3724514.97	1.49E-04	3.23E-05	2.93E-05	4.05E-06	1.58E-04	1.88E-05	1.62E-05	1.37E-06
2967	438412.37	3724521.94	1.51E-04	3.29E-05	2.99E-05	4.13E-06	1.61E-04	1.91E-05	1.65E-05	1.40E-06
2968	438418.58	3724528.91	1.54E-04	3.34E-05	3.04E-05	4.20E-06	1.64E-04	1.95E-05	1.68E-05	1.42E-06
2969	438424.79	3724535.87	1.57E-04	3.41E-05	3.10E-05	4.28E-06	1.66E-04	1.98E-05	1.71E-05	1.45E-06
2970	438431	3724542.84	1.60E-04	3.47E-05	3.15E-05	4.35E-06	1.69E-04	2.02E-05	1.75E-05	1.48E-06
2971	438437.22	3724549.81	1.62E-04	3.52E-05	3.20E-05	4.42E-06	1.72E-04	2.05E-05	1.77E-05	1.50E-06
2972	438443.43	3724556.77	1.65E-04	3.58E-05	3.25E-05	4.50E-06	1.75E-04	2.09E-05	1.80E-05	1.52E-06
2973	438449.64	3724563.74	1.67E-04	3.64E-05	3.31E-05	4.57E-06	1.78E-04	2.12E-05	1.83E-05	1.55E-06
2974	438455.85	3724570.7	1.70E-04	3.70E-05	3.36E-05	4.65E-06	1.81E-04	2.16E-05	1.86E-05	1.57E-06
2975	438462.06	3724577.67	1.73E-04	3.76E-05	3.42E-05	4.72E-06	1.84E-04	2.19E-05	1.89E-05	1.60E-06
2976	438468.28	3724584.64	1.76E-04	3.81E-05	3.47E-05	4.79E-06	1.86E-04	2.22E-05	1.92E-05	1.62E-06
2977	438474.49	3724591.6	1.78E-04	3.87E-05	3.52E-05	4.86E-06	1.89E-04	2.25E-05	1.95E-05	1.65E-06
2978	438480.7	3724598.57	1.81E-04	3.92E-05	3.57E-05	4.93E-06	1.92E-04	2.29E-05	1.97E-05	1.67E-06
2979	438486.91	3724605.54	1.83E-04	3.97E-05	3.61E-05	4.99E-06	1.94E-04	2.32E-05	2.00E-05	1.69E-06
2980	438493.12	3724612.5	1.85E-04	4.03E-05	3.66E-05	5.06E-06	1.97E-04	2.35E-05	2.03E-05	1.71E-06
2981	438319.19	3724417.44	1.11E-04	2.41E-05	2.19E-05	3.03E-06	1.18E-04	1.41E-05	1.21E-05	1.03E-06
2982	438311.43	3724412.11	1.09E-04	2.37E-05	2.15E-05	2.97E-06	1.16E-04	1.38E-05	1.19E-05	1.01E-06
2983	438303.68	3724406.78	1.07E-04	2.33E-05	2.11E-05	2.92E-06	1.14E-04	1.36E-05	1.17E-05	9.90E-07
2984	438295.92	3724401.45	1.05E-04	2.28E-05	2.07E-05	2.87E-06	1.12E-04	1.33E-05	1.15E-05	9.71E-07
2985	438288.17	3724396.12	1.03E-04	2.24E-05	2.03E-05	2.81E-06	1.09E-04	1.30E-05	1.13E-05	9.53E-07
2986	438280.41	3724390.79	1.01E-04	2.19E-05	1.99E-05	2.75E-06	1.07E-04	1.28E-05	1.10E-05	9.34E-07
2987	438272.66	3724385.46	9.89E-05	2.15E-05	1.95E-05	2.70E-06	1.05E-04	1.25E-05	1.08E-05	9.15E-07
2988	438264.9	3724380.12	9.69E-05	2.11E-05	1.91E-05	2.64E-06	1.03E-04	1.23E-05	1.06E-05	8.96E-07
2989	438257.15	3724374.79	9.49E-05	2.06E-05	1.87E-05	2.59E-06	1.01E-04	1.20E-05	1.04E-05	8.78E-07
2990	438089.2	3724598.65	1.55E-04	3.37E-05	3.07E-05	4.24E-06	1.65E-04	1.97E-05	1.70E-05	1.44E-06
2991	438112.54	3724566.16	1.43E-04	3.11E-05	2.82E-05	3.90E-06	1.52E-04	1.81E-05	1.56E-05	1.32E-06
2992	438098.24	3724555.89	1.34E-04	2.92E-05	2.65E-05	3.67E-06	1.43E-04	1.70E-05	1.47E-05	1.24E-06
2993	438083.93	3724545.61	1.25E-04	2.72E-05	2.47E-05	3.42E-06	1.33E-04	1.59E-05	1.37E-05	1.16E-06
2994	438135.87	3724533.67	1.33E-04	2.88E-05	2.62E-05	3.62E-06	1.41E-04	1.68E-05	1.45E-05	1.23E-06
2995	438121.57	3724523.4	1.25E-04	2.72E-05	2.47E-05	3.41E-06	1.33E-04	1.58E-05	1.37E-05	1.16E-06
2996	438107.27	3724513.12	1.18E-04	2.56E-05	2.32E-05	3.21E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
2997	438159.21	3724501.18	1.24E-04	2.69E-05	2.44E-05	3.38E-06	1.31E-04	1.57E-05	1.35E-05	1.14E-06
2998	438144.9	3724490.91	1.17E-04	2.54E-05	2.31E-05	3.19E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
2999	438130.6	3724480.64	1.11E-04	2.41E-05	2.19E-05	3.02E-06	1.18E-04	1.40E-05	1.21E-05	1.02E-06
3000	438175.39	3724463.56	1.13E-04	2.45E-05	2.23E-05	3.08E-06	1.20E-04	1.43E-05	1.24E-05	1.04E-06
3001	438161.09	3724453.28	1.07E-04	2.33E-05	2.12E-05	2.92E-06	1.14E-04	1.36E-05	1.17E-05	9.91E-07
3002	438146.79	3724443.01	1.01E-04	2.20E-05	2.00E-05	2.77E-06	1.08E-04	1.28E-05	1.11E-05	9.38E-07
3003	438198.72	3724431.07	1.07E-04	2.32E-05	2.11E-05	2.92E-06	1.14E-04	1.35E-05	1.17E-05	9.88E-07
3004	438184.42	3724420.79	1.02E-04	2.21E-05	2.01E-05	2.77E-06	1.08E-04	1.29E-05	1.11E-05	9.39E-07
3005	438170.12	3724410.52	9.62E-05	2.09E-05	1.90E-05	2.63E-06	1.02E-04	1.22E-05	1.05E-05	8.90E-07
3006	438245.39	3724366.09	9.16E-05	1.99E-05	1.81E-05	2.50E-06	9.73E-05	1.16E-05	1.00E-05	8.47E-07
3007	438231.09	3724355.82	8.78E-05	1.91E-05	1.73E-05	2.40E-06	9.33E-05	1.11E-05	9.60E-06	8.12E-07
3008	438216.79	3724345.54	8.40E-05	1.83E-05	1.66E-05	2.29E-06	8.92E-05	1.06E-05	9.19E-06	7.77E-07
3009	437513.6	3724656.1	5.72E-05	1.24E-05	1.13E-05	1.56E-06	6.08E-05	7.24E-06	6.26E-06	5.29E-07
3010	437530.16	3724649.27	5.54E-05	1.20E-05	1.09E-05	1.51E-06	5.88E-05	7.02E-06	6.06E-06	5.12E-07
3011	437546.71	3724642.44	5.40E-05	1.17E-05	1.07E-05	1.47E-06	5.74E-05	6.84E-06	5.91E-06	4.99E-07
3012	437563.27	3724635.61	5.30E-05	1.15E-05	1.05E-05	1.45E-06	5.63E-05	6.71E-06	5.80E-06	4.90E-07

3013	437647.63	3724631.11	5.19E-05	1.13E-05	1.03E-05	1.42E-06	5.52E-05	6.58E-06	5.68E-06	4.80E-07
3014	437664.82	3724636.14	5.58E-05	1.21E-05	1.10E-05	1.52E-06	5.93E-05	7.07E-06	6.11E-06	5.16E-07
3015	437456.75	3724648.95	5.91E-05	1.28E-05	1.17E-05	1.61E-06	6.27E-05	7.48E-06	6.46E-06	5.46E-07
3016	437473.01	3724642.24	5.64E-05	1.22E-05	1.11E-05	1.54E-06	5.99E-05	7.14E-06	6.17E-06	5.21E-07
3017	437489.27	3724635.53	5.40E-05	1.17E-05	1.07E-05	1.47E-06	5.74E-05	6.84E-06	5.91E-06	4.99E-07
3018	437505.52	3724628.82	5.20E-05	1.13E-05	1.03E-05	1.42E-06	5.52E-05	6.58E-06	5.69E-06	4.81E-07
3019	437521.78	3724622.11	5.03E-05	1.09E-05	9.94E-06	1.37E-06	5.35E-05	6.37E-06	5.51E-06	4.66E-07
3020	437538.04	3724615.4	4.90E-05	1.07E-05	9.68E-06	1.34E-06	5.21E-05	6.21E-06	5.36E-06	4.54E-07
3021	437554.29	3724608.7	4.81E-05	1.04E-05	9.49E-06	1.31E-06	5.10E-05	6.09E-06	5.26E-06	4.44E-07
3022	437611.5	3724591.04	4.32E-05	9.38E-06	8.53E-06	1.18E-06	4.59E-05	5.47E-06	4.73E-06	3.99E-07
3023	437628.38	3724595.98	4.43E-05	9.63E-06	8.75E-06	1.21E-06	4.71E-05	5.61E-06	4.85E-06	4.10E-07
3024	437645.26	3724600.92	4.59E-05	9.98E-06	9.07E-06	1.25E-06	4.88E-05	5.81E-06	5.02E-06	4.25E-07
3025	437662.14	3724605.86	4.91E-05	1.07E-05	9.69E-06	1.34E-06	5.21E-05	6.21E-06	5.37E-06	4.54E-07
3026	437679.01	3724610.8	5.34E-05	1.16E-05	1.05E-05	1.46E-06	5.67E-05	6.76E-06	5.84E-06	4.94E-07
3027	437695.89	3724615.74	5.78E-05	1.26E-05	1.14E-05	1.58E-06	6.14E-05	7.32E-06	6.33E-06	5.35E-07
3028	437712.77	3724620.68	6.28E-05	1.37E-05	1.24E-05	1.71E-06	6.68E-05	7.96E-06	6.87E-06	5.81E-07
3029	437388.89	3724646.33	6.49E-05	1.41E-05	1.28E-05	1.77E-06	6.89E-05	8.22E-06	7.10E-06	6.00E-07
3030	437405.24	3724639.59	6.16E-05	1.34E-05	1.22E-05	1.68E-06	6.55E-05	7.80E-06	6.74E-06	5.70E-07
3031	437421.59	3724632.84	5.85E-05	1.27E-05	1.16E-05	1.60E-06	6.22E-05	7.41E-06	6.40E-06	5.41E-07
3032	437437.95	3724626.09	5.56E-05	1.21E-05	1.10E-05	1.52E-06	5.91E-05	7.05E-06	6.09E-06	5.15E-07
3033	437454.3	3724619.34	5.30E-05	1.15E-05	1.05E-05	1.45E-06	5.63E-05	6.71E-06	5.80E-06	4.90E-07
3034	437470.65	3724612.6	5.07E-05	1.10E-05	1.00E-05	1.38E-06	5.38E-05	6.42E-06	5.54E-06	4.69E-07
3035	437487	3724605.85	4.86E-05	1.06E-05	9.61E-06	1.33E-06	5.17E-05	6.16E-06	5.32E-06	4.50E-07
3036	437503.35	3724599.1	4.69E-05	1.02E-05	9.27E-06	1.28E-06	4.99E-05	5.94E-06	5.13E-06	4.34E-07
3037	437519.7	3724592.35	4.55E-05	9.89E-06	8.99E-06	1.24E-06	4.84E-05	5.77E-06	4.98E-06	4.21E-07
3038	437536.06	3724585.6	4.44E-05	9.65E-06	8.77E-06	1.21E-06	4.72E-05	5.62E-06	4.86E-06	4.11E-07
3039	437585.11	3724565.36	3.89E-05	8.44E-06	7.68E-06	1.06E-06	4.13E-05	4.92E-06	4.25E-06	3.59E-07
3040	437609.95	3724561.1	3.84E-05	8.34E-06	7.58E-06	1.05E-06	4.08E-05	4.86E-06	4.20E-06	3.55E-07
3041	437626.93	3724566.07	4.00E-05	8.70E-06	7.91E-06	1.09E-06	4.25E-05	5.07E-06	4.38E-06	3.70E-07
3042	437643.91	3724571.04	4.18E-05	9.09E-06	8.26E-06	1.14E-06	4.44E-05	5.30E-06	4.58E-06	3.87E-07
3043	437660.88	3724576.01	4.45E-05	9.67E-06	8.79E-06	1.21E-06	4.73E-05	5.64E-06	4.87E-06	4.12E-07
3044	437677.86	3724580.98	4.83E-05	1.05E-05	9.53E-06	1.32E-06	5.13E-05	6.11E-06	5.28E-06	4.46E-07
3045	437694.84	3724585.95	5.23E-05	1.14E-05	1.03E-05	1.43E-06	5.55E-05	6.62E-06	5.72E-06	4.84E-07
3046	437711.81	3724590.92	5.68E-05	1.23E-05	1.12E-05	1.55E-06	6.03E-05	7.19E-06	6.22E-06	5.25E-07
3047	437728.79	3724595.89	6.20E-05	1.35E-05	1.22E-05	1.69E-06	6.58E-05	7.85E-06	6.78E-06	5.73E-07
3048	437745.77	3724600.85	6.80E-05	1.48E-05	1.34E-05	1.85E-06	7.22E-05	8.60E-06	7.43E-06	6.29E-07
3049	437762.74	3724605.82	7.47E-05	1.62E-05	1.48E-05	2.04E-06	7.94E-05	9.46E-06	8.17E-06	6.91E-07
3050	437779.72	3724610.79	8.23E-05	1.79E-05	1.63E-05	2.25E-06	8.74E-05	1.04E-05	9.00E-06	7.61E-07
3051	437796.7	3724615.76	9.11E-05	1.98E-05	1.80E-05	2.49E-06	9.68E-05	1.15E-05	9.97E-06	8.43E-07
3052	437813.68	3724620.73	1.01E-04	2.20E-05	2.00E-05	2.76E-06	1.07E-04	1.28E-05	1.11E-05	9.36E-07
3053	437362.23	3724616.51	6.05E-05	1.31E-05	1.20E-05	1.65E-06	6.43E-05	7.66E-06	6.62E-06	5.60E-07
3054	437378.58	3724609.77	5.75E-05	1.25E-05	1.14E-05	1.57E-06	6.11E-05	7.29E-06	6.29E-06	5.32E-07
3055	437394.94	3724603.02	5.47E-05	1.19E-05	1.08E-05	1.49E-06	5.81E-05	6.93E-06	5.99E-06	5.06E-07
3056	437411.29	3724596.27	5.20E-05	1.13E-05	1.03E-05	1.42E-06	5.53E-05	6.59E-06	5.69E-06	4.81E-07
3057	437427.64	3724589.52	4.96E-05	1.08E-05	9.79E-06	1.35E-06	5.26E-05	6.28E-06	5.42E-06	4.58E-07
3058	437443.99	3724582.77	4.73E-05	1.03E-05	9.35E-06	1.29E-06	5.03E-05	5.99E-06	5.18E-06	4.38E-07
3059	437460.34	3724576.03	4.53E-05	9.84E-06	8.94E-06	1.24E-06	4.81E-05	5.73E-06	4.95E-06	4.19E-07
3060	437476.69	3724569.28	4.35E-05	9.45E-06	8.59E-06	1.19E-06	4.62E-05	5.51E-06	4.76E-06	4.02E-07
3061	437493.05	3724562.53	4.20E-05	9.12E-06	8.29E-06	1.15E-06	4.46E-05	5.32E-06	4.59E-06	3.88E-07
3062	437509.4	3724555.78	4.07E-05	8.83E-06	8.03E-06	1.11E-06	4.32E-05	5.15E-06	4.45E-06	3.76E-07
3063	437558.45	3724535.54	3.70E-05	8.04E-06	7.31E-06	1.01E-06	3.93E-05	4.69E-06	4.05E-06	3.42E-07
3064	437574.8	3724528.79	3.45E-05	7.49E-06	6.81E-06	9.41E-07	3.66E-05	4.37E-06	3.77E-06	3.19E-07
3065	437591.16	3724522.04	3.32E-05	7.22E-06	6.56E-06	9.06E-07	3.53E-05	4.21E-06	3.63E-06	3.07E-07
3066	437607.82	3724521.15	3.39E-05	7.36E-06	6.69E-06	9.24E-07	3.60E-05	4.29E-06	3.70E-06	3.13E-07
3067	437624.8	3724526.12	3.53E-05	7.66E-06	6.97E-06	9.62E-07	3.75E-05	4.47E-06	3.86E-06	3.26E-07
3068	437641.77	3724531.09	3.72E-05	8.07E-06	7.34E-06	1.01E-06	3.95E-05	4.71E-06	4.07E-06	3.44E-07
3069	437658.75	3724536.06	3.95E-05	8.59E-06	7.81E-06	1.08E-06	4.20E-05	5.01E-06	4.33E-06	3.66E-07
3070	437675.73	3724541.03	4.25E-05	9.23E-06	8.39E-06	1.16E-06	4.51E-05	5.38E-06	4.65E-06	3.93E-07

3071	437692.71	3724546	4.58E-05	9.96E-06	9.05E-06	1.25E-06	4.87E-05	5.80E-06	5.01E-06	4.24E-07
3072	437709.68	3724550.97	4.98E-05	1.08E-05	9.83E-06	1.36E-06	5.29E-05	6.30E-06	5.44E-06	4.60E-07
3073	437726.66	3724555.94	5.37E-05	1.17E-05	1.06E-05	1.47E-06	5.70E-05	6.80E-06	5.87E-06	4.97E-07
3074	437743.64	3724560.91	5.82E-05	1.27E-05	1.15E-05	1.59E-06	6.18E-05	7.37E-06	6.37E-06	5.39E-07
3075	437760.61	3724565.88	6.35E-05	1.38E-05	1.25E-05	1.73E-06	6.75E-05	8.04E-06	6.95E-06	5.88E-07
3076	437777.59	3724570.85	6.91E-05	1.50E-05	1.37E-05	1.89E-06	7.34E-05	8.75E-06	7.56E-06	6.39E-07
3077	437794.57	3724575.82	7.50E-05	1.63E-05	1.48E-05	2.05E-06	7.97E-05	9.50E-06	8.21E-06	6.94E-07
3078	437811.54	3724580.79	8.21E-05	1.78E-05	1.62E-05	2.24E-06	8.72E-05	1.04E-05	8.98E-06	7.59E-07
3079	437828.52	3724585.76	9.00E-05	1.96E-05	1.78E-05	2.46E-06	9.56E-05	1.14E-05	9.85E-06	8.33E-07
3080	437335.57	3724586.69	5.67E-05	1.23E-05	1.12E-05	1.55E-06	6.02E-05	7.18E-06	6.20E-06	5.25E-07
3081	437351.92	3724579.94	5.40E-05	1.17E-05	1.07E-05	1.47E-06	5.74E-05	6.84E-06	5.91E-06	5.00E-07
3082	437368.28	3724573.2	5.15E-05	1.12E-05	1.02E-05	1.40E-06	5.47E-05	6.52E-06	5.63E-06	4.76E-07
3083	437384.63	3724566.45	4.90E-05	1.06E-05	9.67E-06	1.34E-06	5.20E-05	6.20E-06	5.36E-06	4.53E-07
3084	437400.98	3724559.7	4.67E-05	1.01E-05	9.22E-06	1.27E-06	4.96E-05	5.91E-06	5.11E-06	4.32E-07
3085	437417.33	3724552.95	4.46E-05	9.68E-06	8.80E-06	1.22E-06	4.73E-05	5.64E-06	4.87E-06	4.12E-07
3086	437433.68	3724546.2	4.26E-05	9.25E-06	8.41E-06	1.16E-06	4.52E-05	5.39E-06	4.66E-06	3.94E-07
3087	437450.04	3724539.46	4.08E-05	8.87E-06	8.06E-06	1.11E-06	4.34E-05	5.17E-06	4.46E-06	3.77E-07
3088	437466.39	3724532.71	3.92E-05	8.52E-06	7.74E-06	1.07E-06	4.16E-05	4.96E-06	4.29E-06	3.63E-07
3089	437482.74	3724525.96	3.78E-05	8.22E-06	7.47E-06	1.03E-06	4.02E-05	4.79E-06	4.14E-06	3.50E-07
3090	437580.85	3724485.47	3.11E-05	6.75E-06	6.14E-06	8.48E-07	3.30E-05	3.94E-06	3.40E-06	2.87E-07
3091	437605.69	3724481.21	3.11E-05	6.75E-06	6.14E-06	8.48E-07	3.30E-05	3.94E-06	3.40E-06	2.87E-07
3092	437622.67	3724486.18	3.22E-05	6.99E-06	6.35E-06	8.77E-07	3.42E-05	4.07E-06	3.52E-06	2.97E-07
3093	437639.64	3724491.15	3.36E-05	7.30E-06	6.64E-06	9.17E-07	3.57E-05	4.26E-06	3.68E-06	3.11E-07
3094	437656.62	3724496.12	3.55E-05	7.70E-06	7.00E-06	9.67E-07	3.77E-05	4.49E-06	3.88E-06	3.28E-07
3095	437673.6	3724501.09	3.78E-05	8.22E-06	7.47E-06	1.03E-06	4.02E-05	4.79E-06	4.14E-06	3.50E-07
3096	437690.57	3724506.06	4.07E-05	8.83E-06	8.03E-06	1.11E-06	4.32E-05	5.15E-06	4.45E-06	3.76E-07
3097	437707.55	3724511.03	4.40E-05	9.55E-06	8.68E-06	1.20E-06	4.67E-05	5.57E-06	4.81E-06	4.07E-07
3098	437724.53	3724516	4.75E-05	1.03E-05	9.39E-06	1.30E-06	5.05E-05	6.02E-06	5.20E-06	4.40E-07
3099	437741.51	3724520.97	5.13E-05	1.11E-05	1.01E-05	1.40E-06	5.45E-05	6.49E-06	5.61E-06	4.74E-07
3100	437758.48	3724525.94	5.51E-05	1.20E-05	1.09E-05	1.50E-06	5.85E-05	6.98E-06	6.03E-06	5.10E-07
3101	437775.46	3724530.91	5.95E-05	1.29E-05	1.17E-05	1.62E-06	6.32E-05	7.53E-06	6.51E-06	5.50E-07
3102	437210.8	3724597.36	6.75E-05	1.47E-05	1.33E-05	1.84E-06	7.17E-05	8.55E-06	7.39E-06	6.24E-07
3103	437227.16	3724590.61	6.54E-05	1.42E-05	1.29E-05	1.78E-06	6.94E-05	8.28E-06	7.15E-06	6.05E-07
3104	437243.51	3724583.86	6.31E-05	1.37E-05	1.25E-05	1.72E-06	6.70E-05	7.99E-06	6.90E-06	5.84E-07
3105	437259.86	3724577.11	6.08E-05	1.32E-05	1.20E-05	1.66E-06	6.45E-05	7.69E-06	6.65E-06	5.62E-07
3106	437276.21	3724570.37	5.83E-05	1.27E-05	1.15E-05	1.59E-06	6.20E-05	7.38E-06	6.38E-06	5.39E-07
3107	437292.56	3724563.62	5.59E-05	1.21E-05	1.10E-05	1.52E-06	5.94E-05	7.08E-06	6.11E-06	5.17E-07
3108	437308.91	3724556.87	5.35E-05	1.16E-05	1.06E-05	1.46E-06	5.68E-05	6.77E-06	5.85E-06	4.94E-07
3109	437325.27	3724550.12	5.10E-05	1.11E-05	1.01E-05	1.39E-06	5.42E-05	6.46E-06	5.58E-06	4.72E-07
3110	437341.62	3724543.38	4.86E-05	1.06E-05	9.61E-06	1.33E-06	5.17E-05	6.16E-06	5.32E-06	4.50E-07
3111	437357.97	3724536.63	4.64E-05	1.01E-05	9.17E-06	1.27E-06	4.93E-05	5.88E-06	5.08E-06	4.29E-07
3112	437374.32	3724529.88	4.42E-05	9.61E-06	8.73E-06	1.21E-06	4.70E-05	5.60E-06	4.84E-06	4.09E-07
3113	437390.67	3724523.13	4.22E-05	9.17E-06	8.34E-06	1.15E-06	4.48E-05	5.35E-06	4.62E-06	3.91E-07
3114	437407.03	3724516.38	4.03E-05	8.76E-06	7.96E-06	1.10E-06	4.28E-05	5.11E-06	4.41E-06	3.73E-07
3115	437423.38	3724509.64	3.86E-05	8.38E-06	7.62E-06	1.05E-06	4.10E-05	4.88E-06	4.22E-06	3.57E-07
3116	437439.73	3724502.89	3.70E-05	8.04E-06	7.31E-06	1.01E-06	3.93E-05	4.69E-06	4.05E-06	3.42E-07
3117	437570.54	3724448.9	2.82E-05	6.12E-06	5.56E-06	7.68E-07	2.99E-05	3.57E-06	3.08E-06	2.60E-07
3118	437586.89	3724442.16	2.78E-05	6.04E-06	5.50E-06	7.59E-07	2.96E-05	3.52E-06	3.04E-06	2.57E-07
3119	437603.56	3724441.27	2.84E-05	6.16E-06	5.60E-06	7.74E-07	3.01E-05	3.59E-06	3.10E-06	2.62E-07
3120	437620.54	3724446.24	2.95E-05	6.40E-06	5.82E-06	8.04E-07	3.13E-05	3.73E-06	3.22E-06	2.73E-07
3121	437637.51	3724451.21	3.08E-05	6.69E-06	6.08E-06	8.40E-07	3.27E-05	3.90E-06	3.37E-06	2.85E-07
3122	437654.49	3724456.18	3.23E-05	7.03E-06	6.39E-06	8.83E-07	3.44E-05	4.10E-06	3.54E-06	2.99E-07
3123	437671.47	3724461.15	3.42E-05	7.43E-06	6.75E-06	9.33E-07	3.63E-05	4.33E-06	3.74E-06	3.16E-07
3124	437688.44	3724466.12	3.64E-05	7.92E-06	7.20E-06	9.94E-07	3.87E-05	4.61E-06	3.99E-06	3.37E-07
3125	437705.42	3724471.09	3.92E-05	8.51E-06	7.73E-06	1.07E-06	4.16E-05	4.96E-06	4.28E-06	3.62E-07
3126	437722.4	3724476.06	4.18E-05	9.09E-06	8.26E-06	1.14E-06	4.44E-05	5.30E-06	4.58E-06	3.87E-07
3127	437739.37	3724481.03	4.48E-05	9.73E-06	8.85E-06	1.22E-06	4.76E-05	5.67E-06	4.90E-06	4.14E-07
3128	437841.24	3724510.84	6.58E-05	1.43E-05	1.30E-05	1.80E-06	6.99E-05	8.33E-06	7.20E-06	6.09E-07

3129	437858.21	3724515.81	7.05E-05	1.53E-05	1.39E-05	1.92E-06	7.49E-05	8.93E-06	7.72E-06	6.52E-07
3130	437200.5	3724560.79	6.11E-05	1.33E-05	1.21E-05	1.67E-06	6.49E-05	7.74E-06	6.69E-06	5.66E-07
3131	437216.85	3724554.04	5.91E-05	1.29E-05	1.17E-05	1.61E-06	6.28E-05	7.49E-06	6.47E-06	5.47E-07
3132	437233.2	3724547.29	5.71E-05	1.24E-05	1.13E-05	1.56E-06	6.06E-05	7.22E-06	6.24E-06	5.28E-07
3133	437249.55	3724540.55	5.49E-05	1.19E-05	1.08E-05	1.50E-06	5.83E-05	6.95E-06	6.01E-06	5.08E-07
3134	437265.9	3724533.8	5.27E-05	1.15E-05	1.04E-05	1.44E-06	5.60E-05	6.68E-06	5.77E-06	4.88E-07
3135	437282.26	3724527.05	5.05E-05	1.10E-05	9.98E-06	1.38E-06	5.37E-05	6.40E-06	5.53E-06	4.67E-07
3136	437298.61	3724520.3	4.84E-05	1.05E-05	9.55E-06	1.32E-06	5.14E-05	6.12E-06	5.29E-06	4.47E-07
3137	437314.96	3724513.55	4.62E-05	1.00E-05	9.13E-06	1.26E-06	4.91E-05	5.85E-06	5.06E-06	4.27E-07
3138	437331.31	3724506.81	4.41E-05	9.59E-06	8.71E-06	1.20E-06	4.69E-05	5.59E-06	4.83E-06	4.08E-07
3139	437347.66	3724500.06	4.21E-05	9.15E-06	8.32E-06	1.15E-06	4.47E-05	5.33E-06	4.61E-06	3.90E-07
3140	437364.01	3724493.31	4.02E-05	8.73E-06	7.94E-06	1.10E-06	4.27E-05	5.09E-06	4.40E-06	3.72E-07
3141	437380.37	3724486.56	3.84E-05	8.35E-06	7.59E-06	1.05E-06	4.08E-05	4.87E-06	4.20E-06	3.55E-07
3142	437396.72	3724479.81	3.67E-05	7.98E-06	7.25E-06	1.00E-06	3.90E-05	4.65E-06	4.02E-06	3.40E-07
3143	437413.07	3724473.07	3.52E-05	7.65E-06	6.96E-06	9.61E-07	3.74E-05	4.46E-06	3.85E-06	3.26E-07
3144	437511.18	3724432.58	2.69E-05	5.83E-06	5.30E-06	7.33E-07	2.85E-05	3.40E-06	2.94E-06	2.48E-07
3145	437527.53	3724425.83	2.60E-05	5.65E-06	5.14E-06	7.10E-07	2.76E-05	3.30E-06	2.85E-06	2.41E-07
3146	437543.88	3724419.08	2.56E-05	5.56E-06	5.05E-06	6.98E-07	2.72E-05	3.24E-06	2.80E-06	2.37E-07
3147	437560.24	3724412.34	2.53E-05	5.50E-06	5.00E-06	6.90E-07	2.69E-05	3.20E-06	2.77E-06	2.34E-07
3148	437576.59	3724405.59	2.52E-05	5.48E-06	4.99E-06	6.89E-07	2.68E-05	3.20E-06	2.76E-06	2.33E-07
3149	437601.43	3724401.32	2.58E-05	5.61E-06	5.10E-06	7.05E-07	2.74E-05	3.27E-06	2.83E-06	2.39E-07
3150	437618.4	3724406.29	2.69E-05	5.83E-06	5.30E-06	7.33E-07	2.85E-05	3.40E-06	2.94E-06	2.48E-07
3151	437635.38	3724411.26	2.80E-05	6.08E-06	5.52E-06	7.63E-07	2.97E-05	3.54E-06	3.06E-06	2.59E-07
3152	437652.36	3724416.23	2.93E-05	6.37E-06	5.79E-06	8.00E-07	3.12E-05	3.71E-06	3.21E-06	2.71E-07
3153	437669.34	3724421.2	3.08E-05	6.70E-06	6.09E-06	8.41E-07	3.28E-05	3.90E-06	3.37E-06	2.85E-07
3154	437686.31	3724426.17	3.27E-05	7.10E-06	6.46E-06	8.92E-07	3.47E-05	4.14E-06	3.58E-06	3.02E-07
3155	437703.29	3724431.14	3.47E-05	7.55E-06	6.86E-06	9.48E-07	3.69E-05	4.40E-06	3.80E-06	3.21E-07
3156	437805.15	3724460.96	4.92E-05	1.07E-05	9.71E-06	1.34E-06	5.22E-05	6.23E-06	5.38E-06	4.55E-07
3157	437822.13	3724465.93	5.25E-05	1.14E-05	1.04E-05	1.43E-06	5.58E-05	6.65E-06	5.74E-06	4.85E-07
3158	437839.1	3724470.9	5.61E-05	1.22E-05	1.11E-05	1.53E-06	5.96E-05	7.10E-06	6.14E-06	5.19E-07
3159	437856.08	3724475.87	5.99E-05	1.30E-05	1.18E-05	1.63E-06	6.36E-05	7.58E-06	6.55E-06	5.54E-07
3160	437873.06	3724480.84	6.34E-05	1.38E-05	1.25E-05	1.73E-06	6.74E-05	8.03E-06	6.94E-06	5.87E-07
3161	437890.04	3724485.81	6.71E-05	1.46E-05	1.33E-05	1.83E-06	7.13E-05	8.50E-06	7.34E-06	6.21E-07
3162	438042.83	3724530.54	1.10E-04	2.39E-05	2.17E-05	3.00E-06	1.17E-04	1.39E-05	1.20E-05	1.02E-06
3163	438059.81	3724535.51	1.15E-04	2.51E-05	2.28E-05	3.15E-06	1.23E-04	1.46E-05	1.26E-05	1.07E-06
3164	437206.54	3724517.47	5.38E-05	1.17E-05	1.06E-05	1.47E-06	5.71E-05	6.81E-06	5.89E-06	4.98E-07
3165	437222.89	3724510.72	5.19E-05	1.13E-05	1.03E-05	1.42E-06	5.51E-05	6.57E-06	5.68E-06	4.80E-07
3166	437239.25	3724503.98	4.99E-05	1.08E-05	9.86E-06	1.36E-06	5.30E-05	6.32E-06	5.46E-06	4.62E-07
3167	437255.6	3724497.23	4.80E-05	1.04E-05	9.47E-06	1.31E-06	5.09E-05	6.07E-06	5.25E-06	4.44E-07
3168	437271.95	3724490.48	4.60E-05	9.99E-06	9.08E-06	1.25E-06	4.88E-05	5.82E-06	5.03E-06	4.25E-07
3169	437288.3	3724483.73	4.40E-05	9.56E-06	8.69E-06	1.20E-06	4.68E-05	5.57E-06	4.82E-06	4.07E-07
3170	437304.65	3724476.98	4.21E-05	9.14E-06	8.31E-06	1.15E-06	4.47E-05	5.33E-06	4.60E-06	3.89E-07
3171	437321	3724470.24	4.02E-05	8.74E-06	7.95E-06	1.10E-06	4.27E-05	5.09E-06	4.40E-06	3.72E-07
3172	437337.36	3724463.49	3.85E-05	8.36E-06	7.60E-06	1.05E-06	4.09E-05	4.87E-06	4.21E-06	3.56E-07
3173	437353.71	3724456.74	3.68E-05	7.99E-06	7.26E-06	1.00E-06	3.91E-05	4.66E-06	4.02E-06	3.40E-07
3174	437370.06	3724449.99	3.52E-05	7.64E-06	6.95E-06	9.60E-07	3.74E-05	4.45E-06	3.85E-06	3.25E-07
3175	437386.41	3724443.25	3.37E-05	7.32E-06	6.66E-06	9.20E-07	3.58E-05	4.27E-06	3.69E-06	3.12E-07
3176	437484.52	3724402.76	2.56E-05	5.57E-06	5.06E-06	6.99E-07	2.72E-05	3.25E-06	2.80E-06	2.37E-07
3177	437500.87	3724396.01	2.46E-05	5.34E-06	4.85E-06	6.70E-07	2.61E-05	3.11E-06	2.69E-06	2.27E-07
3178	437517.23	3724389.26	2.39E-05	5.20E-06	4.73E-06	6.53E-07	2.54E-05	3.03E-06	2.62E-06	2.21E-07
3179	437533.58	3724382.51	2.34E-05	5.08E-06	4.62E-06	6.38E-07	2.49E-05	2.96E-06	2.56E-06	2.16E-07
3180	437549.93	3724375.77	2.32E-05	5.04E-06	4.58E-06	6.33E-07	2.46E-05	2.94E-06	2.54E-06	2.15E-07
3181	437566.28	3724369.02	2.32E-05	5.03E-06	4.57E-06	6.32E-07	2.46E-05	2.93E-06	2.53E-06	2.14E-07
3182	437582.63	3724362.27	2.33E-05	5.05E-06	4.59E-06	6.34E-07	2.47E-05	2.94E-06	2.54E-06	2.15E-07
3183	437599.3	3724361.38	2.37E-05	5.15E-06	4.68E-06	6.46E-07	2.52E-05	3.00E-06	2.59E-06	2.19E-07
3184	437616.27	3724366.35	2.46E-05	5.34E-06	4.85E-06	6.70E-07	2.61E-05	3.11E-06	2.69E-06	2.27E-07
3185	437633.25	3724371.32	2.55E-05	5.54E-06	5.03E-06	6.95E-07	2.71E-05	3.23E-06	2.79E-06	2.36E-07
3186	437650.23	3724376.29	2.66E-05	5.78E-06	5.26E-06	7.26E-07	2.83E-05	3.37E-06	2.91E-06	2.46E-07

3187	437667.2	3724381.26	2.78E-05	6.03E-06	5.49E-06	7.58E-07	2.95E-05	3.52E-06	3.04E-06	2.57E-07
3188	437684.18	3724386.23	2.91E-05	6.32E-06	5.75E-06	7.94E-07	3.09E-05	3.68E-06	3.18E-06	2.69E-07
3189	437769.07	3724411.08	3.78E-05	8.21E-06	7.46E-06	1.03E-06	4.01E-05	4.79E-06	4.13E-06	3.50E-07
3190	437786.04	3724416.05	4.01E-05	8.71E-06	7.92E-06	1.09E-06	4.26E-05	5.08E-06	4.38E-06	3.71E-07
3191	437803.02	3724421.02	4.26E-05	9.25E-06	8.41E-06	1.16E-06	4.52E-05	5.39E-06	4.66E-06	3.94E-07
3192	437820	3724425.99	4.53E-05	9.85E-06	8.95E-06	1.24E-06	4.82E-05	5.74E-06	4.96E-06	4.19E-07
3193	437836.97	3724430.96	4.83E-05	1.05E-05	9.53E-06	1.32E-06	5.13E-05	6.11E-06	5.28E-06	4.46E-07
3194	437853.95	3724435.93	5.13E-05	1.11E-05	1.01E-05	1.40E-06	5.45E-05	6.49E-06	5.61E-06	4.74E-07
3195	437870.93	3724440.9	5.43E-05	1.18E-05	1.07E-05	1.48E-06	5.77E-05	6.87E-06	5.94E-06	5.02E-07
3196	437887.9	3724445.87	5.73E-05	1.24E-05	1.13E-05	1.56E-06	6.09E-05	7.26E-06	6.27E-06	5.30E-07
3197	437904.88	3724450.84	6.07E-05	1.32E-05	1.20E-05	1.65E-06	6.44E-05	7.68E-06	6.64E-06	5.61E-07
3198	437921.86	3724455.81	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.94E-07
3199	437989.77	3724475.68	8.06E-05	1.75E-05	1.59E-05	2.20E-06	8.56E-05	1.02E-05	8.82E-06	7.45E-07
3200	438006.74	3724480.65	8.54E-05	1.86E-05	1.69E-05	2.33E-06	9.07E-05	1.08E-05	9.34E-06	7.90E-07
3201	438023.72	3724485.62	9.05E-05	1.97E-05	1.79E-05	2.47E-06	9.61E-05	1.15E-05	9.90E-06	8.37E-07
3202	438040.7	3724490.59	9.55E-05	2.08E-05	1.89E-05	2.61E-06	1.01E-04	1.21E-05	1.05E-05	8.84E-07
3203	438057.67	3724495.56	1.00E-04	2.18E-05	1.98E-05	2.74E-06	1.07E-04	1.27E-05	1.10E-05	9.29E-07
3204	438074.65	3724500.53	1.06E-04	2.29E-05	2.08E-05	2.88E-06	1.12E-04	1.34E-05	1.15E-05	9.76E-07
3205	438091.63	3724505.5	1.11E-04	2.42E-05	2.20E-05	3.04E-06	1.18E-04	1.41E-05	1.22E-05	1.03E-06
3206	437196.23	3724480.9	4.92E-05	1.07E-05	9.72E-06	1.34E-06	5.23E-05	6.23E-06	5.39E-06	4.55E-07
3207	437212.59	3724474.15	4.74E-05	1.03E-05	9.37E-06	1.29E-06	5.04E-05	6.01E-06	5.19E-06	4.39E-07
3208	437228.94	3724467.41	4.57E-05	9.92E-06	9.02E-06	1.25E-06	4.85E-05	5.78E-06	5.00E-06	4.22E-07
3209	437245.29	3724460.66	4.39E-05	9.53E-06	8.67E-06	1.20E-06	4.66E-05	5.56E-06	4.80E-06	4.06E-07
3210	437261.64	3724453.91	4.21E-05	9.14E-06	8.31E-06	1.15E-06	4.47E-05	5.33E-06	4.60E-06	3.89E-07
3211	437277.99	3724447.16	4.03E-05	8.76E-06	7.96E-06	1.10E-06	4.28E-05	5.11E-06	4.41E-06	3.73E-07
3212	437294.35	3724440.42	3.86E-05	8.38E-06	7.62E-06	1.05E-06	4.10E-05	4.88E-06	4.22E-06	3.57E-07
3213	437310.7	3724433.67	3.69E-05	8.02E-06	7.29E-06	1.01E-06	3.92E-05	4.67E-06	4.04E-06	3.41E-07
3214	437327.05	3724426.92	3.54E-05	7.68E-06	6.98E-06	9.65E-07	3.76E-05	4.48E-06	3.87E-06	3.27E-07
3215	437343.4	3724420.17	3.39E-05	7.36E-06	6.69E-06	9.24E-07	3.60E-05	4.29E-06	3.70E-06	3.13E-07
3216	437359.75	3724413.42	3.24E-05	7.04E-06	6.40E-06	8.84E-07	3.44E-05	4.10E-06	3.54E-06	3.00E-07
3217	437474.21	3724366.19	2.41E-05	5.24E-06	4.77E-06	6.58E-07	2.56E-05	3.05E-06	2.64E-06	2.23E-07
3218	437490.57	3724359.44	2.30E-05	4.99E-06	4.53E-06	6.26E-07	2.44E-05	2.91E-06	2.51E-06	2.12E-07
3219	437506.92	3724352.69	2.22E-05	4.82E-06	4.38E-06	6.05E-07	2.36E-05	2.81E-06	2.43E-06	2.05E-07
3220	437523.27	3724345.94	2.17E-05	4.72E-06	4.29E-06	5.93E-07	2.31E-05	2.75E-06	2.38E-06	2.01E-07
3221	437539.62	3724339.2	2.15E-05	4.67E-06	4.25E-06	5.87E-07	2.28E-05	2.72E-06	2.35E-06	1.99E-07
3222	437555.97	3724332.45	2.15E-05	4.66E-06	4.24E-06	5.85E-07	2.28E-05	2.72E-06	2.35E-06	1.98E-07
3223	437572.33	3724325.7	2.15E-05	4.66E-06	4.24E-06	5.85E-07	2.28E-05	2.72E-06	2.35E-06	1.98E-07
3224	437597.17	3724321.44	2.19E-05	4.76E-06	4.32E-06	5.97E-07	2.33E-05	2.77E-06	2.39E-06	2.02E-07
3225	437614.14	3724326.41	2.26E-05	4.90E-06	4.46E-06	6.16E-07	2.40E-05	2.86E-06	2.47E-06	2.09E-07
3226	437631.12	3724331.38	2.34E-05	5.08E-06	4.62E-06	6.38E-07	2.49E-05	2.96E-06	2.56E-06	2.16E-07
3227	437648.1	3724336.35	2.44E-05	5.29E-06	4.81E-06	6.65E-07	2.59E-05	3.09E-06	2.67E-06	2.25E-07
3228	437665.07	3724341.32	2.53E-05	5.51E-06	5.01E-06	6.91E-07	2.69E-05	3.21E-06	2.77E-06	2.34E-07
3229	437732.98	3724361.2	3.03E-05	6.58E-06	5.99E-06	8.27E-07	3.22E-05	3.84E-06	3.32E-06	2.80E-07
3230	437749.96	3724366.17	3.19E-05	6.92E-06	6.29E-06	8.69E-07	3.38E-05	4.03E-06	3.49E-06	2.95E-07
3231	437766.94	3724371.14	3.35E-05	7.28E-06	6.62E-06	9.14E-07	3.56E-05	4.24E-06	3.67E-06	3.10E-07
3232	437783.91	3724376.1	3.53E-05	7.67E-06	6.97E-06	9.64E-07	3.75E-05	4.47E-06	3.86E-06	3.27E-07
3233	437800.89	3724381.07	3.73E-05	8.10E-06	7.36E-06	1.02E-06	3.96E-05	4.72E-06	4.08E-06	3.45E-07
3234	437817.87	3724386.04	3.93E-05	8.54E-06	7.76E-06	1.07E-06	4.17E-05	4.98E-06	4.30E-06	3.64E-07
3235	437834.84	3724391.01	4.16E-05	9.04E-06	8.21E-06	1.13E-06	4.42E-05	5.27E-06	4.55E-06	3.85E-07
3236	437851.82	3724395.98	4.40E-05	9.56E-06	8.69E-06	1.20E-06	4.68E-05	5.57E-06	4.82E-06	4.07E-07
3237	437868.8	3724400.95	4.66E-05	1.01E-05	9.21E-06	1.27E-06	4.96E-05	5.91E-06	5.10E-06	4.31E-07
3238	437885.77	3724405.92	4.94E-05	1.07E-05	9.75E-06	1.35E-06	5.24E-05	6.25E-06	5.40E-06	4.57E-07
3239	437902.75	3724410.89	5.22E-05	1.14E-05	1.03E-05	1.43E-06	5.55E-05	6.61E-06	5.71E-06	4.83E-07
3240	437953.68	3724425.8	6.21E-05	1.35E-05	1.23E-05	1.69E-06	6.59E-05	7.86E-06	6.79E-06	5.74E-07
3241	437970.66	3724430.77	6.62E-05	1.44E-05	1.31E-05	1.80E-06	7.03E-05	8.38E-06	7.24E-06	6.12E-07
3242	437987.64	3724435.74	7.03E-05	1.53E-05	1.39E-05	1.92E-06	7.47E-05	8.91E-06	7.69E-06	6.51E-07
3243	438004.61	3724440.71	7.47E-05	1.62E-05	1.48E-05	2.04E-06	7.94E-05	9.46E-06	8.17E-06	6.91E-07
3244	438021.59	3724445.68	7.91E-05	1.72E-05	1.56E-05	2.16E-06	8.40E-05	1.00E-05	8.65E-06	7.32E-07

3245	438038.57	3724450.65	8.36E-05	1.82E-05	1.65E-05	2.28E-06	8.88E-05	1.06E-05	9.15E-06	7.73E-07
3246	438055.54	3724455.62	8.81E-05	1.91E-05	1.74E-05	2.40E-06	9.36E-05	1.12E-05	9.64E-06	8.15E-07
3247	438072.52	3724460.59	9.27E-05	2.01E-05	1.83E-05	2.53E-06	9.85E-05	1.17E-05	1.01E-05	8.57E-07
3248	438089.5	3724465.56	9.75E-05	2.12E-05	1.93E-05	2.66E-06	1.04E-04	1.23E-05	1.07E-05	9.02E-07
3249	438106.47	3724470.53	1.02E-04	2.23E-05	2.02E-05	2.79E-06	1.09E-04	1.30E-05	1.12E-05	9.47E-07
3250	437185.93	3724444.33	4.52E-05	9.82E-06	8.93E-06	1.23E-06	4.80E-05	5.72E-06	4.94E-06	4.18E-07
3251	437202.28	3724437.59	4.36E-05	9.47E-06	8.61E-06	1.19E-06	4.63E-05	5.52E-06	4.77E-06	4.03E-07
3252	437218.63	3724430.84	4.19E-05	9.11E-06	8.28E-06	1.14E-06	4.45E-05	5.31E-06	4.59E-06	3.88E-07
3253	437234.98	3724424.09	4.03E-05	8.76E-06	7.96E-06	1.10E-06	4.28E-05	5.11E-06	4.41E-06	3.73E-07
3254	437251.33	3724417.34	3.87E-05	8.40E-06	7.64E-06	1.06E-06	4.11E-05	4.90E-06	4.23E-06	3.58E-07
3255	437267.69	3724410.59	3.71E-05	8.06E-06	7.33E-06	1.01E-06	3.94E-05	4.70E-06	4.06E-06	3.43E-07
3256	437284.04	3724403.85	3.56E-05	7.73E-06	7.02E-06	9.70E-07	3.78E-05	4.50E-06	3.89E-06	3.29E-07
3257	437300.39	3724397.1	3.40E-05	7.40E-06	6.73E-06	9.29E-07	3.62E-05	4.31E-06	3.72E-06	3.15E-07
3258	437316.74	3724390.35	3.26E-05	7.09E-06	6.45E-06	8.91E-07	3.47E-05	4.13E-06	3.57E-06	3.02E-07
3259	437333.09	3724383.6	3.13E-05	6.80E-06	6.18E-06	8.53E-07	3.32E-05	3.96E-06	3.42E-06	2.89E-07
3260	437480.26	3724322.87	2.13E-05	4.63E-06	4.21E-06	5.81E-07	2.26E-05	2.70E-06	2.33E-06	1.97E-07
3261	437496.61	3724316.12	2.07E-05	4.50E-06	4.09E-06	5.65E-07	2.20E-05	2.62E-06	2.27E-06	1.92E-07
3262	437512.96	3724309.38	2.04E-05	4.43E-06	4.03E-06	5.56E-07	2.16E-05	2.58E-06	2.23E-06	1.89E-07
3263	437529.31	3724302.63	2.01E-05	4.36E-06	3.97E-06	5.48E-07	2.13E-05	2.54E-06	2.20E-06	1.86E-07
3264	437545.67	3724295.88	2.00E-05	4.34E-06	3.95E-06	5.45E-07	2.12E-05	2.53E-06	2.19E-06	1.85E-07
3265	437562.02	3724289.13	1.99E-05	4.33E-06	3.94E-06	5.44E-07	2.12E-05	2.53E-06	2.18E-06	1.84E-07
3266	437578.37	3724282.38	2.00E-05	4.34E-06	3.95E-06	5.45E-07	2.12E-05	2.53E-06	2.19E-06	1.85E-07
3267	437595.03	3724281.49	2.03E-05	4.42E-06	4.02E-06	5.55E-07	2.16E-05	2.57E-06	2.22E-06	1.88E-07
3268	437612.01	3724286.46	2.10E-05	4.55E-06	4.14E-06	5.72E-07	2.23E-05	2.65E-06	2.29E-06	1.94E-07
3269	437628.99	3724291.43	2.16E-05	4.70E-06	4.28E-06	5.91E-07	2.30E-05	2.74E-06	2.37E-06	2.00E-07
3270	437713.87	3724316.28	2.62E-05	5.69E-06	5.17E-06	7.14E-07	2.78E-05	3.31E-06	2.86E-06	2.42E-07
3271	437730.85	3724321.25	2.73E-05	5.93E-06	5.39E-06	7.45E-07	2.90E-05	3.46E-06	2.99E-06	2.52E-07
3272	437747.83	3724326.22	2.86E-05	6.20E-06	5.64E-06	7.79E-07	3.03E-05	3.62E-06	3.12E-06	2.64E-07
3273	437764.8	3724331.19	2.99E-05	6.49E-06	5.90E-06	8.15E-07	3.17E-05	3.78E-06	3.27E-06	2.76E-07
3274	437781.78	3724336.16	3.13E-05	6.80E-06	6.18E-06	8.53E-07	3.32E-05	3.96E-06	3.42E-06	2.89E-07
3275	437798.76	3724341.13	3.29E-05	7.14E-06	6.49E-06	8.97E-07	3.49E-05	4.16E-06	3.60E-06	3.04E-07
3276	437815.73	3724346.1	3.45E-05	7.50E-06	6.82E-06	9.42E-07	3.67E-05	4.37E-06	3.78E-06	3.19E-07
3277	437832.71	3724351.07	3.64E-05	7.90E-06	7.19E-06	9.93E-07	3.86E-05	4.61E-06	3.98E-06	3.37E-07
3278	437849.69	3724356.04	3.84E-05	8.34E-06	7.58E-06	1.05E-06	4.08E-05	4.86E-06	4.20E-06	3.55E-07
3279	437866.67	3724361.01	4.06E-05	8.82E-06	8.02E-06	1.11E-06	4.31E-05	5.14E-06	4.44E-06	3.76E-07
3280	437883.64	3724365.98	4.30E-05	9.34E-06	8.49E-06	1.17E-06	4.57E-05	5.44E-06	4.70E-06	3.98E-07
3281	437934.57	3724380.89	5.12E-05	1.11E-05	1.01E-05	1.40E-06	5.44E-05	6.49E-06	5.60E-06	4.74E-07
3282	437951.55	3724385.86	5.43E-05	1.18E-05	1.07E-05	1.48E-06	5.77E-05	6.88E-06	5.94E-06	5.03E-07
3283	437968.53	3724390.83	5.79E-05	1.26E-05	1.14E-05	1.58E-06	6.15E-05	7.34E-06	6.34E-06	5.36E-07
3284	437985.5	3724395.8	6.17E-05	1.34E-05	1.22E-05	1.68E-06	6.56E-05	7.82E-06	6.75E-06	5.71E-07
3285	438002.48	3724400.77	6.56E-05	1.43E-05	1.30E-05	1.79E-06	6.97E-05	8.31E-06	7.18E-06	6.07E-07
3286	438019.46	3724405.74	6.97E-05	1.51E-05	1.38E-05	1.90E-06	7.40E-05	8.82E-06	7.62E-06	6.44E-07
3287	438036.44	3724410.71	7.36E-05	1.60E-05	1.45E-05	2.01E-06	7.82E-05	9.32E-06	8.06E-06	6.81E-07
3288	438053.41	3724415.68	7.76E-05	1.69E-05	1.53E-05	2.12E-06	8.25E-05	9.83E-06	8.49E-06	7.18E-07
3289	438070.39	3724420.65	8.17E-05	1.77E-05	1.61E-05	2.23E-06	8.68E-05	1.03E-05	8.93E-06	7.55E-07
3290	438087.37	3724425.62	8.59E-05	1.87E-05	1.70E-05	2.34E-06	9.12E-05	1.09E-05	9.40E-06	7.94E-07
3291	438104.34	3724430.59	9.02E-05	1.96E-05	1.78E-05	2.46E-06	9.58E-05	1.14E-05	9.87E-06	8.35E-07
3292	438121.32	3724435.56	9.47E-05	2.06E-05	1.87E-05	2.58E-06	1.01E-04	1.20E-05	1.04E-05	8.75E-07
3293	437159.27	3724414.51	4.32E-05	9.38E-06	8.53E-06	1.18E-06	4.59E-05	5.47E-06	4.73E-06	3.99E-07
3294	437175.62	3724407.76	4.17E-05	9.06E-06	8.23E-06	1.14E-06	4.43E-05	5.28E-06	4.56E-06	3.86E-07
3295	437191.97	3724401.02	4.02E-05	8.73E-06	7.94E-06	1.10E-06	4.27E-05	5.09E-06	4.40E-06	3.72E-07
3296	437208.32	3724394.27	3.87E-05	8.40E-06	7.64E-06	1.06E-06	4.11E-05	4.90E-06	4.23E-06	3.58E-07
3297	437224.68	3724387.52	3.72E-05	8.08E-06	7.35E-06	1.02E-06	3.95E-05	4.71E-06	4.07E-06	3.44E-07
3298	437241.03	3724380.77	3.57E-05	7.76E-06	7.05E-06	9.74E-07	3.79E-05	4.52E-06	3.91E-06	3.30E-07
3299	437257.38	3724374.02	3.43E-05	7.45E-06	6.77E-06	9.36E-07	3.64E-05	4.34E-06	3.75E-06	3.17E-07
3300	437273.73	3724367.28	3.29E-05	7.15E-06	6.50E-06	8.98E-07	3.50E-05	4.17E-06	3.60E-06	3.05E-07
3301	437290.08	3724360.53	3.16E-05	6.86E-06	6.24E-06	8.61E-07	3.35E-05	4.00E-06	3.45E-06	2.92E-07
3302	437306.43	3724353.78	3.03E-05	6.58E-06	5.99E-06	8.27E-07	3.22E-05	3.84E-06	3.32E-06	2.80E-07

3303	437486.3	3724279.55	1.97E-05	4.27E-06	3.88E-06	5.36E-07	2.09E-05	2.49E-06	2.15E-06	1.82E-07
3304	437502.66	3724272.81	1.92E-05	4.16E-06	3.79E-06	5.23E-07	2.04E-05	2.43E-06	2.10E-06	1.77E-07
3305	437519.01	3724266.06	1.89E-05	4.11E-06	3.74E-06	5.16E-07	2.01E-05	2.40E-06	2.07E-06	1.75E-07
3306	437535.36	3724259.31	1.87E-05	4.07E-06	3.70E-06	5.11E-07	1.99E-05	2.37E-06	2.05E-06	1.73E-07
3307	437551.71	3724252.56	1.87E-05	4.07E-06	3.70E-06	5.11E-07	1.99E-05	2.37E-06	2.05E-06	1.73E-07
3308	437568.06	3724245.81	1.87E-05	4.07E-06	3.70E-06	5.11E-07	1.99E-05	2.37E-06	2.05E-06	1.73E-07
3309	437592.9	3724241.55	1.90E-05	4.12E-06	3.75E-06	5.18E-07	2.02E-05	2.40E-06	2.08E-06	1.75E-07
3310	437609.88	3724246.52	1.95E-05	4.24E-06	3.85E-06	5.32E-07	2.07E-05	2.47E-06	2.13E-06	1.80E-07
3311	437745.7	3724286.28	2.58E-05	5.61E-06	5.10E-06	7.05E-07	2.74E-05	3.27E-06	2.83E-06	2.39E-07
3312	437762.67	3724291.25	2.69E-05	5.85E-06	5.32E-06	7.35E-07	2.86E-05	3.41E-06	2.95E-06	2.49E-07
3313	437779.65	3724296.22	2.81E-05	6.11E-06	5.55E-06	7.67E-07	2.99E-05	3.56E-06	3.08E-06	2.60E-07
3314	437796.63	3724301.19	2.94E-05	6.38E-06	5.80E-06	8.02E-07	3.12E-05	3.72E-06	3.21E-06	2.72E-07
3315	437813.6	3724306.16	3.07E-05	6.68E-06	6.07E-06	8.39E-07	3.27E-05	3.89E-06	3.36E-06	2.84E-07
3316	437830.58	3724311.13	3.23E-05	7.01E-06	6.37E-06	8.80E-07	3.43E-05	4.08E-06	3.53E-06	2.98E-07
3317	437847.56	3724316.1	3.40E-05	7.40E-06	6.73E-06	9.29E-07	3.62E-05	4.31E-06	3.72E-06	3.15E-07
3318	437864.53	3724321.07	3.59E-05	7.81E-06	7.10E-06	9.81E-07	3.82E-05	4.55E-06	3.93E-06	3.32E-07
3319	437898.49	3724331.01	4.03E-05	8.76E-06	7.96E-06	1.10E-06	4.28E-05	5.11E-06	4.41E-06	3.73E-07
3320	437915.47	3724335.98	4.29E-05	9.31E-06	8.46E-06	1.17E-06	4.55E-05	5.43E-06	4.69E-06	3.96E-07
3321	437932.44	3724340.95	4.55E-05	9.88E-06	8.98E-06	1.24E-06	4.83E-05	5.76E-06	4.98E-06	4.21E-07
3322	437949.42	3724345.92	4.83E-05	1.05E-05	9.53E-06	1.32E-06	5.13E-05	6.11E-06	5.28E-06	4.46E-07
3323	437966.4	3724350.89	5.14E-05	1.12E-05	1.01E-05	1.40E-06	5.46E-05	6.50E-06	5.62E-06	4.75E-07
3324	437983.37	3724355.86	5.46E-05	1.19E-05	1.08E-05	1.49E-06	5.80E-05	6.92E-06	5.98E-06	5.05E-07
3325	438000.35	3724360.82	5.79E-05	1.26E-05	1.14E-05	1.58E-06	6.15E-05	7.34E-06	6.34E-06	5.36E-07
3326	438017.33	3724365.79	6.14E-05	1.33E-05	1.21E-05	1.68E-06	6.53E-05	7.78E-06	6.72E-06	5.68E-07
3327	438034.3	3724370.76	6.51E-05	1.42E-05	1.29E-05	1.78E-06	6.92E-05	8.25E-06	7.12E-06	6.02E-07
3328	438051.28	3724375.73	6.88E-05	1.49E-05	1.36E-05	1.88E-06	7.31E-05	8.71E-06	7.52E-06	6.36E-07
3329	438068.26	3724380.7	7.25E-05	1.57E-05	1.43E-05	1.98E-06	7.70E-05	9.18E-06	7.93E-06	6.70E-07
3330	438085.23	3724385.67	7.62E-05	1.66E-05	1.50E-05	2.08E-06	8.09E-05	9.65E-06	8.33E-06	7.05E-07
3331	438102.21	3724390.64	7.99E-05	1.74E-05	1.58E-05	2.18E-06	8.49E-05	1.01E-05	8.74E-06	7.39E-07
3332	438119.19	3724395.61	8.39E-05	1.82E-05	1.66E-05	2.29E-06	8.91E-05	1.06E-05	9.17E-06	7.76E-07
3333	438136.17	3724400.58	8.78E-05	1.91E-05	1.74E-05	2.40E-06	9.33E-05	1.11E-05	9.61E-06	8.12E-07
3334	438153.14	3724405.55	9.20E-05	2.00E-05	1.82E-05	2.51E-06	9.78E-05	1.17E-05	1.01E-05	8.51E-07
3335	437132.61	3724384.69	4.13E-05	8.97E-06	8.16E-06	1.13E-06	4.39E-05	5.23E-06	4.52E-06	3.82E-07
3336	437148.96	3724377.94	4.00E-05	8.69E-06	7.90E-06	1.09E-06	4.25E-05	5.06E-06	4.37E-06	3.70E-07
3337	437165.31	3724371.2	3.86E-05	8.39E-06	7.63E-06	1.05E-06	4.10E-05	4.89E-06	4.23E-06	3.57E-07
3338	437181.67	3724364.45	3.72E-05	8.08E-06	7.35E-06	1.02E-06	3.95E-05	4.71E-06	4.07E-06	3.44E-07
3339	437198.02	3724357.7	3.58E-05	7.79E-06	7.08E-06	9.78E-07	3.81E-05	4.54E-06	3.92E-06	3.32E-07
3340	437214.37	3724350.95	3.45E-05	7.49E-06	6.81E-06	9.41E-07	3.66E-05	4.37E-06	3.77E-06	3.19E-07
3341	437230.72	3724344.2	3.31E-05	7.20E-06	6.54E-06	9.04E-07	3.52E-05	4.19E-06	3.62E-06	3.06E-07
3342	437247.07	3724337.46	3.19E-05	6.92E-06	6.29E-06	8.69E-07	3.38E-05	4.03E-06	3.49E-06	2.95E-07
3343	437263.42	3724330.71	3.06E-05	6.65E-06	6.04E-06	8.35E-07	3.25E-05	3.87E-06	3.35E-06	2.83E-07
3344	437279.78	3724323.96	2.94E-05	6.38E-06	5.80E-06	8.02E-07	3.12E-05	3.72E-06	3.21E-06	2.72E-07
3345	437476	3724242.98	1.88E-05	4.08E-06	3.71E-06	5.12E-07	1.99E-05	2.38E-06	2.05E-06	1.74E-07
3346	437492.35	3724236.24	1.82E-05	3.95E-06	3.59E-06	4.96E-07	1.93E-05	2.30E-06	1.99E-06	1.68E-07
3347	437508.7	3724229.49	1.79E-05	3.88E-06	3.53E-06	4.87E-07	1.90E-05	2.26E-06	1.95E-06	1.65E-07
3348	437525.05	3724222.74	1.77E-05	3.84E-06	3.49E-06	4.82E-07	1.88E-05	2.24E-06	1.93E-06	1.63E-07
3349	437541.4	3724215.99	1.76E-05	3.82E-06	3.47E-06	4.79E-07	1.87E-05	2.22E-06	1.92E-06	1.62E-07
3350	437557.76	3724209.25	1.75E-05	3.80E-06	3.46E-06	4.78E-07	1.86E-05	2.22E-06	1.92E-06	1.62E-07
3351	437574.11	3724202.5	1.76E-05	3.82E-06	3.47E-06	4.79E-07	1.87E-05	2.22E-06	1.92E-06	1.62E-07
3352	437590.77	3724201.61	1.78E-05	3.86E-06	3.51E-06	4.84E-07	1.89E-05	2.25E-06	1.94E-06	1.64E-07
3353	437692.63	3724231.43	2.10E-05	4.57E-06	4.15E-06	5.73E-07	2.23E-05	2.66E-06	2.30E-06	1.94E-07
3354	437709.61	3724236.4	2.18E-05	4.73E-06	4.30E-06	5.95E-07	2.31E-05	2.76E-06	2.38E-06	2.02E-07
3355	437726.59	3724241.37	2.26E-05	4.90E-06	4.46E-06	6.16E-07	2.40E-05	2.86E-06	2.47E-06	2.09E-07
3356	437743.56	3724246.34	2.34E-05	5.09E-06	4.63E-06	6.40E-07	2.49E-05	2.97E-06	2.56E-06	2.17E-07
3357	437845.43	3724276.15	3.05E-05	6.64E-06	6.03E-06	8.33E-07	3.24E-05	3.87E-06	3.34E-06	2.83E-07
3358	437862.4	3724281.12	3.22E-05	7.00E-06	6.36E-06	8.79E-07	3.42E-05	4.08E-06	3.52E-06	2.98E-07
3359	437879.38	3724286.09	3.41E-05	7.41E-06	6.73E-06	9.30E-07	3.62E-05	4.32E-06	3.73E-06	3.15E-07
3360	437930.31	3724301	4.08E-05	8.87E-06	8.06E-06	1.11E-06	4.34E-05	5.17E-06	4.46E-06	3.77E-07

3361	437947.29	3724305.97	4.34E-05	9.43E-06	8.57E-06	1.18E-06	4.61E-05	5.49E-06	4.75E-06	4.01E-07
3362	437964.27	3724310.94	4.61E-05	1.00E-05	9.10E-06	1.26E-06	4.89E-05	5.83E-06	5.04E-06	4.26E-07
3363	437981.24	3724315.91	4.89E-05	1.06E-05	9.67E-06	1.34E-06	5.20E-05	6.20E-06	5.35E-06	4.53E-07
3364	437998.22	3724320.88	5.18E-05	1.13E-05	1.02E-05	1.41E-06	5.50E-05	6.56E-06	5.67E-06	4.79E-07
3365	438015.2	3724325.85	5.48E-05	1.19E-05	1.08E-05	1.49E-06	5.82E-05	6.94E-06	5.99E-06	5.07E-07
3366	438032.17	3724330.82	5.80E-05	1.26E-05	1.15E-05	1.58E-06	6.16E-05	7.34E-06	6.34E-06	5.36E-07
3367	438049.15	3724335.79	6.13E-05	1.33E-05	1.21E-05	1.67E-06	6.51E-05	7.76E-06	6.70E-06	5.67E-07
3368	438066.13	3724340.76	6.47E-05	1.41E-05	1.28E-05	1.77E-06	6.87E-05	8.19E-06	7.08E-06	5.98E-07
3369	438083.1	3724345.73	6.81E-05	1.48E-05	1.34E-05	1.86E-06	7.23E-05	8.62E-06	7.44E-06	6.29E-07
3370	438100.08	3724350.7	7.14E-05	1.55E-05	1.41E-05	1.95E-06	7.58E-05	9.04E-06	7.81E-06	6.60E-07
3371	438117.06	3724355.67	7.50E-05	1.63E-05	1.48E-05	2.05E-06	7.97E-05	9.50E-06	8.21E-06	6.94E-07
3372	438134.03	3724360.64	7.86E-05	1.71E-05	1.55E-05	2.14E-06	8.35E-05	9.95E-06	8.60E-06	7.27E-07
3373	438151.01	3724365.61	8.22E-05	1.79E-05	1.62E-05	2.24E-06	8.73E-05	1.04E-05	8.99E-06	7.60E-07
3374	438167.99	3724370.58	8.58E-05	1.86E-05	1.69E-05	2.34E-06	9.11E-05	1.09E-05	9.38E-06	7.93E-07
3375	437122.3	3724348.12	3.83E-05	8.33E-06	7.57E-06	1.05E-06	4.07E-05	4.85E-06	4.19E-06	3.55E-07
3376	437138.65	3724341.37	3.71E-05	8.05E-06	7.32E-06	1.01E-06	3.94E-05	4.69E-06	4.05E-06	3.43E-07
3377	437155.01	3724334.63	3.58E-05	7.78E-06	7.07E-06	9.77E-07	3.80E-05	4.53E-06	3.92E-06	3.31E-07
3378	437171.36	3724327.88	3.45E-05	7.50E-06	6.82E-06	9.42E-07	3.67E-05	4.37E-06	3.78E-06	3.19E-07
3379	437187.71	3724321.13	3.33E-05	7.24E-06	6.58E-06	9.09E-07	3.54E-05	4.22E-06	3.65E-06	3.08E-07
3380	437204.06	3724314.38	3.21E-05	6.96E-06	6.33E-06	8.75E-07	3.40E-05	4.06E-06	3.51E-06	2.96E-07
3381	437220.41	3724307.63	3.08E-05	6.70E-06	6.09E-06	8.41E-07	3.28E-05	3.90E-06	3.37E-06	2.85E-07
3382	437236.77	3724300.89	2.97E-05	6.45E-06	5.86E-06	8.10E-07	3.15E-05	3.76E-06	3.25E-06	2.74E-07
3383	437253.12	3724294.14	2.86E-05	6.20E-06	5.64E-06	7.79E-07	3.03E-05	3.62E-06	3.12E-06	2.64E-07
3384	437449.34	3724213.16	1.82E-05	3.95E-06	3.59E-06	4.96E-07	1.93E-05	2.30E-06	1.99E-06	1.68E-07
3385	437465.69	3724206.42	1.76E-05	3.82E-06	3.47E-06	4.79E-07	1.87E-05	2.22E-06	1.92E-06	1.62E-07
3386	437482.04	3724199.67	1.71E-05	3.72E-06	3.38E-06	4.67E-07	1.82E-05	2.17E-06	1.87E-06	1.58E-07
3387	437498.39	3724192.92	1.68E-05	3.65E-06	3.31E-06	4.58E-07	1.78E-05	2.12E-06	1.84E-06	1.55E-07
3388	437514.75	3724186.17	1.66E-05	3.61E-06	3.29E-06	4.54E-07	1.77E-05	2.11E-06	1.82E-06	1.54E-07
3389	437531.1	3724179.42	1.65E-05	3.58E-06	3.26E-06	4.50E-07	1.75E-05	2.09E-06	1.80E-06	1.53E-07
3390	437547.45	3724172.68	1.65E-05	3.58E-06	3.26E-06	4.50E-07	1.75E-05	2.09E-06	1.80E-06	1.53E-07
3391	437563.8	3724165.93	1.65E-05	3.58E-06	3.26E-06	4.50E-07	1.75E-05	2.09E-06	1.80E-06	1.53E-07
3392	437588.64	3724161.67	1.67E-05	3.64E-06	3.30E-06	4.57E-07	1.78E-05	2.12E-06	1.83E-06	1.55E-07
3393	437673.53	3724186.51	1.89E-05	4.10E-06	3.73E-06	5.15E-07	2.00E-05	2.39E-06	2.06E-06	1.75E-07
3394	437690.5	3724191.48	1.95E-05	4.23E-06	3.84E-06	5.31E-07	2.07E-05	2.46E-06	2.13E-06	1.80E-07
3395	437707.48	3724196.45	2.00E-05	4.35E-06	3.96E-06	5.47E-07	2.13E-05	2.54E-06	2.19E-06	1.85E-07
3396	437724.46	3724201.42	2.07E-05	4.50E-06	4.09E-06	5.65E-07	2.20E-05	2.62E-06	2.27E-06	1.92E-07
3397	437741.43	3724206.39	2.15E-05	4.67E-06	4.25E-06	5.87E-07	2.28E-05	2.72E-06	2.35E-06	1.99E-07
3398	437758.41	3724211.36	2.23E-05	4.85E-06	4.41E-06	6.09E-07	2.37E-05	2.83E-06	2.44E-06	2.06E-07
3399	437775.39	3724216.33	2.32E-05	5.04E-06	4.58E-06	6.33E-07	2.46E-05	2.94E-06	2.54E-06	2.15E-07
3400	437792.36	3724221.3	2.41E-05	5.23E-06	4.76E-06	6.57E-07	2.56E-05	3.05E-06	2.63E-06	2.23E-07
3401	437809.34	3724226.27	2.51E-05	5.46E-06	4.97E-06	6.86E-07	2.67E-05	3.18E-06	2.75E-06	2.33E-07
3402	437826.32	3724231.24	2.63E-05	5.71E-06	5.19E-06	7.17E-07	2.79E-05	3.33E-06	2.87E-06	2.43E-07
3403	437843.3	3724236.21	2.77E-05	6.01E-06	5.47E-06	7.55E-07	2.94E-05	3.50E-06	3.03E-06	2.56E-07
3404	437860.27	3724241.18	2.92E-05	6.34E-06	5.76E-06	7.96E-07	3.10E-05	3.70E-06	3.19E-06	2.70E-07
3405	437877.25	3724246.15	3.09E-05	6.71E-06	6.10E-06	8.43E-07	3.28E-05	3.91E-06	3.38E-06	2.86E-07
3406	437894.23	3724251.12	3.27E-05	7.11E-06	6.47E-06	8.93E-07	3.48E-05	4.15E-06	3.58E-06	3.03E-07
3407	437911.2	3724256.09	3.47E-05	7.55E-06	6.86E-06	9.48E-07	3.69E-05	4.40E-06	3.80E-06	3.21E-07
3408	437928.18	3724261.06	3.69E-05	8.01E-06	7.28E-06	1.01E-06	3.92E-05	4.67E-06	4.03E-06	3.41E-07
3409	437962.13	3724271	4.16E-05	9.04E-06	8.21E-06	1.13E-06	4.42E-05	5.27E-06	4.55E-06	3.85E-07
3410	437979.11	3724275.97	4.41E-05	9.59E-06	8.71E-06	1.20E-06	4.69E-05	5.59E-06	4.83E-06	4.08E-07
3411	437996.09	3724280.94	4.66E-05	1.01E-05	9.21E-06	1.27E-06	4.96E-05	5.91E-06	5.10E-06	4.31E-07
3412	438013.06	3724285.91	4.93E-05	1.07E-05	9.74E-06	1.35E-06	5.24E-05	6.25E-06	5.40E-06	4.56E-07
3413	438030.04	3724290.88	5.21E-05	1.13E-05	1.03E-05	1.42E-06	5.53E-05	6.60E-06	5.70E-06	4.82E-07
3414	438047.02	3724295.85	5.51E-05	1.20E-05	1.09E-05	1.50E-06	5.85E-05	6.97E-06	6.02E-06	5.09E-07
3415	438064	3724300.82	5.82E-05	1.26E-05	1.15E-05	1.59E-06	6.18E-05	7.37E-06	6.36E-06	5.38E-07
3416	438080.97	3724305.79	6.14E-05	1.33E-05	1.21E-05	1.67E-06	6.52E-05	7.77E-06	6.72E-06	5.68E-07
3417	438097.95	3724310.76	6.46E-05	1.40E-05	1.28E-05	1.76E-06	6.87E-05	8.19E-06	7.07E-06	5.98E-07
3418	438114.93	3724315.73	6.76E-05	1.47E-05	1.34E-05	1.84E-06	7.18E-05	8.56E-06	7.40E-06	6.25E-07

3419	438199.81	3724340.58	8.14E-05	1.77E-05	1.61E-05	2.22E-06	8.64E-05	1.03E-05	8.90E-06	7.53E-07
3420	436933.68	3724549.6	6.12E-05	1.33E-05	1.21E-05	1.67E-06	6.50E-05	7.75E-06	6.69E-06	5.66E-07
3421	436926.33	3724556.23	6.16E-05	1.34E-05	1.22E-05	1.68E-06	6.54E-05	7.80E-06	6.74E-06	5.70E-07
3422	436918.99	3724562.85	6.20E-05	1.35E-05	1.22E-05	1.69E-06	6.58E-05	7.85E-06	6.78E-06	5.73E-07
3423	436921.57	3724506.65	5.70E-05	1.24E-05	1.13E-05	1.56E-06	6.06E-05	7.22E-06	6.24E-06	5.27E-07
3424	436914.23	3724513.28	5.75E-05	1.25E-05	1.14E-05	1.57E-06	6.11E-05	7.28E-06	6.29E-06	5.32E-07
3425	436906.88	3724519.9	5.79E-05	1.26E-05	1.14E-05	1.58E-06	6.15E-05	7.34E-06	6.34E-06	5.36E-07
3426	436899.54	3724526.53	5.83E-05	1.27E-05	1.15E-05	1.59E-06	6.20E-05	7.38E-06	6.38E-06	5.39E-07
3427	436892.19	3724533.15	5.86E-05	1.27E-05	1.16E-05	1.60E-06	6.23E-05	7.42E-06	6.41E-06	5.42E-07
3428	436894.78	3724476.95	5.39E-05	1.17E-05	1.06E-05	1.47E-06	5.72E-05	6.82E-06	5.90E-06	4.98E-07
3429	436887.43	3724483.58	5.43E-05	1.18E-05	1.07E-05	1.48E-06	5.77E-05	6.88E-06	5.94E-06	5.03E-07
3430	436880.09	3724490.2	5.47E-05	1.19E-05	1.08E-05	1.49E-06	5.81E-05	6.93E-06	5.99E-06	5.06E-07
3431	436872.74	3724496.83	5.52E-05	1.20E-05	1.09E-05	1.50E-06	5.86E-05	6.98E-06	6.03E-06	5.10E-07
3432	436865.4	3724503.45	5.55E-05	1.20E-05	1.10E-05	1.51E-06	5.89E-05	7.02E-06	6.07E-06	5.13E-07

					1877	
			1870	437750.64	3725402.77	
	Max Yr	**1**	2.24E-01	4.42E-02	2.38E-01	2.45E-02
	Row	**18**	T2	T2L3	T3	T4f
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**20%**	**106%**	**11%**
			Year 1	Year 1	Year 1	Year 1
1	437235.4	3725541	1.56E-03	3.09E-04	1.66E-03	1.71E-04
2	437200.4	3725547	1.30E-03	2.56E-04	1.38E-03	1.42E-04
3	437206.7	3725554	1.33E-03	2.63E-04	1.41E-03	1.45E-04
4	437213	3725561	1.36E-03	2.69E-04	1.44E-03	1.49E-04
5	437174.9	3725558	1.14E-03	2.26E-04	1.22E-03	1.25E-04
6	437171.8	3725549	1.14E-03	2.24E-04	1.21E-03	1.24E-04
7	437149.6	3725569	1.01E-03	2.00E-04	1.08E-03	1.11E-04
8	437146.5	3725560	1.01E-03	1.99E-04	1.07E-03	1.10E-04
9	437143.4	3725552	9.98E-04	1.97E-04	1.06E-03	1.09E-04
10	437155.7	3725587	1.02E-03	2.02E-04	1.09E-03	1.12E-04
11	437162.1	3725594	1.05E-03	2.07E-04	1.11E-03	1.14E-04
12	437168.4	3725601	1.07E-03	2.11E-04	1.14E-03	1.17E-04
13	437130.3	3725598	9.08E-04	1.79E-04	9.64E-04	9.93E-05
14	437120.9	3725571	8.95E-04	1.77E-04	9.50E-04	9.79E-05
15	437117.8	3725562	8.89E-04	1.76E-04	9.44E-04	9.72E-05
16	437114.7	3725554	8.84E-04	1.75E-04	9.39E-04	9.67E-05
17	437133.4	3725607	9.13E-04	1.80E-04	9.70E-04	9.99E-05
18	437139.7	3725614	9.31E-04	1.84E-04	9.88E-04	1.02E-04
19	437146.1	3725621	9.49E-04	1.88E-04	1.01E-03	1.04E-04
20	437108	3725618	8.24E-04	1.63E-04	8.76E-04	9.02E-05
21	437104.9	3725609	8.20E-04	1.62E-04	8.71E-04	8.97E-05
22	437101.8	3725601	8.15E-04	1.61E-04	8.66E-04	8.92E-05
23	437092.6	3725574	8.01E-04	1.58E-04	8.51E-04	8.76E-05
24	437089.5	3725566	7.96E-04	1.57E-04	8.46E-04	8.71E-05
25	437086.4	3725557	7.93E-04	1.57E-04	8.42E-04	8.67E-05
26	437085.7	3725638	7.52E-04	1.49E-04	7.99E-04	8.23E-05
27	437082.5	3725629	7.49E-04	1.48E-04	7.96E-04	8.19E-05
28	437079.4	3725620	7.45E-04	1.47E-04	7.92E-04	8.15E-05
29	437076.3	3725611	7.41E-04	1.46E-04	7.87E-04	8.11E-05
30	437073.2	3725603	7.37E-04	1.46E-04	7.83E-04	8.07E-05
31	437063.8	3725576	7.27E-04	1.44E-04	7.72E-04	7.95E-05
32	437060.7	3725567	7.23E-04	1.43E-04	7.68E-04	7.91E-05
33	437057.6	3725559	7.20E-04	1.42E-04	7.65E-04	7.88E-05
34	437101.4	3725661	7.82E-04	1.54E-04	8.31E-04	8.55E-05
35	437055.9	3725665	6.72E-04	1.33E-04	7.13E-04	7.35E-05
36	437052.7	3725656	6.70E-04	1.32E-04	7.12E-04	7.33E-05
37	437043.3	3725629	6.62E-04	1.31E-04	7.03E-04	7.24E-05
38	437040.2	3725620	6.59E-04	1.30E-04	7.00E-04	7.20E-05
39	437037.1	3725611	6.55E-04	1.29E-04	6.96E-04	7.17E-05
40	437034	3725603	6.52E-04	1.29E-04	6.93E-04	7.13E-05
41	437024.6	3725576	6.42E-04	1.27E-04	6.82E-04	7.03E-05
42	437021.4	3725567	6.39E-04	1.26E-04	6.79E-04	6.99E-05
43	437059	3725673	6.73E-04	1.33E-04	7.15E-04	7.36E-05
44	437026.1	3725691	6.06E-04	1.20E-04	6.43E-04	6.62E-05

45	437023	3725682	6.03E-04	1.19E-04	6.41E-04	6.60E-05
46	437019.8	3725673	6.01E-04	1.19E-04	6.38E-04	6.57E-05
47	437016.7	3725665	5.99E-04	1.18E-04	6.36E-04	6.55E-05
48	437013.5	3725656	5.97E-04	1.18E-04	6.34E-04	6.53E-05
49	437004.1	3725629	5.89E-04	1.16E-04	6.26E-04	6.45E-05
50	437000.9	3725620	5.87E-04	1.16E-04	6.23E-04	6.42E-05
51	436997.8	3725611	5.84E-04	1.15E-04	6.20E-04	6.39E-05
52	436994.6	3725602	5.81E-04	1.15E-04	6.17E-04	6.35E-05
53	436991.5	3725593	5.78E-04	1.14E-04	6.14E-04	6.32E-05
54	436988.3	3725584	5.74E-04	1.13E-04	6.10E-04	6.28E-05
55	436985.2	3725575	5.72E-04	1.13E-04	6.07E-04	6.25E-05
56	436982	3725567	5.68E-04	1.12E-04	6.04E-04	6.22E-05
57	437029.2	3725700	6.08E-04	1.20E-04	6.46E-04	6.65E-05
58	437035.6	3725707	6.16E-04	1.22E-04	6.54E-04	6.74E-05
59	437041.9	3725714	6.23E-04	1.23E-04	6.62E-04	6.82E-05
60	436993.3	3725709	5.56E-04	1.10E-04	5.90E-04	6.08E-05
61	436990.2	3725701	5.54E-04	1.09E-04	5.88E-04	6.06E-05
62	436987.1	3725692	5.52E-04	1.09E-04	5.86E-04	6.04E-05
63	436984	3725683	5.50E-04	1.09E-04	5.84E-04	6.02E-05
64	436980.8	3725674	5.48E-04	1.08E-04	5.82E-04	5.99E-05
65	436977.7	3725665	5.46E-04	1.08E-04	5.79E-04	5.97E-05
66	436974.6	3725657	5.44E-04	1.07E-04	5.77E-04	5.95E-05
67	436971.5	3725648	5.40E-04	1.07E-04	5.74E-04	5.91E-05
68	436962.2	3725621	5.30E-04	1.05E-04	5.63E-04	5.80E-05
69	436959.1	3725613	5.27E-04	1.04E-04	5.60E-04	5.77E-05
70	436956	3725604	5.24E-04	1.04E-04	5.57E-04	5.73E-05
71	436952.9	3725595	5.21E-04	1.03E-04	5.53E-04	5.70E-05
72	436949.8	3725586	5.17E-04	1.02E-04	5.49E-04	5.66E-05
73	436946.7	3725577	5.14E-04	1.02E-04	5.46E-04	5.62E-05
74	436943.6	3725569	5.11E-04	1.01E-04	5.43E-04	5.59E-05
75	437004.8	3724812	4.87E-04	9.62E-05	5.17E-04	5.33E-05
76	437008.8	3724804	4.82E-04	9.53E-05	5.12E-04	5.28E-05
77	437012.8	3724796	4.78E-04	9.45E-05	5.08E-04	5.23E-05
78	437016.9	3724787	4.75E-04	9.39E-05	5.05E-04	5.20E-05
79	436954.1	3725709	5.10E-04	1.01E-04	5.42E-04	5.58E-05
80	436951	3725701	5.09E-04	1.00E-04	5.40E-04	5.56E-05
81	436947.9	3725692	5.07E-04	1.00E-04	5.39E-04	5.55E-05
82	436944.8	3725683	5.05E-04	9.98E-05	5.37E-04	5.53E-05
83	436941.6	3725674	5.02E-04	9.92E-05	5.34E-04	5.50E-05
84	436938.5	3725665	4.99E-04	9.86E-05	5.30E-04	5.46E-05
85	436935.4	3725656	4.95E-04	9.79E-05	5.26E-04	5.42E-05
86	436932.3	3725648	4.91E-04	9.70E-05	5.22E-04	5.37E-05
87	436929.2	3725639	4.87E-04	9.61E-05	5.17E-04	5.32E-05
88	436919.8	3725612	4.75E-04	9.38E-05	5.04E-04	5.19E-05
89	436916.7	3725603	4.71E-04	9.31E-05	5.01E-04	5.16E-05
90	436913.6	3725595	4.68E-04	9.25E-05	4.97E-04	5.12E-05
91	436910.4	3725586	4.66E-04	9.19E-05	4.94E-04	5.09E-05
92	436907.3	3725577	4.63E-04	9.14E-05	4.91E-04	5.06E-05
93	436889.1	3724969	4.29E-04	8.48E-05	4.56E-04	4.70E-05
94	436893.2	3724961	4.31E-04	8.52E-05	4.58E-04	4.72E-05
95	436897.2	3724952	4.32E-04	8.54E-05	4.59E-04	4.73E-05
96	436901.2	3724944	4.34E-04	8.56E-05	4.61E-04	4.74E-05

97	436905.3	3724935	4.35E-04	8.59E-05	4.62E-04	4.76E-05
98	436909.3	3724927	4.38E-04	8.66E-05	4.66E-04	4.79E-05
99	436913.3	3724918	4.41E-04	8.71E-05	4.69E-04	4.83E-05
100	436917.4	3724910	4.44E-04	8.77E-05	4.71E-04	4.86E-05
101	436921.4	3724902	4.46E-04	8.81E-05	4.74E-04	4.88E-05
102	436925.4	3724893	4.47E-04	8.82E-05	4.75E-04	4.89E-05
103	436929.4	3724885	4.48E-04	8.84E-05	4.75E-04	4.90E-05
104	436933.5	3724876	4.50E-04	8.90E-05	4.78E-04	4.93E-05
105	436937.5	3724868	4.54E-04	8.97E-05	4.82E-04	4.97E-05
106	436941.5	3724859	4.57E-04	9.04E-05	4.86E-04	5.00E-05
107	436945.6	3724851	4.60E-04	9.09E-05	4.89E-04	5.04E-05
108	436949.6	3724842	4.61E-04	9.11E-05	4.90E-04	5.05E-05
109	436953.6	3724834	4.60E-04	9.08E-05	4.88E-04	5.03E-05
110	436957.7	3724825	4.57E-04	9.03E-05	4.85E-04	5.00E-05
111	436961.7	3724817	4.53E-04	8.95E-05	4.82E-04	4.96E-05
112	436965.7	3724809	4.49E-04	8.88E-05	4.77E-04	4.92E-05
113	436969.7	3724800	4.45E-04	8.80E-05	4.73E-04	4.87E-05
114	436973.8	3724792	4.41E-04	8.70E-05	4.68E-04	4.82E-05
115	436977.8	3724783	4.37E-04	8.63E-05	4.64E-04	4.78E-05
116	436981.8	3724775	4.35E-04	8.58E-05	4.62E-04	4.75E-05
117	436985.9	3724766	4.32E-04	8.54E-05	4.59E-04	4.73E-05
118	436976	3725761	5.23E-04	1.03E-04	5.56E-04	5.73E-05
119	436982.4	3725768	5.29E-04	1.04E-04	5.62E-04	5.79E-05
120	436936.8	3725772	4.81E-04	9.50E-05	5.11E-04	5.26E-05
121	436933.7	3725763	4.79E-04	9.47E-05	5.09E-04	5.24E-05
122	436930.6	3725754	4.78E-04	9.43E-05	5.07E-04	5.23E-05
123	436911.8	3725701	4.72E-04	9.32E-05	5.01E-04	5.16E-05
124	436908.6	3725692	4.72E-04	9.32E-05	5.01E-04	5.16E-05
125	436905.5	3725683	4.70E-04	9.28E-05	4.99E-04	5.14E-05
126	436902.4	3725674	4.64E-04	9.17E-05	4.93E-04	5.08E-05
127	436899.2	3725665	4.59E-04	9.06E-05	4.87E-04	5.02E-05
128	436883.6	3725621	4.35E-04	8.58E-05	4.62E-04	4.75E-05
129	436880.4	3725612	4.32E-04	8.53E-05	4.59E-04	4.73E-05
130	436877.3	3725603	4.29E-04	8.48E-05	4.56E-04	4.70E-05
131	436874.2	3725594	4.27E-04	8.43E-05	4.53E-04	4.67E-05
132	436871	3725585	4.24E-04	8.37E-05	4.50E-04	4.64E-05
133	436867.9	3725576	4.21E-04	8.32E-05	4.47E-04	4.61E-05
134	436833.5	3725000	3.91E-04	7.71E-05	4.15E-04	4.27E-05
135	436837.5	3724992	3.94E-04	7.77E-05	4.18E-04	4.30E-05
136	436841.6	3724983	3.97E-04	7.83E-05	4.21E-04	4.34E-05
137	436845.6	3724975	4.00E-04	7.89E-05	4.24E-04	4.37E-05
138	436849.7	3724966	4.02E-04	7.95E-05	4.27E-04	4.40E-05
139	436853.7	3724958	4.05E-04	7.99E-05	4.30E-04	4.43E-05
140	436857.8	3724949	4.07E-04	8.05E-05	4.33E-04	4.46E-05
141	436861.8	3724941	4.10E-04	8.09E-05	4.35E-04	4.48E-05
142	436865.8	3724932	4.12E-04	8.14E-05	4.38E-04	4.51E-05
143	436869.9	3724924	4.14E-04	8.18E-05	4.40E-04	4.53E-05
144	436873.9	3724915	4.15E-04	8.20E-05	4.41E-04	4.54E-05
145	436878	3724907	4.17E-04	8.23E-05	4.43E-04	4.56E-05
146	436882	3724898	4.19E-04	8.27E-05	4.45E-04	4.58E-05
147	436886.1	3724890	4.20E-04	8.30E-05	4.46E-04	4.60E-05
148	436890.1	3724881	4.21E-04	8.32E-05	4.48E-04	4.61E-05

149	436894.2	3724873	4.23E-04	8.35E-05	4.49E-04	4.62E-05
150	436898.2	3724864	4.24E-04	8.37E-05	4.50E-04	4.64E-05
151	436902.3	3724856	4.25E-04	8.40E-05	4.52E-04	4.65E-05
152	436906.3	3724847	4.27E-04	8.43E-05	4.53E-04	4.67E-05
153	436910.4	3724839	4.27E-04	8.43E-05	4.53E-04	4.67E-05
154	436914.4	3724830	4.26E-04	8.42E-05	4.53E-04	4.66E-05
155	436918.4	3724822	4.25E-04	8.39E-05	4.51E-04	4.65E-05
156	436922.5	3724813	4.24E-04	8.37E-05	4.50E-04	4.63E-05
157	436926.5	3724805	4.23E-04	8.35E-05	4.49E-04	4.62E-05
158	436930.6	3724796	4.22E-04	8.33E-05	4.48E-04	4.61E-05
159	436934.6	3724788	4.20E-04	8.30E-05	4.46E-04	4.60E-05
160	436938.7	3724779	4.19E-04	8.28E-05	4.45E-04	4.58E-05
161	436942.7	3724771	4.18E-04	8.25E-05	4.44E-04	4.57E-05
162	436946.8	3724762	4.16E-04	8.21E-05	4.42E-04	4.55E-05
163	436950.8	3724754	4.14E-04	8.18E-05	4.40E-04	4.53E-05
164	436954.9	3724745	4.13E-04	8.15E-05	4.38E-04	4.51E-05
165	436958.9	3724737	4.12E-04	8.13E-05	4.37E-04	4.50E-05
166	436963	3724728	4.11E-04	8.12E-05	4.37E-04	4.50E-05
167	436939.9	3725780	4.83E-04	9.54E-05	5.13E-04	5.28E-05
168	436946.3	3725787	4.88E-04	9.65E-05	5.19E-04	5.34E-05
169	436952.6	3725794	4.94E-04	9.76E-05	5.25E-04	5.40E-05
170	436907	3725798	4.51E-04	8.91E-05	4.79E-04	4.94E-05
171	436903.9	3725789	4.51E-04	8.90E-05	4.79E-04	4.93E-05
172	436900.8	3725780	4.50E-04	8.90E-05	4.78E-04	4.93E-05
173	436897.6	3725771	4.49E-04	8.87E-05	4.77E-04	4.91E-05
174	436894.5	3725763	4.47E-04	8.83E-05	4.75E-04	4.89E-05
175	436872.5	3725700	4.37E-04	8.62E-05	4.64E-04	4.78E-05
176	436869.3	3725691	4.34E-04	8.57E-05	4.61E-04	4.75E-05
177	436866.2	3725682	4.30E-04	8.49E-05	4.57E-04	4.70E-05
178	436863	3725674	4.25E-04	8.40E-05	4.52E-04	4.65E-05
179	436859.9	3725665	4.21E-04	8.31E-05	4.47E-04	4.60E-05
180	436856.7	3725656	4.17E-04	8.23E-05	4.43E-04	4.56E-05
181	436853.6	3725647	4.12E-04	8.13E-05	4.37E-04	4.50E-05
182	436850.5	3725638	4.07E-04	8.03E-05	4.32E-04	4.45E-05
183	436847.3	3725629	4.02E-04	7.94E-05	4.27E-04	4.40E-05
184	436844.2	3725620	3.99E-04	7.88E-05	4.24E-04	4.37E-05
185	436841	3725611	3.97E-04	7.84E-05	4.22E-04	4.34E-05
186	436837.9	3725602	3.95E-04	7.80E-05	4.19E-04	4.32E-05
187	436834.7	3725593	3.92E-04	7.75E-05	4.17E-04	4.29E-05
188	436831.6	3725585	3.90E-04	7.70E-05	4.14E-04	4.26E-05
189	436828.4	3725576	3.87E-04	7.65E-05	4.11E-04	4.24E-05
190	436773.6	3725040	3.53E-04	6.97E-05	3.75E-04	3.86E-05
191	436777.6	3725031	3.56E-04	7.03E-05	3.78E-04	3.89E-05
192	436781.7	3725023	3.59E-04	7.09E-05	3.81E-04	3.92E-05
193	436785.8	3725014	3.62E-04	7.15E-05	3.84E-04	3.96E-05
194	436789.8	3725006	3.65E-04	7.21E-05	3.88E-04	3.99E-05
195	436793.9	3724997	3.68E-04	7.27E-05	3.91E-04	4.03E-05
196	436797.9	3724989	3.71E-04	7.34E-05	3.94E-04	4.06E-05
197	436802	3724980	3.75E-04	7.40E-05	3.98E-04	4.10E-05
198	436806.1	3724972	3.78E-04	7.46E-05	4.01E-04	4.13E-05
199	436810.1	3724963	3.81E-04	7.52E-05	4.04E-04	4.16E-05
200	436814.2	3724955	3.83E-04	7.57E-05	4.07E-04	4.19E-05

201	436818.3	3724946	3.85E-04	7.61E-05	4.09E-04	4.22E-05
202	436822.3	3724938	3.88E-04	7.66E-05	4.12E-04	4.24E-05
203	436826.4	3724929	3.90E-04	7.71E-05	4.14E-04	4.27E-05
204	436830.4	3724921	3.93E-04	7.75E-05	4.17E-04	4.29E-05
205	436834.5	3724912	3.94E-04	7.79E-05	4.19E-04	4.32E-05
206	436838.6	3724903	3.97E-04	7.83E-05	4.21E-04	4.34E-05
207	436842.6	3724895	3.99E-04	7.88E-05	4.24E-04	4.37E-05
208	436846.7	3724886	4.01E-04	7.93E-05	4.26E-04	4.39E-05
209	436850.7	3724878	4.03E-04	7.97E-05	4.29E-04	4.41E-05
210	436854.8	3724869	4.04E-04	7.99E-05	4.30E-04	4.42E-05
211	436858.9	3724861	4.05E-04	8.00E-05	4.30E-04	4.43E-05
212	436862.9	3724852	4.05E-04	8.00E-05	4.30E-04	4.43E-05
213	436867	3724844	4.05E-04	8.00E-05	4.30E-04	4.43E-05
214	436871.1	3724835	4.05E-04	8.00E-05	4.30E-04	4.43E-05
215	436875.1	3724827	4.05E-04	8.00E-05	4.30E-04	4.43E-05
216	436879.2	3724818	4.05E-04	7.99E-05	4.30E-04	4.43E-05
217	436883.2	3724810	4.04E-04	7.98E-05	4.29E-04	4.42E-05
218	436887.3	3724801	4.03E-04	7.97E-05	4.29E-04	4.41E-05
219	436891.4	3724793	4.03E-04	7.95E-05	4.28E-04	4.41E-05
220	436895.4	3724784	4.02E-04	7.93E-05	4.27E-04	4.39E-05
221	436899.5	3724776	4.01E-04	7.91E-05	4.25E-04	4.38E-05
222	436903.5	3724767	3.99E-04	7.88E-05	4.24E-04	4.37E-05
223	436907.6	3724759	3.98E-04	7.85E-05	4.22E-04	4.35E-05
224	436911.7	3724750	3.96E-04	7.82E-05	4.21E-04	4.33E-05
225	436915.7	3724742	3.94E-04	7.78E-05	4.19E-04	4.31E-05
226	436919.8	3724733	3.92E-04	7.74E-05	4.16E-04	4.29E-05
227	436923.8	3724725	3.90E-04	7.70E-05	4.14E-04	4.26E-05
228	436927.9	3724716	3.87E-04	7.65E-05	4.12E-04	4.24E-05
229	436932	3724707	3.85E-04	7.60E-05	4.09E-04	4.21E-05
230	436936	3724699	3.82E-04	7.55E-05	4.06E-04	4.18E-05
231	436940.1	3724690	3.79E-04	7.49E-05	4.03E-04	4.15E-05
232	436910.2	3725807	4.52E-04	8.93E-05	4.80E-04	4.95E-05
233	436916.5	3725814	4.56E-04	9.01E-05	4.84E-04	4.99E-05
234	436922.8	3725821	4.60E-04	9.09E-05	4.89E-04	5.04E-05
235	436877.3	3725825	4.18E-04	8.25E-05	4.44E-04	4.57E-05
236	436874.2	3725816	4.17E-04	8.23E-05	4.43E-04	4.56E-05
237	436871.1	3725807	4.16E-04	8.21E-05	4.42E-04	4.55E-05
238	436868	3725799	4.15E-04	8.20E-05	4.41E-04	4.54E-05
239	436864.9	3725790	4.14E-04	8.18E-05	4.40E-04	4.53E-05
240	436861.8	3725781	4.13E-04	8.16E-05	4.39E-04	4.52E-05
241	436858.6	3725772	4.12E-04	8.15E-05	4.38E-04	4.51E-05
242	436855.5	3725763	4.12E-04	8.15E-05	4.38E-04	4.51E-05
243	436852.4	3725755	4.12E-04	8.14E-05	4.38E-04	4.51E-05
244	436836.9	3725711	4.06E-04	8.02E-05	4.31E-04	4.44E-05
245	436833.8	3725702	4.03E-04	7.95E-05	4.28E-04	4.41E-05
246	436830.7	3725693	4.00E-04	7.90E-05	4.25E-04	4.37E-05
247	436827.5	3725684	3.97E-04	7.84E-05	4.22E-04	4.34E-05
248	436824.4	3725675	3.94E-04	7.78E-05	4.19E-04	4.31E-05
249	436821.3	3725666	3.91E-04	7.71E-05	4.15E-04	4.27E-05
250	436818.2	3725658	3.87E-04	7.65E-05	4.12E-04	4.24E-05
251	436815.1	3725649	3.84E-04	7.58E-05	4.07E-04	4.20E-05
252	436812	3725640	3.80E-04	7.50E-05	4.04E-04	4.16E-05

253	436808.9	3725631	3.76E-04	7.43E-05	4.00E-04	4.12E-05
254	436716.7	3725073	3.24E-04	6.40E-05	3.44E-04	3.54E-05
255	436720.8	3725065	3.27E-04	6.46E-05	3.47E-04	3.58E-05
256	436724.8	3725056	3.29E-04	6.50E-05	3.50E-04	3.60E-05
257	436728.8	3725048	3.32E-04	6.55E-05	3.52E-04	3.63E-05
258	436732.8	3725039	3.34E-04	6.60E-05	3.55E-04	3.66E-05
259	436736.8	3725031	3.37E-04	6.65E-05	3.58E-04	3.68E-05
260	436740.9	3725023	3.39E-04	6.70E-05	3.60E-04	3.71E-05
261	436744.9	3725014	3.41E-04	6.74E-05	3.63E-04	3.74E-05
262	436748.9	3725006	3.44E-04	6.80E-05	3.66E-04	3.76E-05
263	436752.9	3724997	3.47E-04	6.85E-05	3.69E-04	3.80E-05
264	436756.9	3724989	3.50E-04	6.91E-05	3.72E-04	3.83E-05
265	436760.9	3724980	3.53E-04	6.97E-05	3.75E-04	3.86E-05
266	436765	3724972	3.56E-04	7.03E-05	3.78E-04	3.90E-05
267	436769	3724964	3.59E-04	7.09E-05	3.81E-04	3.93E-05
268	436773	3724955	3.62E-04	7.14E-05	3.84E-04	3.96E-05
269	436777	3724947	3.65E-04	7.20E-05	3.87E-04	3.99E-05
270	436781	3724938	3.67E-04	7.26E-05	3.90E-04	4.02E-05
271	436785.1	3724930	3.70E-04	7.31E-05	3.93E-04	4.05E-05
272	436789.1	3724921	3.71E-04	7.34E-05	3.94E-04	4.06E-05
273	436793.1	3724913	3.73E-04	7.36E-05	3.96E-04	4.08E-05
274	436797.1	3724905	3.74E-04	7.39E-05	3.97E-04	4.09E-05
275	436801.1	3724896	3.75E-04	7.41E-05	3.98E-04	4.10E-05
276	436805.1	3724888	3.76E-04	7.43E-05	4.00E-04	4.12E-05
277	436809.2	3724879	3.77E-04	7.45E-05	4.00E-04	4.12E-05
278	436813.2	3724871	3.78E-04	7.46E-05	4.01E-04	4.13E-05
279	436817.2	3724862	3.78E-04	7.47E-05	4.02E-04	4.14E-05
280	436821.2	3724854	3.79E-04	7.48E-05	4.02E-04	4.15E-05
281	436825.2	3724846	3.79E-04	7.49E-05	4.03E-04	4.15E-05
282	436829.3	3724837	3.80E-04	7.50E-05	4.03E-04	4.15E-05
283	436833.3	3724829	3.80E-04	7.50E-05	4.04E-04	4.16E-05
284	436837.3	3724820	3.80E-04	7.50E-05	4.04E-04	4.16E-05
285	436841.3	3724812	3.80E-04	7.50E-05	4.03E-04	4.15E-05
286	436845.3	3724803	3.79E-04	7.49E-05	4.03E-04	4.15E-05
287	436849.3	3724795	3.79E-04	7.48E-05	4.02E-04	4.15E-05
288	436853.4	3724786	3.78E-04	7.47E-05	4.02E-04	4.14E-05
289	436857.4	3724778	3.78E-04	7.46E-05	4.01E-04	4.13E-05
290	436861.4	3724770	3.77E-04	7.45E-05	4.00E-04	4.12E-05
291	436865.4	3724761	3.76E-04	7.43E-05	3.99E-04	4.11E-05
292	436869.4	3724753	3.75E-04	7.40E-05	3.98E-04	4.10E-05
293	436873.5	3724744	3.74E-04	7.38E-05	3.97E-04	4.09E-05
294	436877.5	3724736	3.72E-04	7.35E-05	3.96E-04	4.07E-05
295	436881.5	3724727	3.71E-04	7.32E-05	3.94E-04	4.05E-05
296	436885.5	3724719	3.69E-04	7.29E-05	3.92E-04	4.04E-05
297	436889.5	3724711	3.67E-04	7.25E-05	3.90E-04	4.02E-05
298	436893.5	3724702	3.65E-04	7.22E-05	3.88E-04	4.00E-05
299	436897.6	3724694	3.63E-04	7.18E-05	3.86E-04	3.97E-05
300	436901.6	3724685	3.61E-04	7.13E-05	3.83E-04	3.95E-05
301	436905.6	3724677	3.59E-04	7.09E-05	3.81E-04	3.92E-05
302	436909.6	3724668	3.56E-04	7.03E-05	3.78E-04	3.90E-05
303	436913.6	3724660	3.54E-04	6.98E-05	3.76E-04	3.87E-05
304	436917.7	3724652	3.51E-04	6.93E-05	3.73E-04	3.84E-05

305	436921.7	3724643	3.48E-04	6.87E-05	3.70E-04	3.81E-05
306	436925.7	3724635	3.45E-04	6.81E-05	3.66E-04	3.77E-05
307	436929.7	3724626	3.42E-04	6.75E-05	3.63E-04	3.74E-05
308	436933.7	3724618	3.39E-04	6.69E-05	3.60E-04	3.70E-05
309	436937.8	3724609	3.35E-04	6.62E-05	3.56E-04	3.67E-05
310	436941.8	3724601	3.32E-04	6.55E-05	3.52E-04	3.63E-05
311	436880.4	3725834	4.19E-04	8.27E-05	4.45E-04	4.58E-05
312	436886.7	3725841	4.23E-04	8.36E-05	4.50E-04	4.63E-05
313	436893.1	3725848	4.28E-04	8.46E-05	4.55E-04	4.69E-05
314	436847.5	3725852	3.92E-04	7.75E-05	4.17E-04	4.29E-05
315	436844.4	3725843	3.91E-04	7.71E-05	4.15E-04	4.27E-05
316	436841.3	3725834	3.89E-04	7.69E-05	4.13E-04	4.26E-05
317	436838.2	3725825	3.88E-04	7.66E-05	4.12E-04	4.24E-05
318	436835	3725816	3.87E-04	7.64E-05	4.11E-04	4.23E-05
319	436831.9	3725808	3.85E-04	7.61E-05	4.09E-04	4.22E-05
320	436828.8	3725799	3.84E-04	7.59E-05	4.08E-04	4.20E-05
321	436825.7	3725790	3.83E-04	7.56E-05	4.07E-04	4.19E-05
322	436822.6	3725781	3.82E-04	7.54E-05	4.05E-04	4.17E-05
323	436819.4	3725772	3.81E-04	7.52E-05	4.04E-04	4.16E-05
324	436816.3	3725763	3.80E-04	7.51E-05	4.04E-04	4.16E-05
325	436791.3	3725693	3.74E-04	7.38E-05	3.97E-04	4.09E-05
326	436788.2	3725684	3.72E-04	7.35E-05	3.95E-04	4.07E-05
327	436673	3725079	2.96E-04	5.86E-05	3.15E-04	3.24E-05
328	436677	3725071	2.99E-04	5.91E-05	3.18E-04	3.27E-05
329	436681.1	3725062	3.02E-04	5.97E-05	3.21E-04	3.30E-05
330	436685.1	3725054	3.05E-04	6.03E-05	3.24E-04	3.34E-05
331	436689.1	3725045	3.09E-04	6.10E-05	3.28E-04	3.38E-05
332	436693.2	3725037	3.12E-04	6.17E-05	3.32E-04	3.42E-05
333	436697.2	3725028	3.16E-04	6.24E-05	3.35E-04	3.45E-05
334	436701.2	3725020	3.19E-04	6.30E-05	3.39E-04	3.49E-05
335	436705.3	3725011	3.22E-04	6.36E-05	3.42E-04	3.52E-05
336	436709.3	3725003	3.24E-04	6.41E-05	3.45E-04	3.55E-05
337	436713.3	3724994	3.27E-04	6.46E-05	3.47E-04	3.58E-05
338	436717.3	3724986	3.30E-04	6.52E-05	3.51E-04	3.61E-05
339	436721.4	3724978	3.33E-04	6.58E-05	3.54E-04	3.64E-05
340	436725.4	3724969	3.36E-04	6.64E-05	3.57E-04	3.68E-05
341	436729.4	3724961	3.39E-04	6.69E-05	3.60E-04	3.70E-05
342	436733.5	3724952	3.41E-04	6.74E-05	3.62E-04	3.73E-05
343	436737.5	3724944	3.43E-04	6.78E-05	3.65E-04	3.76E-05
344	436741.5	3724935	3.45E-04	6.81E-05	3.66E-04	3.77E-05
345	436745.6	3724927	3.46E-04	6.84E-05	3.68E-04	3.79E-05
346	436749.6	3724918	3.48E-04	6.87E-05	3.69E-04	3.80E-05
347	436753.6	3724910	3.49E-04	6.89E-05	3.71E-04	3.82E-05
348	436757.7	3724901	3.50E-04	6.92E-05	3.72E-04	3.83E-05
349	436761.7	3724893	3.51E-04	6.94E-05	3.73E-04	3.84E-05
350	436765.7	3724884	3.52E-04	6.96E-05	3.74E-04	3.86E-05
351	436769.8	3724876	3.53E-04	6.98E-05	3.75E-04	3.87E-05
352	436773.8	3724868	3.54E-04	7.00E-05	3.76E-04	3.88E-05
353	436777.8	3724859	3.55E-04	7.01E-05	3.77E-04	3.88E-05
354	436781.9	3724851	3.56E-04	7.03E-05	3.78E-04	3.89E-05
355	436785.9	3724842	3.56E-04	7.04E-05	3.78E-04	3.90E-05
356	436789.9	3724834	3.57E-04	7.05E-05	3.79E-04	3.90E-05

357	436794	3724825	3.57E-04	7.05E-05	3.79E-04	3.91E-05
358	436798	3724817	3.57E-04	7.05E-05	3.79E-04	3.91E-05
359	436802	3724808	3.57E-04	7.06E-05	3.80E-04	3.91E-05
360	436806.1	3724800	3.57E-04	7.05E-05	3.79E-04	3.91E-05
361	436810.1	3724791	3.57E-04	7.05E-05	3.79E-04	3.91E-05
362	436814.1	3724783	3.57E-04	7.05E-05	3.79E-04	3.90E-05
363	436818.2	3724774	3.56E-04	7.04E-05	3.78E-04	3.90E-05
364	436822.2	3724766	3.56E-04	7.03E-05	3.78E-04	3.89E-05
365	436826.2	3724758	3.55E-04	7.02E-05	3.77E-04	3.89E-05
366	436830.3	3724749	3.55E-04	7.00E-05	3.77E-04	3.88E-05
367	436834.3	3724741	3.54E-04	6.98E-05	3.76E-04	3.87E-05
368	436838.3	3724732	3.53E-04	6.97E-05	3.75E-04	3.86E-05
369	436842.4	3724724	3.51E-04	6.94E-05	3.73E-04	3.84E-05
370	436846.4	3724715	3.50E-04	6.92E-05	3.72E-04	3.83E-05
371	436850.4	3724707	3.49E-04	6.89E-05	3.71E-04	3.82E-05
372	436854.5	3724698	3.48E-04	6.86E-05	3.69E-04	3.80E-05
373	436858.5	3724690	3.46E-04	6.83E-05	3.67E-04	3.78E-05
374	436862.5	3724681	3.44E-04	6.80E-05	3.66E-04	3.76E-05
375	436866.6	3724673	3.42E-04	6.76E-05	3.63E-04	3.74E-05
376	436870.6	3724664	3.40E-04	6.72E-05	3.61E-04	3.72E-05
377	436874.6	3724656	3.38E-04	6.68E-05	3.59E-04	3.70E-05
378	436878.7	3724647	3.36E-04	6.64E-05	3.57E-04	3.68E-05
379	436882.7	3724639	3.34E-04	6.60E-05	3.55E-04	3.65E-05
380	436886.7	3724631	3.31E-04	6.55E-05	3.52E-04	3.63E-05
381	436890.8	3724622	3.29E-04	6.50E-05	3.50E-04	3.60E-05
382	436894.8	3724614	3.26E-04	6.45E-05	3.47E-04	3.57E-05
383	436898.8	3724605	3.24E-04	6.39E-05	3.44E-04	3.54E-05
384	436902.9	3724597	3.21E-04	6.35E-05	3.41E-04	3.51E-05
385	436906.9	3724588	3.19E-04	6.29E-05	3.38E-04	3.49E-05
386	436910.9	3724580	3.16E-04	6.24E-05	3.35E-04	3.45E-05
387	436915	3724571	3.13E-04	6.18E-05	3.32E-04	3.42E-05
388	436850.7	3725861	3.94E-04	7.78E-05	4.19E-04	4.31E-05
389	436857	3725868	3.98E-04	7.86E-05	4.23E-04	4.36E-05
390	436863.3	3725875	4.03E-04	7.96E-05	4.28E-04	4.41E-05
391	436817.8	3725878	3.71E-04	7.34E-05	3.94E-04	4.06E-05
392	436814.6	3725870	3.70E-04	7.30E-05	3.93E-04	4.04E-05
393	436811.5	3725861	3.68E-04	7.26E-05	3.91E-04	4.02E-05
394	436808.4	3725852	3.66E-04	7.23E-05	3.89E-04	4.00E-05
395	436805.2	3725843	3.64E-04	7.20E-05	3.87E-04	3.99E-05
396	436802.1	3725834	3.63E-04	7.16E-05	3.85E-04	3.97E-05
397	436799	3725825	3.61E-04	7.14E-05	3.84E-04	3.95E-05
398	436795.8	3725816	3.60E-04	7.11E-05	3.83E-04	3.94E-05
399	436792.7	3725807	3.59E-04	7.09E-05	3.81E-04	3.93E-05
400	436789.6	3725799	3.58E-04	7.07E-05	3.80E-04	3.92E-05
401	436786.4	3725790	3.57E-04	7.05E-05	3.79E-04	3.91E-05
402	436783.3	3725781	3.56E-04	7.03E-05	3.78E-04	3.90E-05
403	436657.5	3725026	2.91E-04	5.75E-05	3.09E-04	3.18E-05
404	436661.6	3725017	2.94E-04	5.81E-05	3.13E-04	3.22E-05
405	436665.6	3725009	2.97E-04	5.87E-05	3.16E-04	3.25E-05
406	436669.6	3725000	3.01E-04	5.94E-05	3.20E-04	3.29E-05
407	436673.7	3724992	3.04E-04	6.00E-05	3.23E-04	3.32E-05
408	436677.7	3724983	3.06E-04	6.05E-05	3.25E-04	3.35E-05

409	436681.8	3724975	3.09E-04	6.10E-05	3.28E-04	3.38E-05
410	436685.8	3724966	3.11E-04	6.15E-05	3.31E-04	3.41E-05
411	436689.9	3724958	3.13E-04	6.19E-05	3.33E-04	3.43E-05
412	436693.9	3724949	3.15E-04	6.23E-05	3.35E-04	3.45E-05
413	436698	3724941	3.17E-04	6.27E-05	3.37E-04	3.47E-05
414	436702	3724932	3.19E-04	6.31E-05	3.39E-04	3.49E-05
415	436706.1	3724924	3.22E-04	6.36E-05	3.42E-04	3.52E-05
416	436710.1	3724915	3.24E-04	6.40E-05	3.44E-04	3.55E-05
417	436714.2	3724907	3.27E-04	6.45E-05	3.47E-04	3.57E-05
418	436718.2	3724898	3.29E-04	6.50E-05	3.50E-04	3.60E-05
419	436722.3	3724890	3.31E-04	6.53E-05	3.51E-04	3.62E-05
420	436726.3	3724881	3.32E-04	6.56E-05	3.53E-04	3.63E-05
421	436730.3	3724873	3.33E-04	6.58E-05	3.54E-04	3.64E-05
422	436734.4	3724864	3.34E-04	6.59E-05	3.54E-04	3.65E-05
423	436738.4	3724856	3.35E-04	6.61E-05	3.55E-04	3.66E-05
424	436742.5	3724847	3.35E-04	6.62E-05	3.56E-04	3.67E-05
425	436746.5	3724839	3.36E-04	6.63E-05	3.57E-04	3.67E-05
426	436750.6	3724830	3.36E-04	6.64E-05	3.57E-04	3.68E-05
427	436754.6	3724822	3.37E-04	6.65E-05	3.58E-04	3.68E-05
428	436758.7	3724813	3.37E-04	6.66E-05	3.58E-04	3.69E-05
429	436762.7	3724805	3.37E-04	6.66E-05	3.58E-04	3.69E-05
430	436766.8	3724796	3.38E-04	6.67E-05	3.59E-04	3.69E-05
431	436770.8	3724788	3.38E-04	6.67E-05	3.59E-04	3.69E-05
432	436774.9	3724779	3.38E-04	6.67E-05	3.59E-04	3.69E-05
433	436778.9	3724771	3.37E-04	6.66E-05	3.58E-04	3.69E-05
434	436782.9	3724762	3.37E-04	6.66E-05	3.58E-04	3.69E-05
435	436787	3724754	3.37E-04	6.65E-05	3.58E-04	3.68E-05
436	436791	3724745	3.36E-04	6.64E-05	3.57E-04	3.68E-05
437	436795.1	3724737	3.36E-04	6.63E-05	3.57E-04	3.67E-05
438	436799.1	3724728	3.35E-04	6.61E-05	3.56E-04	3.66E-05
439	436803.2	3724720	3.34E-04	6.60E-05	3.55E-04	3.66E-05
440	436807.2	3724711	3.33E-04	6.58E-05	3.54E-04	3.64E-05
441	436811.3	3724703	3.32E-04	6.56E-05	3.53E-04	3.63E-05
442	436815.3	3724694	3.31E-04	6.54E-05	3.52E-04	3.62E-05
443	436819.4	3724686	3.30E-04	6.52E-05	3.51E-04	3.61E-05
444	436823.4	3724678	3.29E-04	6.49E-05	3.49E-04	3.60E-05
445	436827.5	3724669	3.27E-04	6.47E-05	3.48E-04	3.58E-05
446	436831.5	3724661	3.26E-04	6.44E-05	3.46E-04	3.57E-05
447	436835.6	3724652	3.24E-04	6.40E-05	3.44E-04	3.55E-05
448	436839.6	3724644	3.22E-04	6.37E-05	3.43E-04	3.53E-05
449	436843.6	3724635	3.21E-04	6.34E-05	3.41E-04	3.51E-05
450	436847.7	3724627	3.19E-04	6.30E-05	3.39E-04	3.49E-05
451	436851.7	3724618	3.17E-04	6.26E-05	3.37E-04	3.47E-05
452	436855.8	3724610	3.15E-04	6.22E-05	3.34E-04	3.44E-05
453	436859.8	3724601	3.13E-04	6.17E-05	3.32E-04	3.42E-05
454	436863.9	3724593	3.10E-04	6.13E-05	3.30E-04	3.39E-05
455	436867.9	3724584	3.08E-04	6.09E-05	3.27E-04	3.37E-05
456	436872	3724576	3.06E-04	6.04E-05	3.25E-04	3.35E-05
457	436876	3724567	3.04E-04	6.00E-05	3.23E-04	3.32E-05
458	436880.1	3724559	3.01E-04	5.95E-05	3.20E-04	3.30E-05
459	436884.1	3724550	2.99E-04	5.90E-05	3.18E-04	3.27E-05
460	436888.2	3724542	2.96E-04	5.85E-05	3.15E-04	3.24E-05

461	436820.9	3725887	3.73E-04	7.37E-05	3.97E-04	4.08E-05
462	436827.2	3725894	3.77E-04	7.46E-05	4.01E-04	4.13E-05
463	436833.5	3725901	3.82E-04	7.54E-05	4.06E-04	4.18E-05
464	436788	3725905	3.53E-04	6.97E-05	3.75E-04	3.86E-05
465	436784.8	3725896	3.51E-04	6.94E-05	3.73E-04	3.84E-05
466	436781.7	3725887	3.50E-04	6.91E-05	3.71E-04	3.83E-05
467	436778.6	3725878	3.48E-04	6.88E-05	3.70E-04	3.81E-05
468	436775.4	3725870	3.47E-04	6.85E-05	3.68E-04	3.79E-05
469	436772.3	3725861	3.45E-04	6.82E-05	3.67E-04	3.78E-05
470	436769.1	3725852	3.44E-04	6.79E-05	3.65E-04	3.76E-05
471	436766	3725843	3.42E-04	6.75E-05	3.63E-04	3.74E-05
472	436762.8	3725834	3.40E-04	6.72E-05	3.61E-04	3.72E-05
473	436759.7	3725825	3.39E-04	6.70E-05	3.60E-04	3.71E-05
474	436756.6	3725816	3.38E-04	6.68E-05	3.59E-04	3.70E-05
475	436753.4	3725807	3.37E-04	6.65E-05	3.58E-04	3.68E-05
476	436750.3	3725798	3.36E-04	6.64E-05	3.57E-04	3.68E-05
477	436747.1	3725789	3.35E-04	6.62E-05	3.56E-04	3.67E-05
478	436650.3	3724955	2.92E-04	5.76E-05	3.10E-04	3.19E-05
479	436654.3	3724946	2.94E-04	5.80E-05	3.12E-04	3.21E-05
480	436658.4	3724938	2.95E-04	5.83E-05	3.14E-04	3.23E-05
481	436662.5	3724929	2.97E-04	5.87E-05	3.15E-04	3.25E-05
482	436666.5	3724921	2.99E-04	5.90E-05	3.18E-04	3.27E-05
483	436670.6	3724912	3.01E-04	5.94E-05	3.19E-04	3.29E-05
484	436674.6	3724904	3.02E-04	5.97E-05	3.21E-04	3.31E-05
485	436678.7	3724895	3.04E-04	6.00E-05	3.23E-04	3.32E-05
486	436682.8	3724887	3.05E-04	6.03E-05	3.24E-04	3.34E-05
487	436686.8	3724878	3.07E-04	6.06E-05	3.26E-04	3.35E-05
488	436690.9	3724870	3.08E-04	6.08E-05	3.27E-04	3.37E-05
489	436694.9	3724861	3.10E-04	6.12E-05	3.29E-04	3.39E-05
490	436699	3724853	3.11E-04	6.14E-05	3.30E-04	3.40E-05
491	436703.1	3724844	3.13E-04	6.18E-05	3.32E-04	3.42E-05
492	436707.1	3724836	3.15E-04	6.22E-05	3.34E-04	3.44E-05
493	436711.2	3724827	3.16E-04	6.24E-05	3.36E-04	3.46E-05
494	436715.2	3724819	3.18E-04	6.27E-05	3.37E-04	3.47E-05
495	436719.3	3724810	3.19E-04	6.31E-05	3.39E-04	3.49E-05
496	436723.3	3724802	3.20E-04	6.32E-05	3.40E-04	3.50E-05
497	436727.4	3724793	3.20E-04	6.32E-05	3.40E-04	3.50E-05
498	436731.5	3724785	3.20E-04	6.32E-05	3.40E-04	3.50E-05
499	436735.5	3724776	3.20E-04	6.33E-05	3.40E-04	3.50E-05
500	436739.6	3724767	3.20E-04	6.33E-05	3.40E-04	3.50E-05
501	436743.6	3724759	3.20E-04	6.33E-05	3.40E-04	3.50E-05
502	436747.7	3724750	3.20E-04	6.32E-05	3.40E-04	3.50E-05
503	436751.8	3724742	3.20E-04	6.32E-05	3.40E-04	3.50E-05
504	436755.8	3724733	3.19E-04	6.31E-05	3.39E-04	3.49E-05
505	436759.9	3724725	3.19E-04	6.30E-05	3.39E-04	3.49E-05
506	436763.9	3724716	3.18E-04	6.29E-05	3.38E-04	3.48E-05
507	436768	3724708	3.18E-04	6.27E-05	3.37E-04	3.47E-05
508	436772.1	3724699	3.17E-04	6.26E-05	3.37E-04	3.47E-05
509	436776.1	3724691	3.16E-04	6.24E-05	3.36E-04	3.46E-05
510	436780.2	3724682	3.15E-04	6.23E-05	3.35E-04	3.45E-05
511	436784.2	3724674	3.14E-04	6.21E-05	3.34E-04	3.44E-05
512	436788.3	3724665	3.13E-04	6.19E-05	3.33E-04	3.43E-05

513	436792.3	3724657	3.12E-04	6.17E-05	3.32E-04	3.42E-05
514	436796.4	3724648	3.11E-04	6.14E-05	3.30E-04	3.40E-05
515	436800.5	3724640	3.10E-04	6.12E-05	3.29E-04	3.39E-05
516	436804.5	3724631	3.08E-04	6.09E-05	3.28E-04	3.37E-05
517	436808.6	3724623	3.07E-04	6.06E-05	3.26E-04	3.35E-05
518	436812.6	3724614	3.05E-04	6.02E-05	3.24E-04	3.34E-05
519	436816.7	3724606	3.03E-04	5.99E-05	3.22E-04	3.32E-05
520	436820.8	3724597	3.02E-04	5.96E-05	3.20E-04	3.30E-05
521	436824.8	3724589	3.00E-04	5.92E-05	3.18E-04	3.28E-05
522	436828.9	3724580	2.98E-04	5.88E-05	3.16E-04	3.26E-05
523	436832.9	3724572	2.96E-04	5.84E-05	3.14E-04	3.24E-05
524	436837	3724563	2.94E-04	5.81E-05	3.12E-04	3.22E-05
525	436841.1	3724555	2.92E-04	5.77E-05	3.10E-04	3.20E-05
526	436845.1	3724546	2.90E-04	5.73E-05	3.08E-04	3.17E-05
527	436849.2	3724538	2.87E-04	5.66E-05	3.04E-04	3.13E-05
528	436853.2	3724529	2.83E-04	5.59E-05	3.00E-04	3.09E-05
529	436857.3	3724520	2.79E-04	5.52E-05	2.97E-04	3.06E-05
530	436861.3	3724512	2.78E-04	5.48E-05	2.95E-04	3.04E-05
531	436791.1	3725914	3.55E-04	7.01E-05	3.77E-04	3.88E-05
532	436797.4	3725921	3.59E-04	7.09E-05	3.81E-04	3.93E-05
533	436803.8	3725928	3.63E-04	7.16E-05	3.85E-04	3.97E-05
534	437276.6	3725541	1.93E-03	3.81E-04	2.05E-03	2.11E-04
535	437288.5	3725555	2.00E-03	3.94E-04	2.12E-03	2.18E-04
536	437300.3	3725568	2.08E-03	4.12E-04	2.21E-03	2.28E-04
537	437242.6	3725549	1.61E-03	3.17E-04	1.71E-03	1.76E-04
538	437254.4	3725562	1.68E-03	3.32E-04	1.78E-03	1.84E-04
539	437244	3725595	1.52E-03	3.01E-04	1.62E-03	1.66E-04
540	437255.8	3725608	1.59E-03	3.15E-04	1.69E-03	1.74E-04
541	437198.2	3725589	1.24E-03	2.45E-04	1.32E-03	1.36E-04
542	437210	3725602	1.29E-03	2.55E-04	1.37E-03	1.41E-04
543	437221.8	3725615	1.34E-03	2.66E-04	1.43E-03	1.47E-04
544	437233.6	3725628	1.40E-03	2.77E-04	1.49E-03	1.54E-04
545	437175.9	3725609	1.09E-03	2.16E-04	1.16E-03	1.20E-04
546	437199.5	3725635	1.19E-03	2.35E-04	1.26E-03	1.30E-04
547	437153.7	3725629	9.73E-04	1.92E-04	1.03E-03	1.06E-04
548	437165.5	3725642	1.01E-03	2.00E-04	1.08E-03	1.11E-04
549	437131.5	3725649	8.80E-04	1.74E-04	9.35E-04	9.63E-05
550	437143.3	3725662	9.13E-04	1.80E-04	9.70E-04	9.99E-05
551	437155.1	3725675	9.48E-04	1.87E-04	1.01E-03	1.04E-04
552	437166.9	3725688	9.85E-04	1.94E-04	1.05E-03	1.08E-04
553	437079.6	3725696	7.03E-04	1.39E-04	7.47E-04	7.69E-05
554	437091.4	3725709	7.25E-04	1.43E-04	7.70E-04	7.93E-05
555	437103.2	3725722	7.48E-04	1.48E-04	7.94E-04	8.18E-05
556	437050	3725723	6.32E-04	1.25E-04	6.71E-04	6.91E-05
557	437032.1	3725763	5.90E-04	1.17E-04	6.27E-04	6.46E-05
558	436990.7	3725777	5.36E-04	1.06E-04	5.70E-04	5.87E-05
559	437002.5	3725790	5.46E-04	1.08E-04	5.80E-04	5.98E-05
560	437014.3	3725803	5.56E-04	1.10E-04	5.91E-04	6.09E-05
561	437026.1	3725816	5.69E-04	1.12E-04	6.04E-04	6.22E-05
562	436961.1	3725804	5.02E-04	9.91E-05	5.33E-04	5.49E-05
563	436972.9	3725817	5.10E-04	1.01E-04	5.42E-04	5.58E-05
564	436984.7	3725830	5.19E-04	1.03E-04	5.51E-04	5.68E-05

565	436996.5	3725843	5.29E-04	1.04E-04	5.62E-04	5.78E-05
566	436931.4	3725831	4.67E-04	9.22E-05	4.96E-04	5.11E-05
567	436943.2	3725844	4.76E-04	9.40E-05	5.06E-04	5.21E-05
568	436955	3725857	4.86E-04	9.60E-05	5.16E-04	5.32E-05
569	436966.9	3725870	4.97E-04	9.81E-05	5.28E-04	5.43E-05
570	436901.8	3725858	4.36E-04	8.60E-05	4.63E-04	4.77E-05
571	436913.6	3725871	4.46E-04	8.81E-05	4.74E-04	4.88E-05
572	436925.4	3725884	4.58E-04	9.04E-05	4.86E-04	5.01E-05
573	436937.2	3725897	4.69E-04	9.26E-05	4.98E-04	5.13E-05
574	436872.1	3725884	4.11E-04	8.11E-05	4.36E-04	4.49E-05
575	436884	3725897	4.21E-04	8.32E-05	4.47E-04	4.61E-05
576	436895.8	3725910	4.32E-04	8.53E-05	4.59E-04	4.73E-05
577	436907.6	3725923	4.43E-04	8.75E-05	4.71E-04	4.85E-05
578	436842.5	3725911	3.88E-04	7.67E-05	4.12E-04	4.25E-05
579	436854.3	3725924	3.97E-04	7.85E-05	4.22E-04	4.35E-05
580	436866.1	3725937	4.08E-04	8.06E-05	4.33E-04	4.46E-05
581	436877.9	3725950	4.18E-04	8.26E-05	4.44E-04	4.57E-05
582	436812.9	3725938	3.69E-04	7.28E-05	3.92E-04	4.03E-05
583	436824.7	3725951	3.78E-04	7.46E-05	4.01E-04	4.13E-05
584	436836.5	3725964	3.87E-04	7.65E-05	4.11E-04	4.24E-05
585	436848.3	3725977	3.97E-04	7.83E-05	4.21E-04	4.34E-05
586	436967.7	3725574	5.46E-04	1.08E-04	5.79E-04	5.97E-05
587	436930.8	3725590	4.89E-04	9.66E-05	5.20E-04	5.35E-05
588	436893.9	3725605	4.47E-04	8.82E-05	4.74E-04	4.88E-05
589	436857	3725621	4.10E-04	8.09E-05	4.35E-04	4.48E-05
590	436820.1	3725636	3.84E-04	7.59E-05	4.08E-04	4.20E-05
591	436730.3	3725022	3.35E-04	6.61E-05	3.55E-04	3.66E-05
592	436692.6	3725009	3.14E-04	6.21E-05	3.34E-04	3.44E-05
593	436654.9	3724995	2.93E-04	5.78E-05	3.11E-04	3.20E-05
594	437486.3	3725583	6.25E-03	1.24E-03	6.64E-03	6.84E-04
595	437493.7	3725589	6.43E-03	1.27E-03	6.83E-03	7.04E-04
596	437501.1	3725596	6.60E-03	1.30E-03	7.01E-03	7.22E-04
597	437508.5	3725602	6.77E-03	1.34E-03	7.20E-03	7.41E-04
598	437436.4	3725567	4.48E-03	8.86E-04	4.76E-03	4.91E-04
599	437443.8	3725573	4.65E-03	9.18E-04	4.94E-03	5.08E-04
600	437451.2	3725579	4.82E-03	9.52E-04	5.12E-03	5.27E-04
601	437458.6	3725586	4.99E-03	9.86E-04	5.30E-03	5.46E-04
602	437466	3725592	5.17E-03	1.02E-03	5.49E-03	5.65E-04
603	437473.4	3725598	5.32E-03	1.05E-03	5.66E-03	5.83E-04
604	437480.7	3725605	5.47E-03	1.08E-03	5.81E-03	5.98E-04
605	437488.1	3725611	5.62E-03	1.11E-03	5.97E-03	6.14E-04
606	437495.5	3725617	5.76E-03	1.14E-03	6.12E-03	6.30E-04
607	437396.3	3725555	3.51E-03	6.93E-04	3.72E-03	3.84E-04
608	437401.3	3725563	3.55E-03	7.01E-04	3.77E-03	3.88E-04
609	437408.7	3725570	3.65E-03	7.22E-04	3.88E-03	4.00E-04
610	437423.5	3725582	3.90E-03	7.70E-04	4.14E-03	4.26E-04
611	437430.8	3725588	4.02E-03	7.95E-04	4.28E-03	4.40E-04
612	437438.2	3725595	4.16E-03	8.21E-04	4.41E-03	4.55E-04
613	437445.6	3725601	4.29E-03	8.47E-04	4.55E-03	4.69E-04
614	437453	3725607	4.42E-03	8.73E-04	4.69E-03	4.83E-04
615	437460.4	3725614	4.55E-03	8.99E-04	4.83E-03	4.98E-04
616	437467.8	3725620	4.69E-03	9.26E-04	4.98E-03	5.13E-04

617	437475.2	3725626	4.82E-03	9.51E-04	5.11E-03	5.27E-04
618	437482.6	3725632	4.93E-03	9.75E-04	5.24E-03	5.40E-04
619	437376.9	3725578	2.97E-03	5.87E-04	3.16E-03	3.25E-04
620	437371.9	3725570	2.94E-03	5.81E-04	3.13E-03	3.22E-04
621	437366.9	3725563	2.91E-03	5.75E-04	3.09E-03	3.18E-04
622	437361.9	3725555	2.88E-03	5.68E-04	3.06E-03	3.15E-04
623	437381.9	3725586	3.00E-03	5.92E-04	3.19E-03	3.28E-04
624	437389.3	3725592	3.08E-03	6.08E-04	3.27E-03	3.37E-04
625	437396.6	3725599	3.15E-03	6.22E-04	3.35E-03	3.45E-04
626	437404	3725605	3.22E-03	6.36E-04	3.42E-03	3.52E-04
627	437455.8	3725649	3.89E-03	7.68E-04	4.13E-03	4.25E-04
628	437463.1	3725655	3.98E-03	7.87E-04	4.23E-03	4.36E-04
629	437357.5	3725601	2.58E-03	5.09E-04	2.74E-03	2.82E-04
630	437352.5	3725593	2.56E-03	5.05E-04	2.72E-03	2.80E-04
631	437362.4	3725609	2.59E-03	5.12E-04	2.75E-03	2.84E-04
632	437369.8	3725615	2.64E-03	5.22E-04	2.81E-03	2.89E-04
633	437377.2	3725622	2.69E-03	5.31E-04	2.85E-03	2.94E-04
634	437384.6	3725628	2.74E-03	5.42E-04	2.91E-03	3.00E-04
635	437392	3725634	2.81E-03	5.55E-04	2.98E-03	3.07E-04
636	437399.4	3725640	2.87E-03	5.68E-04	3.05E-03	3.14E-04
637	437421.5	3725659	3.09E-03	6.10E-04	3.28E-03	3.38E-04
638	437428.9	3725666	3.17E-03	6.25E-04	3.36E-03	3.46E-04
639	437436.3	3725672	3.24E-03	6.40E-04	3.44E-03	3.54E-04
640	437443.7	3725678	3.31E-03	6.54E-04	3.52E-03	3.62E-04
641	437296.5	3725559	2.07E-03	4.09E-04	2.20E-03	2.26E-04
642	437286.2	3725542	2.01E-03	3.98E-04	2.14E-03	2.20E-04
643	437343	3725632	2.29E-03	4.52E-04	2.43E-03	2.51E-04
644	437350.4	3725638	2.33E-03	4.61E-04	2.48E-03	2.55E-04
645	437357.8	3725644	2.38E-03	4.69E-04	2.52E-03	2.60E-04
646	437365.2	3725651	2.42E-03	4.77E-04	2.57E-03	2.64E-04
647	437372.6	3725657	2.46E-03	4.85E-04	2.61E-03	2.69E-04
648	437380	3725663	2.50E-03	4.93E-04	2.65E-03	2.73E-04
649	437387.3	3725670	2.55E-03	5.04E-04	2.71E-03	2.79E-04
650	437409.5	3725688	2.71E-03	5.35E-04	2.87E-03	2.96E-04
651	437416.9	3725695	2.76E-03	5.46E-04	2.94E-03	3.02E-04
652	437424.3	3725701	2.82E-03	5.57E-04	3.00E-03	3.09E-04
653	437303	3725622	1.97E-03	3.88E-04	2.09E-03	2.15E-04
654	437297.9	3725614	1.94E-03	3.83E-04	2.06E-03	2.12E-04
655	437292.8	3725606	1.91E-03	3.78E-04	2.03E-03	2.09E-04
656	437287.6	3725598	1.88E-03	3.72E-04	2.00E-03	2.06E-04
657	437267.1	3725566	1.78E-03	3.51E-04	1.89E-03	1.94E-04
658	437256.9	3725550	1.73E-03	3.42E-04	1.84E-03	1.90E-04
659	437251.7	3725541	1.71E-03	3.37E-04	1.81E-03	1.87E-04
660	437338.4	3725667	2.13E-03	4.21E-04	2.27E-03	2.33E-04
661	437345.7	3725674	2.17E-03	4.28E-04	2.30E-03	2.37E-04
662	437353.1	3725680	2.20E-03	4.35E-04	2.34E-03	2.41E-04
663	437360.5	3725686	2.23E-03	4.41E-04	2.37E-03	2.44E-04
664	437367.9	3725692	2.27E-03	4.48E-04	2.41E-03	2.48E-04
665	437375.3	3725699	2.31E-03	4.56E-04	2.45E-03	2.52E-04
666	437382.7	3725705	2.35E-03	4.64E-04	2.49E-03	2.57E-04
667	437283.7	3725645	1.74E-03	3.44E-04	1.85E-03	1.91E-04
668	437278.6	3725637	1.72E-03	3.39E-04	1.82E-03	1.88E-04

669	437273.5	3725629	1.69E-03	3.35E-04	1.80E-03	1.85E-04
670	437268.4	3725621	1.67E-03	3.30E-04	1.77E-03	1.83E-04
671	437263.3	3725613	1.64E-03	3.25E-04	1.75E-03	1.80E-04
672	437253.1	3725597	1.59E-03	3.14E-04	1.69E-03	1.74E-04
673	437232.7	3725565	1.49E-03	2.93E-04	1.58E-03	1.63E-04
674	437227.6	3725557	1.46E-03	2.89E-04	1.56E-03	1.60E-04
675	437222.4	3725549	1.44E-03	2.85E-04	1.53E-03	1.58E-04
676	437217.3	3725541	1.42E-03	2.81E-04	1.51E-03	1.55E-04
677	437333.7	3725703	1.98E-03	3.91E-04	2.11E-03	2.17E-04
678	437370.7	3725734	2.14E-03	4.23E-04	2.27E-03	2.34E-04
679	437378	3725740	2.17E-03	4.29E-04	2.31E-03	2.38E-04
680	437279.6	3725692	1.59E-03	3.15E-04	1.69E-03	1.74E-04
681	437274.6	3725684	1.58E-03	3.11E-04	1.67E-03	1.72E-04
682	437269.5	3725676	1.56E-03	3.08E-04	1.65E-03	1.70E-04
683	437249.1	3725644	1.48E-03	2.92E-04	1.57E-03	1.62E-04
684	437244.1	3725636	1.46E-03	2.88E-04	1.55E-03	1.60E-04
685	437223.7	3725604	1.37E-03	2.71E-04	1.45E-03	1.50E-04
686	437218.6	3725596	1.35E-03	2.66E-04	1.43E-03	1.48E-04
687	437213.5	3725588	1.33E-03	2.62E-04	1.41E-03	1.45E-04
688	437198.3	3725564	1.27E-03	2.50E-04	1.35E-03	1.39E-04
689	437193.2	3725556	1.25E-03	2.46E-04	1.32E-03	1.36E-04
690	437188.1	3725548	1.22E-03	2.42E-04	1.30E-03	1.34E-04
691	437284.7	3725700	1.61E-03	3.19E-04	1.71E-03	1.76E-04
692	437292.1	3725707	1.65E-03	3.27E-04	1.76E-03	1.81E-04
693	437299.5	3725713	1.69E-03	3.35E-04	1.80E-03	1.85E-04
694	437336.4	3725744	1.87E-03	3.69E-04	1.98E-03	2.04E-04
695	437343.8	3725751	1.89E-03	3.74E-04	2.01E-03	2.07E-04
696	437351.2	3725757	1.92E-03	3.80E-04	2.04E-03	2.10E-04
697	437358.6	3725763	1.95E-03	3.85E-04	2.07E-03	2.13E-04
698	437366	3725770	1.97E-03	3.90E-04	2.10E-03	2.16E-04
699	437260.2	3725715	1.41E-03	2.79E-04	1.50E-03	1.55E-04
700	437255.2	3725707	1.40E-03	2.76E-04	1.48E-03	1.53E-04
701	437250.1	3725699	1.38E-03	2.73E-04	1.47E-03	1.51E-04
702	437245	3725691	1.36E-03	2.70E-04	1.45E-03	1.49E-04
703	437240	3725683	1.35E-03	2.66E-04	1.43E-03	1.47E-04
704	437234.9	3725675	1.33E-03	2.63E-04	1.41E-03	1.45E-04
705	437229.8	3725667	1.31E-03	2.59E-04	1.39E-03	1.44E-04
706	437209.6	3725635	1.24E-03	2.45E-04	1.32E-03	1.36E-04
707	437204.5	3725627	1.23E-03	2.42E-04	1.30E-03	1.34E-04
708	437199.5	3725620	1.21E-03	2.39E-04	1.28E-03	1.32E-04
709	437194.4	3725612	1.19E-03	2.35E-04	1.26E-03	1.30E-04
710	437164	3725564	1.09E-03	2.14E-04	1.15E-03	1.19E-04
711	437158.9	3725556	1.07E-03	2.11E-04	1.13E-03	1.17E-04
712	437153.9	3725548	1.05E-03	2.07E-04	1.11E-03	1.15E-04
713	437265.3	3725723	1.43E-03	2.82E-04	1.52E-03	1.56E-04
714	437294.9	3725748	1.57E-03	3.11E-04	1.67E-03	1.72E-04
715	437324.4	3725774	1.69E-03	3.33E-04	1.79E-03	1.84E-04
716	437331.8	3725780	1.71E-03	3.38E-04	1.82E-03	1.87E-04
717	437339.2	3725786	1.73E-03	3.43E-04	1.84E-03	1.90E-04
718	437346.6	3725792	1.76E-03	3.47E-04	1.87E-03	1.92E-04
719	437225.7	3725714	1.22E-03	2.41E-04	1.30E-03	1.33E-04
720	437220.6	3725706	1.21E-03	2.38E-04	1.28E-03	1.32E-04

721	437215.6	3725698	1.19E-03	2.35E-04	1.26E-03	1.30E-04
722	437210.5	3725690	1.18E-03	2.32E-04	1.25E-03	1.29E-04
723	437205.5	3725683	1.16E-03	2.29E-04	1.23E-03	1.27E-04
724	437200.4	3725675	1.14E-03	2.26E-04	1.22E-03	1.25E-04
725	437175.2	3725635	1.06E-03	2.10E-04	1.13E-03	1.16E-04
726	437170.2	3725627	1.04E-03	2.06E-04	1.11E-03	1.14E-04
727	437165.1	3725619	1.03E-03	2.04E-04	1.09E-03	1.13E-04
728	437160.1	3725611	1.02E-03	2.01E-04	1.08E-03	1.11E-04
729	437155	3725603	1.00E-03	1.98E-04	1.07E-03	1.10E-04
730	437150	3725595	9.88E-04	1.95E-04	1.05E-03	1.08E-04
731	437134.8	3725571	9.49E-04	1.87E-04	1.01E-03	1.04E-04
732	437129.8	3725563	9.35E-04	1.85E-04	9.93E-04	1.02E-04
733	437124.7	3725555	9.20E-04	1.82E-04	9.77E-04	1.01E-04
734	437245.9	3725746	1.28E-03	2.52E-04	1.36E-03	1.40E-04
735	437253.3	3725752	1.31E-03	2.58E-04	1.39E-03	1.43E-04
736	437260.6	3725759	1.33E-03	2.63E-04	1.42E-03	1.46E-04
737	437268	3725765	1.36E-03	2.70E-04	1.45E-03	1.49E-04
738	437275.4	3725771	1.39E-03	2.75E-04	1.48E-03	1.53E-04
739	437282.8	3725778	1.42E-03	2.81E-04	1.51E-03	1.56E-04
740	437312.4	3725803	1.52E-03	3.00E-04	1.61E-03	1.66E-04
741	437319.8	3725809	1.54E-03	3.04E-04	1.64E-03	1.69E-04
742	437327.1	3725815	1.56E-03	3.08E-04	1.66E-03	1.71E-04
743	437221.3	3725761	1.14E-03	2.25E-04	1.21E-03	1.25E-04
744	437216.1	3725753	1.13E-03	2.23E-04	1.20E-03	1.23E-04
745	437210.9	3725745	1.11E-03	2.20E-04	1.18E-03	1.22E-04
746	437205.7	3725736	1.10E-03	2.17E-04	1.17E-03	1.20E-04
747	437169.5	3725679	1.00E-03	1.98E-04	1.07E-03	1.10E-04
748	437164.3	3725671	9.88E-04	1.95E-04	1.05E-03	1.08E-04
749	437159.2	3725663	9.73E-04	1.92E-04	1.03E-03	1.06E-04
750	437154	3725655	9.59E-04	1.89E-04	1.02E-03	1.05E-04
751	437148.8	3725647	9.44E-04	1.86E-04	1.00E-03	1.03E-04
752	437143.6	3725638	9.29E-04	1.83E-04	9.87E-04	1.02E-04
753	437138.5	3725630	9.15E-04	1.81E-04	9.72E-04	1.00E-04
754	437133.3	3725622	9.02E-04	1.78E-04	9.58E-04	9.87E-05
755	437102.2	3725573	8.30E-04	1.64E-04	8.82E-04	9.08E-05
756	437307.7	3725838	1.39E-03	2.75E-04	1.48E-03	1.52E-04
757	437176.1	3725743	9.74E-04	1.92E-04	1.03E-03	1.07E-04
758	437170.9	3725735	9.60E-04	1.90E-04	1.02E-03	1.05E-04
759	437165.8	3725727	9.47E-04	1.87E-04	1.01E-03	1.04E-04
760	437160.6	3725719	9.34E-04	1.84E-04	9.92E-04	1.02E-04
761	437140	3725686	8.84E-04	1.75E-04	9.39E-04	9.67E-05
762	437134.9	3725678	8.72E-04	1.72E-04	9.26E-04	9.54E-05
763	437129.7	3725670	8.61E-04	1.70E-04	9.15E-04	9.42E-05
764	437098.8	3725621	7.96E-04	1.57E-04	8.46E-04	8.71E-05
765	437093.6	3725613	7.86E-04	1.55E-04	8.35E-04	8.60E-05
766	437088.5	3725605	7.76E-04	1.53E-04	8.24E-04	8.48E-05
767	437083.3	3725597	7.65E-04	1.51E-04	8.13E-04	8.37E-05
768	437176	3725814	9.10E-04	1.80E-04	9.66E-04	9.95E-05
769	437170.9	3725806	9.01E-04	1.78E-04	9.57E-04	9.85E-05
770	437165.9	3725798	8.92E-04	1.76E-04	9.47E-04	9.76E-05
771	437160.8	3725790	8.83E-04	1.74E-04	9.38E-04	9.66E-05
772	437155.7	3725782	8.73E-04	1.72E-04	9.27E-04	9.55E-05

773	437125.2	3725734	8.05E-04	1.59E-04	8.55E-04	8.81E-05
774	437120.1	3725726	7.94E-04	1.57E-04	8.43E-04	8.68E-05
775	437115	3725718	7.83E-04	1.55E-04	8.32E-04	8.56E-05
776	437109.9	3725710	7.73E-04	1.53E-04	8.21E-04	8.46E-05
777	437104.8	3725702	7.64E-04	1.51E-04	8.12E-04	8.36E-05
778	437099.8	3725694	7.56E-04	1.49E-04	8.03E-04	8.27E-05
779	437094.7	3725686	7.47E-04	1.48E-04	7.94E-04	8.18E-05
780	437089.6	3725678	7.39E-04	1.46E-04	7.85E-04	8.08E-05
781	437084.5	3725670	7.31E-04	1.44E-04	7.76E-04	8.00E-05
782	437079.4	3725662	7.24E-04	1.43E-04	7.69E-04	7.92E-05
783	437059.1	3725630	6.95E-04	1.37E-04	7.38E-04	7.60E-05
784	437054	3725622	6.87E-04	1.36E-04	7.30E-04	7.51E-05
785	437048.9	3725614	6.79E-04	1.34E-04	7.21E-04	7.43E-05
786	437181.1	3725822	9.18E-04	1.81E-04	9.75E-04	1.00E-04
787	437188.5	3725829	9.35E-04	1.85E-04	9.93E-04	1.02E-04
788	437195.9	3725835	9.51E-04	1.88E-04	1.01E-03	1.04E-04
789	437203.3	3725841	9.68E-04	1.91E-04	1.03E-03	1.06E-04
790	437210.7	3725847	9.86E-04	1.95E-04	1.05E-03	1.08E-04
791	437218.1	3725854	1.00E-03	1.98E-04	1.06E-03	1.10E-04
792	437225.4	3725860	1.02E-03	2.01E-04	1.08E-03	1.11E-04
793	437232.8	3725866	1.03E-03	2.04E-04	1.10E-03	1.13E-04
794	437240.2	3725873	1.05E-03	2.07E-04	1.11E-03	1.14E-04
795	437247.6	3725879	1.06E-03	2.09E-04	1.13E-03	1.16E-04
796	437255	3725885	1.07E-03	2.12E-04	1.14E-03	1.18E-04
797	437262.4	3725891	1.09E-03	2.15E-04	1.16E-03	1.19E-04
798	437150.1	3725845	8.10E-04	1.60E-04	8.61E-04	8.87E-05
799	437144.9	3725837	8.03E-04	1.59E-04	8.53E-04	8.79E-05
800	437119.2	3725796	7.60E-04	1.50E-04	8.07E-04	8.31E-05
801	437114	3725788	7.49E-04	1.48E-04	7.96E-04	8.20E-05
802	437108.9	3725780	7.39E-04	1.46E-04	7.85E-04	8.09E-05
803	437103.8	3725772	7.28E-04	1.44E-04	7.74E-04	7.97E-05
804	437072.9	3725723	6.75E-04	1.33E-04	7.17E-04	7.39E-05
805	437052.3	3725691	6.51E-04	1.29E-04	6.91E-04	7.12E-05
806	437047.2	3725682	6.45E-04	1.27E-04	6.85E-04	7.06E-05
807	437042	3725674	6.40E-04	1.26E-04	6.79E-04	7.00E-05
808	437036.9	3725666	6.34E-04	1.25E-04	6.73E-04	6.93E-05
809	437031.7	3725658	6.28E-04	1.24E-04	6.67E-04	6.87E-05
810	437026.6	3725650	6.21E-04	1.23E-04	6.60E-04	6.80E-05
811	437155.2	3725853	8.17E-04	1.61E-04	8.68E-04	8.94E-05
812	437162.6	3725859	8.32E-04	1.64E-04	8.83E-04	9.10E-05
813	437170	3725865	8.46E-04	1.67E-04	8.98E-04	9.25E-05
814	437177.4	3725872	8.60E-04	1.70E-04	9.13E-04	9.41E-05
815	437184.8	3725878	8.74E-04	1.73E-04	9.28E-04	9.56E-05
816	437192.1	3725884	8.87E-04	1.75E-04	9.42E-04	9.71E-05
817	437199.5	3725891	9.00E-04	1.78E-04	9.56E-04	9.85E-05
818	437206.9	3725897	9.13E-04	1.80E-04	9.69E-04	9.98E-05
819	437214.3	3725903	9.25E-04	1.83E-04	9.82E-04	1.01E-04
820	437221.7	3725909	9.37E-04	1.85E-04	9.95E-04	1.02E-04
821	437229.1	3725916	9.49E-04	1.87E-04	1.01E-03	1.04E-04
822	437236.5	3725922	9.61E-04	1.90E-04	1.02E-03	1.05E-04
823	437124.2	3725875	7.27E-04	1.44E-04	7.73E-04	7.96E-05
824	437119.1	3725867	7.22E-04	1.43E-04	7.67E-04	7.90E-05

825	437114	3725859	7.16E-04	1.41E-04	7.60E-04	7.83E-05
826	437109	3725851	7.09E-04	1.40E-04	7.54E-04	7.76E-05
827	437103.9	3725843	7.02E-04	1.39E-04	7.46E-04	7.68E-05
828	437098.8	3725835	6.94E-04	1.37E-04	7.37E-04	7.59E-05
829	437093.7	3725827	6.85E-04	1.35E-04	7.27E-04	7.49E-05
830	437088.6	3725819	6.76E-04	1.34E-04	7.18E-04	7.40E-05
831	437027.6	3725723	5.99E-04	1.18E-04	6.36E-04	6.55E-05
832	437022.5	3725715	5.94E-04	1.17E-04	6.31E-04	6.50E-05
833	437017.4	3725707	5.89E-04	1.16E-04	6.26E-04	6.44E-05
834	437012.4	3725699	5.84E-04	1.15E-04	6.20E-04	6.39E-05
835	437007.3	3725691	5.78E-04	1.14E-04	6.14E-04	6.33E-05
836	437002.2	3725683	5.73E-04	1.13E-04	6.09E-04	6.27E-05
837	436997.1	3725675	5.69E-04	1.12E-04	6.04E-04	6.22E-05
838	436992	3725667	5.63E-04	1.11E-04	5.98E-04	6.16E-05
839	436986.9	3725659	5.58E-04	1.10E-04	5.93E-04	6.11E-05
840	436981.9	3725651	5.53E-04	1.09E-04	5.87E-04	6.05E-05
841	436936.1	3725579	4.99E-04	9.85E-05	5.30E-04	5.46E-05
842	436931	3725571	4.93E-04	9.75E-05	5.24E-04	5.40E-05
843	437129.3	3725883	7.33E-04	1.45E-04	7.79E-04	8.02E-05
844	437136.7	3725890	7.45E-04	1.47E-04	7.92E-04	8.15E-05
845	437144.1	3725896	7.57E-04	1.50E-04	8.04E-04	8.29E-05
846	437151.5	3725902	7.70E-04	1.52E-04	8.18E-04	8.42E-05
847	437158.9	3725908	7.82E-04	1.54E-04	8.30E-04	8.55E-05
848	437166.2	3725915	7.94E-04	1.57E-04	8.43E-04	8.68E-05
849	437173.6	3725921	8.05E-04	1.59E-04	8.55E-04	8.80E-05
850	437181	3725927	8.15E-04	1.61E-04	8.66E-04	8.92E-05
851	437188.4	3725934	8.26E-04	1.63E-04	8.77E-04	9.03E-05
852	437195.8	3725940	8.36E-04	1.65E-04	8.88E-04	9.14E-05
853	437203.2	3725946	8.46E-04	1.67E-04	8.99E-04	9.26E-05
854	437210.6	3725952	8.57E-04	1.69E-04	9.10E-04	9.38E-05
855	437098.3	3725906	6.58E-04	1.30E-04	6.99E-04	7.19E-05
856	437093.1	3725898	6.52E-04	1.29E-04	6.93E-04	7.13E-05
857	437088	3725890	6.46E-04	1.28E-04	6.86E-04	7.07E-05
858	437082.8	3725881	6.40E-04	1.26E-04	6.80E-04	7.00E-05
859	437077.7	3725873	6.34E-04	1.25E-04	6.73E-04	6.94E-05
860	437072.6	3725865	6.28E-04	1.24E-04	6.67E-04	6.87E-05
861	437067.4	3725857	6.22E-04	1.23E-04	6.61E-04	6.81E-05
862	437062.3	3725849	6.17E-04	1.22E-04	6.55E-04	6.74E-05
863	437057.2	3725841	6.10E-04	1.21E-04	6.48E-04	6.68E-05
864	437052	3725833	6.04E-04	1.19E-04	6.42E-04	6.61E-05
865	437046.9	3725825	5.98E-04	1.18E-04	6.35E-04	6.54E-05
866	437041.7	3725817	5.91E-04	1.17E-04	6.28E-04	6.47E-05
867	437036.6	3725808	5.85E-04	1.16E-04	6.22E-04	6.40E-05
868	437031.5	3725800	5.80E-04	1.14E-04	6.16E-04	6.34E-05
869	437026.3	3725792	5.74E-04	1.13E-04	6.10E-04	6.28E-05
870	437021.2	3725784	5.69E-04	1.12E-04	6.04E-04	6.22E-05
871	437016	3725776	5.64E-04	1.11E-04	5.99E-04	6.17E-05
872	437010.9	3725768	5.61E-04	1.11E-04	5.96E-04	6.14E-05
873	437005.8	3725760	5.58E-04	1.10E-04	5.92E-04	6.10E-05
874	436974.9	3725711	5.33E-04	1.05E-04	5.66E-04	5.83E-05
875	436969.8	3725703	5.29E-04	1.04E-04	5.62E-04	5.78E-05
876	436964.7	3725695	5.24E-04	1.04E-04	5.57E-04	5.74E-05

877	436959.5	3725687	5.20E-04	1.03E-04	5.52E-04	5.69E-05
878	436954.4	3725679	5.16E-04	1.02E-04	5.48E-04	5.64E-05
879	436903	3725598	4.57E-04	9.02E-05	4.85E-04	4.99E-05
880	436897.9	3725590	4.51E-04	8.92E-05	4.79E-04	4.94E-05
881	436892.7	3725582	4.46E-04	8.81E-05	4.74E-04	4.88E-05
882	436887.6	3725574	4.41E-04	8.71E-05	4.68E-04	4.82E-05
883	437103.4	3725914	6.63E-04	1.31E-04	7.04E-04	7.25E-05
884	437110.8	3725920	6.73E-04	1.33E-04	7.15E-04	7.36E-05
885	437118.2	3725926	6.84E-04	1.35E-04	7.27E-04	7.48E-05
886	437125.6	3725933	6.95E-04	1.37E-04	7.38E-04	7.60E-05
887	437133	3725939	7.04E-04	1.39E-04	7.48E-04	7.71E-05
888	437140.3	3725945	7.14E-04	1.41E-04	7.58E-04	7.81E-05
889	437147.7	3725951	7.23E-04	1.43E-04	7.68E-04	7.91E-05
890	437155.1	3725958	7.32E-04	1.45E-04	7.77E-04	8.01E-05
891	437162.5	3725964	7.41E-04	1.46E-04	7.87E-04	8.10E-05
892	437169.9	3725970	7.49E-04	1.48E-04	7.96E-04	8.19E-05
893	437177.3	3725977	7.57E-04	1.50E-04	8.04E-04	8.28E-05
894	437184.7	3725983	7.65E-04	1.51E-04	8.13E-04	8.37E-05
895	437072.3	3725936	6.06E-04	1.20E-04	6.43E-04	6.62E-05
896	437067.1	3725928	6.00E-04	1.19E-04	6.38E-04	6.57E-05
897	437061.9	3725920	5.96E-04	1.18E-04	6.33E-04	6.52E-05
898	437056.7	3725912	5.91E-04	1.17E-04	6.28E-04	6.46E-05
899	437051.6	3725903	5.85E-04	1.16E-04	6.22E-04	6.40E-05
900	437046.4	3725895	5.80E-04	1.15E-04	6.16E-04	6.35E-05
901	437041.2	3725887	5.75E-04	1.14E-04	6.11E-04	6.29E-05
902	437036	3725879	5.70E-04	1.13E-04	6.06E-04	6.24E-05
903	437030.8	3725871	5.65E-04	1.12E-04	6.00E-04	6.18E-05
904	437025.6	3725862	5.59E-04	1.10E-04	5.94E-04	6.12E-05
905	437020.4	3725854	5.54E-04	1.09E-04	5.88E-04	6.06E-05
906	437015.2	3725846	5.49E-04	1.08E-04	5.83E-04	6.00E-05
907	437010	3725838	5.44E-04	1.07E-04	5.78E-04	5.95E-05
908	437004.9	3725830	5.40E-04	1.07E-04	5.74E-04	5.91E-05
909	436999.7	3725822	5.37E-04	1.06E-04	5.70E-04	5.87E-05
910	436994.5	3725813	5.34E-04	1.05E-04	5.67E-04	5.84E-05
911	436989.3	3725805	5.31E-04	1.05E-04	5.64E-04	5.81E-05
912	436984.1	3725797	5.26E-04	1.04E-04	5.59E-04	5.75E-05
913	436978.9	3725789	5.22E-04	1.03E-04	5.54E-04	5.71E-05
914	436973.7	3725781	5.17E-04	1.02E-04	5.49E-04	5.66E-05
915	436968.5	3725773	5.13E-04	1.01E-04	5.45E-04	5.61E-05
916	436963.4	3725764	5.09E-04	1.01E-04	5.41E-04	5.57E-05
917	436958.2	3725756	5.05E-04	9.98E-05	5.37E-04	5.53E-05
918	436927	3725707	4.83E-04	9.55E-05	5.14E-04	5.29E-05
919	436921.9	3725699	4.81E-04	9.50E-05	5.11E-04	5.26E-05
920	436875.2	3725625	4.26E-04	8.41E-05	4.52E-04	4.66E-05
921	436870	3725617	4.21E-04	8.32E-05	4.47E-04	4.61E-05
922	436864.8	3725609	4.17E-04	8.24E-05	4.43E-04	4.56E-05
923	436859.6	3725601	4.13E-04	8.16E-05	4.39E-04	4.52E-05
924	436854.4	3725593	4.09E-04	8.07E-05	4.34E-04	4.47E-05
925	436849.2	3725584	4.04E-04	7.98E-05	4.29E-04	4.42E-05
926	436844	3725576	4.00E-04	7.89E-05	4.24E-04	4.37E-05
927	436838.8	3725568	3.95E-04	7.81E-05	4.20E-04	4.32E-05
928	437077.5	3725944	6.10E-04	1.21E-04	6.48E-04	6.68E-05

929	437084.9	3725951	6.18E-04	1.22E-04	6.57E-04	6.77E-05
930	437092.3	3725957	6.27E-04	1.24E-04	6.66E-04	6.86E-05
931	437099.7	3725963	6.35E-04	1.25E-04	6.75E-04	6.95E-05
932	437107	3725969	6.43E-04	1.27E-04	6.83E-04	7.03E-05
933	437114.4	3725976	6.50E-04	1.28E-04	6.90E-04	7.11E-05
934	437121.8	3725982	6.57E-04	1.30E-04	6.98E-04	7.19E-05
935	437129.2	3725988	6.63E-04	1.31E-04	7.05E-04	7.26E-05
936	437136.6	3725995	6.70E-04	1.32E-04	7.12E-04	7.33E-05
937	437144	3726001	6.78E-04	1.34E-04	7.20E-04	7.41E-05
938	437151.4	3726007	6.86E-04	1.35E-04	7.28E-04	7.50E-05
939	437158.8	3726013	6.93E-04	1.37E-04	7.36E-04	7.58E-05
940	437046.5	3725967	5.76E-04	1.14E-04	6.11E-04	6.30E-05
941	437041.3	3725959	5.71E-04	1.13E-04	6.06E-04	6.24E-05
942	437036.2	3725950	5.65E-04	1.12E-04	6.00E-04	6.18E-05
943	437031.1	3725942	5.60E-04	1.11E-04	5.95E-04	6.12E-05
944	437025.9	3725934	5.55E-04	1.10E-04	5.89E-04	6.07E-05
945	437020.8	3725926	5.50E-04	1.09E-04	5.84E-04	6.01E-05
946	437015.7	3725918	5.44E-04	1.08E-04	5.78E-04	5.95E-05
947	437010.5	3725910	5.39E-04	1.06E-04	5.72E-04	5.90E-05
948	437005.4	3725902	5.34E-04	1.05E-04	5.67E-04	5.84E-05
949	437000.3	3725894	5.28E-04	1.04E-04	5.61E-04	5.78E-05
950	436995.1	3725886	5.24E-04	1.03E-04	5.56E-04	5.73E-05
951	436990	3725878	5.19E-04	1.03E-04	5.51E-04	5.68E-05
952	436984.9	3725870	5.14E-04	1.02E-04	5.46E-04	5.62E-05
953	436979.7	3725861	5.10E-04	1.01E-04	5.41E-04	5.57E-05
954	436974.6	3725853	5.05E-04	9.98E-05	5.37E-04	5.53E-05
955	436969.5	3725845	5.01E-04	9.90E-05	5.32E-04	5.48E-05
956	436964.3	3725837	4.97E-04	9.82E-05	5.28E-04	5.44E-05
957	436959.2	3725829	4.94E-04	9.76E-05	5.25E-04	5.40E-05
958	436954.1	3725821	4.91E-04	9.69E-05	5.21E-04	5.37E-05
959	436948.9	3725813	4.88E-04	9.63E-05	5.18E-04	5.33E-05
960	436943.8	3725805	4.84E-04	9.56E-05	5.14E-04	5.30E-05
961	436938.7	3725797	4.80E-04	9.48E-05	5.10E-04	5.25E-05
962	436933.5	3725789	4.76E-04	9.40E-05	5.06E-04	5.21E-05
963	436928.4	3725781	4.72E-04	9.33E-05	5.02E-04	5.17E-05
964	436923.3	3725772	4.69E-04	9.26E-05	4.98E-04	5.13E-05
965	436918.1	3725764	4.66E-04	9.20E-05	4.95E-04	5.10E-05
966	436913	3725756	4.63E-04	9.14E-05	4.92E-04	5.06E-05
967	436841.1	3725643	4.00E-04	7.90E-05	4.25E-04	4.38E-05
968	436836	3725635	3.94E-04	7.79E-05	4.19E-04	4.32E-05
969	436830.9	3725627	3.90E-04	7.70E-05	4.14E-04	4.26E-05
970	436825.7	3725619	3.86E-04	7.62E-05	4.10E-04	4.22E-05
971	436820.6	3725611	3.82E-04	7.55E-05	4.06E-04	4.18E-05
972	436815.5	3725602	3.79E-04	7.48E-05	4.02E-04	4.14E-05
973	437051.6	3725975	5.80E-04	1.15E-04	6.16E-04	6.34E-05
974	437059	3725981	5.86E-04	1.16E-04	6.23E-04	6.41E-05
975	437066.4	3725987	5.92E-04	1.17E-04	6.29E-04	6.48E-05
976	437073.8	3725994	5.98E-04	1.18E-04	6.36E-04	6.55E-05
977	437081.1	3726000	6.04E-04	1.19E-04	6.41E-04	6.61E-05
978	437088.5	3726006	6.09E-04	1.20E-04	6.47E-04	6.66E-05
979	437095.9	3726012	6.15E-04	1.21E-04	6.53E-04	6.72E-05
980	437103.3	3726019	6.20E-04	1.22E-04	6.58E-04	6.78E-05

981	437110.7	3726025	6.25E-04	1.23E-04	6.64E-04	6.84E-05
982	437118.1	3726031	6.30E-04	1.24E-04	6.69E-04	6.89E-05
983	437125.5	3726038	6.36E-04	1.26E-04	6.76E-04	6.96E-05
984	437132.9	3726044	6.42E-04	1.27E-04	6.82E-04	7.02E-05
985	437020.5	3725997	5.44E-04	1.07E-04	5.78E-04	5.95E-05
986	437015.3	3725989	5.42E-04	1.07E-04	5.75E-04	5.93E-05
987	437010.1	3725981	5.37E-04	1.06E-04	5.71E-04	5.88E-05
988	437005	3725973	5.32E-04	1.05E-04	5.65E-04	5.82E-05
989	436999.8	3725964	5.28E-04	1.04E-04	5.60E-04	5.77E-05
990	436994.6	3725956	5.23E-04	1.03E-04	5.55E-04	5.72E-05
991	436989.4	3725948	5.18E-04	1.02E-04	5.50E-04	5.67E-05
992	436984.3	3725940	5.13E-04	1.01E-04	5.45E-04	5.61E-05
993	436979.1	3725932	5.08E-04	1.00E-04	5.40E-04	5.56E-05
994	436973.9	3725924	5.03E-04	9.94E-05	5.35E-04	5.50E-05
995	436968.7	3725915	4.98E-04	9.84E-05	5.29E-04	5.45E-05
996	436963.5	3725907	4.93E-04	9.75E-05	5.24E-04	5.40E-05
997	436958.4	3725899	4.89E-04	9.66E-05	5.20E-04	5.35E-05
998	436953.2	3725891	4.84E-04	9.56E-05	5.14E-04	5.29E-05
999	436948	3725883	4.79E-04	9.45E-05	5.08E-04	5.24E-05
1000	436942.8	3725875	4.74E-04	9.36E-05	5.03E-04	5.18E-05
1001	436937.7	3725866	4.69E-04	9.26E-05	4.98E-04	5.13E-05
1002	436932.5	3725858	4.65E-04	9.18E-05	4.94E-04	5.08E-05
1003	436927.3	3725850	4.60E-04	9.09E-05	4.89E-04	5.04E-05
1004	436922.1	3725842	4.56E-04	9.01E-05	4.84E-04	4.99E-05
1005	436916.9	3725834	4.52E-04	8.92E-05	4.80E-04	4.94E-05
1006	436911.8	3725826	4.49E-04	8.86E-05	4.77E-04	4.91E-05
1007	436906.6	3725817	4.46E-04	8.81E-05	4.74E-04	4.88E-05
1008	436901.4	3725809	4.44E-04	8.76E-05	4.71E-04	4.85E-05
1009	436896.2	3725801	4.41E-04	8.70E-05	4.68E-04	4.82E-05
1010	436891	3725793	4.38E-04	8.65E-05	4.65E-04	4.79E-05
1011	436885.9	3725785	4.35E-04	8.58E-05	4.62E-04	4.75E-05
1012	436880.7	3725777	4.32E-04	8.53E-05	4.59E-04	4.72E-05
1013	436875.5	3725768	4.29E-04	8.47E-05	4.56E-04	4.69E-05
1014	436870.3	3725760	4.27E-04	8.44E-05	4.54E-04	4.67E-05
1015	436865.2	3725752	4.25E-04	8.40E-05	4.52E-04	4.65E-05
1016	436808.2	3725662	3.82E-04	7.54E-05	4.05E-04	4.17E-05
1017	437025.7	3726005	5.46E-04	1.08E-04	5.80E-04	5.98E-05
1018	437033.1	3726012	5.52E-04	1.09E-04	5.86E-04	6.03E-05
1019	437040.5	3726018	5.57E-04	1.10E-04	5.92E-04	6.10E-05
1020	437047.8	3726024	5.63E-04	1.11E-04	5.98E-04	6.15E-05
1021	437055.2	3726030	5.67E-04	1.12E-04	6.02E-04	6.20E-05
1022	437062.6	3726037	5.72E-04	1.13E-04	6.07E-04	6.26E-05
1023	437070	3726043	5.77E-04	1.14E-04	6.13E-04	6.31E-05
1024	437077.4	3726049	5.82E-04	1.15E-04	6.18E-04	6.37E-05
1025	437084.8	3726055	5.87E-04	1.16E-04	6.23E-04	6.42E-05
1026	437092.2	3726062	5.91E-04	1.17E-04	6.28E-04	6.47E-05
1027	437099.6	3726068	5.96E-04	1.18E-04	6.33E-04	6.52E-05
1028	437107	3726074	6.01E-04	1.19E-04	6.39E-04	6.58E-05
1029	436994.6	3726028	5.07E-04	1.00E-04	5.39E-04	5.55E-05
1030	436989.5	3726020	5.06E-04	1.00E-04	5.38E-04	5.54E-05
1031	436984.4	3726011	5.04E-04	9.96E-05	5.36E-04	5.52E-05
1032	436979.3	3726003	5.02E-04	9.91E-05	5.33E-04	5.49E-05

1033	436974.1	3725995	4.99E-04	9.86E-05	5.30E-04	5.46E-05
1034	436969	3725987	4.96E-04	9.79E-05	5.27E-04	5.42E-05
1035	436963.9	3725979	4.92E-04	9.71E-05	5.22E-04	5.38E-05
1036	436958.7	3725971	4.87E-04	9.63E-05	5.18E-04	5.33E-05
1037	436953.6	3725963	4.83E-04	9.54E-05	5.13E-04	5.28E-05
1038	436948.5	3725955	4.78E-04	9.45E-05	5.08E-04	5.23E-05
1039	436943.4	3725947	4.74E-04	9.36E-05	5.04E-04	5.19E-05
1040	436938.2	3725939	4.70E-04	9.28E-05	4.99E-04	5.14E-05
1041	436933.1	3725931	4.66E-04	9.20E-05	4.95E-04	5.09E-05
1042	436928	3725923	4.61E-04	9.11E-05	4.90E-04	5.05E-05
1043	436922.8	3725914	4.56E-04	9.01E-05	4.85E-04	4.99E-05
1044	436917.7	3725906	4.51E-04	8.91E-05	4.79E-04	4.94E-05
1045	436912.6	3725898	4.46E-04	8.81E-05	4.74E-04	4.88E-05
1046	436907.5	3725890	4.41E-04	8.71E-05	4.69E-04	4.83E-05
1047	436902.3	3725882	4.36E-04	8.62E-05	4.63E-04	4.77E-05
1048	436897.2	3725874	4.31E-04	8.52E-05	4.58E-04	4.72E-05
1049	436892.1	3725866	4.26E-04	8.42E-05	4.53E-04	4.66E-05
1050	436886.9	3725858	4.22E-04	8.34E-05	4.49E-04	4.62E-05
1051	436881.8	3725850	4.19E-04	8.27E-05	4.45E-04	4.58E-05
1052	436866.4	3725825	4.09E-04	8.07E-05	4.34E-04	4.47E-05
1053	436861.3	3725817	4.06E-04	8.02E-05	4.31E-04	4.44E-05
1054	436856.2	3725809	4.03E-04	7.97E-05	4.29E-04	4.41E-05
1055	436851	3725801	4.01E-04	7.92E-05	4.26E-04	4.38E-05
1056	436845.9	3725793	3.98E-04	7.86E-05	4.23E-04	4.35E-05
1057	436840.8	3725785	3.95E-04	7.80E-05	4.20E-04	4.32E-05
1058	436835.7	3725777	3.92E-04	7.74E-05	4.16E-04	4.29E-05
1059	436830.5	3725769	3.90E-04	7.70E-05	4.14E-04	4.26E-05
1060	436825.4	3725761	3.88E-04	7.66E-05	4.12E-04	4.24E-05
1061	436999.8	3726036	5.09E-04	1.00E-04	5.40E-04	5.57E-05
1062	437007.2	3726042	5.13E-04	1.01E-04	5.45E-04	5.61E-05
1063	437014.6	3726048	5.17E-04	1.02E-04	5.49E-04	5.65E-05
1064	437021.9	3726055	5.21E-04	1.03E-04	5.53E-04	5.70E-05
1065	437029.3	3726061	5.25E-04	1.04E-04	5.58E-04	5.75E-05
1066	437036.7	3726067	5.30E-04	1.05E-04	5.63E-04	5.80E-05
1067	437044.1	3726073	5.34E-04	1.06E-04	5.68E-04	5.85E-05
1068	437051.5	3726080	5.40E-04	1.07E-04	5.73E-04	5.90E-05
1069	437058.9	3726086	5.46E-04	1.08E-04	5.80E-04	5.98E-05
1070	437066.3	3726092	5.53E-04	1.09E-04	5.88E-04	6.05E-05
1071	437073.7	3726099	5.61E-04	1.11E-04	5.96E-04	6.14E-05
1072	437081.1	3726105	5.68E-04	1.12E-04	6.04E-04	6.22E-05
1073	436968.7	3726058	4.75E-04	9.38E-05	5.04E-04	5.19E-05
1074	436963.5	3726050	4.74E-04	9.36E-05	5.03E-04	5.18E-05
1075	436958.4	3726042	4.73E-04	9.33E-05	5.02E-04	5.17E-05
1076	436953.2	3726034	4.71E-04	9.31E-05	5.01E-04	5.16E-05
1077	436948	3726025	4.70E-04	9.29E-05	4.99E-04	5.14E-05
1078	436942.9	3726017	4.68E-04	9.25E-05	4.97E-04	5.12E-05
1079	436937.7	3726009	4.66E-04	9.19E-05	4.94E-04	5.09E-05
1080	436932.5	3726001	4.62E-04	9.13E-05	4.91E-04	5.06E-05
1081	436927.3	3725993	4.59E-04	9.06E-05	4.87E-04	5.02E-05
1082	436922.2	3725985	4.55E-04	8.99E-05	4.83E-04	4.98E-05
1083	436917	3725977	4.51E-04	8.90E-05	4.79E-04	4.93E-05
1084	436911.8	3725968	4.46E-04	8.81E-05	4.74E-04	4.88E-05

1085	436906.7	3725960	4.42E-04	8.72E-05	4.69E-04	4.83E-05
1086	436901.5	3725952	4.37E-04	8.64E-05	4.64E-04	4.78E-05
1087	436896.3	3725944	4.33E-04	8.56E-05	4.60E-04	4.74E-05
1088	436891.1	3725936	4.29E-04	8.47E-05	4.55E-04	4.69E-05
1089	436886	3725928	4.24E-04	8.37E-05	4.50E-04	4.64E-05
1090	436880.8	3725919	4.19E-04	8.28E-05	4.45E-04	4.59E-05
1091	436875.6	3725911	4.14E-04	8.19E-05	4.40E-04	4.53E-05
1092	436870.5	3725903	4.10E-04	8.10E-05	4.36E-04	4.49E-05
1093	436865.3	3725895	4.06E-04	8.01E-05	4.31E-04	4.44E-05
1094	436860.1	3725887	4.01E-04	7.93E-05	4.26E-04	4.39E-05
1095	436855	3725879	3.97E-04	7.84E-05	4.22E-04	4.34E-05
1096	436834.3	3725846	3.84E-04	7.58E-05	4.07E-04	4.20E-05
1097	436829.1	3725838	3.80E-04	7.51E-05	4.04E-04	4.16E-05
1098	436823.9	3725830	3.77E-04	7.46E-05	4.01E-04	4.13E-05
1099	436818.8	3725822	3.75E-04	7.40E-05	3.98E-04	4.10E-05
1100	436813.6	3725813	3.72E-04	7.34E-05	3.95E-04	4.07E-05
1101	436808.4	3725805	3.69E-04	7.29E-05	3.92E-04	4.04E-05
1102	436803.3	3725797	3.67E-04	7.24E-05	3.89E-04	4.01E-05
1103	436798.1	3725789	3.64E-04	7.19E-05	3.87E-04	3.98E-05
1104	436792.9	3725781	3.62E-04	7.15E-05	3.84E-04	3.96E-05
1105	436687.9	3725074	3.05E-04	6.03E-05	3.24E-04	3.34E-05
1106	436973.9	3726066	4.76E-04	9.40E-05	5.06E-04	5.21E-05
1107	436981.3	3726072	4.79E-04	9.47E-05	5.09E-04	5.24E-05
1108	436988.7	3726079	4.83E-04	9.54E-05	5.13E-04	5.28E-05
1109	436996	3726085	4.87E-04	9.62E-05	5.17E-04	5.33E-05
1110	437003.4	3726091	4.92E-04	9.71E-05	5.22E-04	5.38E-05
1111	437010.8	3726098	4.96E-04	9.80E-05	5.27E-04	5.43E-05
1112	437018.2	3726104	5.01E-04	9.90E-05	5.32E-04	5.48E-05
1113	437025.6	3726110	5.07E-04	1.00E-04	5.38E-04	5.54E-05
1114	437033	3726116	5.13E-04	1.01E-04	5.45E-04	5.62E-05
1115	437040.4	3726123	5.20E-04	1.03E-04	5.53E-04	5.69E-05
1116	437047.8	3726129	5.28E-04	1.04E-04	5.60E-04	5.77E-05
1117	437055.2	3726135	5.35E-04	1.06E-04	5.68E-04	5.85E-05
1118	436942.8	3726089	4.48E-04	8.84E-05	4.76E-04	4.90E-05
1119	436937.7	3726081	4.47E-04	8.82E-05	4.75E-04	4.89E-05
1120	436932.6	3726072	4.46E-04	8.81E-05	4.74E-04	4.88E-05
1121	436927.5	3726064	4.46E-04	8.80E-05	4.73E-04	4.87E-05
1122	436922.3	3726056	4.45E-04	8.79E-05	4.73E-04	4.87E-05
1123	436917.2	3726048	4.44E-04	8.78E-05	4.72E-04	4.86E-05
1124	436912.1	3726040	4.42E-04	8.74E-05	4.70E-04	4.84E-05
1125	436907	3726032	4.40E-04	8.69E-05	4.68E-04	4.82E-05
1126	436901.8	3726024	4.38E-04	8.65E-05	4.65E-04	4.79E-05
1127	436896.7	3726016	4.35E-04	8.60E-05	4.62E-04	4.76E-05
1128	436891.6	3726008	4.31E-04	8.51E-05	4.58E-04	4.71E-05
1129	436886.5	3726000	4.27E-04	8.43E-05	4.53E-04	4.67E-05
1130	436881.3	3725992	4.22E-04	8.34E-05	4.49E-04	4.62E-05
1131	436876.2	3725984	4.18E-04	8.26E-05	4.44E-04	4.57E-05
1132	436871.1	3725975	4.14E-04	8.18E-05	4.40E-04	4.53E-05
1133	436866	3725967	4.10E-04	8.09E-05	4.35E-04	4.48E-05
1134	436860.8	3725959	4.05E-04	8.00E-05	4.30E-04	4.43E-05
1135	436855.7	3725951	4.01E-04	7.92E-05	4.26E-04	4.38E-05
1136	436850.6	3725943	3.96E-04	7.82E-05	4.21E-04	4.33E-05

1137	436845.5	3725935	3.91E-04	7.73E-05	4.16E-04	4.28E-05
1138	436840.3	3725927	3.86E-04	7.63E-05	4.11E-04	4.23E-05
1139	436835.2	3725919	3.83E-04	7.56E-05	4.07E-04	4.19E-05
1140	436830.1	3725911	3.79E-04	7.49E-05	4.03E-04	4.15E-05
1141	436804.5	3725870	3.63E-04	7.18E-05	3.86E-04	3.97E-05
1142	436799.3	3725862	3.60E-04	7.12E-05	3.83E-04	3.94E-05
1143	436794.2	3725854	3.58E-04	7.06E-05	3.80E-04	3.91E-05
1144	436789.1	3725846	3.55E-04	7.00E-05	3.77E-04	3.88E-05
1145	436784	3725838	3.52E-04	6.95E-05	3.74E-04	3.85E-05
1146	436778.8	3725830	3.49E-04	6.90E-05	3.71E-04	3.82E-05
1147	436773.7	3725822	3.47E-04	6.85E-05	3.69E-04	3.80E-05
1148	436768.6	3725814	3.45E-04	6.81E-05	3.66E-04	3.77E-05
1149	436763.5	3725806	3.42E-04	6.76E-05	3.64E-04	3.75E-05
1150	436948	3726097	4.49E-04	8.86E-05	4.77E-04	4.91E-05
1151	436955.4	3726103	4.52E-04	8.92E-05	4.80E-04	4.94E-05
1152	436962.7	3726109	4.56E-04	9.00E-05	4.84E-04	4.98E-05
1153	436970.1	3726116	4.60E-04	9.09E-05	4.89E-04	5.04E-05
1154	436977.5	3726122	4.66E-04	9.19E-05	4.94E-04	5.09E-05
1155	436984.9	3726128	4.70E-04	9.29E-05	5.00E-04	5.15E-05
1156	436992.3	3726134	4.76E-04	9.40E-05	5.05E-04	5.20E-05
1157	436999.7	3726141	4.82E-04	9.52E-05	5.12E-04	5.27E-05
1158	437007.1	3726147	4.88E-04	9.64E-05	5.18E-04	5.34E-05
1159	437014.5	3726153	4.94E-04	9.77E-05	5.25E-04	5.41E-05
1160	437021.9	3726159	5.01E-04	9.89E-05	5.32E-04	5.48E-05
1161	437029.3	3726166	5.07E-04	1.00E-04	5.39E-04	5.55E-05
1162	437520.1	3725611	7.05E-03	1.39E-03	7.48E-03	7.71E-04
1163	437507.6	3725627	6.00E-03	1.19E-03	6.38E-03	6.57E-04
1164	437495	3725643	5.14E-03	1.02E-03	5.46E-03	5.62E-04
1165	437470.5	3725661	4.07E-03	8.05E-04	4.33E-03	4.46E-04
1166	437482.1	3725671	4.23E-03	8.36E-04	4.49E-03	4.63E-04
1167	437451.7	3725685	3.39E-03	6.70E-04	3.60E-03	3.71E-04
1168	437463.3	3725694	3.51E-03	6.93E-04	3.73E-03	3.84E-04
1169	437432.9	3725708	2.89E-03	5.71E-04	3.07E-03	3.16E-04
1170	437444.6	3725717	2.98E-03	5.89E-04	3.17E-03	3.26E-04
1171	437425.8	3725741	2.58E-03	5.10E-04	2.74E-03	2.83E-04
1172	437407.1	3725764	2.29E-03	4.51E-04	2.43E-03	2.50E-04
1173	437357.9	3725802	1.79E-03	3.54E-04	1.90E-03	1.96E-04
1174	437335.1	3725822	1.59E-03	3.13E-04	1.68E-03	1.73E-04
1175	437344.9	3725830	1.62E-03	3.19E-04	1.72E-03	1.77E-04
1176	437316.1	3725845	1.42E-03	2.80E-04	1.50E-03	1.55E-04
1177	437326.2	3725853	1.44E-03	2.85E-04	1.53E-03	1.58E-04
1178	437271.8	3725899	1.11E-03	2.19E-04	1.18E-03	1.21E-04
1179	437282.4	3725908	1.13E-03	2.23E-04	1.20E-03	1.23E-04
1180	437246.5	3725930	9.78E-04	1.93E-04	1.04E-03	1.07E-04
1181	437257.4	3725939	9.97E-04	1.97E-04	1.06E-03	1.09E-04
1182	437221.2	3725961	8.72E-04	1.72E-04	9.26E-04	9.54E-05
1183	437232.4	3725970	8.86E-04	1.75E-04	9.42E-04	9.70E-05
1184	437195.9	3725992	7.79E-04	1.54E-04	8.27E-04	8.52E-05
1185	437207.3	3726001	7.93E-04	1.57E-04	8.42E-04	8.67E-05
1186	437172.1	3726024	7.07E-04	1.40E-04	7.51E-04	7.74E-05
1187	437182.3	3726033	7.19E-04	1.42E-04	7.64E-04	7.86E-05
1188	437146.8	3726055	6.54E-04	1.29E-04	6.95E-04	7.16E-05

1189	437157.3	3726064	6.63E-04	1.31E-04	7.05E-04	7.26E-05
1190	437121.6	3726086	6.14E-04	1.21E-04	6.53E-04	6.72E-05
1191	437132.3	3726095	6.24E-04	1.23E-04	6.62E-04	6.82E-05
1192	437096.4	3726117	5.82E-04	1.15E-04	6.18E-04	6.36E-05
1193	437107.3	3726126	5.91E-04	1.17E-04	6.28E-04	6.46E-05
1194	437071.1	3726148	5.50E-04	1.09E-04	5.84E-04	6.01E-05
1195	437082.3	3726158	5.60E-04	1.11E-04	5.94E-04	6.12E-05
1196	437045.9	3726179	5.22E-04	1.03E-04	5.54E-04	5.71E-05
1197	437057.2	3726189	5.30E-04	1.05E-04	5.63E-04	5.80E-05
1198	437676.4	3725482	6.85E-02	1.35E-02	7.28E-02	7.50E-03
1199	437598.1	3725573	1.64E-02	3.24E-03	1.74E-02	1.79E-03
1200	437532.2	3725622	7.31E-03	1.44E-03	7.76E-03	7.99E-04
1201	437545.8	3725633	7.59E-03	1.50E-03	8.06E-03	8.30E-04
1202	437519.2	3725637	6.19E-03	1.22E-03	6.57E-03	6.77E-04
1203	437526	3725643	6.29E-03	1.24E-03	6.68E-03	6.88E-04
1204	437493.3	3725681	4.36E-03	8.61E-04	4.63E-03	4.77E-04
1205	437500.1	3725686	4.44E-03	8.77E-04	4.71E-03	4.85E-04
1206	437473.7	3725703	3.61E-03	7.12E-04	3.83E-03	3.95E-04
1207	437480.5	3725709	3.67E-03	7.26E-04	3.90E-03	4.02E-04
1208	437454.1	3725726	3.05E-03	6.03E-04	3.24E-03	3.34E-04
1209	437434.5	3725749	2.63E-03	5.19E-04	2.79E-03	2.88E-04
1210	437414.9	3725771	2.32E-03	4.57E-04	2.46E-03	2.53E-04
1211	437395.3	3725794	2.06E-03	4.07E-04	2.19E-03	2.26E-04
1212	437356.1	3725840	1.64E-03	3.25E-04	1.75E-03	1.80E-04
1213	437362.9	3725845	1.66E-03	3.28E-04	1.76E-03	1.82E-04
1214	437336.6	3725862	1.47E-03	2.91E-04	1.56E-03	1.61E-04
1215	437343.3	3725868	1.49E-03	2.94E-04	1.58E-03	1.63E-04
1216	437290.8	3725915	1.14E-03	2.26E-04	1.22E-03	1.25E-04
1217	437297.6	3725921	1.16E-03	2.28E-04	1.23E-03	1.27E-04
1218	437264.7	3725946	1.01E-03	1.99E-04	1.07E-03	1.10E-04
1219	437271.5	3725951	1.02E-03	2.01E-04	1.08E-03	1.11E-04
1220	437245.4	3725982	9.02E-04	1.78E-04	9.58E-04	9.87E-05
1221	437219.2	3726012	8.06E-04	1.59E-04	8.57E-04	8.82E-05
1222	437193.1	3726042	7.30E-04	1.44E-04	7.75E-04	7.98E-05
1223	437167	3726073	6.71E-04	1.32E-04	7.13E-04	7.34E-05
1224	437140.9	3726103	6.30E-04	1.24E-04	6.69E-04	6.89E-05
1225	437114.7	3726133	5.97E-04	1.18E-04	6.34E-04	6.53E-05
1226	437719.8	3725445	1.44E-01	2.84E-02	1.53E-01	1.57E-02
1227	437728.2	3725437	1.59E-01	3.14E-02	1.69E-01	1.74E-02
1228	437738	3725426	1.81E-01	3.57E-02	1.92E-01	1.98E-02
1229	437726.3	3725452	1.26E-01	2.49E-02	1.34E-01	1.38E-02
1230	437712.3	3725455	1.22E-01	2.40E-02	1.29E-01	1.33E-02
1231	437735.8	3725444	1.38E-01	2.72E-02	1.46E-01	1.51E-02
1232	437745.6	3725432	1.54E-01	3.03E-02	1.63E-01	1.68E-02
1233	437733.3	3725459	1.12E-01	2.21E-02	1.19E-01	1.22E-02
1234	437723.1	3725464	1.06E-01	2.09E-02	1.13E-01	1.16E-02
1235	437712.5	3725465	1.04E-01	2.05E-02	1.10E-01	1.14E-02
1236	437701.5	3725461	1.07E-01	2.11E-02	1.14E-01	1.17E-02
1237	437743.4	3725450	1.21E-01	2.38E-02	1.28E-01	1.32E-02
1238	437753.2	3725439	1.32E-01	2.61E-02	1.40E-01	1.44E-02
1239	437740.6	3725465	1.00E-01	1.98E-02	1.06E-01	1.09E-02
1240	437729.7	3725471	9.53E-02	1.88E-02	1.01E-01	1.04E-02

1241	437712.9	3725474	8.97E-02	1.77E-02	9.53E-02	9.81E-03
1242	437701.2	3725471	9.19E-02	1.81E-02	9.76E-02	1.00E-02
1243	437751	3725457	1.07E-01	2.10E-02	1.13E-01	1.17E-02
1244	437760.9	3725445	1.15E-01	2.26E-02	1.22E-01	1.25E-02
1245	437748	3725472	9.00E-02	1.78E-02	9.56E-02	9.85E-03
1246	437736.6	3725478	8.63E-02	1.70E-02	9.16E-02	9.44E-03
1247	437725.2	3725483	8.03E-02	1.59E-02	8.53E-02	8.78E-03
1248	437713.4	3725484	7.82E-02	1.54E-02	8.31E-02	8.56E-03
1249	437701.2	3725480	7.98E-02	1.58E-02	8.48E-02	8.73E-03
1250	437758.6	3725463	9.49E-02	1.87E-02	1.01E-01	1.04E-02
1251	437755.5	3725478	8.14E-02	1.61E-02	8.65E-02	8.91E-03
1252	437743.7	3725484	7.84E-02	1.55E-02	8.33E-02	8.58E-03
1253	437732	3725490	7.36E-02	1.45E-02	7.82E-02	8.05E-03
1254	437714	3725494	6.88E-02	1.36E-02	7.31E-02	7.53E-03
1255	437701.5	3725490	7.00E-02	1.38E-02	7.44E-02	7.66E-03
1256	437689	3725486	6.99E-02	1.38E-02	7.43E-02	7.65E-03
1257	437766.2	3725470	8.50E-02	1.68E-02	9.03E-02	9.30E-03
1258	437762.9	3725485	7.39E-02	1.46E-02	7.84E-02	8.08E-03
1259	437751	3725491	7.15E-02	1.41E-02	7.60E-02	7.83E-03
1260	437739	3725497	6.77E-02	1.34E-02	7.19E-02	7.41E-03
1261	437727	3725503	6.29E-02	1.24E-02	6.68E-02	6.88E-03
1262	437714.6	3725504	6.10E-02	1.21E-02	6.48E-02	6.68E-03
1263	437701.9	3725500	6.19E-02	1.22E-02	6.57E-02	6.77E-03
1264	437689.1	3725496	6.17E-02	1.22E-02	6.56E-02	6.75E-03
1265	437676.3	3725492	6.05E-02	1.20E-02	6.43E-02	6.62E-03
1266	437773.9	3725476	7.66E-02	1.51E-02	8.14E-02	8.38E-03
1267	437770.5	3725491	6.73E-02	1.33E-02	7.15E-02	7.36E-03
1268	437758.3	3725498	6.55E-02	1.29E-02	6.96E-02	7.16E-03
1269	437746.1	3725504	6.24E-02	1.23E-02	6.63E-02	6.83E-03
1270	437734	3725510	5.84E-02	1.15E-02	6.21E-02	6.39E-03
1271	437715.3	3725514	5.44E-02	1.07E-02	5.78E-02	5.95E-03
1272	437702.3	3725510	5.51E-02	1.09E-02	5.85E-02	6.03E-03
1273	437689.3	3725506	5.49E-02	1.08E-02	5.83E-02	6.01E-03
1274	437676.4	3725501	5.38E-02	1.06E-02	5.72E-02	5.89E-03
1275	437781.5	3725483	6.91E-02	1.37E-02	7.34E-02	7.56E-03
1276	437791.3	3725471	7.18E-02	1.42E-02	7.63E-02	7.85E-03
1277	437778	3725498	6.13E-02	1.21E-02	6.52E-02	6.71E-03
1278	437765.7	3725504	6.02E-02	1.19E-02	6.39E-02	6.58E-03
1279	437753.4	3725511	5.77E-02	1.14E-02	6.13E-02	6.31E-03
1280	437741	3725517	5.43E-02	1.07E-02	5.77E-02	5.94E-03
1281	437728.7	3725523	5.04E-02	9.96E-03	5.36E-02	5.52E-03
1282	437716	3725524	4.88E-02	9.64E-03	5.18E-02	5.34E-03
1283	437702.8	3725520	4.93E-02	9.74E-03	5.24E-02	5.39E-03
1284	437689.7	3725515	4.91E-02	9.70E-03	5.22E-02	5.37E-03
1285	437676.6	3725511	4.82E-02	9.52E-03	5.12E-02	5.27E-03
1286	437789.1	3725489	6.26E-02	1.24E-02	6.65E-02	6.85E-03
1287	437798.9	3725478	6.47E-02	1.28E-02	6.87E-02	7.08E-03
1288	437785.6	3725505	5.61E-02	1.11E-02	5.96E-02	6.14E-03
1289	437773.1	3725511	5.53E-02	1.09E-02	5.88E-02	6.05E-03
1290	437760.7	3725517	5.34E-02	1.05E-02	5.67E-02	5.84E-03
1291	437748.2	3725524	5.06E-02	1.00E-02	5.38E-02	5.54E-03
1292	437735.8	3725530	4.73E-02	9.34E-03	5.03E-02	5.18E-03

1293	437716.7	3725534	4.40E-02	8.69E-03	4.67E-02	4.81E-03
1294	437703.4	3725530	4.44E-02	8.76E-03	4.71E-02	4.85E-03
1295	437690.1	3725525	4.42E-02	8.72E-03	4.69E-02	4.83E-03
1296	437676.9	3725521	4.33E-02	8.56E-03	4.60E-02	4.74E-03
1297	437663.6	3725517	4.19E-02	8.28E-03	4.45E-02	4.59E-03
1298	437796.7	3725496	5.70E-02	1.13E-02	6.06E-02	6.24E-03
1299	437806.5	3725484	5.87E-02	1.16E-02	6.23E-02	6.42E-03
1300	437800.7	3725518	4.72E-02	9.32E-03	5.01E-02	5.16E-03
1301	437788.1	3725524	4.71E-02	9.31E-03	5.01E-02	5.16E-03
1302	437775.4	3725530	4.59E-02	9.07E-03	4.88E-02	5.03E-03
1303	437762.8	3725537	4.41E-02	8.71E-03	4.69E-02	4.83E-03
1304	437750.1	3725543	4.17E-02	8.24E-03	4.43E-02	4.56E-03
1305	437737.5	3725550	3.90E-02	7.70E-03	4.14E-02	4.26E-03
1306	437718.1	3725554	3.63E-02	7.16E-03	3.85E-02	3.97E-03
1307	437704.6	3725550	3.65E-02	7.20E-03	3.87E-02	3.99E-03
1308	437691.2	3725545	3.62E-02	7.16E-03	3.85E-02	3.96E-03
1309	437677.7	3725541	3.56E-02	7.03E-03	3.78E-02	3.89E-03
1310	437664.2	3725536	3.45E-02	6.82E-03	3.67E-02	3.78E-03
1311	437650.7	3725532	3.31E-02	6.53E-03	3.51E-02	3.62E-03
1312	437811.9	3725509	4.77E-02	9.42E-03	5.07E-02	5.22E-03
1313	437821.8	3725497	4.87E-02	9.62E-03	5.17E-02	5.33E-03
1314	437815.9	3725531	4.01E-02	7.92E-03	4.26E-02	4.39E-03
1315	437803.1	3725537	4.04E-02	7.98E-03	4.29E-02	4.42E-03
1316	437790.3	3725544	3.98E-02	7.85E-03	4.22E-02	4.35E-03
1317	437777.5	3725550	3.86E-02	7.62E-03	4.10E-02	4.22E-03
1318	437764.7	3725557	3.69E-02	7.29E-03	3.92E-02	4.04E-03
1319	437752	3725563	3.48E-02	6.88E-03	3.70E-02	3.81E-03
1320	437739.2	3725570	3.26E-02	6.43E-03	3.46E-02	3.56E-03
1321	437719.6	3725574	3.03E-02	5.99E-03	3.22E-02	3.32E-03
1322	437706	3725569	3.05E-02	6.02E-03	3.24E-02	3.33E-03
1323	437692.3	3725565	3.02E-02	5.97E-03	3.21E-02	3.31E-03
1324	437678.7	3725560	2.97E-02	5.86E-03	3.15E-02	3.25E-03
1325	437665.1	3725556	2.89E-02	5.70E-03	3.07E-02	3.16E-03
1326	437651.4	3725551	2.78E-02	5.48E-03	2.95E-02	3.04E-03
1327	437637.8	3725547	2.64E-02	5.22E-03	2.81E-02	2.89E-03
1328	437827.2	3725522	4.03E-02	7.95E-03	4.28E-02	4.40E-03
1329	437837	3725510	4.09E-02	8.08E-03	4.34E-02	4.47E-03
1330	437779.5	3725570	3.27E-02	6.46E-03	3.47E-02	3.58E-03
1331	437766.6	3725576	3.12E-02	6.16E-03	3.31E-02	3.41E-03
1332	437753.7	3725583	2.95E-02	5.82E-03	3.13E-02	3.22E-03
1333	437740.8	3725589	2.76E-02	5.45E-03	2.93E-02	3.02E-03
1334	437721.1	3725594	2.57E-02	5.08E-03	2.73E-02	2.81E-03
1335	437707.3	3725589	2.57E-02	5.08E-03	2.73E-02	2.81E-03
1336	437693.6	3725585	2.55E-02	5.04E-03	2.71E-02	2.79E-03
1337	437679.8	3725580	2.51E-02	4.96E-03	2.67E-02	2.75E-03
1338	437666.1	3725576	2.44E-02	4.83E-03	2.60E-02	2.67E-03
1339	437652.4	3725571	2.36E-02	4.66E-03	2.51E-02	2.58E-03
1340	437638.6	3725567	2.25E-02	4.45E-03	2.39E-02	2.47E-03
1341	437624.9	3725562	2.13E-02	4.22E-03	2.27E-02	2.33E-03
1342	437846.2	3725557	2.96E-02	5.86E-03	3.15E-02	3.24E-03
1343	437833.2	3725563	3.01E-02	5.94E-03	3.20E-02	3.29E-03
1344	437820.3	3725570	3.02E-02	5.96E-03	3.21E-02	3.30E-03

1345	437755.4	3725603	2.51E-02	4.96E-03	2.67E-02	2.75E-03
1346	437742.4	3725609	2.34E-02	4.63E-03	2.49E-02	2.56E-03
1347	437722.6	3725614	2.18E-02	4.30E-03	2.31E-02	2.38E-03
1348	437708.7	3725609	2.18E-02	4.31E-03	2.32E-02	2.39E-03
1349	437694.9	3725605	2.17E-02	4.28E-03	2.30E-02	2.37E-03
1350	437681.1	3725600	2.14E-02	4.23E-03	2.28E-02	2.34E-03
1351	437667.2	3725596	2.08E-02	4.12E-03	2.21E-02	2.28E-03
1352	437653.4	3725591	2.01E-02	3.97E-03	2.14E-02	2.20E-03
1353	437639.6	3725586	1.93E-02	3.81E-03	2.05E-02	2.11E-03
1354	437625.7	3725582	1.84E-02	3.63E-03	1.95E-02	2.01E-03
1355	437611.9	3725577	1.74E-02	3.44E-03	1.85E-02	1.91E-03
1356	437857.6	3725547	2.96E-02	5.84E-03	3.14E-02	3.23E-03
1357	437867.5	3725536	2.98E-02	5.88E-03	3.16E-02	3.26E-03
1358	437861.4	3725569	2.58E-02	5.09E-03	2.74E-02	2.82E-03
1359	437848.4	3725576	2.61E-02	5.16E-03	2.78E-02	2.86E-03
1360	437809.2	3725596	2.59E-02	5.11E-03	2.75E-02	2.83E-03
1361	437796.2	3725603	2.51E-02	4.95E-03	2.66E-02	2.74E-03
1362	437724.1	3725634	1.86E-02	3.67E-03	1.97E-02	2.03E-03
1363	437710.1	3725629	1.86E-02	3.67E-03	1.97E-02	2.03E-03
1364	437696.2	3725625	1.85E-02	3.65E-03	1.96E-02	2.02E-03
1365	437682.3	3725620	1.82E-02	3.60E-03	1.94E-02	1.99E-03
1366	437668.4	3725615	1.78E-02	3.51E-03	1.89E-02	1.94E-03
1367	437654.5	3725611	1.72E-02	3.39E-03	1.82E-02	1.88E-03
1368	437640.6	3725606	1.65E-02	3.27E-03	1.76E-02	1.81E-03
1369	437626.7	3725602	1.59E-02	3.13E-03	1.68E-02	1.73E-03
1370	437612.8	3725597	1.51E-02	2.98E-03	1.60E-02	1.65E-03
1371	437598.9	3725593	1.43E-02	2.82E-03	1.52E-02	1.56E-03
1372	437872.9	3725560	2.57E-02	5.08E-03	2.73E-02	2.81E-03
1373	437882.7	3725549	2.58E-02	5.09E-03	2.74E-02	2.82E-03
1374	437824.2	3725609	2.28E-02	4.51E-03	2.43E-02	2.50E-03
1375	437811.1	3725616	2.23E-02	4.40E-03	2.37E-02	2.44E-03
1376	437798	3725623	2.15E-02	4.25E-03	2.29E-02	2.35E-03
1377	437784.9	3725629	2.06E-02	4.07E-03	2.19E-02	2.25E-03
1378	437771.8	3725636	1.96E-02	3.86E-03	2.08E-02	2.14E-03
1379	437758.7	3725643	1.84E-02	3.63E-03	1.95E-02	2.01E-03
1380	437711.6	3725649	1.59E-02	3.15E-03	1.69E-02	1.74E-03
1381	437697.6	3725644	1.58E-02	3.13E-03	1.68E-02	1.73E-03
1382	437683.7	3725640	1.56E-02	3.09E-03	1.66E-02	1.71E-03
1383	437669.7	3725635	1.53E-02	3.02E-03	1.62E-02	1.67E-03
1384	437655.7	3725631	1.48E-02	2.93E-03	1.58E-02	1.62E-03
1385	437888.1	3725573	2.26E-02	4.47E-03	2.40E-02	2.47E-03
1386	437897.9	3725562	2.26E-02	4.46E-03	2.40E-02	2.47E-03
1387	437891.8	3725595	2.02E-02	4.00E-03	2.15E-02	2.21E-03
1388	437878.7	3725602	2.04E-02	4.03E-03	2.17E-02	2.23E-03
1389	437865.5	3725609	2.05E-02	4.04E-03	2.17E-02	2.24E-03
1390	437812.9	3725636	1.94E-02	3.84E-03	2.06E-02	2.13E-03
1391	437799.8	3725642	1.88E-02	3.71E-03	1.99E-02	2.05E-03
1392	437786.7	3725649	1.79E-02	3.54E-03	1.90E-02	1.96E-03
1393	437773.5	3725656	1.69E-02	3.34E-03	1.80E-02	1.85E-03
1394	437760.4	3725662	1.59E-02	3.14E-03	1.69E-02	1.74E-03
1395	437747.2	3725669	1.48E-02	2.93E-03	1.58E-02	1.62E-03
1396	437699	3725664	1.37E-02	2.71E-03	1.45E-02	1.50E-03

1397	437903.3	3725586	2.00E-02	3.94E-03	2.12E-02	2.18E-03
1398	437913.2	3725575	1.99E-02	3.92E-03	2.11E-02	2.17E-03
1399	437907	3725608	1.80E-02	3.55E-03	1.91E-02	1.96E-03
1400	437893.8	3725615	1.83E-02	3.61E-03	1.94E-02	2.00E-03
1401	437880.7	3725622	1.84E-02	3.63E-03	1.95E-02	2.01E-03
1402	437854.3	3725635	1.83E-02	3.61E-03	1.94E-02	2.00E-03
1403	437841.1	3725642	1.81E-02	3.57E-03	1.92E-02	1.97E-03
1404	437827.9	3725649	1.77E-02	3.49E-03	1.88E-02	1.94E-03
1405	437775.2	3725676	1.48E-02	2.93E-03	1.57E-02	1.62E-03
1406	437762	3725682	1.39E-02	2.75E-03	1.48E-02	1.52E-03
1407	437748.8	3725689	1.30E-02	2.56E-03	1.38E-02	1.42E-03
1408	437588	3725647	9.29E-03	1.84E-03	9.87E-03	1.02E-03
1409	437573.9	3725643	8.75E-03	1.73E-03	9.30E-03	9.57E-04
1410	437559.9	3725638	8.20E-03	1.62E-03	8.71E-03	8.97E-04
1411	437918.5	3725599	1.78E-02	3.51E-03	1.89E-02	1.94E-03
1412	437928.4	3725588	1.77E-02	3.49E-03	1.88E-02	1.93E-03
1413	437922.2	3725621	1.61E-02	3.19E-03	1.71E-02	1.77E-03
1414	437909	3725628	1.64E-02	3.24E-03	1.74E-02	1.80E-03
1415	437895.8	3725635	1.66E-02	3.27E-03	1.76E-02	1.81E-03
1416	437869.4	3725648	1.66E-02	3.27E-03	1.76E-02	1.81E-03
1417	437856.1	3725655	1.64E-02	3.24E-03	1.74E-02	1.79E-03
1418	437842.9	3725662	1.61E-02	3.18E-03	1.71E-02	1.76E-03
1419	437829.7	3725669	1.57E-02	3.11E-03	1.67E-02	1.72E-03
1420	437816.5	3725675	1.52E-02	3.00E-03	1.61E-02	1.66E-03
1421	437776.8	3725695	1.31E-02	2.58E-03	1.39E-02	1.43E-03
1422	437763.6	3725702	1.23E-02	2.42E-03	1.30E-02	1.34E-03
1423	437750.4	3725709	1.15E-02	2.27E-03	1.22E-02	1.26E-03
1424	437589.1	3725667	8.26E-03	1.63E-03	8.77E-03	9.03E-04
1425	437575	3725662	7.86E-03	1.55E-03	8.35E-03	8.60E-04
1426	437560.9	3725658	7.45E-03	1.47E-03	7.91E-03	8.15E-04
1427	437546.8	3725653	6.91E-03	1.36E-03	7.34E-03	7.56E-04
1428	437933.8	3725612	1.59E-02	3.14E-03	1.69E-02	1.74E-03
1429	437943.6	3725601	1.58E-02	3.12E-03	1.68E-02	1.73E-03
1430	437937.5	3725634	1.46E-02	2.88E-03	1.55E-02	1.59E-03
1431	437924.2	3725641	1.49E-02	2.95E-03	1.58E-02	1.63E-03
1432	437911	3725648	1.51E-02	2.98E-03	1.60E-02	1.65E-03
1433	437884.5	3725661	1.51E-02	2.98E-03	1.60E-02	1.65E-03
1434	437871.2	3725668	1.50E-02	2.96E-03	1.59E-02	1.64E-03
1435	437857.9	3725675	1.48E-02	2.92E-03	1.57E-02	1.62E-03
1436	437844.7	3725682	1.45E-02	2.86E-03	1.54E-02	1.58E-03
1437	437831.4	3725688	1.40E-02	2.77E-03	1.49E-02	1.54E-03
1438	437791.7	3725709	1.23E-02	2.44E-03	1.31E-02	1.35E-03
1439	437778.4	3725715	1.16E-02	2.29E-03	1.23E-02	1.27E-03
1440	437562.1	3725678	6.69E-03	1.32E-03	7.10E-03	7.32E-04
1441	437547.9	3725673	6.28E-03	1.24E-03	6.67E-03	6.87E-04
1442	437533.8	3725668	5.86E-03	1.16E-03	6.22E-03	6.41E-04
1443	437949	3725625	1.44E-02	2.84E-03	1.53E-02	1.57E-03
1444	437958.8	3725614	1.42E-02	2.81E-03	1.51E-02	1.56E-03
1445	437960.3	3725654	1.26E-02	2.49E-03	1.34E-02	1.38E-03
1446	437947	3725661	1.29E-02	2.55E-03	1.37E-02	1.41E-03
1447	437933.7	3725667	1.31E-02	2.59E-03	1.39E-02	1.43E-03
1448	437907.1	3725681	1.33E-02	2.62E-03	1.41E-02	1.45E-03

1449	437893.8	3725688	1.32E-02	2.61E-03	1.40E-02	1.44E-03
1450	437880.5	3725694	1.30E-02	2.58E-03	1.39E-02	1.43E-03
1451	437867.3	3725701	1.28E-02	2.53E-03	1.36E-02	1.40E-03
1452	437854	3725708	1.25E-02	2.48E-03	1.33E-02	1.37E-03
1453	437814.1	3725728	1.13E-02	2.23E-03	1.20E-02	1.23E-03
1454	437800.8	3725735	1.07E-02	2.11E-03	1.14E-02	1.17E-03
1455	437521.3	3725693	4.87E-03	9.63E-04	5.18E-03	5.33E-04
1456	437971.8	3725645	1.24E-02	2.44E-03	1.31E-02	1.35E-03
1457	437981.7	3725633	1.23E-02	2.42E-03	1.30E-02	1.34E-03
1458	437983.1	3725673	1.10E-02	2.18E-03	1.17E-02	1.21E-03
1459	437969.8	3725680	1.13E-02	2.23E-03	1.20E-02	1.23E-03
1460	437956.5	3725687	1.15E-02	2.26E-03	1.22E-02	1.25E-03
1461	437929.8	3725700	1.16E-02	2.29E-03	1.23E-02	1.27E-03
1462	437916.5	3725707	1.16E-02	2.29E-03	1.23E-02	1.27E-03
1463	437903.2	3725714	1.15E-02	2.27E-03	1.22E-02	1.26E-03
1464	437889.9	3725721	1.14E-02	2.24E-03	1.21E-02	1.24E-03
1465	437876.5	3725728	1.12E-02	2.20E-03	1.19E-02	1.22E-03
1466	437836.6	3725748	1.03E-02	2.03E-03	1.09E-02	1.12E-03
1467	437823.2	3725755	9.83E-03	1.94E-03	1.04E-02	1.08E-03
1468	437494.7	3725714	3.90E-03	7.71E-04	4.15E-03	4.27E-04
1469	437994.7	3725664	1.08E-02	2.14E-03	1.15E-02	1.18E-03
1470	438004.5	3725653	1.07E-02	2.12E-03	1.14E-02	1.17E-03
1471	438005.9	3725693	9.71E-03	1.92E-03	1.03E-02	1.06E-03
1472	437992.6	3725700	9.94E-03	1.96E-03	1.06E-02	1.09E-03
1473	437979.2	3725706	1.01E-02	2.00E-03	1.07E-02	1.11E-03
1474	437952.5	3725720	1.03E-02	2.03E-03	1.09E-02	1.12E-03
1475	437939.2	3725727	1.03E-02	2.03E-03	1.09E-02	1.12E-03
1476	437925.8	3725734	1.02E-02	2.02E-03	1.08E-02	1.12E-03
1477	437912.5	3725740	1.01E-02	2.00E-03	1.07E-02	1.11E-03
1478	437899.1	3725747	9.97E-03	1.97E-03	1.06E-02	1.09E-03
1479	437859.1	3725768	9.32E-03	1.84E-03	9.90E-03	1.02E-03
1480	437845.7	3725774	8.98E-03	1.77E-03	9.54E-03	9.83E-04
1481	437468	3725734	3.18E-03	6.29E-04	3.38E-03	3.48E-04
1482	438017.5	3725684	9.54E-03	1.89E-03	1.01E-02	1.04E-03
1483	438027.4	3725672	9.44E-03	1.86E-03	1.00E-02	1.03E-03
1484	437975.3	3725739	9.14E-03	1.80E-03	9.70E-03	9.99E-04
1485	437961.9	3725746	9.17E-03	1.81E-03	9.74E-03	1.00E-03
1486	437948.5	3725753	9.15E-03	1.81E-03	9.71E-03	1.00E-03
1487	437935.2	3725760	9.08E-03	1.79E-03	9.64E-03	9.93E-04
1488	437921.8	3725767	8.98E-03	1.77E-03	9.54E-03	9.83E-04
1489	437881.7	3725787	8.46E-03	1.67E-03	8.99E-03	9.26E-04
1490	437868.3	3725794	8.23E-03	1.62E-03	8.74E-03	9.00E-04
1491	437484.1	3725769	3.06E-03	6.04E-04	3.25E-03	3.35E-04
1492	437469.8	3725764	2.91E-03	5.76E-04	3.10E-03	3.19E-04
1493	437455.6	3725759	2.79E-03	5.51E-04	2.96E-03	3.05E-04
1494	438040.4	3725703	8.48E-03	1.67E-03	9.01E-03	9.28E-04
1495	438050.2	3725691	8.36E-03	1.65E-03	8.88E-03	9.15E-04
1496	438051.6	3725732	7.68E-03	1.52E-03	8.16E-03	8.40E-04
1497	438038.2	3725738	7.85E-03	1.55E-03	8.34E-03	8.59E-04
1498	437998	3725759	8.16E-03	1.61E-03	8.67E-03	8.92E-04
1499	437984.6	3725766	8.19E-03	1.62E-03	8.70E-03	8.96E-04
1500	437971.2	3725773	8.19E-03	1.62E-03	8.70E-03	8.96E-04

1501	437957.8	3725779	8.16E-03	1.61E-03	8.67E-03	8.93E-04
1502	437944.4	3725786	8.10E-03	1.60E-03	8.61E-03	8.86E-04
1503	437904.3	3725807	7.73E-03	1.53E-03	8.21E-03	8.46E-04
1504	437890.9	3725814	7.54E-03	1.49E-03	8.01E-03	8.25E-04
1505	437500.3	3725803	2.91E-03	5.76E-04	3.10E-03	3.19E-04
1506	437486	3725798	2.79E-03	5.52E-04	2.97E-03	3.06E-04
1507	437471.7	3725794	2.67E-03	5.28E-04	2.84E-03	2.93E-04
1508	437457.4	3725789	2.57E-03	5.08E-04	2.73E-03	2.82E-04
1509	437443.1	3725784	2.48E-03	4.89E-04	2.63E-03	2.71E-04
1510	437428.9	3725780	2.39E-03	4.71E-04	2.53E-03	2.61E-04
1511	438063.2	3725722	7.56E-03	1.49E-03	8.03E-03	8.27E-04
1512	438073.1	3725711	7.48E-03	1.48E-03	7.95E-03	8.19E-04
1513	438020.8	3725778	7.32E-03	1.45E-03	7.77E-03	8.00E-04
1514	438007.4	3725785	7.36E-03	1.45E-03	7.81E-03	8.05E-04
1515	437994	3725792	7.37E-03	1.46E-03	7.83E-03	8.06E-04
1516	437980.5	3725799	7.36E-03	1.45E-03	7.82E-03	8.05E-04
1517	437967.1	3725806	7.33E-03	1.45E-03	7.78E-03	8.01E-04
1518	437953.7	3725813	7.27E-03	1.44E-03	7.72E-03	7.95E-04
1519	437940.3	3725819	7.18E-03	1.42E-03	7.63E-03	7.86E-04
1520	437926.9	3725826	7.07E-03	1.40E-03	7.51E-03	7.74E-04
1521	437913.5	3725833	6.94E-03	1.37E-03	7.37E-03	7.59E-04
1522	437530.8	3725842	2.86E-03	5.65E-04	3.04E-03	3.13E-04
1523	437502.2	3725833	2.65E-03	5.23E-04	2.82E-03	2.90E-04
1524	437487.9	3725828	2.56E-03	5.05E-04	2.72E-03	2.80E-04
1525	437473.6	3725823	2.46E-03	4.87E-04	2.62E-03	2.69E-04
1526	437459.3	3725819	2.38E-03	4.70E-04	2.53E-03	2.60E-04
1527	437445	3725814	2.30E-03	4.54E-04	2.44E-03	2.52E-04
1528	437430.7	3725809	2.23E-03	4.40E-04	2.37E-03	2.44E-04
1529	437416.4	3725805	2.15E-03	4.26E-04	2.29E-03	2.36E-04
1530	438097.3	3725771	6.18E-03	1.22E-03	6.56E-03	6.76E-04
1531	438083.8	3725777	6.31E-03	1.25E-03	6.71E-03	6.91E-04
1532	437976.4	3725832	6.61E-03	1.31E-03	7.02E-03	7.23E-04
1533	437963	3725839	6.55E-03	1.29E-03	6.96E-03	7.17E-04
1534	437949.6	3725846	6.47E-03	1.28E-03	6.87E-03	7.08E-04
1535	437936.1	3725853	6.36E-03	1.26E-03	6.76E-03	6.96E-04
1536	437547.2	3725877	2.68E-03	5.29E-04	2.85E-03	2.93E-04
1537	437532.9	3725872	2.59E-03	5.12E-04	2.75E-03	2.83E-04
1538	437518.6	3725867	2.51E-03	4.96E-04	2.67E-03	2.74E-04
1539	437504.2	3725863	2.43E-03	4.79E-04	2.58E-03	2.66E-04
1540	437489.9	3725858	2.35E-03	4.64E-04	2.50E-03	2.57E-04
1541	437461.3	3725849	2.20E-03	4.35E-04	2.34E-03	2.41E-04
1542	437447	3725844	2.14E-03	4.22E-04	2.27E-03	2.34E-04
1543	437432.6	3725839	2.07E-03	4.09E-04	2.20E-03	2.27E-04
1544	437418.3	3725834	2.01E-03	3.98E-04	2.14E-03	2.20E-04
1545	437404	3725830	1.95E-03	3.86E-04	2.07E-03	2.14E-04
1546	438108.9	3725761	6.09E-03	1.20E-03	6.47E-03	6.66E-04
1547	438118.8	3725750	6.04E-03	1.19E-03	6.42E-03	6.61E-04
1548	438120.1	3725790	5.59E-03	1.10E-03	5.94E-03	6.12E-04
1549	438106.7	3725797	5.71E-03	1.13E-03	6.06E-03	6.25E-04
1550	438093.2	3725804	5.81E-03	1.15E-03	6.17E-03	6.36E-04
1551	438079.8	3725811	5.89E-03	1.16E-03	6.26E-03	6.44E-04
1552	438066.3	3725817	5.96E-03	1.18E-03	6.33E-03	6.52E-04

1553	438052.9	3725824	6.01E-03	1.19E-03	6.39E-03	6.58E-04
1554	438039.5	3725831	6.05E-03	1.19E-03	6.42E-03	6.62E-04
1555	438026	3725838	6.06E-03	1.20E-03	6.44E-03	6.63E-04
1556	437606.6	3725925	2.75E-03	5.43E-04	2.92E-03	3.01E-04
1557	437592.3	3725921	2.67E-03	5.27E-04	2.83E-03	2.92E-04
1558	437578	3725916	2.60E-03	5.13E-04	2.76E-03	2.84E-04
1559	437549.3	3725907	2.45E-03	4.84E-04	2.60E-03	2.68E-04
1560	437534.9	3725902	2.37E-03	4.69E-04	2.52E-03	2.60E-04
1561	437520.6	3725897	2.30E-03	4.54E-04	2.44E-03	2.52E-04
1562	437506.3	3725893	2.23E-03	4.41E-04	2.37E-03	2.44E-04
1563	437491.9	3725888	2.17E-03	4.29E-04	2.30E-03	2.37E-04
1564	437477.6	3725883	2.11E-03	4.17E-04	2.24E-03	2.31E-04
1565	437463.3	3725878	2.05E-03	4.05E-04	2.18E-03	2.24E-04
1566	437448.9	3725874	1.99E-03	3.94E-04	2.12E-03	2.18E-04
1567	437420.3	3725864	1.88E-03	3.72E-04	2.00E-03	2.06E-04
1568	437405.9	3725860	1.83E-03	3.61E-04	1.94E-03	2.00E-04
1569	437391.6	3725855	1.78E-03	3.51E-04	1.89E-03	1.94E-04
1570	438131.8	3725781	5.52E-03	1.09E-03	5.86E-03	6.04E-04
1571	438141.6	3725769	5.49E-03	1.08E-03	5.83E-03	6.00E-04
1572	438143	3725809	5.09E-03	1.01E-03	5.41E-03	5.57E-04
1573	438129.5	3725816	5.19E-03	1.02E-03	5.51E-03	5.68E-04
1574	438116	3725823	5.28E-03	1.04E-03	5.61E-03	5.78E-04
1575	438102.6	3725830	5.37E-03	1.06E-03	5.70E-03	5.88E-04
1576	438089.1	3725837	5.44E-03	1.07E-03	5.77E-03	5.95E-04
1577	438075.7	3725844	5.48E-03	1.08E-03	5.82E-03	6.00E-04
1578	438062.2	3725851	5.51E-03	1.09E-03	5.86E-03	6.03E-04
1579	438048.8	3725857	5.53E-03	1.09E-03	5.88E-03	6.05E-04
1580	438035.3	3725864	5.54E-03	1.09E-03	5.88E-03	6.06E-04
1581	438021.8	3725871	5.52E-03	1.09E-03	5.87E-03	6.04E-04
1582	438008.4	3725878	5.50E-03	1.09E-03	5.84E-03	6.02E-04
1583	437994.9	3725885	5.46E-03	1.08E-03	5.80E-03	5.97E-04
1584	437623.1	3725960	2.62E-03	5.17E-04	2.78E-03	2.86E-04
1585	437608.8	3725955	2.54E-03	5.02E-04	2.70E-03	2.78E-04
1586	437594.4	3725951	2.47E-03	4.88E-04	2.62E-03	2.70E-04
1587	437580.1	3725946	2.40E-03	4.74E-04	2.55E-03	2.62E-04
1588	437565.7	3725941	2.33E-03	4.60E-04	2.48E-03	2.55E-04
1589	437551.4	3725937	2.27E-03	4.47E-04	2.41E-03	2.48E-04
1590	437508.3	3725922	2.08E-03	4.10E-04	2.21E-03	2.27E-04
1591	437494	3725918	2.02E-03	3.99E-04	2.15E-03	2.21E-04
1592	437479.6	3725913	1.97E-03	3.88E-04	2.09E-03	2.15E-04
1593	437465.3	3725908	1.91E-03	3.78E-04	2.03E-03	2.09E-04
1594	437450.9	3725904	1.86E-03	3.68E-04	1.98E-03	2.04E-04
1595	437436.6	3725899	1.82E-03	3.59E-04	1.93E-03	1.99E-04
1596	437422.3	3725894	1.77E-03	3.49E-04	1.88E-03	1.93E-04
1597	437407.9	3725889	1.72E-03	3.39E-04	1.82E-03	1.88E-04
1598	437364.9	3725875	1.57E-03	3.10E-04	1.67E-03	1.72E-04
1599	438154.6	3725800	5.04E-03	9.95E-04	5.35E-03	5.51E-04
1600	438164.4	3725789	5.00E-03	9.88E-04	5.32E-03	5.47E-04
1601	438165.8	3725829	4.66E-03	9.21E-04	4.95E-03	5.10E-04
1602	438152.3	3725836	4.75E-03	9.39E-04	5.05E-03	5.20E-04
1603	438138.9	3725843	4.83E-03	9.54E-04	5.13E-03	5.28E-04
1604	438125.4	3725849	4.90E-03	9.68E-04	5.21E-03	5.36E-04

1605	438111.9	3725856	4.97E-03	9.81E-04	5.27E-03	5.43E-04
1606	438098.5	3725863	5.01E-03	9.90E-04	5.32E-03	5.48E-04
1607	438085	3725870	5.05E-03	9.97E-04	5.36E-03	5.52E-04
1608	438071.5	3725877	5.07E-03	1.00E-03	5.38E-03	5.54E-04
1609	438058	3725884	5.08E-03	1.00E-03	5.39E-03	5.56E-04
1610	438044.6	3725891	5.08E-03	1.00E-03	5.39E-03	5.55E-04
1611	438031.1	3725898	5.06E-03	9.99E-04	5.37E-03	5.54E-04
1612	438017.6	3725904	5.03E-03	9.94E-04	5.34E-03	5.50E-04
1613	438004.2	3725911	4.99E-03	9.86E-04	5.30E-03	5.46E-04
1614	437611	3725985	2.36E-03	4.67E-04	2.51E-03	2.59E-04
1615	437596.6	3725981	2.30E-03	4.53E-04	2.44E-03	2.51E-04
1616	437582.2	3725976	2.23E-03	4.40E-04	2.37E-03	2.44E-04
1617	437567.9	3725971	2.17E-03	4.28E-04	2.30E-03	2.37E-04
1618	437553.5	3725966	2.10E-03	4.16E-04	2.24E-03	2.30E-04
1619	437539.2	3725962	2.05E-03	4.05E-04	2.18E-03	2.24E-04
1620	437524.8	3725957	1.99E-03	3.94E-04	2.12E-03	2.18E-04
1621	437510.4	3725952	1.94E-03	3.84E-04	2.07E-03	2.13E-04
1622	437467.4	3725938	1.80E-03	3.55E-04	1.91E-03	1.97E-04
1623	437453	3725933	1.75E-03	3.46E-04	1.86E-03	1.92E-04
1624	437438.6	3725929	1.71E-03	3.38E-04	1.82E-03	1.87E-04
1625	437424.3	3725924	1.67E-03	3.30E-04	1.77E-03	1.83E-04
1626	437409.9	3725919	1.63E-03	3.22E-04	1.73E-03	1.78E-04
1627	437381.2	3725910	1.53E-03	3.02E-04	1.62E-03	1.67E-04
1628	437366.8	3725905	1.48E-03	2.92E-04	1.57E-03	1.62E-04
1629	437352.5	3725900	1.43E-03	2.82E-04	1.52E-03	1.56E-04
1630	438177.4	3725820	4.60E-03	9.09E-04	4.89E-03	5.03E-04
1631	438187.3	3725808	4.57E-03	9.02E-04	4.85E-03	5.00E-04
1632	438196.2	3725855	4.16E-03	8.22E-04	4.42E-03	4.55E-04
1633	438182.8	3725862	4.24E-03	8.37E-04	4.50E-03	4.64E-04
1634	438169.3	3725869	4.31E-03	8.51E-04	4.57E-03	4.71E-04
1635	438155.8	3725875	4.37E-03	8.63E-04	4.64E-03	4.78E-04
1636	438142.3	3725882	4.43E-03	8.75E-04	4.70E-03	4.85E-04
1637	438128.8	3725889	4.48E-03	8.84E-04	4.75E-03	4.90E-04
1638	438115.4	3725896	4.51E-03	8.91E-04	4.79E-03	4.93E-04
1639	438101.9	3725903	4.54E-03	8.96E-04	4.82E-03	4.96E-04
1640	438088.4	3725910	4.55E-03	8.98E-04	4.83E-03	4.98E-04
1641	438074.9	3725917	4.55E-03	8.98E-04	4.83E-03	4.97E-04
1642	438061.4	3725924	4.53E-03	8.96E-04	4.82E-03	4.96E-04
1643	438047.9	3725930	4.51E-03	8.90E-04	4.79E-03	4.93E-04
1644	438034.5	3725937	4.47E-03	8.83E-04	4.75E-03	4.89E-04
1645	438021	3725944	4.43E-03	8.74E-04	4.70E-03	4.84E-04
1646	437556.4	3726006	1.92E-03	3.79E-04	2.04E-03	2.10E-04
1647	437542	3726001	1.87E-03	3.70E-04	1.99E-03	2.05E-04
1648	437527.6	3725997	1.83E-03	3.61E-04	1.94E-03	2.00E-04
1649	437513.2	3725992	1.78E-03	3.53E-04	1.90E-03	1.95E-04
1650	437498.9	3725987	1.74E-03	3.44E-04	1.85E-03	1.91E-04
1651	437484.5	3725983	1.70E-03	3.36E-04	1.81E-03	1.86E-04
1652	437470.1	3725978	1.66E-03	3.28E-04	1.77E-03	1.82E-04
1653	437455.7	3725973	1.63E-03	3.21E-04	1.73E-03	1.78E-04
1654	437398.2	3725954	1.46E-03	2.88E-04	1.55E-03	1.60E-04
1655	437383.9	3725949	1.42E-03	2.80E-04	1.50E-03	1.55E-04
1656	437369.5	3725945	1.37E-03	2.71E-04	1.46E-03	1.50E-04

1657	437312	3725926	1.20E-03	2.37E-04	1.27E-03	1.31E-04
1658	438207.9	3725846	4.11E-03	8.12E-04	4.37E-03	4.50E-04
1659	438217.7	3725834	4.09E-03	8.07E-04	4.34E-03	4.47E-04
1660	438226.7	3725881	3.74E-03	7.38E-04	3.97E-03	4.09E-04
1661	438213.2	3725888	3.81E-03	7.52E-04	4.04E-03	4.16E-04
1662	438199.7	3725894	3.88E-03	7.65E-04	4.12E-03	4.24E-04
1663	438186.2	3725901	3.93E-03	7.77E-04	4.18E-03	4.30E-04
1664	438172.7	3725908	3.98E-03	7.86E-04	4.23E-03	4.36E-04
1665	438159.2	3725915	4.02E-03	7.94E-04	4.27E-03	4.40E-04
1666	438145.7	3725922	4.06E-03	8.01E-04	4.31E-03	4.44E-04
1667	438132.2	3725929	4.08E-03	8.06E-04	4.34E-03	4.47E-04
1668	438118.7	3725936	4.10E-03	8.09E-04	4.35E-03	4.48E-04
1669	438105.2	3725943	4.10E-03	8.09E-04	4.35E-03	4.48E-04
1670	438091.8	3725949	4.08E-03	8.06E-04	4.34E-03	4.47E-04
1671	438078.3	3725956	4.06E-03	8.01E-04	4.31E-03	4.44E-04
1672	438064.8	3725963	4.02E-03	7.94E-04	4.27E-03	4.40E-04
1673	438051.3	3725970	3.98E-03	7.87E-04	4.23E-03	4.36E-04
1674	437501.7	3726027	1.61E-03	3.17E-04	1.71E-03	1.76E-04
1675	437487.3	3726022	1.57E-03	3.11E-04	1.67E-03	1.72E-04
1676	437472.9	3726018	1.54E-03	3.04E-04	1.64E-03	1.68E-04
1677	437458.5	3726013	1.51E-03	2.97E-04	1.60E-03	1.65E-04
1678	437444.2	3726008	1.47E-03	2.91E-04	1.56E-03	1.61E-04
1679	437415.4	3725999	1.39E-03	2.74E-04	1.47E-03	1.52E-04
1680	437401	3725994	1.35E-03	2.66E-04	1.43E-03	1.47E-04
1681	437386.6	3725989	1.31E-03	2.58E-04	1.39E-03	1.43E-04
1682	437372.2	3725985	1.27E-03	2.51E-04	1.35E-03	1.39E-04
1683	437329	3725970	1.16E-03	2.29E-04	1.23E-03	1.27E-04
1684	437314.7	3725966	1.12E-03	2.21E-04	1.19E-03	1.23E-04
1685	437300.3	3725961	1.09E-03	2.14E-04	1.15E-03	1.19E-04
1686	437285.9	3725956	1.05E-03	2.08E-04	1.12E-03	1.15E-04
1687	438238.4	3725872	3.69E-03	7.29E-04	3.92E-03	4.04E-04
1688	438248.2	3725860	3.67E-03	7.25E-04	3.90E-03	4.01E-04
1689	438257.2	3725907	3.39E-03	6.69E-04	3.60E-03	3.70E-04
1690	438243.6	3725914	3.45E-03	6.81E-04	3.66E-03	3.77E-04
1691	438230.1	3725920	3.50E-03	6.92E-04	3.72E-03	3.83E-04
1692	438216.6	3725927	3.56E-03	7.02E-04	3.78E-03	3.89E-04
1693	438203.1	3725934	3.60E-03	7.11E-04	3.83E-03	3.94E-04
1694	438189.6	3725941	3.64E-03	7.19E-04	3.87E-03	3.99E-04
1695	438176.1	3725948	3.68E-03	7.27E-04	3.91E-03	4.02E-04
1696	438162.6	3725955	3.71E-03	7.32E-04	3.94E-03	4.06E-04
1697	438149.1	3725962	3.72E-03	7.35E-04	3.95E-03	4.07E-04
1698	438135.6	3725969	3.72E-03	7.35E-04	3.95E-03	4.07E-04
1699	438122.1	3725975	3.71E-03	7.33E-04	3.94E-03	4.06E-04
1700	438108.6	3725982	3.69E-03	7.28E-04	3.92E-03	4.03E-04
1701	438095.1	3725989	3.66E-03	7.23E-04	3.89E-03	4.00E-04
1702	438081.6	3725996	3.63E-03	7.17E-04	3.86E-03	3.97E-04
1703	437519	3726072	1.51E-03	2.99E-04	1.61E-03	1.65E-04
1704	437504.6	3726067	1.48E-03	2.93E-04	1.58E-03	1.62E-04
1705	437418.2	3726039	1.28E-03	2.53E-04	1.36E-03	1.40E-04
1706	437403.8	3726034	1.25E-03	2.46E-04	1.32E-03	1.36E-04
1707	437389.4	3726029	1.21E-03	2.39E-04	1.29E-03	1.32E-04
1708	437346.2	3726015	1.11E-03	2.20E-04	1.18E-03	1.22E-04

1709	437331.8	3726010	1.08E-03	2.13E-04	1.15E-03	1.18E-04
1710	437317.4	3726005	1.05E-03	2.07E-04	1.11E-03	1.15E-04
1711	437303	3726001	1.02E-03	2.01E-04	1.08E-03	1.12E-04
1712	437288.6	3725996	9.90E-04	1.95E-04	1.05E-03	1.08E-04
1713	437274.2	3725991	9.60E-04	1.90E-04	1.02E-03	1.05E-04
1714	437259.8	3725986	9.31E-04	1.84E-04	9.89E-04	1.02E-04
1715	438268.8	3725897	3.34E-03	6.60E-04	3.55E-03	3.66E-04
1716	438278.7	3725886	3.32E-03	6.55E-04	3.52E-03	3.63E-04
1717	438287.6	3725933	3.07E-03	6.06E-04	3.26E-03	3.35E-04
1718	438274.1	3725939	3.13E-03	6.18E-04	3.33E-03	3.43E-04
1719	438260.6	3725946	3.19E-03	6.30E-04	3.39E-03	3.49E-04
1720	438247.1	3725953	3.24E-03	6.40E-04	3.44E-03	3.54E-04
1721	438233.5	3725960	3.28E-03	6.48E-04	3.49E-03	3.59E-04
1722	438220	3725967	3.32E-03	6.55E-04	3.52E-03	3.63E-04
1723	438206.5	3725974	3.35E-03	6.61E-04	3.56E-03	3.66E-04
1724	438193	3725981	3.37E-03	6.66E-04	3.58E-03	3.69E-04
1725	438179.5	3725988	3.39E-03	6.70E-04	3.60E-03	3.71E-04
1726	438166	3725995	3.40E-03	6.72E-04	3.61E-03	3.72E-04
1727	438152.5	3726001	3.40E-03	6.72E-04	3.61E-03	3.72E-04
1728	438138.9	3726008	3.40E-03	6.71E-04	3.61E-03	3.72E-04
1729	438125.4	3726015	3.38E-03	6.68E-04	3.59E-03	3.70E-04
1730	438111.9	3726022	3.35E-03	6.63E-04	3.56E-03	3.67E-04
1731	437493	3726102	1.35E-03	2.66E-04	1.43E-03	1.48E-04
1732	437478.6	3726097	1.32E-03	2.60E-04	1.40E-03	1.44E-04
1733	437464.2	3726093	1.29E-03	2.54E-04	1.37E-03	1.41E-04
1734	437449.8	3726088	1.25E-03	2.48E-04	1.33E-03	1.37E-04
1735	437435.4	3726083	1.22E-03	2.41E-04	1.30E-03	1.34E-04
1736	437363.3	3726059	1.07E-03	2.11E-04	1.13E-03	1.17E-04
1737	437348.9	3726055	1.04E-03	2.05E-04	1.10E-03	1.14E-04
1738	437334.5	3726050	1.01E-03	2.00E-04	1.07E-03	1.11E-04
1739	437320.1	3726045	9.85E-04	1.94E-04	1.05E-03	1.08E-04
1740	437305.7	3726040	9.58E-04	1.89E-04	1.02E-03	1.05E-04
1741	437291.3	3726036	9.33E-04	1.84E-04	9.91E-04	1.02E-04
1742	437276.9	3726031	9.07E-04	1.79E-04	9.64E-04	9.93E-05
1743	437262.5	3726026	8.82E-04	1.74E-04	9.37E-04	9.65E-05
1744	437248.1	3726021	8.56E-04	1.69E-04	9.10E-04	9.37E-05
1745	437233.6	3726017	8.31E-04	1.64E-04	8.83E-04	9.09E-05
1746	438299.3	3725923	3.02E-03	5.97E-04	3.21E-03	3.31E-04
1747	438309.1	3725912	3.00E-03	5.93E-04	3.19E-03	3.28E-04
1748	438304.5	3725965	2.85E-03	5.62E-04	3.02E-03	3.11E-04
1749	438291	3725972	2.91E-03	5.75E-04	3.09E-03	3.18E-04
1750	438277.5	3725979	2.97E-03	5.86E-04	3.15E-03	3.24E-04
1751	438264	3725986	3.01E-03	5.94E-04	3.19E-03	3.29E-04
1752	438250.4	3725993	3.04E-03	6.00E-04	3.23E-03	3.33E-04
1753	438236.9	3726000	3.06E-03	6.05E-04	3.26E-03	3.35E-04
1754	438223.4	3726007	3.09E-03	6.09E-04	3.28E-03	3.37E-04
1755	438209.9	3726014	3.10E-03	6.13E-04	3.30E-03	3.40E-04
1756	438196.3	3726021	3.12E-03	6.16E-04	3.32E-03	3.41E-04
1757	438182.8	3726027	3.13E-03	6.18E-04	3.33E-03	3.42E-04
1758	438169.3	3726034	3.13E-03	6.19E-04	3.33E-03	3.43E-04
1759	438155.8	3726041	3.13E-03	6.18E-04	3.32E-03	3.42E-04
1760	438142.3	3726048	3.12E-03	6.16E-04	3.31E-03	3.41E-04

1761	437452.7	3726128	1.16E-03	2.30E-04	1.24E-03	1.27E-04
1762	437438.2	3726123	1.14E-03	2.24E-04	1.21E-03	1.24E-04
1763	437423.8	3726118	1.11E-03	2.19E-04	1.18E-03	1.21E-04
1764	437409.4	3726113	1.08E-03	2.14E-04	1.15E-03	1.18E-04
1765	437366.1	3726099	1.00E-03	1.97E-04	1.06E-03	1.09E-04
1766	437351.7	3726094	9.75E-04	1.93E-04	1.04E-03	1.07E-04
1767	437337.3	3726090	9.51E-04	1.88E-04	1.01E-03	1.04E-04
1768	437322.9	3726085	9.27E-04	1.83E-04	9.85E-04	1.01E-04
1769	437308.5	3726080	9.04E-04	1.79E-04	9.60E-04	9.89E-05
1770	437294.1	3726075	8.81E-04	1.74E-04	9.35E-04	9.63E-05
1771	437279.6	3726071	8.58E-04	1.70E-04	9.12E-04	9.39E-05
1772	437265.2	3726066	8.36E-04	1.65E-04	8.88E-04	9.14E-05
1773	437250.8	3726061	8.15E-04	1.61E-04	8.65E-04	8.91E-05
1774	437236.4	3726057	7.93E-04	1.57E-04	8.42E-04	8.68E-05
1775	437222	3726052	7.71E-04	1.52E-04	8.19E-04	8.44E-05
1776	437207.5	3726047	7.50E-04	1.48E-04	7.97E-04	8.21E-05
1777	438241.6	3726039	2.86E-03	5.65E-04	3.04E-03	3.13E-04
1778	438228.2	3726046	2.87E-03	5.67E-04	3.05E-03	3.14E-04
1779	438214.9	3726053	2.88E-03	5.69E-04	3.06E-03	3.15E-04
1780	438201.5	3726059	2.89E-03	5.71E-04	3.07E-03	3.16E-04
1781	438188.1	3726066	2.89E-03	5.72E-04	3.07E-03	3.17E-04
1782	438174.7	3726073	2.89E-03	5.71E-04	3.07E-03	3.16E-04
1783	437388	3726145	9.67E-04	1.91E-04	1.03E-03	1.06E-04
1784	437359.5	3726136	9.23E-04	1.82E-04	9.81E-04	1.01E-04
1785	437345.2	3726131	9.03E-04	1.78E-04	9.59E-04	9.88E-05
1786	437331	3726126	8.84E-04	1.75E-04	9.39E-04	9.67E-05
1787	437316.7	3726122	8.64E-04	1.71E-04	9.18E-04	9.45E-05
1788	437302.5	3726117	8.44E-04	1.67E-04	8.96E-04	9.23E-05
1789	437288.2	3726112	8.23E-04	1.63E-04	8.74E-04	9.01E-05
1790	437273.9	3726108	8.04E-04	1.59E-04	8.54E-04	8.80E-05
1791	437259.7	3726103	7.86E-04	1.55E-04	8.35E-04	8.60E-05
1792	437245.4	3726098	7.68E-04	1.52E-04	8.16E-04	8.40E-05
1793	437231.2	3726094	7.50E-04	1.48E-04	7.97E-04	8.21E-05
1794	437216.9	3726089	7.32E-04	1.45E-04	7.78E-04	8.01E-05
1795	437202.6	3726084	7.13E-04	1.41E-04	7.58E-04	7.80E-05
1796	437188.4	3726080	6.96E-04	1.37E-04	7.39E-04	7.61E-05
1797	437347.9	3726171	8.60E-04	1.70E-04	9.13E-04	9.41E-05
1798	437333.6	3726166	8.42E-04	1.66E-04	8.95E-04	9.21E-05
1799	437319.3	3726162	8.25E-04	1.63E-04	8.77E-04	9.03E-05
1800	437305	3726157	8.08E-04	1.60E-04	8.59E-04	8.84E-05
1801	437290.8	3726152	7.91E-04	1.56E-04	8.41E-04	8.66E-05
1802	437276.5	3726147	7.75E-04	1.53E-04	8.23E-04	8.48E-05
1803	437262.2	3726143	7.59E-04	1.50E-04	8.06E-04	8.30E-05
1804	437247.9	3726138	7.42E-04	1.47E-04	7.88E-04	8.12E-05
1805	437233.7	3726133	7.26E-04	1.43E-04	7.71E-04	7.94E-05
1806	437219.4	3726129	7.10E-04	1.40E-04	7.54E-04	7.77E-05
1807	437205.1	3726124	6.94E-04	1.37E-04	7.37E-04	7.59E-05
1808	437190.8	3726119	6.79E-04	1.34E-04	7.21E-04	7.43E-05
1809	437176.5	3726115	6.65E-04	1.31E-04	7.07E-04	7.28E-05
1810	437162.3	3726110	6.52E-04	1.29E-04	6.92E-04	7.13E-05
1811	437336.2	3726206	8.12E-04	1.60E-04	8.63E-04	8.89E-05
1812	437321.9	3726201	7.95E-04	1.57E-04	8.44E-04	8.69E-05

1813	437307.6	3726197	7.78E-04	1.54E-04	8.26E-04	8.51E-05
1814	437293.4	3726192	7.62E-04	1.51E-04	8.10E-04	8.34E-05
1815	437279.1	3726187	7.48E-04	1.48E-04	7.94E-04	8.18E-05
1816	437264.8	3726182	7.34E-04	1.45E-04	7.80E-04	8.03E-05
1817	437250.5	3726178	7.22E-04	1.43E-04	7.66E-04	7.89E-05
1818	437236.2	3726173	7.08E-04	1.40E-04	7.52E-04	7.75E-05
1819	437221.9	3726168	6.94E-04	1.37E-04	7.37E-04	7.59E-05
1820	437207.6	3726164	6.81E-04	1.34E-04	7.23E-04	7.45E-05
1821	437193.3	3726159	6.67E-04	1.32E-04	7.08E-04	7.29E-05
1822	437179	3726154	6.52E-04	1.29E-04	6.92E-04	7.13E-05
1823	437164.7	3726150	6.39E-04	1.26E-04	6.78E-04	6.99E-05
1824	437150.5	3726145	6.28E-04	1.24E-04	6.67E-04	6.87E-05
1825	437136.2	3726140	6.18E-04	1.22E-04	6.56E-04	6.76E-05
1826	437396.1	3726264	8.55E-04	1.69E-04	9.09E-04	9.36E-05
1827	437324.6	3726241	7.73E-04	1.53E-04	8.21E-04	8.46E-05
1828	437310.3	3726236	7.53E-04	1.49E-04	8.00E-04	8.24E-05
1829	437296	3726232	7.35E-04	1.45E-04	7.81E-04	8.05E-05
1830	437281.7	3726227	7.19E-04	1.42E-04	7.64E-04	7.86E-05
1831	437267.4	3726222	7.05E-04	1.39E-04	7.49E-04	7.71E-05
1832	437253.1	3726218	6.94E-04	1.37E-04	7.37E-04	7.59E-05
1833	437238.8	3726213	6.86E-04	1.35E-04	7.29E-04	7.50E-05
1834	437224.5	3726208	6.78E-04	1.34E-04	7.20E-04	7.42E-05
1835	437210.2	3726203	6.67E-04	1.32E-04	7.08E-04	7.30E-05
1836	437195.9	3726199	6.54E-04	1.29E-04	6.95E-04	7.16E-05
1837	437181.6	3726194	6.41E-04	1.27E-04	6.81E-04	7.01E-05
1838	437167.3	3726189	6.27E-04	1.24E-04	6.66E-04	6.86E-05
1839	437153	3726185	6.15E-04	1.21E-04	6.53E-04	6.73E-05
1840	437138.7	3726180	6.04E-04	1.19E-04	6.41E-04	6.61E-05
1841	437124.4	3726175	5.94E-04	1.17E-04	6.31E-04	6.49E-05
1842	437110.1	3726171	5.84E-04	1.15E-04	6.21E-04	6.39E-05
1843	437095.8	3726166	5.72E-04	1.13E-04	6.08E-04	6.26E-05
1844	437413.2	3726309	8.30E-04	1.64E-04	8.82E-04	9.08E-05
1845	437398.9	3726304	8.21E-04	1.62E-04	8.72E-04	8.98E-05
1846	437384.5	3726300	8.13E-04	1.61E-04	8.63E-04	8.89E-05
1847	437370.2	3726295	8.00E-04	1.58E-04	8.50E-04	8.75E-05
1848	437355.9	3726290	7.85E-04	1.55E-04	8.34E-04	8.59E-05
1849	437341.6	3726285	7.69E-04	1.52E-04	8.16E-04	8.41E-05
1850	437327.3	3726281	7.52E-04	1.49E-04	7.99E-04	8.23E-05
1851	437313	3726276	7.35E-04	1.45E-04	7.80E-04	8.04E-05
1852	437298.7	3726271	7.16E-04	1.41E-04	7.61E-04	7.84E-05
1853	437284.3	3726267	6.99E-04	1.38E-04	7.43E-04	7.65E-05
1854	437270	3726262	6.84E-04	1.35E-04	7.26E-04	7.48E-05
1855	437255.7	3726257	6.69E-04	1.32E-04	7.11E-04	7.32E-05
1856	437241.4	3726253	6.57E-04	1.30E-04	6.98E-04	7.19E-05
1857	437227.1	3726248	6.47E-04	1.28E-04	6.87E-04	7.08E-05
1858	437212.8	3726243	6.40E-04	1.26E-04	6.80E-04	7.00E-05
1859	437198.5	3726238	6.33E-04	1.25E-04	6.73E-04	6.93E-05
1860	437184.1	3726234	6.24E-04	1.23E-04	6.63E-04	6.83E-05
1861	437169.8	3726229	6.15E-04	1.21E-04	6.53E-04	6.72E-05
1862	437155.5	3726224	6.04E-04	1.19E-04	6.42E-04	6.61E-05
1863	437141.2	3726220	5.93E-04	1.17E-04	6.30E-04	6.48E-05
1864	437126.9	3726215	5.81E-04	1.15E-04	6.17E-04	6.36E-05

1865	437112.6	3726210	5.70E-04	1.13E-04	6.05E-04	6.23E-05
1866	437098.3	3726206	5.59E-04	1.10E-04	5.94E-04	6.12E-05
1867	437084	3726201	5.49E-04	1.08E-04	5.83E-04	6.01E-05
1868	437069.6	3726196	5.39E-04	1.06E-04	5.73E-04	5.90E-05
1869	437743.6	3725409	2.23E-01	4.41E-02	2.37E-01	2.44E-02
1870	437750.6	3725403	2.24E-01	4.42E-02	2.38E-01	2.45E-02
1871	437753.7	3725417	1.76E-01	3.48E-02	1.87E-01	1.93E-02
1872	437757.4	3725396	2.21E-01	4.37E-02	2.35E-01	2.42E-02
1873	437762.6	3725406	1.81E-01	3.57E-02	1.92E-01	1.98E-02
1874	437763.5	3725417	1.58E-01	3.12E-02	1.68E-01	1.73E-02
1875	437759.9	3725427	1.44E-01	2.84E-02	1.53E-01	1.57E-02
1876	437764.1	3725389	2.14E-01	4.24E-02	2.28E-01	2.35E-02
1877	437769.7	3725399	1.75E-01	3.47E-02	1.86E-01	1.92E-02
1878	437773.3	3725416	1.41E-01	2.78E-02	1.50E-01	1.54E-02
1879	437769.5	3725428	1.30E-01	2.56E-02	1.38E-01	1.42E-02
1880	437770.8	3725381	2.04E-01	4.03E-02	2.17E-01	2.23E-02
1881	437776.5	3725392	1.69E-01	3.33E-02	1.79E-01	1.85E-02
1882	437782.3	3725404	1.41E-01	2.78E-02	1.50E-01	1.54E-02
1883	437783.2	3725416	1.26E-01	2.48E-02	1.34E-01	1.38E-02
1884	437777.4	3725374	1.92E-01	3.79E-02	2.04E-01	2.10E-02
1885	437783.3	3725385	1.60E-01	3.17E-02	1.70E-01	1.75E-02
1886	437789.2	3725397	1.35E-01	2.67E-02	1.43E-01	1.48E-02
1887	437785	3725440	9.87E-02	1.95E-02	1.05E-01	1.08E-02
1888	437783.9	3725366	1.79E-01	3.54E-02	1.90E-01	1.96E-02
1889	437790	3725378	1.51E-01	2.99E-02	1.61E-01	1.65E-02
1890	437796	3725390	1.28E-01	2.53E-02	1.36E-01	1.40E-02
1891	437798.9	3725427	9.58E-02	1.89E-02	1.02E-01	1.05E-02
1892	437794.8	3725440	9.02E-02	1.78E-02	9.59E-02	9.87E-03
1893	437790.5	3725359	1.66E-01	3.27E-02	1.76E-01	1.81E-02
1894	437796.6	3725371	1.42E-01	2.80E-02	1.50E-01	1.55E-02
1895	437802.8	3725383	1.21E-01	2.39E-02	1.29E-01	1.32E-02
1896	437813	3725414	8.95E-02	1.77E-02	9.50E-02	9.79E-03
1897	437808.8	3725427	8.65E-02	1.71E-02	9.19E-02	9.46E-03
1898	437804.6	3725439	8.24E-02	1.63E-02	8.75E-02	9.01E-03
1899	437800.4	3725452	7.77E-02	1.53E-02	8.25E-02	8.50E-03
1900	437797	3725351	1.53E-01	3.02E-02	1.62E-01	1.67E-02
1901	437803.3	3725363	1.32E-01	2.60E-02	1.40E-01	1.44E-02
1902	437809.5	3725376	1.14E-01	2.25E-02	1.21E-01	1.24E-02
1903	437821.9	3725400	8.61E-02	1.70E-02	9.14E-02	9.41E-03
1904	437822.9	3725413	8.00E-02	1.58E-02	8.50E-02	8.75E-03
1905	437818.7	3725426	7.81E-02	1.54E-02	8.30E-02	8.54E-03
1906	437814.4	3725439	7.52E-02	1.48E-02	7.98E-02	8.22E-03
1907	437810.2	3725452	7.16E-02	1.41E-02	7.60E-02	7.83E-03
1908	437806	3725465	6.76E-02	1.33E-02	7.18E-02	7.39E-03
1909	437803.6	3725344	1.40E-01	2.77E-02	1.49E-01	1.53E-02
1910	437809.9	3725356	1.22E-01	2.41E-02	1.30E-01	1.33E-02
1911	437816.2	3725368	1.06E-01	2.10E-02	1.13E-01	1.16E-02
1912	437828.7	3725393	8.14E-02	1.61E-02	8.65E-02	8.91E-03
1913	437832.9	3725412	7.17E-02	1.42E-02	7.62E-02	7.85E-03
1914	437828.6	3725425	7.06E-02	1.39E-02	7.49E-02	7.72E-03
1915	437824.3	3725439	6.85E-02	1.35E-02	7.28E-02	7.50E-03
1916	437820	3725452	6.59E-02	1.30E-02	7.00E-02	7.21E-03

1917	437815.7	3725465	6.28E-02	1.24E-02	6.67E-02	6.87E-03
1918	437816.7	3725329	1.16E-01	2.29E-02	1.23E-01	1.27E-02
1919	437823	3725341	1.04E-01	2.05E-02	1.10E-01	1.13E-02
1920	437829.4	3725354	9.22E-02	1.82E-02	9.80E-02	1.01E-02
1921	437842.2	3725379	7.23E-02	1.43E-02	7.68E-02	7.91E-03
1922	437848.6	3725391	6.44E-02	1.27E-02	6.84E-02	7.05E-03
1923	437852.8	3725411	5.80E-02	1.15E-02	6.16E-02	6.34E-03
1924	437848.4	3725424	5.78E-02	1.14E-02	6.14E-02	6.32E-03
1925	437844.1	3725438	5.70E-02	1.12E-02	6.05E-02	6.23E-03
1926	437831	3725478	5.17E-02	1.02E-02	5.49E-02	5.65E-03
1927	437829.7	3725314	9.54E-02	1.88E-02	1.01E-01	1.04E-02
1928	437836.2	3725326	8.73E-02	1.72E-02	9.27E-02	9.55E-03
1929	437842.6	3725339	7.91E-02	1.56E-02	8.41E-02	8.66E-03
1930	437855.5	3725364	6.36E-02	1.26E-02	6.76E-02	6.96E-03
1931	437862	3725377	5.73E-02	1.13E-02	6.08E-02	6.27E-03
1932	437868.4	3725390	5.17E-02	1.02E-02	5.49E-02	5.65E-03
1933	437872.7	3725409	4.73E-02	9.35E-03	5.03E-02	5.18E-03
1934	437859.5	3725450	4.69E-02	9.26E-03	4.98E-02	5.13E-03
1935	437855.1	3725463	4.59E-02	9.07E-03	4.88E-02	5.02E-03
1936	437850.7	3725477	4.46E-02	8.81E-03	4.74E-02	4.88E-03
1937	437846.3	3725491	4.29E-02	8.48E-03	4.56E-02	4.70E-03
1938	437842.8	3725298	7.96E-02	1.57E-02	8.46E-02	8.71E-03
1939	437849.3	3725311	7.42E-02	1.47E-02	7.88E-02	8.12E-03
1940	437855.8	3725324	6.84E-02	1.35E-02	7.26E-02	7.48E-03
1941	437868.8	3725350	5.63E-02	1.11E-02	5.98E-02	6.16E-03
1942	437875.3	3725362	5.10E-02	1.01E-02	5.42E-02	5.58E-03
1943	437881.8	3725375	4.63E-02	9.15E-03	4.92E-02	5.07E-03
1944	437888.3	3725388	4.20E-02	8.30E-03	4.46E-02	4.60E-03
1945	437888.2	3725421	3.95E-02	7.81E-03	4.20E-02	4.32E-03
1946	437879.3	3725449	3.96E-02	7.83E-03	4.21E-02	4.34E-03
1947	437874.9	3725462	3.92E-02	7.75E-03	4.17E-02	4.29E-03
1948	437855.8	3725283	6.64E-02	1.31E-02	7.05E-02	7.26E-03
1949	437862.4	3725296	6.31E-02	1.25E-02	6.70E-02	6.90E-03
1950	437868.9	3725309	5.90E-02	1.17E-02	6.27E-02	6.45E-03
1951	437882	3725335	5.02E-02	9.92E-03	5.34E-02	5.50E-03
1952	437888.6	3725348	4.58E-02	9.04E-03	4.86E-02	5.01E-03
1953	437895.1	3725361	4.19E-02	8.28E-03	4.45E-02	4.59E-03
1954	437901.7	3725374	3.85E-02	7.60E-03	4.09E-02	4.21E-03
1955	437912.5	3725406	3.27E-02	6.46E-03	3.47E-02	3.58E-03
1956	437908.1	3725420	3.31E-02	6.53E-03	3.51E-02	3.62E-03
1957	437903.6	3725434	3.34E-02	6.60E-03	3.55E-02	3.65E-03
1958	437881.3	3725503	3.18E-02	6.28E-03	3.38E-02	3.48E-03
1959	437876.8	3725516	3.08E-02	6.09E-03	3.28E-02	3.37E-03
1960	437868.9	3725268	5.54E-02	1.09E-02	5.88E-02	6.06E-03
1961	437875.4	3725281	5.34E-02	1.05E-02	5.67E-02	5.84E-03
1962	437882	3725294	5.08E-02	1.00E-02	5.39E-02	5.55E-03
1963	437895.2	3725320	4.47E-02	8.84E-03	4.75E-02	4.89E-03
1964	437901.8	3725333	4.16E-02	8.21E-03	4.41E-02	4.55E-03
1965	437908.4	3725346	3.84E-02	7.59E-03	4.08E-02	4.20E-03
1966	437914.9	3725359	3.55E-02	7.01E-03	3.77E-02	3.88E-03
1967	437928.1	3725385	3.01E-02	5.94E-03	3.20E-02	3.29E-03
1968	437932.5	3725405	2.80E-02	5.54E-03	2.98E-02	3.07E-03

1969	437928	3725419	2.82E-02	5.56E-03	2.99E-02	3.08E-03
1970	437923.5	3725432	2.84E-02	5.60E-03	3.01E-02	3.10E-03
1971	437919	3725446	2.85E-02	5.62E-03	3.02E-02	3.11E-03
1972	437910	3725474	2.86E-02	5.65E-03	3.04E-02	3.13E-03
1973	437905.6	3725488	2.83E-02	5.60E-03	3.01E-02	3.10E-03
1974	437901.1	3725502	2.79E-02	5.51E-03	2.96E-02	3.05E-03
1975	437896.6	3725515	2.72E-02	5.38E-03	2.89E-02	2.98E-03
1976	437892.1	3725529	2.65E-02	5.23E-03	2.81E-02	2.90E-03
1977	437881.9	3725253	4.65E-02	9.18E-03	4.93E-02	5.08E-03
1978	437888.5	3725266	4.55E-02	8.99E-03	4.83E-02	4.98E-03
1979	437895.1	3725279	4.38E-02	8.66E-03	4.66E-02	4.79E-03
1980	437908.3	3725305	3.97E-02	7.83E-03	4.21E-02	4.34E-03
1981	437915	3725318	3.74E-02	7.38E-03	3.97E-02	4.09E-03
1982	437921.6	3725331	3.50E-02	6.91E-03	3.72E-02	3.83E-03
1983	437928.2	3725344	3.26E-02	6.43E-03	3.46E-02	3.56E-03
1984	437941.4	3725370	2.81E-02	5.55E-03	2.98E-02	3.07E-03
1985	437948	3725383	2.61E-02	5.15E-03	2.77E-02	2.85E-03
1986	437952.4	3725403	2.44E-02	4.82E-03	2.59E-02	2.67E-03
1987	437947.9	3725417	2.45E-02	4.84E-03	2.60E-02	2.68E-03
1988	437943.4	3725431	2.47E-02	4.87E-03	2.62E-02	2.70E-03
1989	437938.9	3725445	2.48E-02	4.89E-03	2.63E-02	2.71E-03
1990	437934.4	3725459	2.48E-02	4.90E-03	2.63E-02	2.71E-03
1991	437925.4	3725487	2.46E-02	4.87E-03	2.62E-02	2.70E-03
1992	437920.9	3725500	2.44E-02	4.82E-03	2.59E-02	2.67E-03
1993	437916.4	3725514	2.41E-02	4.75E-03	2.56E-02	2.63E-03
1994	437911.9	3725528	2.36E-02	4.66E-03	2.50E-02	2.58E-03
1995	437894.9	3725238	3.93E-02	7.76E-03	4.17E-02	4.30E-03
1996	437901.6	3725251	3.88E-02	7.67E-03	4.13E-02	4.25E-03
1997	437908.2	3725264	3.80E-02	7.50E-03	4.04E-02	4.16E-03
1998	437921.5	3725290	3.51E-02	6.94E-03	3.73E-02	3.84E-03
1999	437928.1	3725303	3.34E-02	6.60E-03	3.55E-02	3.66E-03
2000	437934.8	3725316	3.16E-02	6.25E-03	3.36E-02	3.46E-03
2001	437941.4	3725329	2.98E-02	5.88E-03	3.16E-02	3.26E-03
2002	437954.7	3725355	2.61E-02	5.15E-03	2.77E-02	2.85E-03
2003	437961.3	3725369	2.44E-02	4.82E-03	2.59E-02	2.67E-03
2004	437967.9	3725382	2.29E-02	4.53E-03	2.43E-02	2.51E-03
2005	437972.3	3725402	2.16E-02	4.26E-03	2.29E-02	2.36E-03
2006	437967.8	3725416	2.16E-02	4.27E-03	2.30E-02	2.37E-03
2007	437963.3	3725430	2.17E-02	4.29E-03	2.31E-02	2.38E-03
2008	437958.8	3725443	2.18E-02	4.30E-03	2.31E-02	2.38E-03
2009	437954.2	3725457	2.17E-02	4.29E-03	2.31E-02	2.37E-03
2010	437949.7	3725471	2.16E-02	4.27E-03	2.29E-02	2.36E-03
2011	437940.7	3725499	2.14E-02	4.23E-03	2.27E-02	2.34E-03
2012	437936.2	3725513	2.12E-02	4.20E-03	2.26E-02	2.32E-03
2013	437931.6	3725527	2.10E-02	4.15E-03	2.23E-02	2.30E-03
2014	437908	3725223	3.35E-02	6.62E-03	3.56E-02	3.67E-03
2015	437914.6	3725236	3.33E-02	6.59E-03	3.54E-02	3.65E-03
2016	437921.3	3725249	3.29E-02	6.50E-03	3.49E-02	3.60E-03
2017	437934.6	3725275	3.10E-02	6.13E-03	3.30E-02	3.40E-03
2018	437941.3	3725288	2.98E-02	5.89E-03	3.17E-02	3.26E-03
2019	437947.9	3725301	2.85E-02	5.64E-03	3.03E-02	3.12E-03
2020	437954.6	3725314	2.71E-02	5.35E-03	2.88E-02	2.96E-03

2021	437967.9	3725341	2.41E-02	4.75E-03	2.56E-02	2.63E-03
2022	437974.5	3725354	2.26E-02	4.47E-03	2.40E-02	2.48E-03
2023	437981.2	3725367	2.14E-02	4.22E-03	2.27E-02	2.34E-03
2024	437987.9	3725380	2.02E-02	3.98E-03	2.14E-02	2.21E-03
2025	437992.3	3725400	1.91E-02	3.77E-03	2.02E-02	2.09E-03
2026	437987.7	3725414	1.92E-02	3.79E-03	2.04E-02	2.10E-03
2027	437983.2	3725428	1.93E-02	3.80E-03	2.05E-02	2.11E-03
2028	437978.6	3725442	1.93E-02	3.81E-03	2.05E-02	2.11E-03
2029	437974.1	3725456	1.92E-02	3.79E-03	2.04E-02	2.10E-03
2030	437969.6	3725470	1.91E-02	3.77E-03	2.03E-02	2.09E-03
2031	437965	3725484	1.90E-02	3.75E-03	2.02E-02	2.08E-03
2032	437956	3725512	1.88E-02	3.71E-03	2.00E-02	2.06E-03
2033	437951.4	3725526	1.87E-02	3.69E-03	1.99E-02	2.05E-03
2034	437946.9	3725540	1.85E-02	3.66E-03	1.97E-02	2.03E-03
2035	437927.7	3725221	2.87E-02	5.67E-03	3.05E-02	3.14E-03
2036	437934.4	3725234	2.85E-02	5.63E-03	3.03E-02	3.12E-03
2037	437947.7	3725260	2.74E-02	5.41E-03	2.91E-02	3.00E-03
2038	437954.4	3725273	2.65E-02	5.24E-03	2.82E-02	2.90E-03
2039	437961.1	3725286	2.56E-02	5.05E-03	2.72E-02	2.80E-03
2040	437967.7	3725300	2.45E-02	4.84E-03	2.60E-02	2.68E-03
2041	437981.1	3725326	2.21E-02	4.37E-03	2.35E-02	2.42E-03
2042	437987.8	3725339	2.10E-02	4.14E-03	2.23E-02	2.29E-03
2043	437994.4	3725352	1.98E-02	3.92E-03	2.11E-02	2.17E-03
2044	438001.1	3725365	1.88E-02	3.71E-03	1.99E-02	2.05E-03
2045	438007.8	3725378	1.77E-02	3.50E-03	1.88E-02	1.94E-03
2046	438012.2	3725399	1.68E-02	3.33E-03	1.79E-02	1.84E-03
2047	438007.6	3725413	1.70E-02	3.36E-03	1.81E-02	1.86E-03
2048	438003.1	3725427	1.71E-02	3.37E-03	1.81E-02	1.87E-03
2049	437998.5	3725441	1.71E-02	3.37E-03	1.81E-02	1.87E-03
2050	437994	3725455	1.70E-02	3.37E-03	1.81E-02	1.87E-03
2051	437989.5	3725469	1.70E-02	3.35E-03	1.80E-02	1.86E-03
2052	437984.9	3725483	1.69E-02	3.34E-03	1.79E-02	1.85E-03
2053	437980.4	3725497	1.68E-02	3.32E-03	1.79E-02	1.84E-03
2054	437971.3	3725525	1.67E-02	3.29E-03	1.77E-02	1.82E-03
2055	437966.7	3725539	1.66E-02	3.27E-03	1.76E-02	1.81E-03
2056	437962.2	3725553	1.64E-02	3.24E-03	1.74E-02	1.80E-03
2057	437912.1	3725196	2.91E-02	5.74E-03	3.09E-02	3.18E-03
2058	437959.9	3725243	2.43E-02	4.79E-03	2.58E-02	2.65E-03
2059	437972.8	3725269	2.31E-02	4.56E-03	2.45E-02	2.52E-03
2060	437979.3	3725281	2.23E-02	4.41E-03	2.37E-02	2.44E-03
2061	437992.3	3725307	2.06E-02	4.07E-03	2.19E-02	2.25E-03
2062	437998.7	3725320	1.97E-02	3.89E-03	2.09E-02	2.16E-03
2063	438005.2	3725333	1.88E-02	3.72E-03	2.00E-02	2.06E-03
2064	438011.7	3725345	1.79E-02	3.53E-03	1.90E-02	1.96E-03
2065	438018.2	3725358	1.70E-02	3.36E-03	1.81E-02	1.86E-03
2066	438024.7	3725371	1.62E-02	3.19E-03	1.72E-02	1.77E-03
2067	438031.2	3725384	1.53E-02	3.03E-03	1.63E-02	1.68E-03
2068	438032.2	3725397	1.50E-02	2.96E-03	1.59E-02	1.64E-03
2069	438027.8	3725410	1.51E-02	2.98E-03	1.60E-02	1.65E-03
2070	438023.4	3725424	1.52E-02	2.99E-03	1.61E-02	1.66E-03
2071	438018.9	3725438	1.52E-02	3.00E-03	1.61E-02	1.66E-03
2072	438014.5	3725451	1.52E-02	3.00E-03	1.62E-02	1.66E-03

2073	438010.1	3725465	1.52E-02	3.00E-03	1.61E-02	1.66E-03
2074	438005.7	3725478	1.51E-02	2.98E-03	1.61E-02	1.65E-03
2075	438001.3	3725492	1.51E-02	2.98E-03	1.60E-02	1.65E-03
2076	437996.9	3725506	1.50E-02	2.96E-03	1.59E-02	1.64E-03
2077	437988	3725533	1.49E-02	2.94E-03	1.58E-02	1.63E-03
2078	437983.6	3725547	1.48E-02	2.92E-03	1.57E-02	1.62E-03
2079	437979.2	3725560	1.47E-02	2.91E-03	1.56E-02	1.61E-03
2080	437974.8	3725574	1.46E-02	2.89E-03	1.55E-02	1.60E-03
2081	437966	3725601	1.43E-02	2.82E-03	1.52E-02	1.56E-03
2082	438005.6	3725272	1.86E-02	3.67E-03	1.97E-02	2.03E-03
2083	438012.2	3725285	1.80E-02	3.55E-03	1.91E-02	1.97E-03
2084	438018.7	3725298	1.73E-02	3.42E-03	1.84E-02	1.90E-03
2085	438025.2	3725311	1.67E-02	3.29E-03	1.77E-02	1.82E-03
2086	438031.7	3725323	1.60E-02	3.16E-03	1.70E-02	1.75E-03
2087	438038.2	3725336	1.53E-02	3.03E-03	1.63E-02	1.68E-03
2088	438044.7	3725349	1.47E-02	2.89E-03	1.56E-02	1.60E-03
2089	438051.3	3725362	1.40E-02	2.76E-03	1.49E-02	1.53E-03
2090	438057.8	3725375	1.33E-02	2.63E-03	1.41E-02	1.46E-03
2091	438062.1	3725394	1.27E-02	2.51E-03	1.35E-02	1.39E-03
2092	438057.6	3725408	1.28E-02	2.52E-03	1.36E-02	1.40E-03
2093	438053.2	3725422	1.28E-02	2.53E-03	1.36E-02	1.40E-03
2094	438048.8	3725436	1.29E-02	2.54E-03	1.37E-02	1.41E-03
2095	438044.3	3725449	1.29E-02	2.55E-03	1.37E-02	1.41E-03
2096	438039.9	3725463	1.29E-02	2.56E-03	1.38E-02	1.42E-03
2097	438035.4	3725477	1.29E-02	2.56E-03	1.38E-02	1.42E-03
2098	438031	3725490	1.29E-02	2.55E-03	1.37E-02	1.41E-03
2099	438026.6	3725504	1.28E-02	2.54E-03	1.36E-02	1.41E-03
2100	438022.1	3725518	1.28E-02	2.53E-03	1.36E-02	1.40E-03
2101	438008.8	3725559	1.27E-02	2.50E-03	1.35E-02	1.39E-03
2102	438004.4	3725573	1.26E-02	2.50E-03	1.34E-02	1.38E-03
2103	437999.9	3725586	1.26E-02	2.49E-03	1.34E-02	1.38E-03
2104	438032	3725263	1.57E-02	3.10E-03	1.66E-02	1.71E-03
2105	438045.1	3725289	1.47E-02	2.91E-03	1.56E-02	1.61E-03
2106	438051.6	3725301	1.42E-02	2.80E-03	1.51E-02	1.55E-03
2107	438058.2	3725314	1.36E-02	2.69E-03	1.45E-02	1.49E-03
2108	438064.7	3725327	1.31E-02	2.59E-03	1.39E-02	1.43E-03
2109	438071.3	3725340	1.26E-02	2.49E-03	1.34E-02	1.38E-03
2110	438077.8	3725353	1.21E-02	2.39E-03	1.29E-02	1.33E-03
2111	438084.4	3725366	1.16E-02	2.29E-03	1.23E-02	1.27E-03
2112	438090.9	3725379	1.11E-02	2.19E-03	1.18E-02	1.21E-03
2113	438092	3725392	1.09E-02	2.15E-03	1.16E-02	1.19E-03
2114	438087.5	3725406	1.10E-02	2.17E-03	1.16E-02	1.20E-03
2115	438083.1	3725420	1.10E-02	2.18E-03	1.17E-02	1.21E-03
2116	438078.6	3725433	1.10E-02	2.18E-03	1.17E-02	1.21E-03
2117	438074.1	3725447	1.11E-02	2.19E-03	1.18E-02	1.21E-03
2118	438069.7	3725461	1.11E-02	2.19E-03	1.18E-02	1.22E-03
2119	438065.2	3725475	1.11E-02	2.20E-03	1.18E-02	1.22E-03
2120	438060.8	3725489	1.11E-02	2.20E-03	1.18E-02	1.22E-03
2121	438056.3	3725502	1.11E-02	2.20E-03	1.18E-02	1.22E-03
2122	438051.8	3725516	1.11E-02	2.19E-03	1.18E-02	1.22E-03
2123	438047.4	3725530	1.11E-02	2.19E-03	1.18E-02	1.21E-03
2124	438042.9	3725544	1.11E-02	2.19E-03	1.18E-02	1.21E-03

2125	438029.5	3725585	1.10E-02	2.18E-03	1.17E-02	1.21E-03
2126	438025.1	3725599	1.10E-02	2.17E-03	1.17E-02	1.20E-03
2127	438020.6	3725612	1.09E-02	2.16E-03	1.16E-02	1.20E-03
2128	438011.7	3725640	1.07E-02	2.12E-03	1.14E-02	1.17E-03
2129	438078.1	3725292	1.22E-02	2.41E-03	1.29E-02	1.33E-03
2130	438084.7	3725305	1.18E-02	2.33E-03	1.25E-02	1.29E-03
2131	438091.2	3725318	1.14E-02	2.25E-03	1.21E-02	1.24E-03
2132	438097.8	3725331	1.10E-02	2.16E-03	1.16E-02	1.20E-03
2133	438104.4	3725344	1.05E-02	2.08E-03	1.12E-02	1.15E-03
2134	438111	3725357	1.01E-02	2.00E-03	1.07E-02	1.11E-03
2135	438117.5	3725370	9.71E-03	1.92E-03	1.03E-02	1.06E-03
2136	438121.9	3725390	9.37E-03	1.85E-03	9.95E-03	1.02E-03
2137	438117.4	3725404	9.47E-03	1.87E-03	1.01E-02	1.04E-03
2138	438112.9	3725417	9.54E-03	1.88E-03	1.01E-02	1.04E-03
2139	438108.4	3725431	9.57E-03	1.89E-03	1.02E-02	1.05E-03
2140	438104	3725445	9.59E-03	1.89E-03	1.02E-02	1.05E-03
2141	438099.5	3725459	9.65E-03	1.91E-03	1.02E-02	1.06E-03
2142	438095	3725473	9.70E-03	1.92E-03	1.03E-02	1.06E-03
2143	438090.5	3725487	9.74E-03	1.92E-03	1.03E-02	1.07E-03
2144	438086	3725500	9.75E-03	1.93E-03	1.04E-02	1.07E-03
2145	438081.6	3725514	9.75E-03	1.93E-03	1.04E-02	1.07E-03
2146	438077.1	3725528	9.72E-03	1.92E-03	1.03E-02	1.06E-03
2147	438072.6	3725542	9.69E-03	1.91E-03	1.03E-02	1.06E-03
2148	438068.1	3725556	9.67E-03	1.91E-03	1.03E-02	1.06E-03
2149	438054.7	3725597	9.69E-03	1.91E-03	1.03E-02	1.06E-03
2150	438050.2	3725611	9.66E-03	1.91E-03	1.03E-02	1.06E-03
2151	438045.7	3725625	9.62E-03	1.90E-03	1.02E-02	1.05E-03
2152	438041.3	3725639	9.54E-03	1.88E-03	1.01E-02	1.04E-03
2153	438104.5	3725283	1.06E-02	2.09E-03	1.12E-02	1.16E-03
2154	438111.1	3725296	1.03E-02	2.03E-03	1.09E-02	1.12E-03
2155	438117.7	3725309	9.92E-03	1.96E-03	1.05E-02	1.09E-03
2156	438124.3	3725322	9.57E-03	1.89E-03	1.02E-02	1.05E-03
2157	438130.9	3725335	9.22E-03	1.82E-03	9.80E-03	1.01E-03
2158	438137.5	3725348	8.88E-03	1.75E-03	9.43E-03	9.71E-04
2159	438144.1	3725361	8.55E-03	1.69E-03	9.08E-03	9.35E-04
2160	438150.7	3725374	8.23E-03	1.62E-03	8.74E-03	9.00E-04
2161	438151.8	3725388	8.12E-03	1.60E-03	8.62E-03	8.88E-04
2162	438147.3	3725401	8.21E-03	1.62E-03	8.72E-03	8.99E-04
2163	438142.8	3725415	8.30E-03	1.64E-03	8.82E-03	9.08E-04
2164	438138.3	3725429	8.37E-03	1.65E-03	8.89E-03	9.15E-04
2165	438133.8	3725443	8.42E-03	1.66E-03	8.94E-03	9.21E-04
2166	438129.3	3725457	8.46E-03	1.67E-03	8.98E-03	9.25E-04
2167	438124.8	3725471	8.49E-03	1.68E-03	9.01E-03	9.28E-04
2168	438120.3	3725485	8.53E-03	1.68E-03	9.06E-03	9.33E-04
2169	438115.8	3725498	8.58E-03	1.69E-03	9.11E-03	9.38E-04
2170	438111.3	3725512	8.61E-03	1.70E-03	9.15E-03	9.42E-04
2171	438106.8	3725526	8.62E-03	1.70E-03	9.16E-03	9.43E-04
2172	438102.3	3725540	8.62E-03	1.70E-03	9.15E-03	9.43E-04
2173	438097.8	3725554	8.61E-03	1.70E-03	9.15E-03	9.42E-04
2174	438093.3	3725568	8.59E-03	1.70E-03	9.13E-03	9.40E-04
2175	438088.9	3725582	8.60E-03	1.70E-03	9.13E-03	9.40E-04
2176	438075.4	3725623	8.58E-03	1.69E-03	9.12E-03	9.39E-04

2177	438070.9	3725637	8.54E-03	1.69E-03	9.07E-03	9.34E-04
2178	438066.4	3725651	8.48E-03	1.67E-03	9.01E-03	9.28E-04
2179	438057.4	3725679	8.33E-03	1.65E-03	8.85E-03	9.12E-04
2180	438137.6	3725287	8.95E-03	1.77E-03	9.51E-03	9.79E-04
2181	438144.2	3725300	8.67E-03	1.71E-03	9.21E-03	9.48E-04
2182	438150.8	3725313	8.37E-03	1.65E-03	8.89E-03	9.16E-04
2183	438157.5	3725326	8.08E-03	1.60E-03	8.58E-03	8.84E-04
2184	438164.1	3725339	7.82E-03	1.54E-03	8.31E-03	8.55E-04
2185	438170.7	3725352	7.56E-03	1.49E-03	8.03E-03	8.27E-04
2186	438177.3	3725365	7.29E-03	1.44E-03	7.74E-03	7.98E-04
2187	438181.7	3725385	7.09E-03	1.40E-03	7.54E-03	7.76E-04
2188	438177.2	3725399	7.18E-03	1.42E-03	7.62E-03	7.85E-04
2189	438172.7	3725413	7.25E-03	1.43E-03	7.70E-03	7.93E-04
2190	438168.2	3725427	7.33E-03	1.45E-03	7.79E-03	8.02E-04
2191	438163.7	3725441	7.40E-03	1.46E-03	7.86E-03	8.09E-04
2192	438159.1	3725455	7.44E-03	1.47E-03	7.90E-03	8.14E-04
2193	438154.6	3725469	7.47E-03	1.48E-03	7.94E-03	8.17E-04
2194	438150.1	3725483	7.51E-03	1.48E-03	7.97E-03	8.21E-04
2195	438145.6	3725496	7.55E-03	1.49E-03	8.02E-03	8.26E-04
2196	438141.1	3725510	7.60E-03	1.50E-03	8.07E-03	8.31E-04
2197	438136.6	3725524	7.65E-03	1.51E-03	8.12E-03	8.36E-04
2198	438132.1	3725538	7.69E-03	1.52E-03	8.17E-03	8.41E-04
2199	438127.6	3725552	7.69E-03	1.52E-03	8.16E-03	8.41E-04
2200	438123.1	3725566	7.67E-03	1.51E-03	8.15E-03	8.39E-04
2201	438118.6	3725580	7.69E-03	1.52E-03	8.17E-03	8.42E-04
2202	438114.1	3725594	7.70E-03	1.52E-03	8.18E-03	8.42E-04
2203	438109.5	3725608	7.69E-03	1.52E-03	8.17E-03	8.41E-04
2204	438100.5	3725636	7.65E-03	1.51E-03	8.13E-03	8.37E-04
2205	438096	3725649	7.63E-03	1.51E-03	8.10E-03	8.34E-04
2206	438091.5	3725663	7.59E-03	1.50E-03	8.06E-03	8.30E-04
2207	438087	3725677	7.54E-03	1.49E-03	8.01E-03	8.25E-04
2208	438082.5	3725691	7.48E-03	1.48E-03	7.95E-03	8.18E-04
2209	438170.7	3725291	7.63E-03	1.51E-03	8.10E-03	8.34E-04
2210	438177.3	3725304	7.40E-03	1.46E-03	7.86E-03	8.10E-04
2211	438184	3725317	7.17E-03	1.42E-03	7.62E-03	7.84E-04
2212	438190.6	3725330	6.94E-03	1.37E-03	7.37E-03	7.59E-04
2213	438197.3	3725343	6.71E-03	1.33E-03	7.13E-03	7.35E-04
2214	438203.9	3725356	6.49E-03	1.28E-03	6.90E-03	7.10E-04
2215	438210.5	3725369	6.28E-03	1.24E-03	6.67E-03	6.87E-04
2216	438211.6	3725383	6.22E-03	1.23E-03	6.60E-03	6.80E-04
2217	438207.1	3725397	6.30E-03	1.24E-03	6.69E-03	6.89E-04
2218	438202.5	3725411	6.38E-03	1.26E-03	6.78E-03	6.98E-04
2219	438198	3725425	6.46E-03	1.28E-03	6.86E-03	7.06E-04
2220	438193.5	3725439	6.54E-03	1.29E-03	6.94E-03	7.15E-04
2221	438189	3725453	6.60E-03	1.30E-03	7.01E-03	7.22E-04
2222	438184.5	3725467	6.62E-03	1.31E-03	7.03E-03	7.24E-04
2223	438179.9	3725481	6.65E-03	1.31E-03	7.07E-03	7.28E-04
2224	438175.4	3725494	6.69E-03	1.32E-03	7.11E-03	7.32E-04
2225	438170.9	3725508	6.73E-03	1.33E-03	7.15E-03	7.36E-04
2226	438166.4	3725522	6.77E-03	1.34E-03	7.19E-03	7.40E-04
2227	438161.9	3725536	6.80E-03	1.34E-03	7.22E-03	7.44E-04
2228	438157.3	3725550	6.84E-03	1.35E-03	7.27E-03	7.48E-04

2229	438152.8	3725564	6.87E-03	1.36E-03	7.30E-03	7.51E-04
2230	438148.3	3725578	6.90E-03	1.36E-03	7.33E-03	7.54E-04
2231	438143.8	3725592	6.92E-03	1.37E-03	7.35E-03	7.57E-04
2232	438139.3	3725606	6.92E-03	1.37E-03	7.35E-03	7.57E-04
2233	438134.7	3725620	6.91E-03	1.36E-03	7.34E-03	7.56E-04
2234	438121.2	3725662	6.85E-03	1.35E-03	7.28E-03	7.49E-04
2235	438223.8	3725334	6.02E-03	1.19E-03	6.40E-03	6.59E-04
2236	438230.5	3725347	5.84E-03	1.15E-03	6.20E-03	6.38E-04
2237	438237.1	3725360	5.66E-03	1.12E-03	6.01E-03	6.19E-04
2238	438241.5	3725381	5.51E-03	1.09E-03	5.85E-03	6.03E-04
2239	438237	3725395	5.58E-03	1.10E-03	5.92E-03	6.10E-04
2240	438232.4	3725409	5.65E-03	1.12E-03	6.00E-03	6.18E-04
2241	438227.9	3725422	5.71E-03	1.13E-03	6.07E-03	6.25E-04
2242	438223.4	3725436	5.77E-03	1.14E-03	6.12E-03	6.31E-04
2243	438218.8	3725450	5.82E-03	1.15E-03	6.18E-03	6.36E-04
2244	438214.3	3725464	5.86E-03	1.16E-03	6.23E-03	6.42E-04
2245	438209.8	3725478	5.91E-03	1.17E-03	6.28E-03	6.46E-04
2246	438205.2	3725492	5.96E-03	1.18E-03	6.33E-03	6.52E-04
2247	438200.7	3725506	6.01E-03	1.19E-03	6.38E-03	6.57E-04
2248	438196.2	3725520	6.04E-03	1.19E-03	6.41E-03	6.61E-04
2249	438191.6	3725534	6.07E-03	1.20E-03	6.45E-03	6.64E-04
2250	438187.1	3725548	6.11E-03	1.21E-03	6.49E-03	6.68E-04
2251	438182.6	3725562	6.15E-03	1.21E-03	6.53E-03	6.73E-04
2252	438178	3725576	6.18E-03	1.22E-03	6.56E-03	6.76E-04
2253	438173.5	3725590	6.20E-03	1.22E-03	6.58E-03	6.78E-04
2254	438169	3725604	6.22E-03	1.23E-03	6.60E-03	6.80E-04
2255	438164.5	3725618	6.22E-03	1.23E-03	6.61E-03	6.80E-04
2256	438159.9	3725632	6.22E-03	1.23E-03	6.61E-03	6.80E-04
2257	438155.4	3725646	6.21E-03	1.23E-03	6.60E-03	6.80E-04
2258	438132.7	3725716	6.13E-03	1.21E-03	6.51E-03	6.71E-04
2259	438128.2	3725730	6.08E-03	1.20E-03	6.45E-03	6.65E-04
2260	438271.4	3725378	4.92E-03	9.72E-04	5.23E-03	5.38E-04
2261	438266.9	3725392	4.98E-03	9.83E-04	5.29E-03	5.44E-04
2262	438262.3	3725406	5.04E-03	9.96E-04	5.35E-03	5.51E-04
2263	438257.8	3725420	5.10E-03	1.01E-03	5.42E-03	5.58E-04
2264	438253.2	3725434	5.14E-03	1.02E-03	5.46E-03	5.63E-04
2265	438248.7	3725448	5.19E-03	1.02E-03	5.51E-03	5.67E-04
2266	438244.1	3725462	5.23E-03	1.03E-03	5.55E-03	5.72E-04
2267	438239.6	3725476	5.27E-03	1.04E-03	5.60E-03	5.76E-04
2268	438235.1	3725490	5.32E-03	1.05E-03	5.65E-03	5.82E-04
2269	438230.5	3725504	5.37E-03	1.06E-03	5.71E-03	5.88E-04
2270	438226	3725518	5.41E-03	1.07E-03	5.75E-03	5.92E-04
2271	438221.4	3725532	5.45E-03	1.08E-03	5.79E-03	5.96E-04
2272	438216.9	3725546	5.48E-03	1.08E-03	5.82E-03	5.99E-04
2273	438212.4	3725560	5.51E-03	1.09E-03	5.85E-03	6.02E-04
2274	438207.8	3725574	5.54E-03	1.09E-03	5.88E-03	6.06E-04
2275	438203.3	3725588	5.57E-03	1.10E-03	5.91E-03	6.09E-04
2276	438198.7	3725602	5.59E-03	1.10E-03	5.94E-03	6.11E-04
2277	438194.2	3725616	5.61E-03	1.11E-03	5.96E-03	6.14E-04
2278	438189.7	3725630	5.62E-03	1.11E-03	5.97E-03	6.15E-04
2279	438185.1	3725644	5.63E-03	1.11E-03	5.98E-03	6.16E-04
2280	438180.6	3725658	5.64E-03	1.11E-03	5.99E-03	6.17E-04

2281	438167	3725700	5.62E-03	1.11E-03	5.97E-03	6.14E-04
2282	438162.4	3725714	5.59E-03	1.10E-03	5.94E-03	6.11E-04
2283	438157.9	3725728	5.56E-03	1.10E-03	5.91E-03	6.08E-04
2284	438153.3	3725742	5.53E-03	1.09E-03	5.87E-03	6.05E-04
2285	438148.8	3725756	5.49E-03	1.08E-03	5.83E-03	6.00E-04
2286	438292.2	3725404	4.52E-03	8.93E-04	4.81E-03	4.95E-04
2287	438287.6	3725418	4.58E-03	9.04E-04	4.86E-03	5.01E-04
2288	438283.1	3725432	4.61E-03	9.11E-04	4.90E-03	5.05E-04
2289	438278.6	3725446	4.65E-03	9.19E-04	4.94E-03	5.09E-04
2290	438274	3725460	4.70E-03	9.28E-04	4.99E-03	5.14E-04
2291	438269.5	3725474	4.74E-03	9.36E-04	5.04E-03	5.19E-04
2292	438264.9	3725488	4.78E-03	9.44E-04	5.08E-03	5.23E-04
2293	438260.4	3725502	4.82E-03	9.52E-04	5.12E-03	5.27E-04
2294	438255.8	3725516	4.86E-03	9.59E-04	5.16E-03	5.31E-04
2295	438251.3	3725530	4.89E-03	9.65E-04	5.19E-03	5.35E-04
2296	438246.7	3725544	4.92E-03	9.72E-04	5.23E-03	5.38E-04
2297	438242.2	3725558	4.96E-03	9.80E-04	5.27E-03	5.43E-04
2298	438237.6	3725572	4.99E-03	9.86E-04	5.30E-03	5.46E-04
2299	438233.1	3725586	5.02E-03	9.92E-04	5.34E-03	5.50E-04
2300	438228.5	3725600	5.05E-03	9.98E-04	5.37E-03	5.53E-04
2301	438224	3725614	5.08E-03	1.00E-03	5.39E-03	5.55E-04
2302	438219.4	3725629	5.10E-03	1.01E-03	5.42E-03	5.58E-04
2303	438214.9	3725643	5.12E-03	1.01E-03	5.44E-03	5.60E-04
2304	438210.3	3725657	5.13E-03	1.01E-03	5.45E-03	5.61E-04
2305	438205.8	3725671	5.13E-03	1.01E-03	5.45E-03	5.62E-04
2306	438201.2	3725685	5.13E-03	1.01E-03	5.45E-03	5.62E-04
2307	438192.1	3725713	5.13E-03	1.01E-03	5.45E-03	5.61E-04
2308	438187.6	3725727	5.11E-03	1.01E-03	5.43E-03	5.59E-04
2309	438183	3725741	5.09E-03	1.00E-03	5.40E-03	5.57E-04
2310	438178.5	3725755	5.06E-03	9.99E-04	5.37E-03	5.53E-04
2311	438173.9	3725769	5.02E-03	9.92E-04	5.34E-03	5.50E-04
2312	438313.3	3725429	4.16E-03	8.22E-04	4.42E-03	4.55E-04
2313	438308.8	3725443	4.19E-03	8.28E-04	4.45E-03	4.59E-04
2314	438304.3	3725456	4.23E-03	8.36E-04	4.50E-03	4.63E-04
2315	438299.8	3725470	4.28E-03	8.45E-04	4.54E-03	4.68E-04
2316	438295.4	3725484	4.31E-03	8.51E-04	4.58E-03	4.72E-04
2317	438290.9	3725498	4.34E-03	8.57E-04	4.61E-03	4.75E-04
2318	438286.4	3725512	4.37E-03	8.64E-04	4.65E-03	4.79E-04
2319	438281.9	3725526	4.41E-03	8.72E-04	4.69E-03	4.83E-04
2320	438277.4	3725539	4.45E-03	8.79E-04	4.73E-03	4.87E-04
2321	438272.9	3725553	4.48E-03	8.84E-04	4.75E-03	4.90E-04
2322	438268.4	3725567	4.50E-03	8.90E-04	4.78E-03	4.93E-04
2323	438264	3725581	4.54E-03	8.97E-04	4.82E-03	4.97E-04
2324	438259.5	3725595	4.57E-03	9.03E-04	4.86E-03	5.00E-04
2325	438255	3725609	4.59E-03	9.07E-04	4.88E-03	5.03E-04
2326	438250.5	3725622	4.61E-03	9.11E-04	4.90E-03	5.04E-04
2327	438246	3725636	4.63E-03	9.15E-04	4.92E-03	5.07E-04
2328	438241.5	3725650	4.66E-03	9.19E-04	4.94E-03	5.09E-04
2329	438237.1	3725664	4.67E-03	9.23E-04	4.96E-03	5.11E-04
2330	438232.6	3725678	4.69E-03	9.25E-04	4.98E-03	5.13E-04
2331	438228.1	3725692	4.69E-03	9.27E-04	4.98E-03	5.13E-04
2332	438223.6	3725705	4.70E-03	9.27E-04	4.99E-03	5.14E-04

2333	438214.6	3725733	4.68E-03	9.25E-04	4.97E-03	5.12E-04
2334	438210.1	3725747	4.67E-03	9.22E-04	4.96E-03	5.11E-04
2335	438205.7	3725761	4.65E-03	9.18E-04	4.94E-03	5.08E-04
2336	438201.2	3725775	4.62E-03	9.13E-04	4.91E-03	5.06E-04
2337	438196.7	3725788	4.59E-03	9.06E-04	4.87E-03	5.02E-04
2338	438344.1	3725454	3.74E-03	7.38E-04	3.97E-03	4.09E-04
2339	438339.6	3725467	3.77E-03	7.45E-04	4.01E-03	4.13E-04
2340	438335.1	3725481	3.80E-03	7.51E-04	4.04E-03	4.16E-04
2341	438330.6	3725495	3.82E-03	7.55E-04	4.06E-03	4.18E-04
2342	438326.1	3725509	3.85E-03	7.60E-04	4.09E-03	4.21E-04
2343	438321.6	3725523	3.87E-03	7.65E-04	4.12E-03	4.24E-04
2344	438317.1	3725537	3.90E-03	7.71E-04	4.15E-03	4.27E-04
2345	438312.6	3725551	3.93E-03	7.76E-04	4.17E-03	4.30E-04
2346	438308.1	3725565	3.95E-03	7.80E-04	4.20E-03	4.32E-04
2347	438303.6	3725578	3.98E-03	7.87E-04	4.23E-03	4.36E-04
2348	438299.1	3725592	4.01E-03	7.93E-04	4.26E-03	4.39E-04
2349	438294.6	3725606	4.04E-03	7.97E-04	4.29E-03	4.42E-04
2350	438290.1	3725620	4.06E-03	8.01E-04	4.31E-03	4.44E-04
2351	438285.6	3725634	4.08E-03	8.06E-04	4.33E-03	4.46E-04
2352	438281.1	3725648	4.10E-03	8.11E-04	4.36E-03	4.49E-04
2353	438276.6	3725662	4.13E-03	8.15E-04	4.38E-03	4.51E-04
2354	438272.1	3725676	4.14E-03	8.19E-04	4.40E-03	4.53E-04
2355	438267.6	3725689	4.16E-03	8.22E-04	4.42E-03	4.55E-04
2356	438263.1	3725703	4.17E-03	8.24E-04	4.43E-03	4.56E-04
2357	438258.7	3725717	4.18E-03	8.25E-04	4.44E-03	4.57E-04
2358	438254.2	3725731	4.18E-03	8.26E-04	4.44E-03	4.58E-04
2359	438240.7	3725773	4.16E-03	8.22E-04	4.42E-03	4.56E-04
2360	438236.2	3725787	4.15E-03	8.19E-04	4.41E-03	4.54E-04
2361	438231.7	3725801	4.13E-03	8.15E-04	4.38E-03	4.52E-04
2362	438227.2	3725814	4.10E-03	8.10E-04	4.36E-03	4.49E-04
2363	438374.9	3725479	3.36E-03	6.64E-04	3.57E-03	3.68E-04
2364	438370.4	3725492	3.39E-03	6.69E-04	3.60E-03	3.70E-04
2365	438365.9	3725506	3.41E-03	6.73E-04	3.62E-03	3.73E-04
2366	438361.4	3725520	3.43E-03	6.77E-04	3.64E-03	3.75E-04
2367	438356.9	3725534	3.45E-03	6.81E-04	3.67E-03	3.77E-04
2368	438352.3	3725548	3.47E-03	6.86E-04	3.69E-03	3.80E-04
2369	438347.8	3725562	3.49E-03	6.90E-04	3.71E-03	3.82E-04
2370	438343.3	3725576	3.51E-03	6.94E-04	3.73E-03	3.84E-04
2371	438338.8	3725590	3.53E-03	6.98E-04	3.75E-03	3.87E-04
2372	438334.3	3725604	3.56E-03	7.03E-04	3.78E-03	3.90E-04
2373	438329.8	3725618	3.59E-03	7.09E-04	3.81E-03	3.92E-04
2374	438325.3	3725632	3.61E-03	7.13E-04	3.83E-03	3.95E-04
2375	438320.8	3725645	3.63E-03	7.18E-04	3.86E-03	3.97E-04
2376	438316.3	3725659	3.66E-03	7.22E-04	3.88E-03	4.00E-04
2377	438311.8	3725673	3.68E-03	7.27E-04	3.91E-03	4.03E-04
2378	438307.2	3725687	3.70E-03	7.31E-04	3.93E-03	4.05E-04
2379	438302.7	3725701	3.72E-03	7.34E-04	3.95E-03	4.07E-04
2380	438298.2	3725715	3.73E-03	7.37E-04	3.96E-03	4.08E-04
2381	438293.7	3725729	3.74E-03	7.38E-04	3.97E-03	4.09E-04
2382	438289.2	3725743	3.74E-03	7.39E-04	3.98E-03	4.10E-04
2383	438284.7	3725757	3.75E-03	7.41E-04	3.98E-03	4.10E-04
2384	438271.2	3725799	3.73E-03	7.37E-04	3.97E-03	4.08E-04

2385	438266.7	3725812	3.72E-03	7.35E-04	3.95E-03	4.07E-04
2386	438262.1	3725826	3.70E-03	7.31E-04	3.93E-03	4.05E-04
2387	438257.6	3725840	3.68E-03	7.27E-04	3.91E-03	4.02E-04
2388	438401.1	3725518	3.05E-03	6.02E-04	3.23E-03	3.33E-04
2389	438396.6	3725531	3.06E-03	6.04E-04	3.25E-03	3.35E-04
2390	438392.1	3725545	3.08E-03	6.08E-04	3.27E-03	3.37E-04
2391	438387.6	3725559	3.10E-03	6.12E-04	3.29E-03	3.39E-04
2392	438383	3725573	3.12E-03	6.16E-04	3.31E-03	3.41E-04
2393	438378.5	3725587	3.14E-03	6.21E-04	3.34E-03	3.44E-04
2394	438374	3725601	3.16E-03	6.25E-04	3.36E-03	3.46E-04
2395	438369.5	3725615	3.18E-03	6.29E-04	3.38E-03	3.48E-04
2396	438365	3725629	3.20E-03	6.33E-04	3.40E-03	3.51E-04
2397	438360.4	3725643	3.23E-03	6.37E-04	3.43E-03	3.53E-04
2398	438355.9	3725657	3.25E-03	6.42E-04	3.45E-03	3.55E-04
2399	438351.4	3725671	3.27E-03	6.45E-04	3.47E-03	3.57E-04
2400	438346.9	3725685	3.29E-03	6.49E-04	3.49E-03	3.60E-04
2401	438342.4	3725699	3.31E-03	6.53E-04	3.51E-03	3.62E-04
2402	438337.8	3725713	3.33E-03	6.57E-04	3.53E-03	3.64E-04
2403	438333.3	3725727	3.34E-03	6.60E-04	3.55E-03	3.66E-04
2404	438328.8	3725741	3.36E-03	6.63E-04	3.56E-03	3.67E-04
2405	438324.3	3725755	3.36E-03	6.64E-04	3.57E-03	3.68E-04
2406	438319.8	3725769	3.37E-03	6.66E-04	3.58E-03	3.69E-04
2407	438315.2	3725782	3.38E-03	6.67E-04	3.59E-03	3.69E-04
2408	438288.1	3725866	3.32E-03	6.56E-04	3.53E-03	3.63E-04
2409	438431.8	3725543	2.75E-03	5.42E-04	2.92E-03	3.00E-04
2410	438427.3	3725557	2.77E-03	5.47E-04	2.94E-03	3.03E-04
2411	438422.8	3725571	2.79E-03	5.51E-04	2.96E-03	3.05E-04
2412	438418.2	3725585	2.81E-03	5.54E-04	2.98E-03	3.07E-04
2413	438413.7	3725599	2.82E-03	5.58E-04	3.00E-03	3.09E-04
2414	438409.2	3725613	2.84E-03	5.62E-04	3.02E-03	3.11E-04
2415	438404.7	3725627	2.87E-03	5.66E-04	3.04E-03	3.14E-04
2416	438400.1	3725641	2.88E-03	5.70E-04	3.06E-03	3.16E-04
2417	438395.6	3725654	2.90E-03	5.73E-04	3.08E-03	3.17E-04
2418	438391.1	3725668	2.92E-03	5.77E-04	3.10E-03	3.20E-04
2419	438386.5	3725682	2.94E-03	5.81E-04	3.12E-03	3.22E-04
2420	438382	3725696	2.96E-03	5.85E-04	3.14E-03	3.24E-04
2421	438377.5	3725710	2.98E-03	5.88E-04	3.16E-03	3.26E-04
2422	438372.9	3725724	3.00E-03	5.92E-04	3.18E-03	3.28E-04
2423	438368.4	3725738	3.01E-03	5.95E-04	3.20E-03	3.29E-04
2424	438363.9	3725752	3.03E-03	5.98E-04	3.21E-03	3.31E-04
2425	438359.3	3725766	3.04E-03	6.00E-04	3.23E-03	3.32E-04
2426	438354.8	3725780	3.05E-03	6.02E-04	3.24E-03	3.34E-04
2427	438350.3	3725794	3.06E-03	6.04E-04	3.25E-03	3.35E-04
2428	438345.8	3725808	3.07E-03	6.05E-04	3.26E-03	3.35E-04
2429	438332.2	3725850	3.05E-03	6.03E-04	3.24E-03	3.34E-04
2430	438327.6	3725864	3.04E-03	6.01E-04	3.23E-03	3.33E-04
2431	438323.1	3725878	3.03E-03	5.98E-04	3.21E-03	3.31E-04
2432	438318.6	3725892	3.01E-03	5.94E-04	3.19E-03	3.29E-04
2433	438458	3725582	2.53E-03	4.99E-04	2.69E-03	2.77E-04
2434	438453.4	3725596	2.54E-03	5.02E-04	2.70E-03	2.78E-04
2435	438448.9	3725610	2.56E-03	5.05E-04	2.72E-03	2.80E-04
2436	438444.4	3725624	2.57E-03	5.08E-04	2.73E-03	2.82E-04

2437	438439.8	3725638	2.59E-03	5.12E-04	2.75E-03	2.84E-04
2438	438435.3	3725652	2.61E-03	5.16E-04	2.78E-03	2.86E-04
2439	438430.7	3725666	2.63E-03	5.19E-04	2.79E-03	2.88E-04
2440	438426.2	3725680	2.64E-03	5.22E-04	2.81E-03	2.89E-04
2441	438421.7	3725694	2.66E-03	5.26E-04	2.83E-03	2.91E-04
2442	438417.1	3725708	2.68E-03	5.30E-04	2.85E-03	2.93E-04
2443	438412.6	3725722	2.70E-03	5.34E-04	2.87E-03	2.96E-04
2444	438408	3725736	2.72E-03	5.37E-04	2.89E-03	2.97E-04
2445	438403.5	3725750	2.74E-03	5.40E-04	2.91E-03	2.99E-04
2446	438399	3725764	2.75E-03	5.43E-04	2.92E-03	3.01E-04
2447	438394.4	3725778	2.76E-03	5.46E-04	2.93E-03	3.02E-04
2448	438389.9	3725792	2.77E-03	5.48E-04	2.95E-03	3.03E-04
2449	438385.4	3725806	2.78E-03	5.49E-04	2.96E-03	3.04E-04
2450	438380.8	3725820	2.79E-03	5.50E-04	2.96E-03	3.05E-04
2451	438376.3	3725834	2.79E-03	5.51E-04	2.96E-03	3.05E-04
2452	438362.7	3725876	2.77E-03	5.47E-04	2.94E-03	3.03E-04
2453	438358.1	3725890	2.76E-03	5.44E-04	2.93E-03	3.02E-04
2454	438353.6	3725904	2.74E-03	5.42E-04	2.92E-03	3.00E-04
2455	438488.6	3725607	2.32E-03	4.58E-04	2.46E-03	2.54E-04
2456	438484.1	3725621	2.33E-03	4.60E-04	2.48E-03	2.55E-04
2457	438479.5	3725635	2.35E-03	4.64E-04	2.49E-03	2.57E-04
2458	438475	3725649	2.37E-03	4.67E-04	2.51E-03	2.59E-04
2459	438470.4	3725663	2.38E-03	4.70E-04	2.53E-03	2.61E-04
2460	438465.9	3725677	2.40E-03	4.73E-04	2.54E-03	2.62E-04
2461	438461.4	3725691	2.41E-03	4.76E-04	2.56E-03	2.64E-04
2462	438456.8	3725705	2.43E-03	4.80E-04	2.58E-03	2.66E-04
2463	438452.3	3725719	2.44E-03	4.83E-04	2.60E-03	2.67E-04
2464	438447.7	3725733	2.46E-03	4.86E-04	2.61E-03	2.69E-04
2465	438443.2	3725748	2.48E-03	4.89E-04	2.63E-03	2.71E-04
2466	438438.6	3725762	2.49E-03	4.92E-04	2.64E-03	2.72E-04
2467	438434.1	3725776	2.50E-03	4.94E-04	2.66E-03	2.74E-04
2468	438429.5	3725790	2.52E-03	4.97E-04	2.67E-03	2.75E-04
2469	438425	3725804	2.53E-03	5.00E-04	2.69E-03	2.77E-04
2470	438420.4	3725818	2.54E-03	5.01E-04	2.70E-03	2.78E-04
2471	438311.7	3724752	1.46E-03	2.87E-04	1.55E-03	1.59E-04
2472	438318.4	3724765	1.50E-03	2.97E-04	1.60E-03	1.64E-04
2473	438325.1	3724779	1.55E-03	3.06E-04	1.65E-03	1.69E-04
2474	438331.8	3724792	1.59E-03	3.15E-04	1.69E-03	1.74E-04
2475	438519.3	3725633	2.14E-03	4.22E-04	2.27E-03	2.34E-04
2476	438514.7	3725647	2.15E-03	4.25E-04	2.29E-03	2.36E-04
2477	438510.2	3725661	2.17E-03	4.28E-04	2.30E-03	2.37E-04
2478	438505.6	3725675	2.18E-03	4.31E-04	2.32E-03	2.39E-04
2479	438501.1	3725689	2.19E-03	4.33E-04	2.33E-03	2.40E-04
2480	438496.5	3725703	2.21E-03	4.37E-04	2.35E-03	2.42E-04
2481	438491.9	3725717	2.23E-03	4.40E-04	2.36E-03	2.44E-04
2482	438487.4	3725731	2.24E-03	4.42E-04	2.38E-03	2.45E-04
2483	438482.8	3725745	2.25E-03	4.45E-04	2.39E-03	2.46E-04
2484	438478.3	3725759	2.27E-03	4.48E-04	2.41E-03	2.48E-04
2485	438302.8	3724741	1.41E-03	2.79E-04	1.50E-03	1.55E-04
2486	438337.8	3724722	1.33E-03	2.62E-04	1.41E-03	1.45E-04
2487	438344.4	3724735	1.37E-03	2.70E-04	1.45E-03	1.50E-04
2488	438351	3724748	1.41E-03	2.78E-04	1.49E-03	1.54E-04

2489	438357.6	3724761	1.45E-03	2.86E-04	1.54E-03	1.58E-04
2490	438364.3	3724774	1.48E-03	2.93E-04	1.58E-03	1.62E-04
2491	438370.9	3724787	1.52E-03	3.00E-04	1.61E-03	1.66E-04
2492	438377.5	3724800	1.56E-03	3.08E-04	1.65E-03	1.70E-04
2493	438384.1	3724813	1.59E-03	3.14E-04	1.69E-03	1.74E-04
2494	438390.8	3724826	1.62E-03	3.20E-04	1.72E-03	1.77E-04
2495	438417.3	3724878	1.80E-03	3.55E-04	1.91E-03	1.97E-04
2496	438423.9	3724891	1.84E-03	3.64E-04	1.96E-03	2.02E-04
2497	438430.5	3724904	1.89E-03	3.73E-04	2.01E-03	2.07E-04
2498	438437.2	3724917	1.93E-03	3.81E-04	2.05E-03	2.11E-04
2499	438443.8	3724931	1.97E-03	3.90E-04	2.10E-03	2.16E-04
2500	438450.4	3724944	2.01E-03	3.97E-04	2.14E-03	2.20E-04
2501	438546.4	3725669	1.99E-03	3.93E-04	2.11E-03	2.18E-04
2502	438541.9	3725683	2.00E-03	3.96E-04	2.13E-03	2.19E-04
2503	438537.4	3725697	2.02E-03	3.98E-04	2.14E-03	2.21E-04
2504	438370.5	3724705	1.25E-03	2.47E-04	1.33E-03	1.37E-04
2505	438377.1	3724718	1.29E-03	2.54E-04	1.37E-03	1.41E-04
2506	438383.7	3724731	1.32E-03	2.61E-04	1.40E-03	1.45E-04
2507	438390.4	3724744	1.36E-03	2.68E-04	1.44E-03	1.48E-04
2508	438397	3724757	1.39E-03	2.75E-04	1.48E-03	1.52E-04
2509	438403.6	3724770	1.43E-03	2.82E-04	1.52E-03	1.56E-04
2510	438410.3	3724783	1.46E-03	2.88E-04	1.55E-03	1.60E-04
2511	438416.9	3724796	1.49E-03	2.94E-04	1.58E-03	1.63E-04
2512	438423.6	3724809	1.51E-03	2.98E-04	1.60E-03	1.65E-04
2513	438430.2	3724822	1.54E-03	3.04E-04	1.63E-03	1.68E-04
2514	438436.8	3724835	1.58E-03	3.11E-04	1.67E-03	1.72E-04
2515	438443.5	3724848	1.61E-03	3.18E-04	1.71E-03	1.76E-04
2516	438450.1	3724861	1.65E-03	3.27E-04	1.76E-03	1.81E-04
2517	438456.7	3724874	1.70E-03	3.35E-04	1.80E-03	1.86E-04
2518	438463.4	3724887	1.74E-03	3.43E-04	1.85E-03	1.90E-04
2519	438470	3724901	1.78E-03	3.52E-04	1.89E-03	1.95E-04
2520	438396.5	3724674	1.15E-03	2.27E-04	1.22E-03	1.26E-04
2521	438403.2	3724687	1.18E-03	2.33E-04	1.25E-03	1.29E-04
2522	438409.8	3724700	1.21E-03	2.39E-04	1.29E-03	1.32E-04
2523	438416.5	3724713	1.24E-03	2.46E-04	1.32E-03	1.36E-04
2524	438423.1	3724727	1.27E-03	2.52E-04	1.35E-03	1.39E-04
2525	438429.8	3724740	1.31E-03	2.58E-04	1.39E-03	1.43E-04
2526	438436.4	3724753	1.34E-03	2.64E-04	1.42E-03	1.46E-04
2527	438443.1	3724766	1.37E-03	2.70E-04	1.45E-03	1.49E-04
2528	438449.7	3724779	1.39E-03	2.75E-04	1.48E-03	1.52E-04
2529	438456.4	3724792	1.42E-03	2.80E-04	1.51E-03	1.55E-04
2530	438463	3724805	1.45E-03	2.86E-04	1.54E-03	1.58E-04
2531	438469.7	3724818	1.47E-03	2.91E-04	1.56E-03	1.61E-04
2532	438476.3	3724831	1.51E-03	2.97E-04	1.60E-03	1.65E-04
2533	438483	3724844	1.54E-03	3.04E-04	1.63E-03	1.68E-04
2534	438489.6	3724857	1.58E-03	3.11E-04	1.67E-03	1.72E-04
2535	438496.2	3724871	1.61E-03	3.18E-04	1.71E-03	1.76E-04
2536	437835.2	3725489	4.69E-02	9.26E-03	4.98E-02	5.13E-03
2537	437840.8	3725482	4.69E-02	9.27E-03	4.99E-02	5.14E-03
2538	437882.9	3725525	2.85E-02	5.63E-03	3.03E-02	3.12E-03
2539	437898.7	3725538	2.46E-02	4.86E-03	2.61E-02	2.69E-03
2540	438198.7	3725722	4.98E-03	9.83E-04	5.29E-03	5.45E-04

2541	438222.5	3725740	4.54E-03	8.97E-04	4.83E-03	4.97E-04
2542	438280.5	3725796	3.65E-03	7.22E-04	3.88E-03	4.00E-04
2543	437841.2	3725401	6.81E-02	1.34E-02	7.23E-02	7.45E-03
2544	437860.7	3725405	5.41E-02	1.07E-02	5.75E-02	5.92E-03
2545	437899.8	3725414	3.61E-02	7.13E-03	3.83E-02	3.95E-03
2546	437916	3725425	3.05E-02	6.03E-03	3.24E-02	3.34E-03
2547	437922.7	3725410	2.98E-02	5.88E-03	3.16E-02	3.26E-03
2548	437926	3725394	3.01E-02	5.94E-03	3.19E-02	3.29E-03
2549	437939	3725422	2.59E-02	5.11E-03	2.75E-02	2.83E-03
2550	437932.2	3725437	2.64E-02	5.22E-03	2.81E-02	2.89E-03
2551	437955.1	3725433	2.27E-02	4.49E-03	2.41E-02	2.48E-03
2552	437948.3	3725448	2.31E-02	4.55E-03	2.45E-02	2.52E-03
2553	437964.3	3725460	2.02E-02	3.99E-03	2.15E-02	2.21E-03
2554	437980.4	3725472	1.78E-02	3.51E-03	1.89E-02	1.94E-03
2555	437991.4	3725495	1.59E-02	3.13E-03	1.68E-02	1.73E-03
2556	438037.1	3725441	1.36E-02	2.69E-03	1.45E-02	1.49E-03
2557	438030.5	3725456	1.38E-02	2.72E-03	1.46E-02	1.51E-03
2558	438023.9	3725470	1.39E-02	2.75E-03	1.48E-02	1.52E-03
2559	438017.3	3725485	1.40E-02	2.77E-03	1.49E-02	1.53E-03
2560	438010.7	3725499	1.41E-02	2.78E-03	1.50E-02	1.54E-03
2561	438004.1	3725514	1.42E-02	2.80E-03	1.51E-02	1.55E-03
2562	438042.1	3725425	1.35E-02	2.68E-03	1.44E-02	1.48E-03
2563	438063	3725455	1.16E-02	2.29E-03	1.23E-02	1.27E-03
2564	438056.1	3725470	1.18E-02	2.32E-03	1.25E-02	1.29E-03
2565	438049.3	3725485	1.19E-02	2.35E-03	1.26E-02	1.30E-03
2566	438042.4	3725500	1.19E-02	2.36E-03	1.27E-02	1.31E-03
2567	438035.6	3725515	1.20E-02	2.38E-03	1.28E-02	1.32E-03
2568	438028.7	3725530	1.21E-02	2.39E-03	1.29E-02	1.33E-03
2569	438018.5	3725553	1.22E-02	2.42E-03	1.30E-02	1.34E-03
2570	438073.1	3725423	1.15E-02	2.28E-03	1.23E-02	1.26E-03
2571	438085.8	3725475	1.01E-02	1.99E-03	1.07E-02	1.10E-03
2572	438079.1	3725490	1.02E-02	2.02E-03	1.08E-02	1.12E-03
2573	438072.3	3725505	1.03E-02	2.03E-03	1.09E-02	1.13E-03
2574	438065.6	3725520	1.04E-02	2.05E-03	1.10E-02	1.13E-03
2575	438058.9	3725535	1.04E-02	2.06E-03	1.11E-02	1.14E-03
2576	438052.2	3725549	1.05E-02	2.08E-03	1.12E-02	1.15E-03
2577	438038.7	3725579	1.07E-02	2.11E-03	1.13E-02	1.17E-03
2578	438111.3	3725490	8.84E-03	1.75E-03	9.39E-03	9.67E-04
2579	438104.4	3725505	8.96E-03	1.77E-03	9.52E-03	9.80E-04
2580	438097.4	3725520	9.04E-03	1.79E-03	9.60E-03	9.89E-04
2581	438090.5	3725536	9.09E-03	1.80E-03	9.66E-03	9.94E-04
2582	438083.6	3725551	9.15E-03	1.81E-03	9.72E-03	1.00E-03
2583	438076.6	3725566	9.19E-03	1.81E-03	9.76E-03	1.00E-03
2584	438127.4	3725525	7.95E-03	1.57E-03	8.44E-03	8.69E-04
2585	438120.6	3725540	8.03E-03	1.59E-03	8.52E-03	8.78E-04
2586	438113.7	3725555	8.07E-03	1.59E-03	8.58E-03	8.83E-04
2587	438106.9	3725570	8.13E-03	1.61E-03	8.64E-03	8.89E-04
2588	438100.1	3725585	8.19E-03	1.62E-03	8.70E-03	8.96E-04
2589	438147.1	3725552	7.11E-03	1.40E-03	7.55E-03	7.78E-04
2590	438140.4	3725567	7.17E-03	1.42E-03	7.62E-03	7.85E-04
2591	438133.7	3725582	7.26E-03	1.43E-03	7.71E-03	7.94E-04
2592	438127	3725597	7.34E-03	1.45E-03	7.79E-03	8.03E-04

2593	438120.2	3725612	7.36E-03	1.45E-03	7.82E-03	8.05E-04
2594	438179	3725553	6.28E-03	1.24E-03	6.67E-03	6.87E-04
2595	438172.1	3725568	6.37E-03	1.26E-03	6.76E-03	6.96E-04
2596	438165.2	3725583	6.44E-03	1.27E-03	6.84E-03	7.05E-04
2597	438158.3	3725598	6.51E-03	1.29E-03	6.92E-03	7.13E-04
2598	438151.4	3725614	6.56E-03	1.30E-03	6.96E-03	7.17E-04
2599	438144.5	3725629	6.59E-03	1.30E-03	7.00E-03	7.21E-04
2600	438198.7	3725580	5.70E-03	1.13E-03	6.05E-03	6.23E-04
2601	438191.9	3725595	5.76E-03	1.14E-03	6.12E-03	6.30E-04
2602	438185.1	3725610	5.82E-03	1.15E-03	6.19E-03	6.37E-04
2603	438178.3	3725625	5.88E-03	1.16E-03	6.24E-03	6.43E-04
2604	438171.5	3725640	5.93E-03	1.17E-03	6.29E-03	6.48E-04
2605	438164.7	3725655	5.96E-03	1.18E-03	6.33E-03	6.52E-04
2606	438225.3	3725592	5.14E-03	1.02E-03	5.46E-03	5.62E-04
2607	438218.6	3725607	5.20E-03	1.03E-03	5.53E-03	5.69E-04
2608	438211.9	3725622	5.26E-03	1.04E-03	5.59E-03	5.75E-04
2609	438205.1	3725637	5.31E-03	1.05E-03	5.64E-03	5.81E-04
2610	438198.4	3725651	5.36E-03	1.06E-03	5.69E-03	5.86E-04
2611	438191.7	3725666	5.39E-03	1.06E-03	5.73E-03	5.90E-04
2612	438275.8	3725481	4.62E-03	9.13E-04	4.91E-03	5.06E-04
2613	438301.7	3725494	4.19E-03	8.28E-04	4.45E-03	4.59E-04
2614	438236.5	3725638	4.78E-03	9.44E-04	5.07E-03	5.23E-04
2615	438229.6	3725653	4.83E-03	9.54E-04	5.13E-03	5.28E-04
2616	438222.7	3725669	4.88E-03	9.63E-04	5.18E-03	5.33E-04
2617	438215.9	3725684	4.91E-03	9.70E-04	5.22E-03	5.37E-04
2618	438306.8	3725478	4.16E-03	8.22E-04	4.42E-03	4.55E-04
2619	438293.8	3725582	4.10E-03	8.11E-04	4.36E-03	4.49E-04
2620	438287	3725597	4.16E-03	8.22E-04	4.42E-03	4.55E-04
2621	438280.2	3725612	4.21E-03	8.32E-04	4.47E-03	4.61E-04
2622	438273.5	3725627	4.26E-03	8.41E-04	4.52E-03	4.66E-04
2623	438266.7	3725642	4.31E-03	8.52E-04	4.58E-03	4.72E-04
2624	438259.9	3725657	4.36E-03	8.62E-04	4.63E-03	4.77E-04
2625	438253.1	3725672	4.41E-03	8.71E-04	4.68E-03	4.82E-04
2626	438246.3	3725687	4.45E-03	8.79E-04	4.73E-03	4.87E-04
2627	438239.5	3725702	4.49E-03	8.86E-04	4.76E-03	4.91E-04
2628	438319.2	3725621	3.70E-03	7.31E-04	3.93E-03	4.05E-04
2629	438312.3	3725636	3.75E-03	7.40E-04	3.98E-03	4.10E-04
2630	438305.5	3725651	3.80E-03	7.50E-04	4.03E-03	4.16E-04
2631	438298.7	3725666	3.84E-03	7.59E-04	4.08E-03	4.21E-04
2632	438291.8	3725681	3.89E-03	7.68E-04	4.13E-03	4.25E-04
2633	438285	3725696	3.93E-03	7.76E-04	4.17E-03	4.30E-04
2634	438278.2	3725711	3.96E-03	7.83E-04	4.21E-03	4.34E-04
2635	438271.3	3725726	4.00E-03	7.89E-04	4.24E-03	4.37E-04
2636	438264.5	3725742	4.02E-03	7.94E-04	4.27E-03	4.40E-04
2637	438351.2	3725645	3.31E-03	6.54E-04	3.52E-03	3.63E-04
2638	438344.4	3725660	3.35E-03	6.62E-04	3.56E-03	3.67E-04
2639	438337.5	3725675	3.40E-03	6.71E-04	3.61E-03	3.72E-04
2640	438330.6	3725690	3.44E-03	6.80E-04	3.66E-03	3.76E-04
2641	438323.8	3725705	3.48E-03	6.88E-04	3.70E-03	3.81E-04
2642	438316.9	3725720	3.52E-03	6.95E-04	3.74E-03	3.85E-04
2643	438310	3725735	3.55E-03	7.01E-04	3.77E-03	3.88E-04
2644	438303.2	3725751	3.57E-03	7.06E-04	3.80E-03	3.91E-04

2645	438296.3	3725766	3.60E-03	7.11E-04	3.83E-03	3.94E-04
2646	438386.7	3725661	2.97E-03	5.86E-04	3.15E-03	3.25E-04
2647	438379.8	3725676	3.01E-03	5.94E-04	3.19E-03	3.29E-04
2648	438372.9	3725691	3.04E-03	6.01E-04	3.23E-03	3.33E-04
2649	438366	3725706	3.08E-03	6.08E-04	3.27E-03	3.37E-04
2650	438359.1	3725721	3.12E-03	6.15E-04	3.31E-03	3.41E-04
2651	438352.2	3725737	3.15E-03	6.22E-04	3.35E-03	3.45E-04
2652	438345.3	3725752	3.18E-03	6.29E-04	3.38E-03	3.48E-04
2653	438338.4	3725767	3.21E-03	6.35E-04	3.41E-03	3.52E-04
2654	438331.5	3725782	3.24E-03	6.39E-04	3.44E-03	3.54E-04
2655	438467.3	3725577	2.47E-03	4.88E-04	2.63E-03	2.70E-04
2656	438411.8	3725700	2.73E-03	5.39E-04	2.90E-03	2.99E-04
2657	438404.9	3725715	2.77E-03	5.46E-04	2.94E-03	3.02E-04
2658	438398	3725730	2.80E-03	5.53E-04	2.97E-03	3.06E-04
2659	438391.1	3725745	2.83E-03	5.59E-04	3.01E-03	3.10E-04
2660	438384.1	3725761	2.86E-03	5.65E-04	3.04E-03	3.13E-04
2661	438377.2	3725776	2.89E-03	5.70E-04	3.07E-03	3.16E-04
2662	438370.3	3725791	2.91E-03	5.75E-04	3.09E-03	3.18E-04
2663	438363.4	3725807	2.93E-03	5.80E-04	3.12E-03	3.21E-04
2664	438492.5	3725616	2.29E-03	4.52E-04	2.43E-03	2.50E-04
2665	438443.8	3725723	2.49E-03	4.92E-04	2.65E-03	2.73E-04
2666	438436.9	3725739	2.52E-03	4.98E-04	2.68E-03	2.76E-04
2667	438429.9	3725754	2.55E-03	5.04E-04	2.71E-03	2.79E-04
2668	438423	3725769	2.58E-03	5.10E-04	2.74E-03	2.82E-04
2669	438416	3725785	2.61E-03	5.15E-04	2.77E-03	2.85E-04
2670	438409.1	3725800	2.63E-03	5.20E-04	2.80E-03	2.88E-04
2671	438402.1	3725815	2.66E-03	5.25E-04	2.82E-03	2.91E-04
2672	438395.2	3725831	2.67E-03	5.28E-04	2.84E-03	2.92E-04
2673	438474.4	3725750	2.29E-03	4.53E-04	2.44E-03	2.51E-04
2674	438467.6	3725765	2.32E-03	4.58E-04	2.46E-03	2.54E-04
2675	438460.8	3725780	2.34E-03	4.62E-04	2.49E-03	2.56E-04
2676	437812.9	3725343	1.21E-01	2.38E-02	1.28E-01	1.32E-02
2677	437869.3	3725369	5.37E-02	1.06E-02	5.70E-02	5.87E-03
2678	437910.2	3725367	3.63E-02	7.16E-03	3.85E-02	3.97E-03
2679	437951.1	3725365	2.64E-02	5.21E-03	2.80E-02	2.88E-03
2680	437966.6	3725394	2.27E-02	4.48E-03	2.41E-02	2.48E-03
2681	437970.8	3725369	2.29E-02	4.52E-03	2.43E-02	2.50E-03
2682	438044.6	3725412	1.36E-02	2.69E-03	1.45E-02	1.49E-03
2683	438047	3725398	1.37E-02	2.71E-03	1.46E-02	1.50E-03
2684	438049.7	3725382	1.38E-02	2.73E-03	1.47E-02	1.51E-03
2685	438075.2	3725412	1.16E-02	2.29E-03	1.23E-02	1.27E-03
2686	438078	3725395	1.17E-02	2.30E-03	1.24E-02	1.28E-03
2687	438103.7	3725423	9.91E-03	1.96E-03	1.05E-02	1.08E-03
2688	438106.2	3725408	9.96E-03	1.97E-03	1.06E-02	1.09E-03
2689	438108.9	3725391	9.99E-03	1.97E-03	1.06E-02	1.09E-03
2690	438137.2	3725405	8.60E-03	1.70E-03	9.13E-03	9.41E-04
2691	438168.2	3725401	7.46E-03	1.47E-03	7.93E-03	8.16E-04
2692	437833.4	3725344	8.88E-02	1.75E-02	9.43E-02	9.71E-03
2693	437889.1	3725369	4.36E-02	8.61E-03	4.63E-02	4.77E-03
2694	438007.4	3725390	1.75E-02	3.46E-03	1.86E-02	1.92E-03
2695	437917	3725343	3.59E-02	7.09E-03	3.81E-02	3.92E-03
2696	437957.7	3725345	2.58E-02	5.10E-03	2.74E-02	2.82E-03

2697	437979.3	3725343	2.21E-02	4.37E-03	2.35E-02	2.42E-03
2698	438013.1	3725370	1.73E-02	3.42E-03	1.84E-02	1.90E-03
2699	438034.7	3725367	1.53E-02	3.02E-03	1.63E-02	1.67E-03
2700	438058.6	3725357	1.35E-02	2.66E-03	1.43E-02	1.48E-03
2701	438113.9	3725381	9.82E-03	1.94E-03	1.04E-02	1.07E-03
2702	438142.8	3725389	8.46E-03	1.67E-03	8.99E-03	9.26E-04
2703	437863.6	3725277	5.99E-02	1.18E-02	6.37E-02	6.56E-03
2704	437899.2	3725261	4.07E-02	8.04E-03	4.33E-02	4.46E-03
2705	437918.1	3725263	3.49E-02	6.90E-03	3.71E-02	3.82E-03
2706	437996.2	3725295	2.00E-02	3.96E-03	2.13E-02	2.19E-03
2707	438016.2	3725309	1.76E-02	3.48E-03	1.87E-02	1.93E-03
2708	438017.2	3725318	1.75E-02	3.46E-03	1.86E-02	1.92E-03
2709	438018.2	3725327	1.74E-02	3.43E-03	1.85E-02	1.90E-03
2710	438019.1	3725336	1.72E-02	3.40E-03	1.83E-02	1.88E-03
2711	438032.7	3725288	1.59E-02	3.13E-03	1.69E-02	1.74E-03
2712	438033.6	3725297	1.58E-02	3.12E-03	1.68E-02	1.73E-03
2713	438034.6	3725306	1.57E-02	3.11E-03	1.67E-02	1.72E-03
2714	438035.5	3725315	1.57E-02	3.09E-03	1.66E-02	1.71E-03
2715	438055.7	3725330	1.38E-02	2.73E-03	1.47E-02	1.51E-03
2716	438056.7	3725339	1.37E-02	2.71E-03	1.46E-02	1.50E-03
2717	438083.6	3725328	1.18E-02	2.33E-03	1.25E-02	1.29E-03
2718	438084.5	3725338	1.17E-02	2.32E-03	1.25E-02	1.28E-03
2719	438085.5	3725347	1.16E-02	2.30E-03	1.24E-02	1.27E-03
2720	438086.5	3725356	1.15E-02	2.28E-03	1.23E-02	1.26E-03
2721	438110.6	3725319	1.03E-02	2.03E-03	1.09E-02	1.12E-03
2722	438111.6	3725328	1.02E-02	2.02E-03	1.08E-02	1.12E-03
2723	438113.4	3725346	1.00E-02	1.98E-03	1.07E-02	1.10E-03
2724	438137.5	3725309	8.97E-03	1.77E-03	9.53E-03	9.81E-04
2725	438138.4	3725318	8.91E-03	1.76E-03	9.47E-03	9.75E-04
2726	438139.4	3725327	8.85E-03	1.75E-03	9.40E-03	9.68E-04
2727	438140.3	3725336	8.79E-03	1.74E-03	9.34E-03	9.61E-04
2728	438164.3	3725298	7.86E-03	1.55E-03	8.35E-03	8.59E-04
2729	438165.3	3725307	7.82E-03	1.54E-03	8.30E-03	8.55E-04
2730	438166.2	3725316	7.77E-03	1.53E-03	8.25E-03	8.50E-04
2731	438167.2	3725325	7.72E-03	1.52E-03	8.20E-03	8.44E-04
2732	438173	3725380	7.39E-03	1.46E-03	7.85E-03	8.09E-04
2733	438194.2	3725316	6.85E-03	1.35E-03	7.28E-03	7.50E-04
2734	438200	3725371	6.57E-03	1.30E-03	6.98E-03	7.19E-04
2735	438200.9	3725380	6.52E-03	1.29E-03	6.93E-03	7.14E-04
2736	438201.9	3725389	6.47E-03	1.28E-03	6.87E-03	7.08E-04
2737	438226.8	3725360	5.89E-03	1.16E-03	6.26E-03	6.45E-04
2738	438227.8	3725369	5.85E-03	1.15E-03	6.21E-03	6.40E-04
2739	438228.8	3725378	5.80E-03	1.15E-03	6.16E-03	6.34E-04
2740	438229.7	3725388	5.75E-03	1.14E-03	6.11E-03	6.29E-04
2741	438254.8	3725360	5.28E-03	1.04E-03	5.61E-03	5.78E-04
2742	438255.8	3725369	5.24E-03	1.04E-03	5.57E-03	5.73E-04
2743	438256.7	3725378	5.20E-03	1.03E-03	5.52E-03	5.69E-04
2744	438257.7	3725387	5.16E-03	1.02E-03	5.48E-03	5.64E-04
2745	438258.6	3725396	5.13E-03	1.01E-03	5.45E-03	5.61E-04
2746	438285.5	3725386	4.66E-03	9.20E-04	4.95E-03	5.09E-04
2747	438286.5	3725395	4.63E-03	9.14E-04	4.92E-03	5.06E-04
2748	438472.4	3724891	1.74E-03	3.43E-04	1.84E-03	1.90E-04

2749	438507.7	3724872	1.60E-03	3.15E-04	1.69E-03	1.75E-04
2750	438503.4	3724864	1.58E-03	3.11E-04	1.67E-03	1.72E-04
2751	438499	3724856	1.56E-03	3.07E-04	1.65E-03	1.70E-04
2752	438494.7	3724848	1.53E-03	3.03E-04	1.63E-03	1.68E-04
2753	438534.4	3724837	1.44E-03	2.85E-04	1.53E-03	1.58E-04
2754	438530	3724829	1.42E-03	2.81E-04	1.51E-03	1.56E-04
2755	438565.3	3724810	1.32E-03	2.60E-04	1.40E-03	1.44E-04
2756	438160.6	3724648	1.01E-03	2.00E-04	1.08E-03	1.11E-04
2757	438152.8	3724643	9.88E-04	1.95E-04	1.05E-03	1.08E-04
2758	438145.1	3724638	9.62E-04	1.90E-04	1.02E-03	1.05E-04
2759	438137.3	3724632	9.36E-04	1.85E-04	9.95E-04	1.02E-04
2760	438129.5	3724627	9.11E-04	1.80E-04	9.67E-04	9.96E-05
2761	438121.8	3724622	8.86E-04	1.75E-04	9.41E-04	9.69E-05
2762	438114	3724616	8.60E-04	1.70E-04	9.14E-04	9.41E-05
2763	438106.3	3724611	8.34E-04	1.65E-04	8.86E-04	9.13E-05
2764	438098.5	3724606	8.08E-04	1.60E-04	8.58E-04	8.84E-05
2765	438189.4	3724622	9.51E-04	1.88E-04	1.01E-03	1.04E-04
2766	438195.6	3724629	9.76E-04	1.93E-04	1.04E-03	1.07E-04
2767	438201.8	3724636	1.00E-03	1.98E-04	1.06E-03	1.10E-04
2768	438207.9	3724643	1.03E-03	2.03E-04	1.09E-03	1.12E-04
2769	438214.1	3724650	1.05E-03	2.08E-04	1.12E-03	1.15E-04
2770	438220.3	3724657	1.08E-03	2.14E-04	1.15E-03	1.18E-04
2771	438226.4	3724664	1.11E-03	2.19E-04	1.18E-03	1.21E-04
2772	438232.6	3724671	1.13E-03	2.24E-04	1.21E-03	1.24E-04
2773	438238.8	3724678	1.16E-03	2.29E-04	1.23E-03	1.27E-04
2774	438245	3724684	1.19E-03	2.35E-04	1.26E-03	1.30E-04
2775	438251.1	3724691	1.22E-03	2.41E-04	1.30E-03	1.34E-04
2776	438257.3	3724698	1.25E-03	2.47E-04	1.33E-03	1.37E-04
2777	438263.5	3724705	1.28E-03	2.52E-04	1.36E-03	1.40E-04
2778	438269.7	3724712	1.31E-03	2.58E-04	1.39E-03	1.43E-04
2779	438275.8	3724719	1.33E-03	2.64E-04	1.42E-03	1.46E-04
2780	438282	3724726	1.36E-03	2.69E-04	1.45E-03	1.49E-04
2781	438288.2	3724733	1.39E-03	2.74E-04	1.47E-03	1.52E-04
2782	438343.7	3724795	1.59E-03	3.14E-04	1.69E-03	1.74E-04
2783	438349.9	3724802	1.61E-03	3.17E-04	1.71E-03	1.76E-04
2784	438356.1	3724809	1.62E-03	3.21E-04	1.72E-03	1.78E-04
2785	438183.2	3724615	9.26E-04	1.83E-04	9.84E-04	1.01E-04
2786	438175.5	3724610	9.04E-04	1.79E-04	9.61E-04	9.89E-05
2787	438167.7	3724605	8.82E-04	1.74E-04	9.36E-04	9.64E-05
2788	438160	3724599	8.58E-04	1.69E-04	9.11E-04	9.38E-05
2789	438152.2	3724594	8.34E-04	1.65E-04	8.86E-04	9.12E-05
2790	438144.5	3724589	8.10E-04	1.60E-04	8.61E-04	8.87E-05
2791	438136.7	3724583	7.87E-04	1.55E-04	8.36E-04	8.61E-05
2792	438128.9	3724578	7.64E-04	1.51E-04	8.12E-04	8.36E-05
2793	438121.2	3724573	7.42E-04	1.46E-04	7.88E-04	8.11E-05
2794	438212.1	3724589	8.72E-04	1.72E-04	9.26E-04	9.54E-05
2795	438218.3	3724596	8.95E-04	1.77E-04	9.50E-04	9.79E-05
2796	438224.4	3724603	9.18E-04	1.81E-04	9.75E-04	1.00E-04
2797	438230.6	3724610	9.42E-04	1.86E-04	1.00E-03	1.03E-04
2798	438236.8	3724617	9.65E-04	1.91E-04	1.03E-03	1.06E-04
2799	438243	3724624	9.88E-04	1.95E-04	1.05E-03	1.08E-04
2800	438249.2	3724631	1.01E-03	2.00E-04	1.07E-03	1.11E-04

2801	438255.3	3724638	1.04E-03	2.04E-04	1.10E-03	1.13E-04
2802	438261.5	3724645	1.06E-03	2.09E-04	1.13E-03	1.16E-04
2803	438267.7	3724652	1.08E-03	2.14E-04	1.15E-03	1.19E-04
2804	438273.9	3724659	1.11E-03	2.19E-04	1.18E-03	1.21E-04
2805	438280.1	3724665	1.13E-03	2.24E-04	1.20E-03	1.24E-04
2806	438286.3	3724672	1.16E-03	2.29E-04	1.23E-03	1.27E-04
2807	438292.4	3724679	1.18E-03	2.33E-04	1.26E-03	1.29E-04
2808	438298.6	3724686	1.21E-03	2.38E-04	1.28E-03	1.32E-04
2809	438317.2	3724707	1.28E-03	2.52E-04	1.36E-03	1.40E-04
2810	438366.6	3724763	1.44E-03	2.85E-04	1.53E-03	1.58E-04
2811	438372.8	3724769	1.46E-03	2.88E-04	1.55E-03	1.60E-04
2812	438379	3724776	1.48E-03	2.91E-04	1.57E-03	1.61E-04
2813	438385.2	3724783	1.49E-03	2.95E-04	1.58E-03	1.63E-04
2814	438391.3	3724790	1.51E-03	2.97E-04	1.60E-03	1.65E-04
2815	438397.5	3724797	1.52E-03	2.99E-04	1.61E-03	1.66E-04
2816	438403.7	3724804	1.52E-03	3.01E-04	1.62E-03	1.67E-04
2817	438409.9	3724811	1.53E-03	3.03E-04	1.63E-03	1.68E-04
2818	438416.1	3724818	1.54E-03	3.05E-04	1.64E-03	1.69E-04
2819	438428.4	3724832	1.58E-03	3.11E-04	1.67E-03	1.72E-04
2820	438205.9	3724582	8.49E-04	1.68E-04	9.02E-04	9.29E-05
2821	438198.1	3724577	8.30E-04	1.64E-04	8.82E-04	9.08E-05
2822	438190.4	3724572	8.10E-04	1.60E-04	8.61E-04	8.87E-05
2823	438182.6	3724566	7.89E-04	1.56E-04	8.38E-04	8.63E-05
2824	438174.9	3724561	7.68E-04	1.52E-04	8.16E-04	8.40E-05
2825	438167.1	3724556	7.47E-04	1.48E-04	7.94E-04	8.17E-05
2826	438159.4	3724550	7.27E-04	1.44E-04	7.72E-04	7.95E-05
2827	438151.6	3724545	7.06E-04	1.39E-04	7.50E-04	7.72E-05
2828	438143.9	3724540	6.85E-04	1.35E-04	7.28E-04	7.49E-05
2829	438234.7	3724556	8.02E-04	1.58E-04	8.52E-04	8.78E-05
2830	438240.9	3724563	8.23E-04	1.63E-04	8.74E-04	9.00E-05
2831	438247.1	3724570	8.44E-04	1.67E-04	8.96E-04	9.23E-05
2832	438253.3	3724577	8.65E-04	1.71E-04	9.18E-04	9.46E-05
2833	438259.5	3724584	8.86E-04	1.75E-04	9.41E-04	9.69E-05
2834	438265.7	3724591	9.07E-04	1.79E-04	9.63E-04	9.92E-05
2835	438271.9	3724598	9.27E-04	1.83E-04	9.85E-04	1.01E-04
2836	438278.1	3724605	9.47E-04	1.87E-04	1.01E-03	1.04E-04
2837	438284.3	3724612	9.69E-04	1.91E-04	1.03E-03	1.06E-04
2838	438290.4	3724619	9.90E-04	1.96E-04	1.05E-03	1.08E-04
2839	438296.6	3724626	1.01E-03	2.00E-04	1.07E-03	1.11E-04
2840	438302.8	3724633	1.03E-03	2.04E-04	1.10E-03	1.13E-04
2841	438309	3724640	1.05E-03	2.08E-04	1.12E-03	1.15E-04
2842	438315.2	3724646	1.08E-03	2.13E-04	1.14E-03	1.18E-04
2843	438321.4	3724653	1.10E-03	2.17E-04	1.17E-03	1.20E-04
2844	438327.6	3724660	1.12E-03	2.21E-04	1.19E-03	1.23E-04
2845	438333.8	3724667	1.14E-03	2.25E-04	1.21E-03	1.25E-04
2846	438340	3724674	1.16E-03	2.29E-04	1.23E-03	1.27E-04
2847	438401.8	3724744	1.35E-03	2.66E-04	1.43E-03	1.47E-04
2848	438408	3724751	1.36E-03	2.69E-04	1.45E-03	1.49E-04
2849	438414.2	3724758	1.37E-03	2.72E-04	1.46E-03	1.50E-04
2850	438420.4	3724764	1.39E-03	2.74E-04	1.48E-03	1.52E-04
2851	438426.6	3724771	1.40E-03	2.77E-04	1.49E-03	1.54E-04
2852	438432.8	3724778	1.42E-03	2.80E-04	1.50E-03	1.55E-04

2853	438439	3724785	1.43E-03	2.82E-04	1.52E-03	1.56E-04
2854	438445.2	3724792	1.44E-03	2.84E-04	1.53E-03	1.57E-04
2855	438228.6	3724549	7.82E-04	1.54E-04	8.30E-04	8.55E-05
2856	438220.8	3724544	7.63E-04	1.51E-04	8.11E-04	8.35E-05
2857	438213	3724539	7.45E-04	1.47E-04	7.91E-04	8.15E-05
2858	438205.3	3724533	7.27E-04	1.44E-04	7.72E-04	7.95E-05
2859	438197.5	3724528	7.09E-04	1.40E-04	7.53E-04	7.76E-05
2860	438189.8	3724523	6.91E-04	1.36E-04	7.34E-04	7.56E-05
2861	438182	3724517	6.72E-04	1.33E-04	7.14E-04	7.36E-05
2862	438174.3	3724512	6.54E-04	1.29E-04	6.95E-04	7.16E-05
2863	438166.5	3724507	6.36E-04	1.26E-04	6.76E-04	6.96E-05
2864	438257.4	3724523	7.45E-04	1.47E-04	7.91E-04	8.15E-05
2865	438263.6	3724530	7.64E-04	1.51E-04	8.11E-04	8.35E-05
2866	438269.8	3724537	7.82E-04	1.54E-04	8.31E-04	8.56E-05
2867	438276	3724544	8.00E-04	1.58E-04	8.50E-04	8.75E-05
2868	438282.2	3724551	8.19E-04	1.62E-04	8.70E-04	8.96E-05
2869	438288.4	3724558	8.38E-04	1.65E-04	8.90E-04	9.17E-05
2870	438294.6	3724565	8.57E-04	1.69E-04	9.10E-04	9.37E-05
2871	438300.8	3724572	8.76E-04	1.73E-04	9.31E-04	9.58E-05
2872	438307	3724579	8.95E-04	1.77E-04	9.51E-04	9.79E-05
2873	438313.2	3724586	9.14E-04	1.81E-04	9.71E-04	1.00E-04
2874	438319.4	3724593	9.33E-04	1.84E-04	9.92E-04	1.02E-04
2875	438325.6	3724600	9.53E-04	1.88E-04	1.01E-03	1.04E-04
2876	438331.8	3724607	9.74E-04	1.92E-04	1.03E-03	1.07E-04
2877	438337.9	3724614	9.93E-04	1.96E-04	1.05E-03	1.09E-04
2878	438344.1	3724621	1.01E-03	2.00E-04	1.07E-03	1.11E-04
2879	438350.3	3724628	1.03E-03	2.03E-04	1.09E-03	1.13E-04
2880	438356.5	3724634	1.05E-03	2.07E-04	1.11E-03	1.15E-04
2881	438418.5	3724704	1.21E-03	2.40E-04	1.29E-03	1.33E-04
2882	438430.9	3724718	1.24E-03	2.46E-04	1.32E-03	1.36E-04
2883	438437.1	3724725	1.26E-03	2.48E-04	1.34E-03	1.37E-04
2884	438443.3	3724732	1.27E-03	2.51E-04	1.35E-03	1.39E-04
2885	438449.5	3724739	1.28E-03	2.53E-04	1.36E-03	1.40E-04
2886	438455.7	3724746	1.29E-03	2.56E-04	1.37E-03	1.42E-04
2887	438461.9	3724753	1.31E-03	2.58E-04	1.39E-03	1.43E-04
2888	438468.1	3724760	1.32E-03	2.60E-04	1.40E-03	1.44E-04
2889	438474.2	3724766	1.33E-03	2.62E-04	1.41E-03	1.45E-04
2890	438480.4	3724773	1.34E-03	2.64E-04	1.42E-03	1.46E-04
2891	438486.6	3724780	1.35E-03	2.66E-04	1.43E-03	1.48E-04
2892	438492.8	3724787	1.36E-03	2.68E-04	1.44E-03	1.49E-04
2893	438499	3724794	1.37E-03	2.71E-04	1.45E-03	1.50E-04
2894	438505.2	3724801	1.38E-03	2.73E-04	1.47E-03	1.51E-04
2895	438511.4	3724808	1.39E-03	2.75E-04	1.48E-03	1.52E-04
2896	438517.6	3724815	1.40E-03	2.77E-04	1.49E-03	1.53E-04
2897	438523.8	3724822	1.41E-03	2.79E-04	1.50E-03	1.55E-04
2898	438251.2	3724516	7.26E-04	1.43E-04	7.71E-04	7.94E-05
2899	438243.5	3724511	7.09E-04	1.40E-04	7.53E-04	7.76E-05
2900	438235.7	3724506	6.92E-04	1.37E-04	7.35E-04	7.57E-05
2901	438227.9	3724500	6.75E-04	1.33E-04	7.17E-04	7.38E-05
2902	438220.2	3724495	6.58E-04	1.30E-04	6.99E-04	7.19E-05
2903	438212.4	3724490	6.42E-04	1.27E-04	6.82E-04	7.02E-05
2904	438204.7	3724484	6.25E-04	1.24E-04	6.64E-04	6.84E-05

2905	438196.9	3724479	6.09E-04	1.20E-04	6.47E-04	6.67E-05
2906	438189.2	3724474	5.93E-04	1.17E-04	6.30E-04	6.49E-05
2907	438466.1	3724699	1.17E-03	2.30E-04	1.24E-03	1.28E-04
2908	438472.3	3724706	1.18E-03	2.33E-04	1.25E-03	1.29E-04
2909	438478.5	3724713	1.19E-03	2.35E-04	1.26E-03	1.30E-04
2910	438484.7	3724720	1.20E-03	2.37E-04	1.27E-03	1.31E-04
2911	438490.9	3724727	1.21E-03	2.39E-04	1.29E-03	1.32E-04
2912	438497.1	3724734	1.22E-03	2.41E-04	1.30E-03	1.34E-04
2913	438503.3	3724741	1.23E-03	2.44E-04	1.31E-03	1.35E-04
2914	438509.5	3724748	1.25E-03	2.46E-04	1.32E-03	1.36E-04
2915	438515.7	3724755	1.26E-03	2.48E-04	1.33E-03	1.37E-04
2916	438521.9	3724762	1.27E-03	2.50E-04	1.34E-03	1.39E-04
2917	438528.1	3724769	1.27E-03	2.52E-04	1.35E-03	1.39E-04
2918	438534.3	3724775	1.28E-03	2.54E-04	1.36E-03	1.40E-04
2919	438540.5	3724782	1.29E-03	2.55E-04	1.37E-03	1.41E-04
2920	438546.7	3724789	1.30E-03	2.57E-04	1.38E-03	1.42E-04
2921	438552.9	3724796	1.31E-03	2.59E-04	1.39E-03	1.43E-04
2922	438559.1	3724803	1.31E-03	2.60E-04	1.40E-03	1.44E-04
2923	438211.8	3724441	5.59E-04	1.10E-04	5.94E-04	6.12E-05
2924	438302.7	3724457	6.26E-04	1.24E-04	6.64E-04	6.84E-05
2925	438308.9	3724464	6.40E-04	1.26E-04	6.80E-04	7.00E-05
2926	438315.2	3724471	6.55E-04	1.29E-04	6.95E-04	7.16E-05
2927	438321.4	3724478	6.70E-04	1.32E-04	7.11E-04	7.32E-05
2928	438327.6	3724485	6.84E-04	1.35E-04	7.27E-04	7.48E-05
2929	438333.8	3724492	6.98E-04	1.38E-04	7.42E-04	7.64E-05
2930	438340	3724499	7.13E-04	1.41E-04	7.57E-04	7.80E-05
2931	438346.2	3724506	7.28E-04	1.44E-04	7.74E-04	7.97E-05
2932	438352.4	3724513	7.44E-04	1.47E-04	7.90E-04	8.14E-05
2933	438358.6	3724520	7.59E-04	1.50E-04	8.06E-04	8.30E-05
2934	438364.8	3724527	7.74E-04	1.53E-04	8.22E-04	8.47E-05
2935	438371	3724534	7.89E-04	1.56E-04	8.38E-04	8.63E-05
2936	438377.2	3724541	8.05E-04	1.59E-04	8.55E-04	8.80E-05
2937	438383.4	3724548	8.20E-04	1.62E-04	8.71E-04	8.97E-05
2938	438389.6	3724555	8.36E-04	1.65E-04	8.88E-04	9.15E-05
2939	438395.8	3724562	8.52E-04	1.68E-04	9.05E-04	9.32E-05
2940	438402	3724569	8.68E-04	1.71E-04	9.22E-04	9.50E-05
2941	438408.3	3724576	8.83E-04	1.74E-04	9.38E-04	9.66E-05
2942	438414.5	3724583	8.99E-04	1.78E-04	9.55E-04	9.83E-05
2943	438420.7	3724590	9.15E-04	1.81E-04	9.72E-04	1.00E-04
2944	438426.9	3724597	9.32E-04	1.84E-04	9.90E-04	1.02E-04
2945	438433.1	3724604	9.48E-04	1.87E-04	1.01E-03	1.04E-04
2946	438439.3	3724611	9.62E-04	1.90E-04	1.02E-03	1.05E-04
2947	438445.5	3724617	9.77E-04	1.93E-04	1.04E-03	1.07E-04
2948	438451.7	3724624	9.92E-04	1.96E-04	1.05E-03	1.09E-04
2949	438296.5	3724450	6.12E-04	1.21E-04	6.50E-04	6.69E-05
2950	438288.8	3724445	6.01E-04	1.19E-04	6.38E-04	6.57E-05
2951	438281	3724440	5.90E-04	1.17E-04	6.27E-04	6.46E-05
2952	438273.3	3724434	5.79E-04	1.14E-04	6.15E-04	6.33E-05
2953	438325.4	3724424	5.68E-04	1.12E-04	6.03E-04	6.21E-05
2954	438331.6	3724431	5.81E-04	1.15E-04	6.17E-04	6.35E-05
2955	438337.8	3724438	5.93E-04	1.17E-04	6.30E-04	6.49E-05
2956	438344	3724445	6.06E-04	1.20E-04	6.44E-04	6.63E-05

2957	438350.3	3724452	6.20E-04	1.22E-04	6.58E-04	6.78E-05
2958	438356.5	3724459	6.33E-04	1.25E-04	6.73E-04	6.93E-05
2959	438362.7	3724466	6.47E-04	1.28E-04	6.87E-04	7.07E-05
2960	438368.9	3724473	6.60E-04	1.30E-04	7.01E-04	7.22E-05
2961	438375.1	3724480	6.74E-04	1.33E-04	7.16E-04	7.37E-05
2962	438381.3	3724487	6.88E-04	1.36E-04	7.31E-04	7.52E-05
2963	438387.5	3724494	7.02E-04	1.39E-04	7.45E-04	7.68E-05
2964	438393.7	3724501	7.15E-04	1.41E-04	7.60E-04	7.82E-05
2965	438399.9	3724508	7.29E-04	1.44E-04	7.75E-04	7.98E-05
2966	438406.2	3724515	7.43E-04	1.47E-04	7.89E-04	8.12E-05
2967	438412.4	3724522	7.56E-04	1.49E-04	8.03E-04	8.27E-05
2968	438418.6	3724529	7.70E-04	1.52E-04	8.18E-04	8.42E-05
2969	438424.8	3724536	7.84E-04	1.55E-04	8.32E-04	8.57E-05
2970	438431	3724543	7.98E-04	1.58E-04	8.47E-04	8.73E-05
2971	438437.2	3724550	8.11E-04	1.60E-04	8.61E-04	8.87E-05
2972	438443.4	3724557	8.24E-04	1.63E-04	8.75E-04	9.01E-05
2973	438449.6	3724564	8.37E-04	1.65E-04	8.89E-04	9.16E-05
2974	438455.9	3724571	8.51E-04	1.68E-04	9.04E-04	9.31E-05
2975	438462.1	3724578	8.65E-04	1.71E-04	9.19E-04	9.46E-05
2976	438468.3	3724585	8.78E-04	1.73E-04	9.32E-04	9.60E-05
2977	438474.5	3724592	8.90E-04	1.76E-04	9.46E-04	9.74E-05
2978	438480.7	3724599	9.03E-04	1.78E-04	9.59E-04	9.87E-05
2979	438486.9	3724606	9.14E-04	1.81E-04	9.71E-04	1.00E-04
2980	438493.1	3724613	9.26E-04	1.83E-04	9.84E-04	1.01E-04
2981	438319.2	3724417	5.55E-04	1.10E-04	5.90E-04	6.07E-05
2982	438311.4	3724412	5.45E-04	1.08E-04	5.79E-04	5.96E-05
2983	438303.7	3724407	5.35E-04	1.06E-04	5.68E-04	5.85E-05
2984	438295.9	3724401	5.25E-04	1.04E-04	5.58E-04	5.74E-05
2985	438288.2	3724396	5.15E-04	1.02E-04	5.47E-04	5.64E-05
2986	438280.4	3724391	5.05E-04	9.97E-05	5.36E-04	5.52E-05
2987	438272.7	3724385	4.95E-04	9.77E-05	5.25E-04	5.41E-05
2988	438264.9	3724380	4.84E-04	9.57E-05	5.15E-04	5.30E-05
2989	438257.2	3724375	4.75E-04	9.37E-05	5.04E-04	5.19E-05
2990	438089.2	3724599	7.76E-04	1.53E-04	8.25E-04	8.49E-05
2991	438112.5	3724566	7.15E-04	1.41E-04	7.59E-04	7.82E-05
2992	438098.2	3724556	6.72E-04	1.33E-04	7.14E-04	7.35E-05
2993	438083.9	3724546	6.27E-04	1.24E-04	6.65E-04	6.85E-05
2994	438135.9	3724534	6.63E-04	1.31E-04	7.04E-04	7.25E-05
2995	438121.6	3724523	6.25E-04	1.23E-04	6.64E-04	6.84E-05
2996	438107.3	3724513	5.88E-04	1.16E-04	6.25E-04	6.44E-05
2997	438159.2	3724501	6.18E-04	1.22E-04	6.57E-04	6.77E-05
2998	438144.9	3724491	5.85E-04	1.16E-04	6.22E-04	6.40E-05
2999	438130.6	3724481	5.54E-04	1.09E-04	5.88E-04	6.06E-05
3000	438175.4	3724464	5.65E-04	1.12E-04	6.00E-04	6.18E-05
3001	438161.1	3724453	5.36E-04	1.06E-04	5.69E-04	5.86E-05
3002	438146.8	3724443	5.07E-04	1.00E-04	5.39E-04	5.55E-05
3003	438198.7	3724431	5.34E-04	1.06E-04	5.68E-04	5.85E-05
3004	438184.4	3724421	5.08E-04	1.00E-04	5.39E-04	5.55E-05
3005	438170.1	3724411	4.81E-04	9.50E-05	5.11E-04	5.26E-05
3006	438245.4	3724366	4.58E-04	9.05E-05	4.86E-04	5.01E-05
3007	438231.1	3724356	4.39E-04	8.67E-05	4.66E-04	4.80E-05
3008	438216.8	3724346	4.20E-04	8.30E-05	4.46E-04	4.59E-05

3009	437513.6	3724656	2.86E-04	5.65E-05	3.04E-04	3.13E-05
3010	437530.2	3724649	2.77E-04	5.47E-05	2.94E-04	3.03E-05
3011	437546.7	3724642	2.70E-04	5.33E-05	2.87E-04	2.95E-05
3012	437563.3	3724636	2.65E-04	5.24E-05	2.82E-04	2.90E-05
3013	437647.6	3724631	2.60E-04	5.13E-05	2.76E-04	2.84E-05
3014	437664.8	3724636	2.79E-04	5.51E-05	2.97E-04	3.05E-05
3015	437456.8	3724649	2.95E-04	5.83E-05	3.14E-04	3.23E-05
3016	437473	3724642	2.82E-04	5.57E-05	2.99E-04	3.08E-05
3017	437489.3	3724636	2.70E-04	5.33E-05	2.87E-04	2.95E-05
3018	437505.5	3724629	2.60E-04	5.14E-05	2.76E-04	2.84E-05
3019	437521.8	3724622	2.52E-04	4.97E-05	2.67E-04	2.75E-05
3020	437538	3724615	2.45E-04	4.84E-05	2.60E-04	2.68E-05
3021	437554.3	3724609	2.40E-04	4.75E-05	2.55E-04	2.63E-05
3022	437611.5	3724591	2.16E-04	4.27E-05	2.29E-04	2.36E-05
3023	437628.4	3724596	2.22E-04	4.38E-05	2.35E-04	2.42E-05
3024	437645.3	3724601	2.30E-04	4.53E-05	2.44E-04	2.51E-05
3025	437662.1	3724606	2.45E-04	4.85E-05	2.61E-04	2.68E-05
3026	437679	3724611	2.67E-04	5.27E-05	2.83E-04	2.92E-05
3027	437695.9	3724616	2.89E-04	5.71E-05	3.07E-04	3.16E-05
3028	437712.8	3724621	3.14E-04	6.21E-05	3.34E-04	3.44E-05
3029	437388.9	3724646	3.24E-04	6.41E-05	3.45E-04	3.55E-05
3030	437405.2	3724640	3.08E-04	6.09E-05	3.27E-04	3.37E-05
3031	437421.6	3724633	2.93E-04	5.78E-05	3.11E-04	3.20E-05
3032	437438	3724626	2.78E-04	5.50E-05	2.96E-04	3.04E-05
3033	437454.3	3724619	2.65E-04	5.24E-05	2.82E-04	2.90E-05
3034	437470.7	3724613	2.53E-04	5.01E-05	2.69E-04	2.77E-05
3035	437487	3724606	2.43E-04	4.80E-05	2.58E-04	2.66E-05
3036	437503.4	3724599	2.35E-04	4.64E-05	2.49E-04	2.57E-05
3037	437519.7	3724592	2.28E-04	4.50E-05	2.42E-04	2.49E-05
3038	437536.1	3724586	2.22E-04	4.39E-05	2.36E-04	2.43E-05
3039	437585.1	3724565	1.94E-04	3.84E-05	2.06E-04	2.13E-05
3040	437610	3724561	1.92E-04	3.79E-05	2.04E-04	2.10E-05
3041	437626.9	3724566	2.00E-04	3.95E-05	2.13E-04	2.19E-05
3042	437643.9	3724571	2.09E-04	4.13E-05	2.22E-04	2.29E-05
3043	437660.9	3724576	2.23E-04	4.40E-05	2.36E-04	2.43E-05
3044	437677.9	3724581	2.41E-04	4.77E-05	2.56E-04	2.64E-05
3045	437694.8	3724586	2.61E-04	5.16E-05	2.78E-04	2.86E-05
3046	437711.8	3724591	2.84E-04	5.61E-05	3.02E-04	3.11E-05
3047	437728.8	3724596	3.10E-04	6.12E-05	3.29E-04	3.39E-05
3048	437745.8	3724601	3.40E-04	6.71E-05	3.61E-04	3.72E-05
3049	437762.7	3724606	3.74E-04	7.38E-05	3.97E-04	4.09E-05
3050	437779.7	3724611	4.12E-04	8.13E-05	4.37E-04	4.50E-05
3051	437796.7	3724616	4.56E-04	9.00E-05	4.84E-04	4.98E-05
3052	437813.7	3724621	5.06E-04	9.99E-05	5.37E-04	5.53E-05
3053	437362.2	3724617	3.03E-04	5.98E-05	3.21E-04	3.31E-05
3054	437378.6	3724610	2.88E-04	5.68E-05	3.06E-04	3.15E-05
3055	437394.9	3724603	2.74E-04	5.40E-05	2.91E-04	2.99E-05
3056	437411.3	3724596	2.60E-04	5.14E-05	2.76E-04	2.85E-05
3057	437427.6	3724590	2.48E-04	4.89E-05	2.63E-04	2.71E-05
3058	437444	3724583	2.37E-04	4.67E-05	2.51E-04	2.59E-05
3059	437460.3	3724576	2.26E-04	4.47E-05	2.41E-04	2.48E-05
3060	437476.7	3724569	2.17E-04	4.29E-05	2.31E-04	2.38E-05

3061	437493.1	3724563	2.10E-04	4.15E-05	2.23E-04	2.30E-05
3062	437509.4	3724556	2.03E-04	4.02E-05	2.16E-04	2.22E-05
3063	437558.5	3724536	1.85E-04	3.66E-05	1.97E-04	2.02E-05
3064	437574.8	3724529	1.72E-04	3.41E-05	1.83E-04	1.89E-05
3065	437591.2	3724522	1.66E-04	3.28E-05	1.76E-04	1.82E-05
3066	437607.8	3724521	1.69E-04	3.34E-05	1.80E-04	1.85E-05
3067	437624.8	3724526	1.76E-04	3.48E-05	1.87E-04	1.93E-05
3068	437641.8	3724531	1.86E-04	3.67E-05	1.97E-04	2.03E-05
3069	437658.8	3724536	1.98E-04	3.91E-05	2.10E-04	2.16E-05
3070	437675.7	3724541	2.12E-04	4.19E-05	2.26E-04	2.32E-05
3071	437692.7	3724546	2.29E-04	4.53E-05	2.43E-04	2.51E-05
3072	437709.7	3724551	2.49E-04	4.91E-05	2.64E-04	2.72E-05
3073	437726.7	3724556	2.69E-04	5.30E-05	2.85E-04	2.94E-05
3074	437743.6	3724561	2.91E-04	5.75E-05	3.09E-04	3.18E-05
3075	437760.6	3724566	3.18E-04	6.27E-05	3.37E-04	3.47E-05
3076	437777.6	3724571	3.46E-04	6.83E-05	3.67E-04	3.78E-05
3077	437794.6	3724576	3.75E-04	7.41E-05	3.98E-04	4.10E-05
3078	437811.5	3724581	4.11E-04	8.11E-05	4.36E-04	4.49E-05
3079	437828.5	3724586	4.50E-04	8.89E-05	4.78E-04	4.92E-05
3080	437335.6	3724587	2.84E-04	5.60E-05	3.01E-04	3.10E-05
3081	437351.9	3724580	2.70E-04	5.34E-05	2.87E-04	2.96E-05
3082	437368.3	3724573	2.57E-04	5.08E-05	2.73E-04	2.81E-05
3083	437384.6	3724566	2.45E-04	4.84E-05	2.60E-04	2.68E-05
3084	437401	3724560	2.33E-04	4.61E-05	2.48E-04	2.55E-05
3085	437417.3	3724553	2.23E-04	4.40E-05	2.37E-04	2.44E-05
3086	437433.7	3724546	2.13E-04	4.20E-05	2.26E-04	2.33E-05
3087	437450	3724539	2.04E-04	4.03E-05	2.17E-04	2.23E-05
3088	437466.4	3724533	1.96E-04	3.87E-05	2.08E-04	2.14E-05
3089	437482.7	3724526	1.89E-04	3.74E-05	2.01E-04	2.07E-05
3090	437580.9	3724485	1.55E-04	3.07E-05	1.65E-04	1.70E-05
3091	437605.7	3724481	1.55E-04	3.07E-05	1.65E-04	1.70E-05
3092	437622.7	3724486	1.61E-04	3.18E-05	1.71E-04	1.76E-05
3093	437639.6	3724491	1.68E-04	3.32E-05	1.79E-04	1.84E-05
3094	437656.6	3724496	1.77E-04	3.50E-05	1.88E-04	1.94E-05
3095	437673.6	3724501	1.89E-04	3.74E-05	2.01E-04	2.07E-05
3096	437690.6	3724506	2.03E-04	4.02E-05	2.16E-04	2.22E-05
3097	437707.6	3724511	2.20E-04	4.34E-05	2.34E-04	2.41E-05
3098	437724.5	3724516	2.38E-04	4.69E-05	2.52E-04	2.60E-05
3099	437741.5	3724521	2.56E-04	5.06E-05	2.72E-04	2.80E-05
3100	437758.5	3724526	2.76E-04	5.44E-05	2.93E-04	3.01E-05
3101	437775.5	3724531	2.97E-04	5.87E-05	3.16E-04	3.25E-05
3102	437210.8	3724597	3.38E-04	6.67E-05	3.59E-04	3.69E-05
3103	437227.2	3724591	3.27E-04	6.46E-05	3.47E-04	3.58E-05
3104	437243.5	3724584	3.15E-04	6.23E-05	3.35E-04	3.45E-05
3105	437259.9	3724577	3.04E-04	6.00E-05	3.23E-04	3.32E-05
3106	437276.2	3724570	2.92E-04	5.76E-05	3.10E-04	3.19E-05
3107	437292.6	3724564	2.79E-04	5.52E-05	2.97E-04	3.06E-05
3108	437308.9	3724557	2.67E-04	5.28E-05	2.84E-04	2.92E-05
3109	437325.3	3724550	2.55E-04	5.04E-05	2.71E-04	2.79E-05
3110	437341.6	3724543	2.43E-04	4.80E-05	2.58E-04	2.66E-05
3111	437358	3724537	2.32E-04	4.58E-05	2.46E-04	2.54E-05
3112	437374.3	3724530	2.21E-04	4.37E-05	2.35E-04	2.42E-05

3113	437390.7	3724523	2.11E-04	4.17E-05	2.24E-04	2.31E-05
3114	437407	3724516	2.02E-04	3.98E-05	2.14E-04	2.21E-05
3115	437423.4	3724510	1.93E-04	3.81E-05	2.05E-04	2.11E-05
3116	437439.7	3724503	1.85E-04	3.66E-05	1.97E-04	2.02E-05
3117	437570.5	3724449	1.41E-04	2.78E-05	1.50E-04	1.54E-05
3118	437586.9	3724442	1.39E-04	2.75E-05	1.48E-04	1.52E-05
3119	437603.6	3724441	1.42E-04	2.80E-05	1.51E-04	1.55E-05
3120	437620.5	3724446	1.47E-04	2.91E-05	1.57E-04	1.61E-05
3121	437637.5	3724451	1.54E-04	3.04E-05	1.64E-04	1.68E-05
3122	437654.5	3724456	1.62E-04	3.19E-05	1.72E-04	1.77E-05
3123	437671.5	3724461	1.71E-04	3.38E-05	1.82E-04	1.87E-05
3124	437688.4	3724466	1.82E-04	3.60E-05	1.93E-04	1.99E-05
3125	437705.4	3724471	1.96E-04	3.87E-05	2.08E-04	2.14E-05
3126	437722.4	3724476	2.09E-04	4.13E-05	2.22E-04	2.29E-05
3127	437739.4	3724481	2.24E-04	4.42E-05	2.38E-04	2.45E-05
3128	437841.2	3724511	3.29E-04	6.50E-05	3.50E-04	3.60E-05
3129	437858.2	3724516	3.53E-04	6.97E-05	3.75E-04	3.86E-05
3130	437200.5	3724561	3.06E-04	6.04E-05	3.25E-04	3.34E-05
3131	437216.9	3724554	2.96E-04	5.84E-05	3.14E-04	3.24E-05
3132	437233.2	3724547	2.85E-04	5.63E-05	3.03E-04	3.12E-05
3133	437249.6	3724541	2.75E-04	5.42E-05	2.92E-04	3.00E-05
3134	437265.9	3724534	2.64E-04	5.21E-05	2.80E-04	2.88E-05
3135	437282.3	3724527	2.53E-04	4.99E-05	2.68E-04	2.76E-05
3136	437298.6	3724520	2.42E-04	4.77E-05	2.57E-04	2.64E-05
3137	437315	3724514	2.31E-04	4.56E-05	2.45E-04	2.53E-05
3138	437331.3	3724507	2.21E-04	4.36E-05	2.34E-04	2.41E-05
3139	437347.7	3724500	2.11E-04	4.16E-05	2.24E-04	2.30E-05
3140	437364	3724493	2.01E-04	3.97E-05	2.13E-04	2.20E-05
3141	437380.4	3724487	1.92E-04	3.79E-05	2.04E-04	2.10E-05
3142	437396.7	3724480	1.84E-04	3.63E-05	1.95E-04	2.01E-05
3143	437413.1	3724473	1.76E-04	3.48E-05	1.87E-04	1.93E-05
3144	437511.2	3724433	1.34E-04	2.65E-05	1.43E-04	1.47E-05
3145	437527.5	3724426	1.30E-04	2.57E-05	1.38E-04	1.42E-05
3146	437543.9	3724419	1.28E-04	2.53E-05	1.36E-04	1.40E-05
3147	437560.2	3724412	1.26E-04	2.50E-05	1.34E-04	1.38E-05
3148	437576.6	3724406	1.26E-04	2.49E-05	1.34E-04	1.38E-05
3149	437601.4	3724401	1.29E-04	2.55E-05	1.37E-04	1.41E-05
3150	437618.4	3724406	1.34E-04	2.65E-05	1.43E-04	1.47E-05
3151	437635.4	3724411	1.40E-04	2.76E-05	1.49E-04	1.53E-05
3152	437652.4	3724416	1.47E-04	2.90E-05	1.56E-04	1.60E-05
3153	437669.3	3724421	1.54E-04	3.05E-05	1.64E-04	1.69E-05
3154	437686.3	3724426	1.63E-04	3.23E-05	1.74E-04	1.79E-05
3155	437703.3	3724431	1.74E-04	3.43E-05	1.84E-04	1.90E-05
3156	437805.2	3724461	2.46E-04	4.86E-05	2.61E-04	2.69E-05
3157	437822.1	3724466	2.62E-04	5.18E-05	2.79E-04	2.87E-05
3158	437839.1	3724471	2.80E-04	5.54E-05	2.98E-04	3.07E-05
3159	437856.1	3724476	2.99E-04	5.91E-05	3.18E-04	3.28E-05
3160	437873.1	3724481	3.17E-04	6.26E-05	3.37E-04	3.47E-05
3161	437890	3724486	3.36E-04	6.63E-05	3.57E-04	3.67E-05
3162	438042.8	3724531	5.50E-04	1.09E-04	5.84E-04	6.01E-05
3163	438059.8	3724536	5.77E-04	1.14E-04	6.13E-04	6.31E-05
3164	437206.5	3724517	2.69E-04	5.31E-05	2.86E-04	2.94E-05

3165	437222.9	3724511	2.60E-04	5.13E-05	2.76E-04	2.84E-05
3166	437239.3	3724504	2.50E-04	4.93E-05	2.65E-04	2.73E-05
3167	437255.6	3724497	2.40E-04	4.74E-05	2.55E-04	2.62E-05
3168	437272	3724490	2.30E-04	4.54E-05	2.44E-04	2.51E-05
3169	437288.3	3724484	2.20E-04	4.35E-05	2.34E-04	2.41E-05
3170	437304.7	3724477	2.10E-04	4.16E-05	2.23E-04	2.30E-05
3171	437321	3724470	2.01E-04	3.97E-05	2.14E-04	2.20E-05
3172	437337.4	3724463	1.92E-04	3.80E-05	2.04E-04	2.10E-05
3173	437353.7	3724457	1.84E-04	3.63E-05	1.95E-04	2.01E-05
3174	437370.1	3724450	1.76E-04	3.47E-05	1.87E-04	1.92E-05
3175	437386.4	3724443	1.69E-04	3.33E-05	1.79E-04	1.84E-05
3176	437484.5	3724403	1.28E-04	2.53E-05	1.36E-04	1.40E-05
3177	437500.9	3724396	1.23E-04	2.43E-05	1.30E-04	1.34E-05
3178	437517.2	3724389	1.20E-04	2.36E-05	1.27E-04	1.31E-05
3179	437533.6	3724383	1.17E-04	2.31E-05	1.24E-04	1.28E-05
3180	437549.9	3724376	1.16E-04	2.29E-05	1.23E-04	1.27E-05
3181	437566.3	3724369	1.16E-04	2.29E-05	1.23E-04	1.27E-05
3182	437582.6	3724362	1.16E-04	2.30E-05	1.23E-04	1.27E-05
3183	437599.3	3724361	1.18E-04	2.34E-05	1.26E-04	1.30E-05
3184	437616.3	3724366	1.23E-04	2.43E-05	1.30E-04	1.34E-05
3185	437633.3	3724371	1.27E-04	2.52E-05	1.35E-04	1.39E-05
3186	437650.2	3724376	1.33E-04	2.63E-05	1.41E-04	1.46E-05
3187	437667.2	3724381	1.39E-04	2.74E-05	1.48E-04	1.52E-05
3188	437684.2	3724386	1.45E-04	2.87E-05	1.54E-04	1.59E-05
3189	437769.1	3724411	1.89E-04	3.73E-05	2.01E-04	2.07E-05
3190	437786	3724416	2.00E-04	3.96E-05	2.13E-04	2.19E-05
3191	437803	3724421	2.13E-04	4.20E-05	2.26E-04	2.33E-05
3192	437820	3724426	2.27E-04	4.48E-05	2.41E-04	2.48E-05
3193	437837	3724431	2.41E-04	4.77E-05	2.56E-04	2.64E-05
3194	437854	3724436	2.56E-04	5.06E-05	2.72E-04	2.80E-05
3195	437870.9	3724441	2.71E-04	5.36E-05	2.88E-04	2.97E-05
3196	437887.9	3724446	2.87E-04	5.66E-05	3.04E-04	3.13E-05
3197	437904.9	3724451	3.03E-04	5.99E-05	3.22E-04	3.32E-05
3198	437921.9	3724456	3.21E-04	6.35E-05	3.41E-04	3.51E-05
3199	437989.8	3724476	4.03E-04	7.96E-05	4.28E-04	4.41E-05
3200	438006.7	3724481	4.27E-04	8.44E-05	4.54E-04	4.67E-05
3201	438023.7	3724486	4.52E-04	8.93E-05	4.81E-04	4.95E-05
3202	438040.7	3724491	4.78E-04	9.43E-05	5.07E-04	5.23E-05
3203	438057.7	3724496	5.02E-04	9.91E-05	5.33E-04	5.49E-05
3204	438074.7	3724501	5.28E-04	1.04E-04	5.61E-04	5.77E-05
3205	438091.6	3724506	5.56E-04	1.10E-04	5.91E-04	6.08E-05
3206	437196.2	3724481	2.46E-04	4.86E-05	2.61E-04	2.69E-05
3207	437212.6	3724474	2.37E-04	4.68E-05	2.52E-04	2.59E-05
3208	437228.9	3724467	2.28E-04	4.51E-05	2.43E-04	2.50E-05
3209	437245.3	3724461	2.19E-04	4.33E-05	2.33E-04	2.40E-05
3210	437261.6	3724454	2.10E-04	4.16E-05	2.23E-04	2.30E-05
3211	437278	3724447	2.02E-04	3.98E-05	2.14E-04	2.21E-05
3212	437294.4	3724440	1.93E-04	3.81E-05	2.05E-04	2.11E-05
3213	437310.7	3724434	1.85E-04	3.65E-05	1.96E-04	2.02E-05
3214	437327.1	3724427	1.77E-04	3.49E-05	1.88E-04	1.93E-05
3215	437343.4	3724420	1.69E-04	3.34E-05	1.80E-04	1.85E-05
3216	437359.8	3724413	1.62E-04	3.20E-05	1.72E-04	1.77E-05

3217	437474.2	3724366	1.21E-04	2.38E-05	1.28E-04	1.32E-05
3218	437490.6	3724359	1.15E-04	2.27E-05	1.22E-04	1.26E-05
3219	437506.9	3724353	1.11E-04	2.19E-05	1.18E-04	1.21E-05
3220	437523.3	3724346	1.09E-04	2.15E-05	1.15E-04	1.19E-05
3221	437539.6	3724339	1.07E-04	2.12E-05	1.14E-04	1.18E-05
3222	437556	3724332	1.07E-04	2.12E-05	1.14E-04	1.17E-05
3223	437572.3	3724326	1.07E-04	2.12E-05	1.14E-04	1.17E-05
3224	437597.2	3724321	1.09E-04	2.16E-05	1.16E-04	1.20E-05
3225	437614.1	3724326	1.13E-04	2.23E-05	1.20E-04	1.23E-05
3226	437631.1	3724331	1.17E-04	2.31E-05	1.24E-04	1.28E-05
3227	437648.1	3724336	1.22E-04	2.41E-05	1.29E-04	1.33E-05
3228	437665.1	3724341	1.27E-04	2.50E-05	1.35E-04	1.39E-05
3229	437733	3724361	1.52E-04	2.99E-05	1.61E-04	1.66E-05
3230	437750	3724366	1.59E-04	3.15E-05	1.69E-04	1.74E-05
3231	437766.9	3724371	1.68E-04	3.31E-05	1.78E-04	1.83E-05
3232	437783.9	3724376	1.77E-04	3.49E-05	1.88E-04	1.93E-05
3233	437800.9	3724381	1.86E-04	3.68E-05	1.98E-04	2.04E-05
3234	437817.9	3724386	1.97E-04	3.88E-05	2.09E-04	2.15E-05
3235	437834.8	3724391	2.08E-04	4.11E-05	2.21E-04	2.27E-05
3236	437851.8	3724396	2.20E-04	4.35E-05	2.34E-04	2.41E-05
3237	437868.8	3724401	2.33E-04	4.61E-05	2.48E-04	2.55E-05
3238	437885.8	3724406	2.47E-04	4.88E-05	2.62E-04	2.70E-05
3239	437902.8	3724411	2.61E-04	5.16E-05	2.77E-04	2.86E-05
3240	437953.7	3724426	3.10E-04	6.13E-05	3.30E-04	3.39E-05
3241	437970.7	3724431	3.31E-04	6.53E-05	3.51E-04	3.62E-05
3242	437987.6	3724436	3.52E-04	6.95E-05	3.74E-04	3.85E-05
3243	438004.6	3724441	3.74E-04	7.38E-05	3.97E-04	4.09E-05
3244	438021.6	3724446	3.95E-04	7.81E-05	4.20E-04	4.33E-05
3245	438038.6	3724451	4.18E-04	8.26E-05	4.44E-04	4.57E-05
3246	438055.5	3724456	4.41E-04	8.70E-05	4.68E-04	4.82E-05
3247	438072.5	3724461	4.64E-04	9.16E-05	4.92E-04	5.07E-05
3248	438089.5	3724466	4.88E-04	9.63E-05	5.18E-04	5.33E-05
3249	438106.5	3724471	5.12E-04	1.01E-04	5.44E-04	5.60E-05
3250	437185.9	3724444	2.26E-04	4.46E-05	2.40E-04	2.47E-05
3251	437202.3	3724438	2.18E-04	4.30E-05	2.31E-04	2.38E-05
3252	437218.6	3724431	2.10E-04	4.14E-05	2.23E-04	2.29E-05
3253	437235	3724424	2.02E-04	3.98E-05	2.14E-04	2.21E-05
3254	437251.3	3724417	1.93E-04	3.82E-05	2.05E-04	2.12E-05
3255	437267.7	3724411	1.86E-04	3.67E-05	1.97E-04	2.03E-05
3256	437284	3724404	1.78E-04	3.51E-05	1.89E-04	1.94E-05
3257	437300.4	3724397	1.70E-04	3.36E-05	1.81E-04	1.86E-05
3258	437316.7	3724390	1.63E-04	3.22E-05	1.73E-04	1.79E-05
3259	437333.1	3724384	1.56E-04	3.09E-05	1.66E-04	1.71E-05
3260	437480.3	3724323	1.07E-04	2.10E-05	1.13E-04	1.17E-05
3261	437496.6	3724316	1.04E-04	2.05E-05	1.10E-04	1.13E-05
3262	437513	3724309	1.02E-04	2.01E-05	1.08E-04	1.11E-05
3263	437529.3	3724303	1.00E-04	1.98E-05	1.07E-04	1.10E-05
3264	437545.7	3724296	1.00E-04	1.97E-05	1.06E-04	1.09E-05
3265	437562	3724289	9.97E-05	1.97E-05	1.06E-04	1.09E-05
3266	437578.4	3724282	1.00E-04	1.97E-05	1.06E-04	1.09E-05
3267	437595	3724281	1.02E-04	2.01E-05	1.08E-04	1.11E-05
3268	437612	3724286	1.05E-04	2.07E-05	1.11E-04	1.15E-05

3269	437629	3724291	1.08E-04	2.14E-05	1.15E-04	1.18E-05
3270	437713.9	3724316	1.31E-04	2.58E-05	1.39E-04	1.43E-05
3271	437730.9	3724321	1.36E-04	2.69E-05	1.45E-04	1.49E-05
3272	437747.8	3724326	1.43E-04	2.82E-05	1.52E-04	1.56E-05
3273	437764.8	3724331	1.49E-04	2.95E-05	1.59E-04	1.63E-05
3274	437781.8	3724336	1.56E-04	3.09E-05	1.66E-04	1.71E-05
3275	437798.8	3724341	1.64E-04	3.25E-05	1.75E-04	1.80E-05
3276	437815.7	3724346	1.73E-04	3.41E-05	1.83E-04	1.89E-05
3277	437832.7	3724351	1.82E-04	3.59E-05	1.93E-04	1.99E-05
3278	437849.7	3724356	1.92E-04	3.79E-05	2.04E-04	2.10E-05
3279	437866.7	3724361	2.03E-04	4.01E-05	2.16E-04	2.22E-05
3280	437883.6	3724366	2.15E-04	4.25E-05	2.28E-04	2.35E-05
3281	437934.6	3724381	2.56E-04	5.06E-05	2.72E-04	2.80E-05
3282	437951.6	3724386	2.72E-04	5.37E-05	2.89E-04	2.97E-05
3283	437968.5	3724391	2.90E-04	5.72E-05	3.08E-04	3.17E-05
3284	437985.5	3724396	3.09E-04	6.10E-05	3.28E-04	3.38E-05
3285	438002.5	3724401	3.28E-04	6.48E-05	3.49E-04	3.59E-05
3286	438019.5	3724406	3.48E-04	6.88E-05	3.70E-04	3.81E-05
3287	438036.4	3724411	3.68E-04	7.27E-05	3.91E-04	4.03E-05
3288	438053.4	3724416	3.88E-04	7.67E-05	4.12E-04	4.25E-05
3289	438070.4	3724421	4.08E-04	8.07E-05	4.34E-04	4.47E-05
3290	438087.4	3724426	4.30E-04	8.48E-05	4.56E-04	4.70E-05
3291	438104.3	3724431	4.51E-04	8.91E-05	4.79E-04	4.94E-05
3292	438121.3	3724436	4.73E-04	9.35E-05	5.03E-04	5.18E-05
3293	437159.3	3724415	2.16E-04	4.27E-05	2.29E-04	2.36E-05
3294	437175.6	3724408	2.08E-04	4.12E-05	2.21E-04	2.28E-05
3295	437192	3724401	2.01E-04	3.97E-05	2.13E-04	2.20E-05
3296	437208.3	3724394	1.93E-04	3.82E-05	2.05E-04	2.12E-05
3297	437224.7	3724388	1.86E-04	3.67E-05	1.98E-04	2.04E-05
3298	437241	3724381	1.79E-04	3.53E-05	1.90E-04	1.95E-05
3299	437257.4	3724374	1.71E-04	3.39E-05	1.82E-04	1.88E-05
3300	437273.7	3724367	1.65E-04	3.25E-05	1.75E-04	1.80E-05
3301	437290.1	3724361	1.58E-04	3.12E-05	1.68E-04	1.73E-05
3302	437306.4	3724354	1.52E-04	2.99E-05	1.61E-04	1.66E-05
3303	437486.3	3724280	9.83E-05	1.94E-05	1.04E-04	1.07E-05
3304	437502.7	3724273	9.58E-05	1.89E-05	1.02E-04	1.05E-05
3305	437519	3724266	9.46E-05	1.87E-05	1.00E-04	1.03E-05
3306	437535.4	3724259	9.36E-05	1.85E-05	9.95E-05	1.02E-05
3307	437551.7	3724253	9.36E-05	1.85E-05	9.95E-05	1.02E-05
3308	437568.1	3724246	9.36E-05	1.85E-05	9.95E-05	1.02E-05
3309	437592.9	3724242	9.49E-05	1.87E-05	1.01E-04	1.04E-05
3310	437609.9	3724247	9.75E-05	1.93E-05	1.04E-04	1.07E-05
3311	437745.7	3724286	1.29E-04	2.55E-05	1.37E-04	1.41E-05
3312	437762.7	3724291	1.35E-04	2.66E-05	1.43E-04	1.47E-05
3313	437779.7	3724296	1.41E-04	2.78E-05	1.49E-04	1.54E-05
3314	437796.6	3724301	1.47E-04	2.90E-05	1.56E-04	1.61E-05
3315	437813.6	3724306	1.54E-04	3.04E-05	1.63E-04	1.68E-05
3316	437830.6	3724311	1.61E-04	3.18E-05	1.71E-04	1.76E-05
3317	437847.6	3724316	1.70E-04	3.36E-05	1.81E-04	1.86E-05
3318	437864.5	3724321	1.80E-04	3.55E-05	1.91E-04	1.97E-05
3319	437898.5	3724331	2.02E-04	3.98E-05	2.14E-04	2.21E-05
3320	437915.5	3724336	2.14E-04	4.23E-05	2.28E-04	2.34E-05

3321	437932.4	3724341	2.27E-04	4.49E-05	2.42E-04	2.49E-05
3322	437949.4	3724346	2.41E-04	4.77E-05	2.56E-04	2.64E-05
3323	437966.4	3724351	2.57E-04	5.07E-05	2.73E-04	2.81E-05
3324	437983.4	3724356	2.73E-04	5.39E-05	2.90E-04	2.99E-05
3325	438000.4	3724361	2.90E-04	5.72E-05	3.08E-04	3.17E-05
3326	438017.3	3724366	3.07E-04	6.07E-05	3.26E-04	3.36E-05
3327	438034.3	3724371	3.26E-04	6.43E-05	3.46E-04	3.56E-05
3328	438051.3	3724376	3.44E-04	6.79E-05	3.65E-04	3.76E-05
3329	438068.3	3724381	3.62E-04	7.16E-05	3.85E-04	3.96E-05
3330	438085.2	3724386	3.81E-04	7.52E-05	4.05E-04	4.17E-05
3331	438102.2	3724391	4.00E-04	7.89E-05	4.24E-04	4.37E-05
3332	438119.2	3724396	4.19E-04	8.28E-05	4.45E-04	4.59E-05
3333	438136.2	3724401	4.39E-04	8.68E-05	4.67E-04	4.80E-05
3334	438153.1	3724406	4.60E-04	9.09E-05	4.89E-04	5.03E-05
3335	437132.6	3724385	2.06E-04	4.08E-05	2.19E-04	2.26E-05
3336	437149	3724378	2.00E-04	3.95E-05	2.12E-04	2.19E-05
3337	437165.3	3724371	1.93E-04	3.81E-05	2.05E-04	2.11E-05
3338	437181.7	3724364	1.86E-04	3.67E-05	1.98E-04	2.04E-05
3339	437198	3724358	1.79E-04	3.54E-05	1.90E-04	1.96E-05
3340	437214.4	3724351	1.72E-04	3.41E-05	1.83E-04	1.89E-05
3341	437230.7	3724344	1.66E-04	3.27E-05	1.76E-04	1.81E-05
3342	437247.1	3724337	1.59E-04	3.15E-05	1.69E-04	1.74E-05
3343	437263.4	3724331	1.53E-04	3.02E-05	1.62E-04	1.67E-05
3344	437279.8	3724324	1.47E-04	2.90E-05	1.56E-04	1.61E-05
3345	437476	3724243	9.39E-05	1.85E-05	9.97E-05	1.03E-05
3346	437492.4	3724236	9.10E-05	1.80E-05	9.66E-05	9.95E-06
3347	437508.7	3724229	8.93E-05	1.76E-05	9.48E-05	9.76E-06
3348	437525.1	3724223	8.83E-05	1.74E-05	9.38E-05	9.66E-06
3349	437541.4	3724216	8.78E-05	1.73E-05	9.33E-05	9.60E-06
3350	437557.8	3724209	8.76E-05	1.73E-05	9.30E-05	9.58E-06
3351	437574.1	3724203	8.78E-05	1.73E-05	9.33E-05	9.60E-06
3352	437590.8	3724202	8.88E-05	1.75E-05	9.43E-05	9.71E-06
3353	437692.6	3724231	1.05E-04	2.08E-05	1.12E-04	1.15E-05
3354	437709.6	3724236	1.09E-04	2.15E-05	1.16E-04	1.19E-05
3355	437726.6	3724241	1.13E-04	2.23E-05	1.20E-04	1.23E-05
3356	437743.6	3724246	1.17E-04	2.32E-05	1.25E-04	1.28E-05
3357	437845.4	3724276	1.53E-04	3.02E-05	1.62E-04	1.67E-05
3358	437862.4	3724281	1.61E-04	3.18E-05	1.71E-04	1.76E-05
3359	437879.4	3724286	1.70E-04	3.37E-05	1.81E-04	1.87E-05
3360	437930.3	3724301	2.04E-04	4.03E-05	2.17E-04	2.23E-05
3361	437947.3	3724306	2.17E-04	4.28E-05	2.30E-04	2.37E-05
3362	437964.3	3724311	2.30E-04	4.55E-05	2.45E-04	2.52E-05
3363	437981.2	3724316	2.45E-04	4.83E-05	2.60E-04	2.68E-05
3364	437998.2	3724321	2.59E-04	5.12E-05	2.75E-04	2.83E-05
3365	438015.2	3724326	2.74E-04	5.41E-05	2.91E-04	3.00E-05
3366	438032.2	3724331	2.90E-04	5.73E-05	3.08E-04	3.17E-05
3367	438049.2	3724336	3.06E-04	6.05E-05	3.26E-04	3.35E-05
3368	438066.1	3724341	3.23E-04	6.39E-05	3.44E-04	3.54E-05
3369	438083.1	3724346	3.40E-04	6.72E-05	3.61E-04	3.72E-05
3370	438100.1	3724351	3.57E-04	7.05E-05	3.79E-04	3.91E-05
3371	438117.1	3724356	3.75E-04	7.41E-05	3.98E-04	4.10E-05
3372	438134	3724361	3.93E-04	7.76E-05	4.17E-04	4.30E-05

3373	438151	3724366	4.11E-04	8.12E-05	4.37E-04	4.50E-05
3374	438168	3724371	4.29E-04	8.47E-05	4.55E-04	4.69E-05
3375	437122.3	3724348	1.92E-04	3.79E-05	2.04E-04	2.10E-05
3376	437138.7	3724341	1.85E-04	3.66E-05	1.97E-04	2.03E-05
3377	437155	3724335	1.79E-04	3.54E-05	1.90E-04	1.96E-05
3378	437171.4	3724328	1.73E-04	3.41E-05	1.83E-04	1.89E-05
3379	437187.7	3724321	1.67E-04	3.29E-05	1.77E-04	1.82E-05
3380	437204.1	3724314	1.60E-04	3.17E-05	1.70E-04	1.75E-05
3381	437220.4	3724308	1.54E-04	3.05E-05	1.64E-04	1.69E-05
3382	437236.8	3724301	1.48E-04	2.93E-05	1.58E-04	1.62E-05
3383	437253.1	3724294	1.43E-04	2.82E-05	1.52E-04	1.56E-05
3384	437449.3	3724213	9.10E-05	1.80E-05	9.66E-05	9.95E-06
3385	437465.7	3724206	8.78E-05	1.73E-05	9.33E-05	9.60E-06
3386	437482	3724200	8.56E-05	1.69E-05	9.09E-05	9.37E-06
3387	437498.4	3724193	8.39E-05	1.66E-05	8.91E-05	9.18E-06
3388	437514.8	3724186	8.32E-05	1.64E-05	8.84E-05	9.10E-06
3389	437531.1	3724179	8.24E-05	1.63E-05	8.76E-05	9.02E-06
3390	437547.5	3724173	8.24E-05	1.63E-05	8.76E-05	9.02E-06
3391	437563.8	3724166	8.24E-05	1.63E-05	8.76E-05	9.02E-06
3392	437588.6	3724162	8.37E-05	1.65E-05	8.89E-05	9.15E-06
3393	437673.5	3724187	9.44E-05	1.86E-05	1.00E-04	1.03E-05
3394	437690.5	3724191	9.73E-05	1.92E-05	1.03E-04	1.06E-05
3395	437707.5	3724196	1.00E-04	1.98E-05	1.06E-04	1.10E-05
3396	437724.5	3724201	1.04E-04	2.05E-05	1.10E-04	1.13E-05
3397	437741.4	3724206	1.07E-04	2.12E-05	1.14E-04	1.18E-05
3398	437758.4	3724211	1.12E-04	2.20E-05	1.19E-04	1.22E-05
3399	437775.4	3724216	1.16E-04	2.29E-05	1.23E-04	1.27E-05
3400	437792.4	3724221	1.20E-04	2.38E-05	1.28E-04	1.32E-05
3401	437809.3	3724226	1.26E-04	2.48E-05	1.34E-04	1.38E-05
3402	437826.3	3724231	1.31E-04	2.59E-05	1.40E-04	1.44E-05
3403	437843.3	3724236	1.38E-04	2.73E-05	1.47E-04	1.51E-05
3404	437860.3	3724241	1.46E-04	2.88E-05	1.55E-04	1.60E-05
3405	437877.3	3724246	1.54E-04	3.05E-05	1.64E-04	1.69E-05
3406	437894.2	3724251	1.64E-04	3.23E-05	1.74E-04	1.79E-05
3407	437911.2	3724256	1.74E-04	3.43E-05	1.84E-04	1.90E-05
3408	437928.2	3724261	1.84E-04	3.64E-05	1.96E-04	2.02E-05
3409	437962.1	3724271	2.08E-04	4.11E-05	2.21E-04	2.27E-05
3410	437979.1	3724276	2.21E-04	4.36E-05	2.34E-04	2.41E-05
3411	437996.1	3724281	2.33E-04	4.61E-05	2.48E-04	2.55E-05
3412	438013.1	3724286	2.47E-04	4.87E-05	2.62E-04	2.70E-05
3413	438030	3724291	2.60E-04	5.14E-05	2.77E-04	2.85E-05
3414	438047	3724296	2.75E-04	5.44E-05	2.92E-04	3.01E-05
3415	438064	3724301	2.91E-04	5.75E-05	3.09E-04	3.18E-05
3416	438081	3724306	3.07E-04	6.06E-05	3.26E-04	3.36E-05
3417	438098	3724311	3.23E-04	6.38E-05	3.43E-04	3.54E-05
3418	438114.9	3724316	3.38E-04	6.68E-05	3.59E-04	3.70E-05
3419	438199.8	3724341	4.07E-04	8.04E-05	4.32E-04	4.45E-05
3420	436933.7	3724550	3.06E-04	6.04E-05	3.25E-04	3.35E-05
3421	436926.3	3724556	3.08E-04	6.08E-05	3.27E-04	3.37E-05
3422	436919	3724563	3.10E-04	6.12E-05	3.29E-04	3.39E-05
3423	436921.6	3724507	2.85E-04	5.63E-05	3.03E-04	3.12E-05
3424	436914.2	3724513	2.87E-04	5.68E-05	3.05E-04	3.14E-05

3425	436906.9	3724520	2.90E-04	5.72E-05	3.08E-04	3.17E-05
3426	436899.5	3724527	2.92E-04	5.76E-05	3.10E-04	3.19E-05
3427	436892.2	3724533	2.93E-04	5.79E-05	3.11E-04	3.21E-05
3428	436894.8	3724477	2.69E-04	5.32E-05	2.86E-04	2.95E-05
3429	436887.4	3724484	2.72E-04	5.37E-05	2.89E-04	2.97E-05
3430	436880.1	3724490	2.74E-04	5.40E-05	2.91E-04	2.99E-05
3431	436872.7	3724497	2.76E-04	5.45E-05	2.93E-04	3.02E-05
3432	436865.4	3724503	2.77E-04	5.48E-05	2.95E-04	3.03E-05

			T2			T2L3			T3			T4f		
			1029	437662.98										
					7.00E-07			1.29E-07			6.83E-07			6.82E-08
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	437487.6	3725277	4.07E-08	8.84E-09	4.95E-08	8.04E-09	1.11E-09	9.15E-09	4.32E-08	5.15E-09	4.84E-08	4.45E-09	3.76E-10	4.83E-09
2	437484.5	3725269	3.80E-08	8.25E-09	4.62E-08	7.50E-09	1.04E-09	8.54E-09	4.03E-08	4.81E-09	4.51E-08	4.15E-09	3.51E-10	4.51E-09
3	437503.2	3725300	5.52E-08	1.20E-08	6.72E-08	1.09E-08	1.51E-09	1.24E-08	5.86E-08	6.99E-09	6.56E-08	6.04E-09	5.10E-10	6.55E-09
4	437480.2	3725284	3.65E-08	7.94E-09	4.45E-08	7.22E-09	9.97E-10	8.21E-09	3.88E-08	4.63E-09	4.34E-08	4.00E-09	3.38E-10	4.33E-09
5	437474.3	3725267	3.23E-08	7.03E-09	3.94E-08	6.39E-09	8.82E-10	7.27E-09	3.43E-08	4.09E-09	3.84E-08	3.54E-09	2.99E-10	3.84E-09
6	437483.2	3725293	3.87E-08	8.40E-09	4.71E-08	7.64E-09	1.05E-09	8.69E-09	4.11E-08	4.90E-09	4.60E-08	4.23E-09	3.58E-10	4.59E-09
7	437495.8	3725307	4.81E-08	1.04E-08	5.85E-08	9.49E-09	1.31E-09	1.08E-08	5.11E-08	6.09E-09	5.71E-08	5.26E-09	4.45E-10	5.70E-09
8	437472.8	3725291	3.29E-08	7.15E-09	4.01E-08	6.50E-09	8.98E-10	7.40E-09	3.50E-08	4.17E-09	3.91E-08	3.60E-09	3.04E-10	3.91E-09
9	437467	3725275	2.96E-08	6.44E-09	3.61E-08	5.85E-09	8.08E-10	6.66E-09	3.15E-08	3.75E-09	3.52E-08	3.24E-09	2.74E-10	3.52E-09
10	437465.4	3725298	2.99E-08	6.50E-09	3.64E-08	5.91E-09	8.16E-10	6.73E-09	3.18E-08	3.79E-09	3.56E-08	3.27E-09	2.77E-10	3.55E-09
11	437459.7	3725282	2.72E-08	5.92E-09	3.32E-08	5.38E-09	7.43E-10	6.12E-09	2.89E-08	3.45E-09	3.24E-08	2.98E-09	2.52E-10	3.23E-09
12	437454	3725266	2.46E-08	5.34E-09	2.99E-08	4.86E-09	6.71E-10	5.53E-09	2.61E-08	3.11E-09	2.92E-08	2.69E-09	2.27E-10	2.92E-09
13	437474.6	3725313	3.43E-08	7.46E-09	4.18E-08	6.78E-09	9.36E-10	7.71E-09	3.64E-08	4.35E-09	4.08E-08	3.75E-09	3.17E-10	4.07E-09
14	437458	3725305	2.73E-08	5.92E-09	3.32E-08	5.38E-09	7.44E-10	6.13E-09	2.89E-08	3.45E-09	3.24E-08	2.98E-09	2.52E-10	3.23E-09
15	437452.4	3725289	2.50E-08	5.43E-09	3.04E-08	4.94E-09	6.82E-10	5.62E-09	2.66E-08	3.17E-09	2.97E-08	2.74E-09	2.31E-10	2.97E-09
16	437446.7	3725273	2.28E-08	4.95E-09	2.78E-08	4.50E-09	6.22E-10	5.13E-09	2.42E-08	2.89E-09	2.71E-08	2.49E-09	2.11E-10	2.71E-09
17	437441	3725257	2.07E-08	4.49E-09	2.52E-08	4.08E-09	5.64E-10	4.65E-09	2.20E-08	2.62E-09	2.46E-08	2.26E-09	1.91E-10	2.45E-09
18	437467.2	3725320	3.09E-08	6.71E-09	3.76E-08	6.10E-09	8.43E-10	6.95E-09	3.28E-08	3.91E-09	3.67E-08	3.38E-09	2.86E-10	3.67E-09
19	437473.5	3725327	3.37E-08	7.32E-09	4.10E-08	6.65E-09	9.19E-10	7.57E-09	3.58E-08	4.26E-09	4.00E-08	3.68E-09	3.12E-10	4.00E-09
20	437442.9	3725317	2.25E-08	4.88E-09	2.74E-08	4.44E-09	6.13E-10	5.05E-09	2.39E-08	2.85E-09	2.67E-08	2.46E-09	2.08E-10	2.67E-09
21	437439.9	3725309	2.16E-08	4.70E-09	2.63E-08	4.27E-09	5.90E-10	4.86E-09	2.30E-08	2.74E-09	2.57E-08	2.36E-09	2.00E-10	2.56E-09
22	437436.8	3725300	2.07E-08	4.50E-09	2.52E-08	4.09E-09	5.65E-10	4.65E-09	2.20E-08	2.62E-09	2.46E-08	2.26E-09	1.91E-10	2.46E-09
23	437433.7	3725292	1.99E-08	4.32E-09	2.42E-08	3.93E-09	5.43E-10	4.47E-09	2.11E-08	2.52E-09	2.37E-08	2.18E-09	1.84E-10	2.36E-09
24	437430.7	3725283	1.91E-08	4.15E-09	2.32E-08	3.77E-09	5.21E-10	4.29E-09	2.03E-08	2.42E-09	2.27E-08	2.09E-09	1.77E-10	2.27E-09
25	437427.6	3725274	1.83E-08	3.97E-09	2.23E-08	3.61E-09	4.99E-10	4.11E-09	1.94E-08	2.32E-09	2.17E-08	2.00E-09	1.69E-10	2.17E-09
26	437424.6	3725266	1.75E-08	3.80E-09	2.13E-08	3.45E-09	4.77E-10	3.93E-09	1.86E-08	2.21E-09	2.08E-08	1.91E-09	1.62E-10	2.07E-09
27	437446	3725326	2.33E-08	5.07E-09	2.84E-08	4.61E-09	6.37E-10	5.25E-09	2.48E-08	2.96E-09	2.78E-08	2.55E-09	2.16E-10	2.77E-09
28	437452.3	3725333	2.52E-08	5.48E-09	3.07E-08	4.98E-09	6.89E-10	5.67E-09	2.68E-08	3.20E-09	3.00E-08	2.76E-09	2.33E-10	2.99E-09
29	437458.6	3725340	2.73E-08	5.92E-09	3.32E-08	5.38E-09	7.44E-10	6.13E-09	2.90E-08	3.45E-09	3.24E-08	2.98E-09	2.52E-10	3.23E-09
30	437428.1	3725331	1.86E-08	4.04E-09	2.26E-08	3.67E-09	5.07E-10	4.18E-09	1.97E-08	2.35E-09	2.21E-08	2.03E-09	1.72E-10	2.20E-09
31	437422.2	3725314	1.74E-08	3.78E-09	2.12E-08	3.43E-09	4.74E-10	3.91E-09	1.85E-08	2.20E-09	2.07E-08	1.90E-09	1.61E-10	2.06E-09
32	437419.2	3725306	1.68E-08	3.65E-09	2.04E-08	3.32E-09	4.58E-10	3.77E-09	1.78E-08	2.13E-09	2.00E-08	1.84E-09	1.55E-10	1.99E-09
33	437431.1	3725339	1.92E-08	4.17E-09	2.34E-08	3.79E-09	5.24E-10	4.32E-09	2.04E-08	2.43E-09	2.28E-08	2.10E-09	1.78E-10	2.28E-09
34	437437.4	3725347	2.08E-08	4.52E-09	2.53E-08	4.11E-09	5.67E-10	4.67E-09	2.21E-08	2.63E-09	2.47E-08	2.27E-09	1.92E-10	2.47E-09
35	437443.7	3725354	2.24E-08	4.87E-09	2.73E-08	4.42E-09	6.11E-10	5.03E-09	2.38E-08	2.84E-09	2.66E-08	2.45E-09	2.07E-10	2.66E-09
36	437413.1	3725344	1.54E-08	3.34E-09	1.87E-08	3.03E-09	4.19E-10	3.45E-09	1.63E-08	1.94E-09	1.83E-08	1.68E-09	1.42E-10	1.82E-09
37	437409.9	3725335	1.50E-08	3.25E-09	1.82E-08	2.95E-09	4.08E-10	3.36E-09	1.59E-08	1.89E-09	1.78E-08	1.64E-09	1.38E-10	1.77E-09
38	437406.8	3725326	1.46E-08	3.16E-09	1.77E-08	2.87E-09	3.97E-10	3.27E-09	1.55E-08	1.84E-09	1.73E-08	1.59E-09	1.35E-10	1.73E-09
39	437416.2	3725353	1.58E-08	3.43E-09	1.92E-08	3.12E-09	4.30E-10	3.55E-09	1.68E-08	2.00E-09	1.88E-08	1.73E-09	1.46E-10	1.87E-09
40	437422.5	3725360	1.69E-08	3.68E-09	2.06E-08	3.34E-09	4.62E-10	3.80E-09	1.80E-08	2.14E-09	2.01E-08	1.85E-09	1.56E-10	2.01E-09
41	437359.4	3725228	9.11E-09	1.98E-09	1.11E-08	1.80E-09	2.49E-10	2.05E-09	9.68E-09	1.15E-09	1.08E-08	9.97E-10	8.43E-11	1.08E-09
42	437363.4	3725220	9.27E-09	2.01E-09	1.13E-08	1.83E-09	2.53E-10	2.08E-09	9.85E-09	1.17E-09	1.10E-08	1.01E-09	8.58E-11	1.10E-09
43	437410.7	3725121	9.59E-09	2.08E-09	1.17E-08	1.89E-09	2.62E-10	2.16E-09	1.02E-08	1.21E-09	1.14E-08	1.05E-09	8.87E-11	1.14E-09
44	437339.4	3725227	7.70E-09	1.67E-09	9.38E-09	1.52E-09	2.10E-10	1.73E-09	8.18E-09	9.76E-10	9.16E-09	8.43E-10	7.13E-11	9.14E-10
45	437347.1	3725211	7.98E-09	1.73E-09	9.72E-09	1.58E-09	2.18E-10	1.79E-09	8.48E-09	1.01E-09	9.49E-09	8.73E-10	7.38E-11	9.47E-10
46	437354.9	3725195	8.16E-09	1.77E-09	9.93E-09	1.61E-09	2.23E-10	1.83E-09	8.67E-09	1.03E-09	9.70E-09	8.93E-10	7.55E-11	9.68E-10
47	437397.4	3725106	8.29E-09	1.80E-09	1.01E-08	1.64E-09	2.26E-10	1.86E-09	8.81E-09	1.05E-09	9.86E-09	9.07E-10	7.67E-11	9.84E-10
48	437340.4	3725305	7.80E-09	1.69E-09	9.50E-09	1.54E-09	2.13E-10	1.75E-09	8.29E-09	9.88E-10	9.27E-09	8.53E-10	7.21E-11	9.25E-10
49	437337.3	3725296	7.67E-09	1.67E-09	9.34E-09	1.51E-09	2.09E-10	1.72E-09	8.15E-09	9.71E-10	9.12E-09	8.39E-10	7.09E-11	9.10E-10
50	437334.2	3725287	7.50E-09	1.63E-09	9.13E-09	1.48E-09	2.05E-10	1.69E-09	7.97E-09	9.50E-10	8.92E-09	8.21E-10	6.94E-11	8.90E-10
51	437331.1	3725278	7.34E-09	1.60E-09	8.94E-09	1.45E-09	2.00E-10	1.65E-09	7.80E-09	9.30E-10	8.73E-09	8.03E-10	6.79E-11	8.71E-10
52	437319.6	3725226	6.57E-09	1.43E-09	8.00E-09	1.30E-09	1.79E-10	1.48E-09	6.98E-09	8.32E-10	7.81E-09	7.19E-10	6.08E-11	7.80E-10
53	437323.6	3725218	6.69E-09	1.45E-09	8.15E-09	1.32E-09	1.83E-10	1.50E-09	7.11E-09	8.47E-10	7.96E-09	7.32E-10	6.19E-11	7.94E-10
54	437327.6	3725209	6.81E-09	1.48E-09	8.29E-09	1.34E-09	1.86E-10	1.53E-09	7.23E-09	8.62E-10	8.10E-09	7.45E-10	6.30E-11	8.08E-10
55	437331.6	3725201	6.90E-09	1.50E-09	8.40E-09	1.36E-09	1.88E-10	1.55E-09	7.33E-09	8.74E-10	8.21E-09	7.55E-10	6.39E-11	8.19E-10
56	437335.7	3725192	6.98E-09	1.52E-09	8.50E-09	1.38E-09	1.90E-10	1.57E-09	7.41E-09	8.84E-10	8.30E-09	7.64E-10	6.46E-11	8.28E-10
57	437339.7	3725184	7.04E-09	1.53E-09	8.57E-09	1.39E-09	1.92E-10	1.58E-09	7.48E-09	8.92E-10	8.37E-09	7.70E-10	6.51E-11	8.36E-10
58	437338.3	3725354	7.41E-09	1.61E-09	9.02E-09	1.46E-09	2.02E-10	1.67E-09	7.87E-09	9.38E-10	8.81E-09	8.11E-10	6.85E-11	8.79E-10
59	437335.3	3725346	7.27E-09	1.58E-09	8.86E-09	1.44E-09	1.98E-10	1.64E-09	7.73E-09	9.21E-10	8.65E-09	7.96E-10	6.73E-11	8.63E-10
60	437332.2	3725337	7.13E-09	1.55E-09	8.68E-09	1.41E-09	1.95E-10	1.60E-09	7.58E-09	9.03E-10	8.48E-09	7.80E-10	6.60E-11	8.46E-10
61	437329.2	3725328	6.99E-09	1.52E-09	8.50E-09	1.38E-09	1.91E-10	1.57E-09	7.42E-09	8.85E-10	8.30E-09	7.64E-10	6.46E-11	8.29E-10
62	437326.1	3725320	6.87E-09	1.49E-09	8.36E-09	1.36E-09	1.87E-10	1.54E-09	7.30E-09	8.70E-10	8.17E-09	7.52E-10	6.35E-11	8.15E-10
63	437323.1	3725311	6.77E-09	1.47E-09	8.24E-09	1.34E-09	1.85E-10	1.52E-09	7.19E-09	8.57E-10	8.05E-09	7.41E-10	6.26E-11	8.03E-10
64	437320	3725303	6.68E-09	1.45E-09	8.13E-09	1.32E-09	1.82E-10	1.50E-09	7.09E-09	8.45E-10	7.94E-09	7.30E-10	6.17E-11	7.92E-10
65	437317	3725294	6.57E-09	1.43E-09	8.00E-09	1.30E-09	1.79E-10	1.48E-09	6.98E-09	8.32E-10	7.81E-09	7.19E-10	6.08E-11	7.79E-10
66	437313.9	3725285	6.45E-09	1.40E-09	7.85E-09	1.27E-09	1.76E-10	1.45E-09	6.85E-09	8.16E-10	7.66E-09	7.05E-10	5.96E-11	7.65E-10
67	437310.9	3725277	6.33E-09	1.38E-09	7.71E-09	1.25E-09	1.73E-10	1.42E-09	6.73E-09	8.02E-10	7.53E-09	6.93E-10	5.86E-11	7.51E-10
68	437299.5	3725225	5.72E-09	1.24E-09	6.96E-09	1.13E-09	1.56E-10	1.29E-09	6.07E-09	7.24E-10	6.80E-09	6.26E-10	5.29E-11	6.79E-10
69	437303.5	3725217	5.82E-09	1.26E-09	7.08E-09	1.15E-09	1.59E-10	1.31E-09	6.18E-09	7.37E-10	6.92E-09	6.36E-10	5.38E-11	6.90E-10
70	437307.4	3725208	5.91E-09	1.28E-09	7.19E-09	1.17E-09	1.61E-10	1.33E-09	6.28E-09	7.48E-10	7.03E-09	6.47E-10	5.47E-11	7.01E-10
71	437311.4	3725200	5.98E-09	1.30E-09	7.28E-09	1.18E-09	1.63E-10	1.34E-09	6.35E-09	7.57E-10	7.11E-09	6.54E-10	5.53E-11	7.09E-10
72	437315.3	3725192	6.04E-09	1.31E-09	7.35E-09	1.19E-09	1.65E-10	1.36E-09	6.42E-09	7.65E-10	7.18E-09	6.61E-10	5.59E-11	7.17E-10

73	437319.3	3725184	6.10E-09	1.33E-09	7.43E-09	1.21E-09	1.67E-10	1.37E-09	6.48E-09	7.73E-10	7.26E-09	6.68E-10	5.64E-11	7.24E-10
74	437346.9	3725126	6.70E-09	1.46E-09	8.15E-09	1.32E-09	1.83E-10	1.51E-09	7.11E-09	8.48E-10	7.96E-09	7.33E-10	6.19E-11	7.95E-10
75	437350.8	3725117	6.70E-09	1.45E-09	8.15E-09	1.32E-09	1.83E-10	1.51E-09	7.11E-09	8.48E-10	7.96E-09	7.32E-10	6.19E-11	7.94E-10
76	437354.8	3725109	6.68E-09	1.45E-09	8.13E-09	1.32E-09	1.82E-10	1.50E-09	7.09E-09	8.45E-10	7.94E-09	7.30E-10	6.17E-11	7.92E-10
77	437358.7	3725101	6.64E-09	1.44E-09	8.08E-09	1.31E-09	1.81E-10	1.49E-09	7.05E-09	8.40E-10	7.89E-09	7.26E-10	6.14E-11	7.87E-10
78	437320.7	3725360	6.55E-09	1.42E-09	7.97E-09	1.29E-09	1.79E-10	1.47E-09	6.95E-09	8.29E-10	7.78E-09	7.16E-10	6.05E-11	7.77E-10
79	437317.7	3725352	6.41E-09	1.39E-09	7.80E-09	1.27E-09	1.75E-10	1.44E-09	6.81E-09	8.12E-10	7.62E-09	7.01E-10	5.93E-11	7.60E-10
80	437314.7	3725343	6.30E-09	1.37E-09	7.67E-09	1.25E-09	1.72E-10	1.42E-09	6.70E-09	7.98E-10	7.50E-09	6.90E-10	5.83E-11	7.48E-10
81	437311.7	3725334	6.18E-09	1.34E-09	7.52E-09	1.22E-09	1.69E-10	1.39E-09	6.57E-09	7.83E-10	7.35E-09	6.76E-10	5.72E-11	7.33E-10
82	437308.7	3725326	6.04E-09	1.31E-09	7.36E-09	1.19E-09	1.65E-10	1.36E-09	6.42E-09	7.65E-10	7.18E-09	6.61E-10	5.59E-11	7.17E-10
83	437305.7	3725317	5.96E-09	1.29E-09	7.25E-09	1.18E-09	1.63E-10	1.34E-09	6.33E-09	7.55E-10	7.08E-09	6.52E-10	5.51E-11	7.07E-10
84	437302.7	3725309	5.87E-09	1.28E-09	7.14E-09	1.16E-09	1.60E-10	1.32E-09	6.23E-09	7.43E-10	6.98E-09	6.42E-10	5.43E-11	6.96E-10
85	437299.7	3725300	5.77E-09	1.25E-09	7.02E-09	1.14E-09	1.57E-10	1.30E-09	6.13E-09	7.31E-10	6.86E-09	6.31E-10	5.34E-11	6.85E-10
86	437296.7	3725292	5.68E-09	1.23E-09	6.91E-09	1.12E-09	1.55E-10	1.28E-09	6.03E-09	7.19E-10	6.75E-09	6.21E-10	5.25E-11	6.73E-10
87	437293.7	3725283	5.60E-09	1.22E-09	6.81E-09	1.11E-09	1.53E-10	1.26E-09	5.94E-09	7.08E-10	6.65E-09	6.12E-10	5.17E-11	6.64E-10
88	437290.7	3725275	5.52E-09	1.20E-09	6.72E-09	1.09E-09	1.51E-10	1.24E-09	5.86E-09	6.99E-10	6.56E-09	6.04E-10	5.11E-11	6.55E-10
89	437279.5	3725224	5.04E-09	1.09E-09	6.13E-09	9.95E-10	1.37E-10	1.13E-09	5.35E-09	6.38E-10	5.99E-09	5.51E-10	4.66E-11	5.98E-10
90	437287.3	3725208	5.20E-09	1.13E-09	6.33E-09	1.03E-09	1.42E-10	1.17E-09	5.53E-09	6.59E-10	6.19E-09	5.69E-10	4.81E-11	6.17E-10
91	437295	3725192	5.30E-09	1.15E-09	6.46E-09	1.05E-09	1.45E-10	1.19E-09	5.63E-09	6.72E-10	6.30E-09	5.80E-10	4.90E-11	6.29E-10
92	437298.9	3725183	5.35E-09	1.16E-09	6.51E-09	1.06E-09	1.46E-10	1.20E-09	5.68E-09	6.78E-10	6.36E-09	5.85E-10	4.95E-11	6.35E-10
93	437326.1	3725126	5.85E-09	1.27E-09	7.12E-09	1.16E-09	1.60E-10	1.32E-09	6.21E-09	7.41E-10	6.96E-09	6.40E-10	5.41E-11	6.94E-10
94	437333.9	3725110	5.97E-09	1.30E-09	7.27E-09	1.18E-09	1.63E-10	1.34E-09	6.34E-09	7.56E-10	7.10E-09	6.53E-10	5.52E-11	7.08E-10
95	437337.8	3725102	5.96E-09	1.30E-09	7.26E-09	1.18E-09	1.63E-10	1.34E-09	6.33E-09	7.55E-10	7.09E-09	6.52E-10	5.51E-11	7.07E-10
96	437345.6	3725086	5.89E-09	1.28E-09	7.18E-09	1.16E-09	1.61E-10	1.33E-09	6.26E-09	7.46E-10	7.01E-09	6.45E-10	5.45E-11	6.99E-10
97	437349.4	3725077	5.84E-09	1.27E-09	7.10E-09	1.15E-09	1.59E-10	1.31E-09	6.20E-09	7.39E-10	6.94E-09	6.38E-10	5.40E-11	6.92E-10
98	437299	3725354	5.85E-09	1.27E-09	7.12E-09	1.15E-09	1.60E-10	1.31E-09	6.21E-09	7.40E-10	6.95E-09	6.40E-10	5.41E-11	6.94E-10
99	437295.9	3725345	5.70E-09	1.24E-09	6.94E-09	1.13E-09	1.56E-10	1.28E-09	6.06E-09	7.22E-10	6.78E-09	6.24E-10	5.27E-11	6.76E-10
100	437292.8	3725337	5.54E-09	1.20E-09	6.75E-09	1.09E-09	1.51E-10	1.25E-09	5.89E-09	7.02E-10	6.59E-09	6.06E-10	5.13E-11	6.58E-10
101	437289.7	3725328	5.37E-09	1.17E-09	6.54E-09	1.06E-09	1.47E-10	1.21E-09	5.71E-09	6.80E-10	6.39E-09	5.88E-10	4.97E-11	6.38E-10
102	437286.6	3725319	5.29E-09	1.15E-09	6.45E-09	1.05E-09	1.44E-10	1.19E-09	5.62E-09	6.70E-10	6.29E-09	5.79E-10	4.90E-11	6.28E-10
103	437283.5	3725310	5.23E-09	1.14E-09	6.36E-09	1.03E-09	1.43E-10	1.17E-09	5.55E-09	6.62E-10	6.21E-09	5.72E-10	4.83E-11	6.20E-10
104	437280.4	3725301	5.15E-09	1.12E-09	6.26E-09	1.02E-09	1.40E-10	1.16E-09	5.47E-09	6.52E-10	6.12E-09	5.63E-10	4.76E-11	6.11E-10
105	437277.3	3725293	5.07E-09	1.10E-09	6.17E-09	1.00E-09	1.38E-10	1.14E-09	5.38E-09	6.42E-10	6.03E-09	5.54E-10	4.69E-11	6.01E-10
106	437274.2	3725284	4.99E-09	1.08E-09	6.08E-09	9.86E-10	1.36E-10	1.12E-09	5.30E-09	6.32E-10	5.94E-09	5.46E-10	4.62E-11	5.92E-10
107	437271.1	3725275	4.90E-09	1.07E-09	5.97E-09	9.69E-10	1.34E-10	1.10E-09	5.21E-09	6.21E-10	5.83E-09	5.36E-10	4.54E-11	5.82E-10
108	437259.6	3725223	4.49E-09	9.75E-10	5.46E-09	8.87E-10	1.22E-10	1.01E-09	4.77E-09	5.68E-10	5.34E-09	4.91E-10	4.15E-11	5.33E-10
109	437263.6	3725214	4.57E-09	9.93E-10	5.56E-09	9.03E-10	1.25E-10	1.03E-09	4.85E-09	5.79E-10	5.43E-09	5.00E-10	4.23E-11	5.42E-10
110	437267.6	3725206	4.65E-09	1.01E-09	5.66E-09	9.18E-10	1.27E-10	1.04E-09	4.94E-09	5.89E-10	5.53E-09	5.08E-10	4.30E-11	5.51E-10
111	437271.7	3725198	4.67E-09	1.02E-09	5.69E-09	9.23E-10	1.28E-10	1.05E-09	4.97E-09	5.92E-10	5.56E-09	5.11E-10	4.32E-11	5.55E-10
112	437275.7	3725189	4.71E-09	1.02E-09	5.73E-09	9.29E-10	1.28E-10	1.06E-09	5.00E-09	5.96E-10	5.59E-09	5.15E-10	4.35E-11	5.58E-10
113	437279.7	3725181	4.74E-09	1.03E-09	5.77E-09	9.36E-10	1.29E-10	1.07E-09	5.04E-09	6.00E-10	5.64E-09	5.19E-10	4.38E-11	5.62E-10
114	437307.7	3725122	5.18E-09	1.13E-09	6.31E-09	1.02E-09	1.41E-10	1.16E-09	5.50E-09	6.56E-10	6.16E-09	5.67E-10	4.79E-11	6.15E-10
115	437311.7	3725114	5.25E-09	1.14E-09	6.39E-09	1.04E-09	1.43E-10	1.18E-09	5.57E-09	6.64E-10	6.24E-09	5.74E-10	4.85E-11	6.23E-10
116	437315.7	3725105	5.29E-09	1.15E-09	6.44E-09	1.05E-09	1.44E-10	1.19E-09	5.62E-09	6.70E-10	6.29E-09	5.79E-10	4.89E-11	6.28E-10
117	437319.7	3725097	5.33E-09	1.16E-09	6.49E-09	1.05E-09	1.45E-10	1.20E-09	5.66E-09	6.75E-10	6.34E-09	5.83E-10	4.93E-11	6.32E-10
118	437323.7	3725088	5.34E-09	1.16E-09	6.50E-09	1.05E-09	1.46E-10	1.20E-09	5.67E-09	6.76E-10	6.34E-09	5.84E-10	4.94E-11	6.33E-10
119	437327.7	3725080	5.31E-09	1.15E-09	6.47E-09	1.05E-09	1.45E-10	1.19E-09	5.64E-09	6.73E-10	6.32E-09	5.81E-10	4.91E-11	6.30E-10
120	437331.7	3725072	5.28E-09	1.15E-09	6.42E-09	1.04E-09	1.44E-10	1.19E-09	5.60E-09	6.68E-10	6.27E-09	5.77E-10	4.88E-11	6.26E-10
121	437335.7	3725063	5.22E-09	1.13E-09	6.36E-09	1.03E-09	1.43E-10	1.17E-09	5.55E-09	6.61E-10	6.21E-09	5.71E-10	4.83E-11	6.20E-10
122	437339.7	3725055	5.15E-09	1.12E-09	6.27E-09	1.02E-09	1.41E-10	1.16E-09	5.48E-09	6.53E-10	6.13E-09	5.64E-10	4.77E-11	6.12E-10
123	437343.7	3725046	5.07E-09	1.10E-09	6.17E-09	1.00E-09	1.38E-10	1.14E-09	5.39E-09	6.42E-10	6.03E-09	5.55E-10	4.69E-11	6.02E-10
124	437309	3725438	6.41E-09	1.39E-09	7.80E-09	1.27E-09	1.75E-10	1.44E-09	6.81E-09	8.11E-10	7.62E-09	7.01E-10	5.93E-11	7.60E-10
125	437305.9	3725429	6.30E-09	1.37E-09	7.67E-09	1.24E-09	1.72E-10	1.42E-09	6.69E-09	7.98E-10	7.49E-09	6.89E-10	5.83E-11	7.47E-10
126	437302.9	3725420	6.19E-09	1.34E-09	7.53E-09	1.22E-09	1.69E-10	1.39E-09	6.57E-09	7.84E-10	7.36E-09	6.77E-10	5.72E-11	7.34E-10
127	437299.8	3725412	6.07E-09	1.32E-09	7.39E-09	1.20E-09	1.66E-10	1.36E-09	6.45E-09	7.68E-10	7.21E-09	6.64E-10	5.61E-11	7.20E-10
128	437296.7	3725403	5.95E-09	1.29E-09	7.24E-09	1.17E-09	1.62E-10	1.34E-09	6.32E-09	7.53E-10	7.07E-09	6.51E-10	5.50E-11	7.06E-10
129	437278.4	3725351	5.28E-09	1.15E-09	6.43E-09	1.04E-09	1.44E-10	1.19E-09	5.61E-09	6.69E-10	6.28E-09	5.78E-10	4.89E-11	6.27E-10
130	437275.4	3725343	5.15E-09	1.12E-09	6.27E-09	1.02E-09	1.41E-10	1.16E-09	5.47E-09	6.52E-10	6.13E-09	5.64E-10	4.77E-11	6.11E-10
131	437272.3	3725334	5.04E-09	1.09E-09	6.13E-09	9.95E-10	1.37E-10	1.13E-09	5.35E-09	6.38E-10	5.99E-09	5.51E-10	4.66E-11	5.97E-10
132	437269.3	3725325	4.93E-09	1.07E-09	6.00E-09	9.74E-10	1.35E-10	1.11E-09	5.24E-09	6.25E-10	5.86E-09	5.40E-10	4.56E-11	5.85E-10
133	437266.2	3725317	4.86E-09	1.06E-09	5.91E-09	9.59E-10	1.33E-10	1.09E-09	5.16E-09	6.15E-10	5.77E-09	5.31E-10	4.49E-11	5.76E-10
134	437263.2	3725308	4.77E-09	1.04E-09	5.81E-09	9.42E-10	1.30E-10	1.07E-09	5.07E-09	6.04E-10	5.67E-09	5.22E-10	4.41E-11	5.66E-10
135	437250.9	3725273	4.40E-09	9.55E-10	5.35E-09	8.68E-10	1.20E-10	9.88E-10	4.67E-09	5.57E-10	5.23E-09	4.81E-10	4.07E-11	5.22E-10
136	437239.6	3725222	4.01E-09	8.70E-10	4.88E-09	7.91E-10	1.09E-10	9.01E-10	4.26E-09	5.07E-10	4.76E-09	4.38E-10	3.71E-11	4.75E-10
137	437243.6	3725214	4.08E-09	8.85E-10	4.96E-09	8.05E-10	1.11E-10	9.16E-10	4.33E-09	5.16E-10	4.85E-09	4.46E-10	3.77E-11	4.84E-10
138	437247.5	3725205	4.14E-09	9.00E-10	5.04E-09	8.18E-10	1.13E-10	9.31E-10	4.40E-09	5.25E-10	4.93E-09	4.53E-10	3.83E-11	4.92E-10
139	437251.5	3725197	4.18E-09	9.08E-10	5.08E-09	8.25E-10	1.14E-10	9.39E-10	4.44E-09	5.29E-10	4.97E-09	4.57E-10	3.86E-11	4.96E-10
140	437255.4	3725189	4.20E-09	9.13E-10	5.12E-09	8.30E-10	1.15E-10	9.45E-10	4.46E-09	5.32E-10	5.00E-09	4.60E-10	3.89E-11	4.99E-10
141	437259.3	3725181	4.22E-09	9.17E-10	5.14E-09	8.33E-10	1.15E-10	9.49E-10	4.48E-09	5.34E-10	5.02E-09	4.62E-10	3.90E-11	5.01E-10
142	437263.3	3725172	4.25E-09	9.24E-10	5.18E-09	8.40E-10	1.16E-10	9.56E-10	4.52E-09	5.39E-10	5.06E-09	4.65E-10	3.93E-11	5.05E-10
143	437294.8	3725106	4.68E-09	1.02E-09	5.70E-09	9.24E-10	1.28E-10	1.05E-09	4.97E-09	5.93E-10	5.56E-09	5.12E-10	4.33E-11	5.55E-10
144	437298.8	3725098	4.72E-09	1.02E-09	5.74E-09	9.31E-10	1.29E-10	1.06E-09	5.01E-09	5.97E-10	5.61E-09	5.16E-10	4.36E-11	5.59E-10
145	437302.7	3725089	4.74E-09	1.03E-09	5.77E-09	9.37E-10	1.29E-10	1.07E-09	5.04E-09	6.01E-10	5.64E-09	5.19E-10	4.39E-11	5.63E-10
146	437306.7	3725081	4.78E-09	1.04E-09	5.81E-09	9.43E-10	1.30E-10	1.07E-09	5.07E-09	6.05E-10	5.68E-09	5.22E-10	4.42E-11	5.67E-10
147	437310.6	3725073	4.81E-09	1.04E-09	5.85E-09	9.49E-10	1.31E-10	1.08E-09	5.11E-09	6.09E-10	5.71E-09	5.26E-10	4.45E-11	5.70E-10
148	437314.6	3725065	4.78E-09	1.04E-09	5.82E-09	9.44E-10	1.30E-10	1.07E-09	5.08E-09	6.05E-10	5.68E-09	5.23E-10	4.42E-11	5.67E-10

149	437318.5	3725056	4.74E-09	1.03E-09	5.77E-09	9.37E-10	1.29E-10	1.07E-09	5.04E-09	6.01E-10	5.64E-09	5.19E-10	4.39E-11	5.63E-10
150	437322.5	3725048	4.69E-09	1.02E-09	5.71E-09	9.27E-10	1.28E-10	1.06E-09	4.99E-09	5.94E-10	5.58E-09	5.13E-10	4.34E-11	5.57E-10
151	437326.4	3725040	4.63E-09	1.01E-09	5.64E-09	9.15E-10	1.26E-10	1.04E-09	4.92E-09	5.87E-10	5.51E-09	5.07E-10	4.29E-11	5.50E-10
152	437330.4	3725031	4.56E-09	9.91E-10	5.55E-09	9.01E-10	1.24E-10	1.03E-09	4.85E-09	5.78E-10	5.42E-09	4.99E-10	4.22E-11	5.41E-10
153	437312	3725446	6.51E-09	1.42E-09	7.93E-09	1.29E-09	1.78E-10	1.46E-09	6.92E-09	8.25E-10	7.74E-09	7.13E-10	6.02E-11	7.73E-10
154	437318.3	3725453	6.73E-09	1.46E-09	8.19E-09	1.33E-09	1.84E-10	1.51E-09	7.14E-09	8.52E-10	8.00E-09	7.36E-10	6.22E-11	7.98E-10
155	437286.6	3725458	5.61E-09	1.22E-09	6.82E-09	1.11E-09	1.53E-10	1.26E-09	5.95E-09	7.10E-10	6.66E-09	6.13E-10	5.18E-11	6.65E-10
156	437283.5	3725449	5.52E-09	1.20E-09	6.72E-09	1.09E-09	1.51E-10	1.24E-09	5.87E-09	6.99E-10	6.57E-09	6.04E-10	5.11E-11	6.55E-10
157	437280.4	3725440	5.44E-09	1.18E-09	6.62E-09	1.07E-09	1.48E-10	1.22E-09	5.78E-09	6.89E-10	6.47E-09	5.95E-10	5.03E-11	6.46E-10
158	437277.2	3725431	5.37E-09	1.17E-09	6.53E-09	1.06E-09	1.46E-10	1.21E-09	5.70E-09	6.79E-10	6.38E-09	5.87E-10	4.96E-11	6.37E-10
159	437274.1	3725422	5.29E-09	1.15E-09	6.44E-09	1.05E-09	1.44E-10	1.19E-09	5.62E-09	6.70E-10	6.29E-09	5.79E-10	4.89E-11	6.28E-10
160	437271	3725414	5.22E-09	1.13E-09	6.35E-09	1.03E-09	1.42E-10	1.17E-09	5.54E-09	6.61E-10	6.20E-09	5.71E-10	4.82E-11	6.19E-10
161	437267.9	3725405	5.13E-09	1.12E-09	6.25E-09	1.01E-09	1.40E-10	1.15E-09	5.45E-09	6.50E-10	6.10E-09	5.62E-10	4.75E-11	6.09E-10
162	437227.5	3725290	4.06E-09	8.83E-10	4.94E-09	8.02E-10	1.11E-10	9.13E-10	4.32E-09	5.14E-10	4.83E-09	4.44E-10	3.76E-11	4.82E-10
163	437224.4	3725281	3.96E-09	8.61E-10	4.82E-09	7.83E-10	1.08E-10	8.91E-10	4.21E-09	5.02E-10	4.71E-09	4.34E-10	3.67E-11	4.70E-10
164	437221.3	3725273	3.87E-09	8.42E-10	4.72E-09	7.65E-10	1.06E-10	8.71E-10	4.11E-09	4.91E-10	4.61E-09	4.24E-10	3.58E-11	4.60E-10
165	437218.2	3725264	3.79E-09	8.24E-10	4.62E-09	7.49E-10	1.04E-10	8.53E-10	4.03E-09	4.80E-10	4.51E-09	4.15E-10	3.51E-11	4.50E-10
166	437209.7	3725220	3.51E-09	7.63E-10	4.28E-09	6.94E-10	9.59E-11	7.90E-10	3.73E-09	4.45E-10	4.18E-09	3.84E-10	3.25E-11	4.17E-10
167	437213.7	3725212	3.54E-09	7.68E-10	4.30E-09	6.98E-10	9.65E-11	7.95E-10	3.76E-09	4.48E-10	4.20E-09	3.87E-10	3.27E-11	4.20E-10
168	437217.8	3725203	3.57E-09	7.75E-10	4.34E-09	7.05E-10	9.73E-11	8.02E-10	3.79E-09	4.52E-10	4.24E-09	3.90E-10	3.30E-11	4.23E-10
169	437221.8	3725195	3.60E-09	7.83E-10	4.39E-09	7.12E-10	9.83E-11	8.10E-10	3.83E-09	4.56E-10	4.28E-09	3.94E-10	3.33E-11	4.28E-10
170	437225.8	3725186	3.64E-09	7.90E-10	4.42E-09	7.18E-10	9.92E-11	8.17E-10	3.86E-09	4.60E-10	4.32E-09	3.98E-10	3.36E-11	4.31E-10
171	437229.8	3725178	3.66E-09	7.96E-10	4.46E-09	7.24E-10	1.00E-10	8.23E-10	3.89E-09	4.64E-10	4.36E-09	4.01E-10	3.39E-11	4.35E-10
172	437278	3725077	4.02E-09	8.74E-10	4.90E-09	7.95E-10	1.10E-10	9.04E-10	4.27E-09	5.09E-10	4.78E-09	4.40E-10	3.72E-11	4.77E-10
173	437282.1	3725068	4.05E-09	8.80E-10	4.93E-09	8.00E-10	1.11E-10	9.11E-10	4.30E-09	5.13E-10	4.82E-09	4.43E-10	3.75E-11	4.81E-10
174	437286.1	3725060	4.07E-09	8.85E-10	4.96E-09	8.04E-10	1.11E-10	9.15E-10	4.33E-09	5.16E-10	4.84E-09	4.45E-10	3.77E-11	4.83E-10
175	437290.1	3725052	4.09E-09	8.88E-10	4.97E-09	8.07E-10	1.12E-10	9.19E-10	4.34E-09	5.17E-10	4.86E-09	4.47E-10	3.78E-11	4.85E-10
176	437294.1	3725043	4.09E-09	8.90E-10	4.98E-09	8.09E-10	1.12E-10	9.20E-10	4.35E-09	5.18E-10	4.87E-09	4.48E-10	3.79E-11	4.86E-10
177	437298.1	3725035	4.08E-09	8.87E-10	4.97E-09	8.06E-10	1.11E-10	9.17E-10	4.34E-09	5.17E-10	4.85E-09	4.46E-10	3.77E-11	4.84E-10
178	437302.1	3725026	4.04E-09	8.77E-10	4.92E-09	7.98E-10	1.10E-10	9.08E-10	4.29E-09	5.11E-10	4.80E-09	4.42E-10	3.74E-11	4.79E-10
179	437306.2	3725018	3.99E-09	8.66E-10	4.85E-09	7.88E-10	1.09E-10	8.97E-10	4.24E-09	5.05E-10	4.74E-09	4.36E-10	3.69E-11	4.73E-10
180	437310.2	3725009	3.93E-09	8.54E-10	4.78E-09	7.76E-10	1.07E-10	8.83E-10	4.17E-09	4.98E-10	4.67E-09	4.30E-10	3.63E-11	4.66E-10
181	437289.7	3725466	5.69E-09	1.24E-09	6.92E-09	1.12E-09	1.55E-10	1.28E-09	6.04E-09	7.20E-10	6.76E-09	6.22E-10	5.26E-11	6.75E-10
182	437296	3725473	5.86E-09	1.27E-09	7.13E-09	1.16E-09	1.60E-10	1.32E-09	6.22E-09	7.42E-10	6.96E-09	6.41E-10	5.42E-11	6.95E-10
183	437302.3	3725480	6.01E-09	1.31E-09	7.32E-09	1.19E-09	1.64E-10	1.35E-09	6.39E-09	7.61E-10	7.15E-09	6.58E-10	5.56E-11	7.13E-10
184	437264.3	3725478	4.96E-09	1.08E-09	6.04E-09	9.80E-10	1.35E-10	1.11E-09	5.27E-09	6.28E-10	5.90E-09	5.43E-10	4.59E-11	5.88E-10
185	437261.3	3725469	4.90E-09	1.06E-09	5.96E-09	9.68E-10	1.34E-10	1.10E-09	5.20E-09	6.20E-10	5.82E-09	5.36E-10	4.53E-11	5.81E-10
186	437258.2	3725461	4.84E-09	1.05E-09	5.89E-09	9.55E-10	1.32E-10	1.09E-09	5.14E-09	6.12E-10	5.75E-09	5.29E-10	4.47E-11	5.74E-10
187	437255.2	3725452	4.77E-09	1.04E-09	5.81E-09	9.43E-10	1.30E-10	1.07E-09	5.07E-09	6.04E-10	5.67E-09	5.22E-10	4.41E-11	5.66E-10
188	437252.1	3725443	4.71E-09	1.02E-09	5.73E-09	9.30E-10	1.28E-10	1.06E-09	5.00E-09	5.96E-10	5.60E-09	5.15E-10	4.35E-11	5.59E-10
189	437249	3725435	4.65E-09	1.01E-09	5.65E-09	9.17E-10	1.27E-10	1.04E-09	4.93E-09	5.88E-10	5.52E-09	5.08E-10	4.30E-11	5.51E-10
190	437246	3725426	4.58E-09	9.95E-10	5.58E-09	9.05E-10	1.25E-10	1.03E-09	4.87E-09	5.80E-10	5.45E-09	5.01E-10	4.24E-11	5.44E-10
191	437242.9	3725417	4.52E-09	9.81E-10	5.50E-09	8.92E-10	1.23E-10	1.02E-09	4.80E-09	5.72E-10	5.37E-09	4.94E-10	4.18E-11	5.36E-10
192	437239.9	3725409	4.45E-09	9.67E-10	5.42E-09	8.79E-10	1.21E-10	1.00E-09	4.73E-09	5.64E-10	5.29E-09	4.87E-10	4.12E-11	5.28E-10
193	437236.8	3725400	4.39E-09	9.53E-10	5.34E-09	8.67E-10	1.20E-10	9.86E-10	4.66E-09	5.56E-10	5.22E-09	4.80E-10	4.06E-11	5.21E-10
194	437215.5	3725339	3.93E-09	8.54E-10	4.79E-09	7.76E-10	1.07E-10	8.84E-10	4.18E-09	4.98E-10	4.67E-09	4.30E-10	3.64E-11	4.66E-10
195	437212.4	3725331	3.87E-09	8.40E-10	4.71E-09	7.64E-10	1.06E-10	8.69E-10	4.11E-09	4.90E-10	4.60E-09	4.23E-10	3.58E-11	4.59E-10
196	437209.3	3725322	3.80E-09	8.26E-10	4.63E-09	7.51E-10	1.04E-10	8.55E-10	4.04E-09	4.82E-10	4.52E-09	4.16E-10	3.52E-11	4.51E-10
197	437206.3	3725313	3.74E-09	8.13E-10	4.55E-09	7.39E-10	1.02E-10	8.41E-10	3.97E-09	4.74E-10	4.45E-09	4.09E-10	3.46E-11	4.44E-10
198	437203.2	3725305	3.68E-09	7.99E-10	4.48E-09	7.26E-10	1.00E-10	8.26E-10	3.91E-09	4.66E-10	4.37E-09	4.02E-10	3.40E-11	4.36E-10
199	437200.2	3725296	3.62E-09	7.85E-10	4.40E-09	7.14E-10	9.86E-11	8.13E-10	3.84E-09	4.58E-10	4.30E-09	3.95E-10	3.34E-11	4.29E-10
200	437197.1	3725288	3.55E-09	7.72E-10	4.32E-09	7.02E-10	9.69E-11	7.98E-10	3.77E-09	4.50E-10	4.22E-09	3.89E-10	3.29E-11	4.21E-10
201	437194.1	3725279	3.49E-09	7.58E-10	4.25E-09	6.89E-10	9.52E-11	7.85E-10	3.71E-09	4.42E-10	4.15E-09	3.82E-10	3.23E-11	4.14E-10
202	437191	3725270	3.43E-09	7.45E-10	4.17E-09	6.77E-10	9.36E-11	7.71E-10	3.64E-09	4.34E-10	4.08E-09	3.75E-10	3.17E-11	4.07E-10
203	437188	3725262	3.37E-09	7.32E-10	4.10E-09	6.65E-10	9.19E-11	7.57E-10	3.58E-09	4.26E-10	4.00E-09	3.68E-10	3.12E-11	4.00E-10
204	437179.7	3725219	3.17E-09	6.89E-10	3.86E-09	6.27E-10	8.65E-11	7.13E-10	3.37E-09	4.02E-10	3.77E-09	3.47E-10	2.93E-11	3.76E-10
205	437183.6	3725210	3.20E-09	6.94E-10	3.89E-09	6.31E-10	8.72E-11	7.19E-10	3.40E-09	4.05E-10	3.80E-09	3.50E-10	2.96E-11	3.79E-10
206	437187.6	3725202	3.20E-09	6.96E-10	3.90E-09	6.33E-10	8.74E-11	7.20E-10	3.40E-09	4.06E-10	3.81E-09	3.51E-10	2.96E-11	3.80E-10
207	437191.5	3725194	3.23E-09	7.02E-10	3.93E-09	6.38E-10	8.81E-11	7.26E-10	3.43E-09	4.09E-10	3.84E-09	3.53E-10	2.99E-11	3.83E-10
208	437195.5	3725186	3.26E-09	7.08E-10	3.96E-09	6.43E-10	8.89E-11	7.32E-10	3.46E-09	4.12E-10	3.87E-09	3.56E-10	3.01E-11	3.86E-10
209	437199.4	3725177	3.29E-09	7.14E-10	4.00E-09	6.49E-10	8.96E-11	7.39E-10	3.49E-09	4.16E-10	3.91E-09	3.59E-10	3.04E-11	3.90E-10
210	437258.6	3725053	3.48E-09	7.56E-10	4.24E-09	6.88E-10	9.50E-11	7.83E-10	3.70E-09	4.41E-10	4.14E-09	3.81E-10	3.22E-11	4.13E-10
211	437262.5	3725045	3.49E-09	7.59E-10	4.25E-09	6.90E-10	9.53E-11	7.85E-10	3.71E-09	4.42E-10	4.15E-09	3.82E-10	3.23E-11	4.15E-10
212	437266.5	3725037	3.50E-09	7.61E-10	4.27E-09	6.92E-10	9.56E-11	7.88E-10	3.72E-09	4.44E-10	4.17E-09	3.83E-10	3.24E-11	4.16E-10
213	437270.4	3725028	3.51E-09	7.62E-10	4.27E-09	6.93E-10	9.57E-11	7.89E-10	3.73E-09	4.44E-10	4.17E-09	3.84E-10	3.25E-11	4.16E-10
214	437274.4	3725020	3.50E-09	7.61E-10	4.27E-09	6.92E-10	9.56E-11	7.88E-10	3.72E-09	4.44E-10	4.17E-09	3.83E-10	3.24E-11	4.16E-10
215	437278.3	3725012	3.49E-09	7.59E-10	4.25E-09	6.90E-10	9.53E-11	7.85E-10	3.71E-09	4.42E-10	4.15E-09	3.82E-10	3.23E-11	4.14E-10
216	437282.3	3725003	3.47E-09	7.55E-10	4.23E-09	6.86E-10	9.48E-11	7.81E-10	3.69E-09	4.40E-10	4.13E-09	3.80E-10	3.21E-11	4.12E-10
217	437286.2	3724995	3.45E-09	7.50E-10	4.20E-09	6.82E-10	9.42E-11	7.76E-10	3.67E-09	4.37E-10	4.10E-09	3.78E-10	3.19E-11	4.09E-10
218	437290.2	3724987	3.41E-09	7.41E-10	4.15E-09	6.74E-10	9.31E-11	7.67E-10	3.62E-09	4.32E-10	4.06E-09	3.73E-10	3.16E-11	4.05E-10
219	437235.7	3725480	4.25E-09	9.23E-10	5.17E-09	8.39E-10	1.16E-10	9.55E-10	4.51E-09	5.38E-10	5.05E-09	4.65E-10	3.93E-11	5.04E-10
220	437232.6	3725471	4.20E-09	9.12E-10	5.11E-09	8.29E-10	1.15E-10	9.44E-10	4.46E-09	5.31E-10	4.99E-09	4.59E-10	3.88E-11	4.98E-10
221	437229.5	3725463	4.15E-09	9.01E-10	5.05E-09	8.19E-10	1.13E-10	9.32E-10	4.41E-09	5.25E-10	4.93E-09	4.54E-10	3.84E-11	4.92E-10
222	437226.4	3725454	4.09E-09	8.90E-10	4.98E-09	8.09E-10	1.12E-10	9.21E-10	4.35E-09	5.19E-10	4.87E-09	4.48E-10	3.79E-11	4.86E-10
223	437223.3	3725445	4.04E-09	8.78E-10	4.92E-09	7.98E-10	1.10E-10	9.09E-10	4.29E-09	5.12E-10	4.81E-09	4.42E-10	3.74E-11	4.80E-10
224	437220.2	3725436	3.99E-09	8.67E-10	4.86E-09	7.88E-10	1.09E-10	8.97E-10	4.24E-09	5.05E-10	4.74E-09	4.36E-10	3.69E-11	4.73E-10

225	437217.1	3725427	3.94E-09	8.55E-10	4.79E-09	7.77E-10	1.07E-10	8.85E-10	4.18E-09	4.98E-10	4.68E-09	4.31E-10	3.64E-11	4.67E-10
226	437214	3725419	3.88E-09	8.44E-10	4.73E-09	7.67E-10	1.06E-10	8.73E-10	4.12E-09	4.92E-10	4.62E-09	4.25E-10	3.59E-11	4.61E-10
227	437210.9	3725410	3.83E-09	8.32E-10	4.66E-09	7.56E-10	1.04E-10	8.61E-10	4.07E-09	4.85E-10	4.55E-09	4.19E-10	3.54E-11	4.54E-10
228	437207.8	3725401	3.78E-09	8.20E-10	4.60E-09	7.46E-10	1.03E-10	8.49E-10	4.01E-09	4.78E-10	4.49E-09	4.13E-10	3.49E-11	4.48E-10
229	437189.2	3725348	3.46E-09	7.51E-10	4.21E-09	6.83E-10	9.43E-11	7.77E-10	3.67E-09	4.38E-10	4.11E-09	3.78E-10	3.20E-11	4.10E-10
230	437186.1	3725340	3.41E-09	7.40E-10	4.15E-09	6.73E-10	9.29E-11	7.66E-10	3.62E-09	4.31E-10	4.05E-09	3.73E-10	3.15E-11	4.04E-10
231	437183	3725331	3.35E-09	7.29E-10	4.08E-09	6.62E-10	9.15E-11	7.54E-10	3.56E-09	4.25E-10	3.99E-09	3.67E-10	3.10E-11	3.98E-10
232	437164.4	3725278	3.05E-09	6.62E-10	3.71E-09	6.02E-10	8.32E-11	6.85E-10	3.24E-09	3.86E-10	3.62E-09	3.34E-10	2.82E-11	3.62E-10
233	437161.3	3725269	3.00E-09	6.52E-10	3.65E-09	5.92E-10	8.18E-11	6.74E-10	3.19E-09	3.80E-10	3.57E-09	3.28E-10	2.77E-11	3.56E-10
234	437158.2	3725261	2.95E-09	6.41E-10	3.59E-09	5.83E-10	8.05E-11	6.63E-10	3.13E-09	3.73E-10	3.51E-09	3.23E-10	2.73E-11	3.50E-10
235	437149.8	3725217	2.79E-09	6.07E-10	3.40E-09	5.52E-10	7.62E-11	6.28E-10	2.97E-09	3.54E-10	3.32E-09	3.06E-10	2.58E-11	3.31E-10
236	437153.8	3725209	2.83E-09	6.14E-10	3.44E-09	5.59E-10	7.72E-11	6.36E-10	3.00E-09	3.58E-10	3.36E-09	3.09E-10	2.62E-11	3.35E-10
237	437157.8	3725200	2.86E-09	6.22E-10	3.48E-09	5.65E-10	7.81E-11	6.43E-10	3.04E-09	3.62E-10	3.40E-09	3.13E-10	2.65E-11	3.40E-10
238	437161.8	3725192	2.90E-09	6.29E-10	3.53E-09	5.72E-10	7.90E-11	6.51E-10	3.08E-09	3.67E-10	3.44E-09	3.17E-10	2.68E-11	3.44E-10
239	437165.8	3725183	2.93E-09	6.37E-10	3.57E-09	5.79E-10	7.99E-11	6.59E-10	3.11E-09	3.71E-10	3.48E-09	3.21E-10	2.71E-11	3.48E-10
240	437169.8	3725175	2.96E-09	6.44E-10	3.61E-09	5.85E-10	8.09E-11	6.66E-10	3.15E-09	3.75E-10	3.52E-09	3.24E-10	2.74E-11	3.52E-10
241	437209.9	3725091	3.07E-09	6.68E-10	3.74E-09	6.07E-10	8.39E-11	6.91E-10	3.26E-09	3.89E-10	3.65E-09	3.36E-10	2.84E-11	3.65E-10
242	437242	3725024	3.09E-09	6.72E-10	3.76E-09	6.11E-10	8.43E-11	6.95E-10	3.28E-09	3.91E-10	3.67E-09	3.38E-10	2.86E-11	3.67E-10
243	437246	3725015	3.08E-09	6.69E-10	3.75E-09	6.08E-10	8.40E-11	6.92E-10	3.27E-09	3.90E-10	3.66E-09	3.37E-10	2.85E-11	3.65E-10
244	437250	3725007	3.06E-09	6.66E-10	3.73E-09	6.05E-10	8.36E-11	6.89E-10	3.26E-09	3.88E-10	3.64E-09	3.35E-10	2.83E-11	3.64E-10
245	437254	3724998	3.05E-09	6.62E-10	3.71E-09	6.01E-10	8.31E-11	6.85E-10	3.23E-09	3.86E-10	3.62E-09	3.33E-10	2.82E-11	3.61E-10
246	437258	3724990	3.03E-09	6.57E-10	3.68E-09	5.97E-10	8.25E-11	6.80E-10	3.21E-09	3.83E-10	3.60E-09	3.31E-10	2.80E-11	3.59E-10
247	437262	3724982	3.01E-09	6.53E-10	3.66E-09	5.94E-10	8.21E-11	6.76E-10	3.19E-09	3.81E-10	3.58E-09	3.29E-10	2.78E-11	3.57E-10
248	437266	3724973	2.99E-09	6.49E-10	3.64E-09	5.90E-10	8.16E-11	6.72E-10	3.18E-09	3.79E-10	3.55E-09	3.27E-10	2.76E-11	3.55E-10
249	437270	3724965	2.97E-09	6.45E-10	3.61E-09	5.86E-10	8.09E-11	6.67E-10	3.15E-09	3.76E-10	3.53E-09	3.25E-10	2.74E-11	3.52E-10
250	437203.9	3725473	3.63E-09	7.89E-10	4.42E-09	7.17E-10	9.90E-11	8.16E-10	3.86E-09	4.60E-10	4.32E-09	3.97E-10	3.36E-11	4.31E-10
251	437200.7	3725464	3.59E-09	7.79E-10	4.37E-09	7.08E-10	9.79E-11	8.06E-10	3.81E-09	4.54E-10	4.26E-09	3.92E-10	3.32E-11	4.26E-10
252	437197.6	3725455	3.54E-09	7.70E-10	4.31E-09	7.00E-10	9.67E-11	7.97E-10	3.76E-09	4.49E-10	4.21E-09	3.88E-10	3.28E-11	4.20E-10
253	437194.4	3725446	3.50E-09	7.60E-10	4.26E-09	6.91E-10	9.55E-11	7.87E-10	3.72E-09	4.43E-10	4.16E-09	3.83E-10	3.24E-11	4.15E-10
254	437191.3	3725438	3.46E-09	7.51E-10	4.21E-09	6.83E-10	9.43E-11	7.77E-10	3.67E-09	4.38E-10	4.11E-09	3.78E-10	3.20E-11	4.10E-10
255	437188.1	3725429	3.41E-09	7.41E-10	4.15E-09	6.74E-10	9.31E-11	7.67E-10	3.63E-09	4.32E-10	4.06E-09	3.73E-10	3.16E-11	4.05E-10
256	437185	3725420	3.37E-09	7.32E-10	4.10E-09	6.65E-10	9.19E-11	7.57E-10	3.58E-09	4.27E-10	4.01E-09	3.69E-10	3.12E-11	4.00E-10
257	437181.9	3725411	3.33E-09	7.22E-10	4.05E-09	6.57E-10	9.07E-11	7.48E-10	3.53E-09	4.21E-10	3.95E-09	3.64E-10	3.08E-11	3.95E-10
258	437178.7	3725402	3.28E-09	7.13E-10	3.99E-09	6.48E-10	8.95E-11	7.38E-10	3.49E-09	4.15E-10	3.90E-09	3.59E-10	3.03E-11	3.89E-10
259	437175.6	3725393	3.24E-09	7.04E-10	3.94E-09	6.40E-10	8.83E-11	7.28E-10	3.44E-09	4.10E-10	3.85E-09	3.54E-10	2.99E-11	3.84E-10
260	437153.6	3725331	2.94E-09	6.38E-10	3.57E-09	5.80E-10	8.01E-11	6.60E-10	3.12E-09	3.72E-10	3.49E-09	3.21E-10	2.72E-11	3.48E-10
261	437150.4	3725322	2.89E-09	6.29E-10	3.52E-09	5.72E-10	7.90E-11	6.50E-10	3.07E-09	3.66E-10	3.44E-09	3.17E-10	2.68E-11	3.43E-10
262	437147.3	3725313	2.85E-09	6.20E-10	3.47E-09	5.63E-10	7.78E-11	6.41E-10	3.03E-09	3.61E-10	3.39E-09	3.12E-10	2.64E-11	3.38E-10
263	437144.1	3725304	2.81E-09	6.11E-10	3.42E-09	5.55E-10	7.67E-11	6.32E-10	2.99E-09	3.56E-10	3.34E-09	3.07E-10	2.60E-11	3.33E-10
264	437141	3725295	2.77E-09	6.02E-10	3.37E-09	5.47E-10	7.55E-11	6.22E-10	2.94E-09	3.51E-10	3.29E-09	3.03E-10	2.56E-11	3.28E-10
265	437137.8	3725286	2.73E-09	5.93E-10	3.32E-09	5.39E-10	7.44E-11	6.13E-10	2.90E-09	3.45E-10	3.24E-09	2.98E-10	2.52E-11	3.24E-10
266	437134.7	3725277	2.69E-09	5.84E-10	3.27E-09	5.30E-10	7.33E-11	6.04E-10	2.85E-09	3.40E-10	3.19E-09	2.94E-10	2.48E-11	3.19E-10
267	437131.6	3725268	2.64E-09	5.75E-10	3.22E-09	5.22E-10	7.22E-11	5.95E-10	2.81E-09	3.35E-10	3.14E-09	2.89E-10	2.45E-11	3.14E-10
268	437128.4	3725259	2.60E-09	5.66E-10	3.17E-09	5.14E-10	7.11E-11	5.85E-10	2.77E-09	3.30E-10	3.10E-09	2.85E-10	2.41E-11	3.09E-10
269	437119	3725233	2.48E-09	5.40E-10	3.02E-09	4.91E-10	6.78E-11	5.59E-10	2.64E-09	3.15E-10	2.95E-09	2.72E-10	2.30E-11	2.95E-10
270	437119.9	3725215	2.48E-09	5.38E-10	3.02E-09	4.89E-10	6.76E-11	5.57E-10	2.63E-09	3.14E-10	2.94E-09	2.71E-10	2.29E-11	2.94E-10
271	437124	3725207	2.51E-09	5.45E-10	3.05E-09	4.95E-10	6.84E-11	5.64E-10	2.66E-09	3.17E-10	2.98E-09	2.74E-10	2.32E-11	2.97E-10
272	437128	3725198	2.54E-09	5.51E-10	3.09E-09	5.01E-10	6.93E-11	5.71E-10	2.70E-09	3.21E-10	3.02E-09	2.78E-10	2.35E-11	3.01E-10
273	437132.1	3725190	2.57E-09	5.58E-10	3.13E-09	5.07E-10	7.01E-11	5.77E-10	2.73E-09	3.25E-10	3.05E-09	2.81E-10	2.38E-11	3.05E-10
274	437136.1	3725181	2.60E-09	5.65E-10	3.16E-09	5.13E-10	7.09E-11	5.84E-10	2.76E-09	3.29E-10	3.09E-09	2.84E-10	2.40E-11	3.08E-10
275	437164.6	3725122	2.79E-09	6.05E-10	3.39E-09	5.50E-10	7.60E-11	6.26E-10	2.96E-09	3.53E-10	3.31E-09	3.05E-10	2.58E-11	3.31E-10
276	437168.6	3725113	2.81E-09	6.10E-10	3.42E-09	5.55E-10	7.66E-11	6.31E-10	2.98E-09	3.56E-10	3.34E-09	3.07E-10	2.60E-11	3.33E-10
277	437172.7	3725105	2.83E-09	6.15E-10	3.45E-09	5.59E-10	7.73E-11	6.37E-10	3.01E-09	3.59E-10	3.37E-09	3.10E-10	2.62E-11	3.36E-10
278	437176.8	3725096	2.84E-09	6.17E-10	3.46E-09	5.61E-10	7.75E-11	6.38E-10	3.02E-09	3.60E-10	3.38E-09	3.11E-10	2.63E-11	3.37E-10
279	437180.8	3725088	2.85E-09	6.18E-10	3.46E-09	5.62E-10	7.76E-11	6.40E-10	3.02E-09	3.60E-10	3.38E-09	3.11E-10	2.63E-11	3.38E-10
280	437184.9	3725079	2.85E-09	6.18E-10	3.46E-09	5.62E-10	7.76E-11	6.40E-10	3.02E-09	3.60E-10	3.38E-09	3.11E-10	2.63E-11	3.38E-10
281	437188.9	3725070	2.85E-09	6.18E-10	3.46E-09	5.62E-10	7.76E-11	6.40E-10	3.02E-09	3.60E-10	3.38E-09	3.11E-10	2.63E-11	3.38E-10
282	437193	3725062	2.84E-09	6.18E-10	3.46E-09	5.61E-10	7.75E-11	6.39E-10	3.02E-09	3.60E-10	3.38E-09	3.11E-10	2.63E-11	3.37E-10
283	437225.5	3724994	2.75E-09	5.96E-10	3.34E-09	5.42E-10	7.49E-11	6.17E-10	2.92E-09	3.48E-10	3.26E-09	3.00E-10	2.54E-11	3.26E-10
284	437229.6	3724985	2.72E-09	5.91E-10	3.31E-09	5.37E-10	7.42E-11	6.11E-10	2.89E-09	3.44E-10	3.23E-09	2.98E-10	2.52E-11	3.23E-10
285	437233.6	3724977	2.70E-09	5.87E-10	3.29E-09	5.34E-10	7.38E-11	6.08E-10	2.87E-09	3.42E-10	3.21E-09	2.96E-10	2.50E-11	3.21E-10
286	437237.7	3724968	2.68E-09	5.83E-10	3.27E-09	5.30E-10	7.32E-11	6.03E-10	2.85E-09	3.40E-10	3.19E-09	2.94E-10	2.48E-11	3.18E-10
287	437241.7	3724960	2.67E-09	5.79E-10	3.24E-09	5.26E-10	7.27E-11	5.99E-10	2.83E-09	3.37E-10	3.17E-09	2.92E-10	2.46E-11	3.16E-10
288	437245.8	3724951	2.64E-09	5.74E-10	3.22E-09	5.22E-10	7.21E-11	5.94E-10	2.81E-09	3.35E-10	3.14E-09	2.89E-10	2.44E-11	3.14E-10
289	437249.9	3724943	2.62E-09	5.69E-10	3.19E-09	5.17E-10	7.14E-11	5.89E-10	2.78E-09	3.32E-10	3.11E-09	2.86E-10	2.42E-11	3.11E-10
290	437175.6	3725476	3.15E-09	6.85E-10	3.84E-09	6.23E-10	8.60E-11	7.09E-10	3.35E-09	3.99E-10	3.75E-09	3.45E-10	2.92E-11	3.74E-10
291	437172.5	3725468	3.12E-09	6.79E-10	3.80E-09	6.17E-10	8.52E-11	7.02E-10	3.32E-09	3.95E-10	3.71E-09	3.42E-10	2.89E-11	3.71E-10
292	437169.4	3725459	3.09E-09	6.72E-10	3.77E-09	6.11E-10	8.44E-11	6.95E-10	3.29E-09	3.92E-10	3.68E-09	3.38E-10	2.86E-11	3.67E-10
293	437166.3	3725450	3.06E-09	6.66E-10	3.73E-09	6.05E-10	8.36E-11	6.89E-10	3.25E-09	3.88E-10	3.64E-09	3.35E-10	2.83E-11	3.63E-10
294	437163.3	3725441	3.04E-09	6.60E-10	3.70E-09	6.00E-10	8.28E-11	6.83E-10	3.23E-09	3.84E-10	3.61E-09	3.32E-10	2.81E-11	3.60E-10
295	437160.2	3725433	3.00E-09	6.52E-10	3.65E-09	5.93E-10	8.19E-11	6.75E-10	3.19E-09	3.80E-10	3.57E-09	3.28E-10	2.78E-11	3.56E-10
296	437157.1	3725424	2.97E-09	6.44E-10	3.61E-09	5.86E-10	8.09E-11	6.67E-10	3.15E-09	3.76E-10	3.53E-09	3.24E-10	2.74E-11	3.52E-10
297	437154	3725415	2.93E-09	6.37E-10	3.57E-09	5.79E-10	8.00E-11	6.59E-10	3.11E-09	3.71E-10	3.48E-09	3.21E-10	2.71E-11	3.48E-10
298	437150.9	3725406	2.90E-09	6.29E-10	3.53E-09	5.72E-10	7.90E-11	6.51E-10	3.08E-09	3.67E-10	3.44E-09	3.17E-10	2.68E-11	3.44E-10
299	437147.8	3725398	2.86E-09	6.22E-10	3.48E-09	5.65E-10	7.81E-11	6.43E-10	3.04E-09	3.62E-10	3.40E-09	3.13E-10	2.65E-11	3.39E-10
300	437135.4	3725363	2.72E-09	5.91E-10	3.31E-09	5.38E-10	7.43E-11	6.12E-10	2.89E-09	3.45E-10	3.24E-09	2.98E-10	2.52E-11	3.23E-10

301	437132.3	3725354	2.69E-09	5.84E-10	3.27E-09	5.31E-10	7.33E-11	6.04E-10	2.85E-09	3.40E-10	3.19E-09	2.94E-10	2.49E-11	3.19E-10
302	437129.2	3725345	2.65E-09	5.76E-10	3.23E-09	5.24E-10	7.24E-11	5.96E-10	2.82E-09	3.36E-10	3.15E-09	2.90E-10	2.45E-11	3.15E-10
303	437126.1	3725336	2.62E-09	5.69E-10	3.19E-09	5.17E-10	7.14E-11	5.88E-10	2.78E-09	3.31E-10	3.11E-09	2.86E-10	2.42E-11	3.10E-10
304	437123	3725327	2.58E-09	5.61E-10	3.14E-09	5.10E-10	7.04E-11	5.80E-10	2.74E-09	3.27E-10	3.07E-09	2.82E-10	2.39E-11	3.06E-10
305	437119.9	3725319	2.55E-09	5.53E-10	3.10E-09	5.03E-10	6.95E-11	5.73E-10	2.71E-09	3.23E-10	3.03E-09	2.79E-10	2.36E-11	3.02E-10
306	437116.8	3725310	2.51E-09	5.46E-10	3.06E-09	4.96E-10	6.86E-11	5.65E-10	2.67E-09	3.18E-10	2.99E-09	2.75E-10	2.32E-11	2.98E-10
307	437113.7	3725301	2.48E-09	5.39E-10	3.02E-09	4.90E-10	6.77E-11	5.57E-10	2.63E-09	3.14E-10	2.95E-09	2.71E-10	2.29E-11	2.94E-10
308	437110.6	3725292	2.45E-09	5.32E-10	2.98E-09	4.83E-10	6.67E-11	5.50E-10	2.60E-09	3.10E-10	2.91E-09	2.68E-10	2.26E-11	2.90E-10
309	437107.5	3725284	2.41E-09	5.24E-10	2.94E-09	4.76E-10	6.58E-11	5.42E-10	2.56E-09	3.05E-10	2.87E-09	2.64E-10	2.23E-11	2.86E-10
310	437101.4	3725266	2.35E-09	5.10E-10	2.86E-09	4.63E-10	6.40E-11	5.27E-10	2.49E-09	2.97E-10	2.79E-09	2.57E-10	2.17E-11	2.78E-10
311	437089	3725231	2.22E-09	4.82E-10	2.70E-09	4.38E-10	6.05E-11	4.98E-10	2.36E-09	2.81E-10	2.64E-09	2.43E-10	2.05E-11	2.63E-10
312	437089.9	3725214	2.21E-09	4.81E-10	2.69E-09	4.37E-10	6.04E-11	4.97E-10	2.35E-09	2.80E-10	2.63E-09	2.42E-10	2.05E-11	2.62E-10
313	437093.9	3725206	2.24E-09	4.86E-10	2.72E-09	4.42E-10	6.11E-11	5.03E-10	2.38E-09	2.83E-10	2.66E-09	2.45E-10	2.07E-11	2.66E-10
314	437097.9	3725197	2.26E-09	4.92E-10	2.76E-09	4.47E-10	6.18E-11	5.09E-10	2.41E-09	2.87E-10	2.69E-09	2.48E-10	2.09E-11	2.69E-10
315	437101.9	3725189	2.29E-09	4.98E-10	2.79E-09	4.52E-10	6.25E-11	5.15E-10	2.43E-09	2.90E-10	2.72E-09	2.51E-10	2.12E-11	2.72E-10
316	437105.9	3725180	2.32E-09	5.03E-10	2.82E-09	4.57E-10	6.32E-11	5.21E-10	2.46E-09	2.93E-10	2.75E-09	2.53E-10	2.14E-11	2.75E-10
317	437129.9	3725130	2.46E-09	5.35E-10	3.00E-09	4.86E-10	6.72E-11	5.54E-10	2.62E-09	3.12E-10	2.93E-09	2.69E-10	2.28E-11	2.92E-10
318	437133.9	3725122	2.48E-09	5.40E-10	3.02E-09	4.91E-10	6.78E-11	5.59E-10	2.64E-09	3.15E-10	2.95E-09	2.72E-10	2.30E-11	2.95E-10
319	437137.9	3725113	2.51E-09	5.45E-10	3.05E-09	4.95E-10	6.84E-11	5.63E-10	2.66E-09	3.17E-10	2.98E-09	2.74E-10	2.32E-11	2.97E-10
320	437141.9	3725105	2.53E-09	5.49E-10	3.08E-09	4.99E-10	6.90E-11	5.68E-10	2.68E-09	3.20E-10	3.00E-09	2.76E-10	2.34E-11	3.00E-10
321	437145.9	3725096	2.55E-09	5.53E-10	3.10E-09	5.03E-10	6.95E-11	5.72E-10	2.70E-09	3.22E-10	3.03E-09	2.79E-10	2.36E-11	3.02E-10
322	437149.9	3725088	2.56E-09	5.57E-10	3.12E-09	5.06E-10	7.00E-11	5.76E-10	2.72E-09	3.25E-10	3.05E-09	2.80E-10	2.37E-11	3.04E-10
323	437153.9	3725080	2.58E-09	5.60E-10	3.14E-09	5.10E-10	7.04E-11	5.80E-10	2.74E-09	3.27E-10	3.07E-09	2.82E-10	2.39E-11	3.06E-10
324	437157.9	3725071	2.59E-09	5.63E-10	3.16E-09	5.12E-10	7.08E-11	5.83E-10	2.75E-09	3.28E-10	3.08E-09	2.84E-10	2.40E-11	3.08E-10
325	437161.8	3725063	2.61E-09	5.66E-10	3.17E-09	5.15E-10	7.11E-11	5.86E-10	2.77E-09	3.30E-10	3.10E-09	2.85E-10	2.41E-11	3.09E-10
326	437165.8	3725054	2.61E-09	5.68E-10	3.18E-09	5.16E-10	7.13E-11	5.88E-10	2.78E-09	3.31E-10	3.11E-09	2.86E-10	2.42E-11	3.10E-10
327	437169.8	3725046	2.62E-09	5.70E-10	3.19E-09	5.18E-10	7.15E-11	5.89E-10	2.78E-09	3.32E-10	3.12E-09	2.87E-10	2.42E-11	3.11E-10
328	437173.8	3725038	2.63E-09	5.71E-10	3.20E-09	5.19E-10	7.17E-11	5.90E-10	2.79E-09	3.33E-10	3.12E-09	2.87E-10	2.43E-11	3.12E-10
329	437177.8	3725029	2.63E-09	5.71E-10	3.20E-09	5.19E-10	7.17E-11	5.91E-10	2.79E-09	3.33E-10	3.12E-09	2.87E-10	2.43E-11	3.12E-10
330	437213.8	3724954	2.45E-09	5.32E-10	2.98E-09	4.84E-10	6.69E-11	5.51E-10	2.60E-09	3.10E-10	2.91E-09	2.68E-10	2.27E-11	2.91E-10
331	437217.8	3724945	2.42E-09	5.26E-10	2.95E-09	4.78E-10	6.61E-11	5.44E-10	2.57E-09	3.07E-10	2.88E-09	2.65E-10	2.24E-11	2.87E-10
332	437221.8	3724937	2.39E-09	5.20E-10	2.91E-09	4.73E-10	6.53E-11	5.38E-10	2.54E-09	3.03E-10	2.85E-09	2.62E-10	2.21E-11	2.84E-10
333	437225.8	3724929	2.37E-09	5.14E-10	2.88E-09	4.68E-10	6.46E-11	5.32E-10	2.51E-09	3.00E-10	2.81E-09	2.59E-10	2.19E-11	2.81E-10
334	437229.8	3724920	2.34E-09	5.08E-10	2.85E-09	4.62E-10	6.39E-11	5.26E-10	2.49E-09	2.96E-10	2.78E-09	2.56E-10	2.16E-11	2.78E-10
335	437143.6	3725469	2.72E-09	5.90E-10	3.31E-09	5.36E-10	7.41E-11	6.11E-10	2.88E-09	3.44E-10	3.23E-09	2.97E-10	2.51E-11	3.22E-10
336	437140.5	3725460	2.70E-09	5.86E-10	3.28E-09	5.32E-10	7.35E-11	6.06E-10	2.86E-09	3.41E-10	3.20E-09	2.95E-10	2.49E-11	3.20E-10
337	437137.4	3725451	2.68E-09	5.81E-10	3.26E-09	5.29E-10	7.30E-11	6.02E-10	2.84E-09	3.39E-10	3.18E-09	2.93E-10	2.48E-11	3.18E-10
338	437134.2	3725442	2.66E-09	5.78E-10	3.24E-09	5.25E-10	7.25E-11	5.98E-10	2.82E-09	3.37E-10	3.16E-09	2.91E-10	2.46E-11	3.15E-10
339	437131.1	3725434	2.64E-09	5.74E-10	3.22E-09	5.22E-10	7.21E-11	5.94E-10	2.81E-09	3.34E-10	3.14E-09	2.89E-10	2.44E-11	3.13E-10
340	437128	3725425	2.62E-09	5.70E-10	3.19E-09	5.18E-10	7.16E-11	5.90E-10	2.79E-09	3.32E-10	3.12E-09	2.87E-10	2.43E-11	3.11E-10
341	437124.8	3725416	2.59E-09	5.64E-10	3.16E-09	5.12E-10	7.08E-11	5.83E-10	2.76E-09	3.28E-10	3.08E-09	2.84E-10	2.40E-11	3.08E-10
342	437121.7	3725407	2.56E-09	5.57E-10	3.12E-09	5.07E-10	7.00E-11	5.76E-10	2.72E-09	3.25E-10	3.05E-09	2.81E-10	2.37E-11	3.04E-10
343	437109.2	3725371	2.45E-09	5.32E-10	2.98E-09	4.83E-10	6.68E-11	5.50E-10	2.60E-09	3.10E-10	2.91E-09	2.68E-10	2.26E-11	2.90E-10
344	437106	3725363	2.42E-09	5.25E-10	2.94E-09	4.78E-10	6.60E-11	5.44E-10	2.57E-09	3.06E-10	2.87E-09	2.65E-10	2.24E-11	2.87E-10
345	437102.9	3725354	2.39E-09	5.19E-10	2.91E-09	4.72E-10	6.52E-11	5.37E-10	2.54E-09	3.02E-10	2.84E-09	2.61E-10	2.21E-11	2.83E-10
346	437081	3725292	2.19E-09	4.75E-10	2.66E-09	4.32E-10	5.96E-11	4.91E-10	2.32E-09	2.77E-10	2.60E-09	2.39E-10	2.02E-11	2.59E-10
347	437077.8	3725283	2.16E-09	4.69E-10	2.63E-09	4.26E-10	5.89E-11	4.85E-10	2.29E-09	2.73E-10	2.56E-09	2.36E-10	2.00E-11	2.56E-10
348	437074.7	3725274	2.13E-09	4.63E-10	2.59E-09	4.21E-10	5.81E-11	4.79E-10	2.26E-09	2.70E-10	2.53E-09	2.33E-10	1.97E-11	2.53E-10
349	437071.6	3725265	2.10E-09	4.57E-10	2.56E-09	4.15E-10	5.73E-11	4.72E-10	2.23E-09	2.66E-10	2.50E-09	2.30E-10	1.94E-11	2.49E-10
350	437062.2	3725238	2.02E-09	4.39E-10	2.46E-09	3.99E-10	5.51E-11	4.54E-10	2.15E-09	2.56E-10	2.40E-09	2.21E-10	1.87E-11	2.40E-10
351	437059.1	3725230	1.99E-09	4.33E-10	2.43E-09	3.94E-10	5.44E-11	4.48E-10	2.12E-09	2.53E-10	2.37E-09	2.18E-10	1.84E-11	2.37E-10
352	437060	3725212	1.99E-09	4.33E-10	2.42E-09	3.93E-10	5.43E-11	4.48E-10	2.11E-09	2.52E-10	2.37E-09	2.18E-10	1.84E-11	2.36E-10
353	437064	3725204	2.01E-09	4.37E-10	2.45E-09	3.98E-10	5.49E-11	4.53E-10	2.14E-09	2.55E-10	2.39E-09	2.20E-10	1.86E-11	2.39E-10
354	437068.1	3725195	2.04E-09	4.42E-10	2.48E-09	4.02E-10	5.55E-11	4.58E-10	2.16E-09	2.58E-10	2.42E-09	2.23E-10	1.88E-11	2.41E-10
355	437072.1	3725187	2.06E-09	4.47E-10	2.51E-09	4.06E-10	5.62E-11	4.63E-10	2.19E-09	2.61E-10	2.45E-09	2.25E-10	1.90E-11	2.44E-10
356	437076.2	3725178	2.08E-09	4.52E-10	2.53E-09	4.11E-10	5.68E-11	4.68E-10	2.21E-09	2.63E-10	2.47E-09	2.28E-10	1.92E-11	2.47E-10
357	437104.5	3725119	2.23E-09	4.85E-10	2.72E-09	4.41E-10	6.09E-11	5.02E-10	2.37E-09	2.83E-10	2.65E-09	2.44E-10	2.07E-11	2.65E-10
358	437108.5	3725110	2.25E-09	4.89E-10	2.74E-09	4.45E-10	6.15E-11	5.06E-10	2.39E-09	2.85E-10	2.68E-09	2.46E-10	2.08E-11	2.67E-10
359	437112.6	3725102	2.27E-09	4.94E-10	2.77E-09	4.49E-10	6.20E-11	5.11E-10	2.41E-09	2.88E-10	2.70E-09	2.49E-10	2.10E-11	2.70E-10
360	437116.6	3725093	2.29E-09	4.98E-10	2.79E-09	4.52E-10	6.25E-11	5.15E-10	2.43E-09	2.90E-10	2.72E-09	2.51E-10	2.12E-11	2.72E-10
361	437120.7	3725085	2.31E-09	5.01E-10	2.81E-09	4.56E-10	6.30E-11	5.19E-10	2.45E-09	2.92E-10	2.74E-09	2.52E-10	2.13E-11	2.74E-10
362	437124.7	3725076	2.32E-09	5.05E-10	2.83E-09	4.59E-10	6.34E-11	5.22E-10	2.47E-09	2.94E-10	2.76E-09	2.54E-10	2.15E-11	2.76E-10
363	437128.8	3725068	2.34E-09	5.08E-10	2.84E-09	4.62E-10	6.38E-11	5.25E-10	2.48E-09	2.96E-10	2.78E-09	2.56E-10	2.16E-11	2.77E-10
364	437132.8	3725059	2.35E-09	5.11E-10	2.86E-09	4.64E-10	6.41E-11	5.28E-10	2.50E-09	2.98E-10	2.79E-09	2.57E-10	2.17E-11	2.79E-10
365	437136.8	3725051	2.36E-09	5.13E-10	2.87E-09	4.66E-10	6.44E-11	5.31E-10	2.51E-09	2.99E-10	2.81E-09	2.58E-10	2.18E-11	2.80E-10
366	437140.9	3725042	2.37E-09	5.15E-10	2.89E-09	4.68E-10	6.47E-11	5.33E-10	2.52E-09	3.00E-10	2.82E-09	2.59E-10	2.19E-11	2.81E-10
367	437144.9	3725034	2.38E-09	5.17E-10	2.89E-09	4.70E-10	6.49E-11	5.34E-10	2.53E-09	3.01E-10	2.83E-09	2.60E-10	2.20E-11	2.82E-10
368	437149	3725025	2.38E-09	5.17E-10	2.90E-09	4.70E-10	6.50E-11	5.35E-10	2.53E-09	3.02E-10	2.83E-09	2.61E-10	2.20E-11	2.83E-10
369	437153	3725017	2.38E-09	5.18E-10	2.90E-09	4.71E-10	6.51E-11	5.36E-10	2.53E-09	3.02E-10	2.83E-09	2.61E-10	2.21E-11	2.83E-10
370	437157.1	3725008	2.38E-09	5.18E-10	2.90E-09	4.71E-10	6.51E-11	5.36E-10	2.53E-09	3.02E-10	2.83E-09	2.61E-10	2.21E-11	2.83E-10
371	437161.1	3725000	2.38E-09	5.17E-10	2.90E-09	4.70E-10	6.50E-11	5.35E-10	2.53E-09	3.02E-10	2.83E-09	2.61E-10	2.20E-11	2.83E-10
372	437197.5	3724924	2.21E-09	4.81E-10	2.70E-09	4.37E-10	6.04E-11	4.98E-10	2.35E-09	2.80E-10	2.63E-09	2.42E-10	2.05E-11	2.63E-10
373	437201.6	3724915	2.19E-09	4.75E-10	2.66E-09	4.32E-10	5.97E-11	4.91E-10	2.32E-09	2.77E-10	2.60E-09	2.39E-10	2.02E-11	2.59E-10
374	437205.6	3724907	2.16E-09	4.70E-10	2.63E-09	4.27E-10	5.90E-11	4.86E-10	2.30E-09	2.74E-10	2.57E-09	2.36E-10	2.00E-11	2.56E-10
375	437209.7	3724898	2.13E-09	4.63E-10	2.60E-09	4.21E-10	5.82E-11	4.79E-10	2.27E-09	2.70E-10	2.54E-09	2.33E-10	1.97E-11	2.53E-10
376	437115.6	3725473	2.42E-09	5.25E-10	2.94E-09	4.77E-10	6.59E-11	5.43E-10	2.57E-09	3.06E-10	2.87E-09	2.64E-10	2.23E-11	2.87E-10

377	437112.5	3725464	2.40E-09	5.21E-10	2.92E-09	4.73E-10	6.54E-11	5.39E-10	2.55E-09	3.03E-10	2.85E-09	2.62E-10	2.22E-11	2.84E-10
378	437109.4	3725455	2.38E-09	5.16E-10	2.89E-09	4.69E-10	6.48E-11	5.34E-10	2.52E-09	3.01E-10	2.83E-09	2.60E-10	2.20E-11	2.82E-10
379	437106.3	3725447	2.36E-09	5.12E-10	2.87E-09	4.66E-10	6.43E-11	5.30E-10	2.50E-09	2.99E-10	2.80E-09	2.58E-10	2.18E-11	2.80E-10
380	437103.2	3725438	2.34E-09	5.09E-10	2.85E-09	4.63E-10	6.39E-11	5.27E-10	2.49E-09	2.97E-10	2.79E-09	2.56E-10	2.17E-11	2.78E-10
381	437100.1	3725429	2.33E-09	5.06E-10	2.83E-09	4.60E-10	6.35E-11	5.23E-10	2.47E-09	2.95E-10	2.77E-09	2.55E-10	2.15E-11	2.76E-10
382	437097	3725420	2.31E-09	5.02E-10	2.81E-09	4.57E-10	6.31E-11	5.20E-10	2.46E-09	2.93E-10	2.75E-09	2.53E-10	2.14E-11	2.74E-10
383	437093.9	3725412	2.29E-09	4.98E-10	2.79E-09	4.53E-10	6.26E-11	5.15E-10	2.44E-09	2.90E-10	2.73E-09	2.51E-10	2.12E-11	2.72E-10
384	437081.6	3725377	2.20E-09	4.79E-10	2.68E-09	4.35E-10	6.01E-11	4.95E-10	2.34E-09	2.79E-10	2.62E-09	2.41E-10	2.04E-11	2.61E-10
385	437078.5	3725368	2.18E-09	4.73E-10	2.65E-09	4.30E-10	5.94E-11	4.90E-10	2.31E-09	2.76E-10	2.59E-09	2.38E-10	2.02E-11	2.59E-10
386	437075.4	3725359	2.15E-09	4.68E-10	2.62E-09	4.25E-10	5.87E-11	4.84E-10	2.29E-09	2.73E-10	2.56E-09	2.35E-10	1.99E-11	2.55E-10
387	437072.3	3725350	2.13E-09	4.63E-10	2.59E-09	4.21E-10	5.81E-11	4.79E-10	2.26E-09	2.70E-10	2.53E-09	2.33E-10	1.97E-11	2.53E-10
388	437069.2	3725342	2.11E-09	4.58E-10	2.57E-09	4.16E-10	5.75E-11	4.74E-10	2.24E-09	2.67E-10	2.51E-09	2.31E-10	1.95E-11	2.50E-10
389	437066.1	3725333	2.08E-09	4.52E-10	2.54E-09	4.11E-10	5.68E-11	4.68E-10	2.21E-09	2.64E-10	2.48E-09	2.28E-10	1.93E-11	2.47E-10
390	437063	3725324	2.06E-09	4.47E-10	2.51E-09	4.07E-10	5.62E-11	4.63E-10	2.19E-09	2.61E-10	2.45E-09	2.25E-10	1.90E-11	2.44E-10
391	437060	3725315	2.03E-09	4.42E-10	2.48E-09	4.02E-10	5.55E-11	4.57E-10	2.16E-09	2.58E-10	2.42E-09	2.23E-10	1.88E-11	2.41E-10
392	437056.9	3725307	2.01E-09	4.37E-10	2.45E-09	3.97E-10	5.49E-11	4.52E-10	2.14E-09	2.55E-10	2.39E-09	2.20E-10	1.86E-11	2.39E-10
393	437053.8	3725298	1.99E-09	4.32E-10	2.42E-09	3.92E-10	5.42E-11	4.47E-10	2.11E-09	2.52E-10	2.36E-09	2.17E-10	1.84E-11	2.36E-10
394	437050.7	3725289	1.96E-09	4.27E-10	2.39E-09	3.88E-10	5.36E-11	4.41E-10	2.09E-09	2.49E-10	2.33E-09	2.15E-10	1.82E-11	2.33E-10
395	437047.6	3725280	1.94E-09	4.22E-10	2.36E-09	3.83E-10	5.29E-11	4.36E-10	2.06E-09	2.46E-10	2.31E-09	2.12E-10	1.79E-11	2.30E-10
396	437044.5	3725272	1.92E-09	4.17E-10	2.33E-09	3.79E-10	5.23E-11	4.31E-10	2.04E-09	2.43E-10	2.28E-09	2.10E-10	1.77E-11	2.28E-10
397	437041.4	3725263	1.89E-09	4.12E-10	2.31E-09	3.74E-10	5.17E-11	4.26E-10	2.01E-09	2.40E-10	2.25E-09	2.07E-10	1.75E-11	2.25E-10
398	437032.1	3725237	1.83E-09	3.97E-10	2.22E-09	3.61E-10	4.99E-11	4.11E-10	1.94E-09	2.31E-10	2.17E-09	2.00E-10	1.69E-11	2.17E-10
399	437029.1	3725228	1.81E-09	3.92E-10	2.20E-09	3.57E-10	4.93E-11	4.06E-10	1.92E-09	2.29E-10	2.15E-09	1.98E-10	1.67E-11	2.14E-10
400	437030	3725211	1.80E-09	3.92E-10	2.20E-09	3.56E-10	4.92E-11	4.05E-10	1.92E-09	2.28E-10	2.14E-09	1.97E-10	1.67E-11	2.14E-10
401	437033.9	3725202	1.82E-09	3.96E-10	2.22E-09	3.60E-10	4.97E-11	4.10E-10	1.94E-09	2.31E-10	2.17E-09	1.99E-10	1.69E-11	2.16E-10
402	437037.9	3725194	1.84E-09	4.00E-10	2.24E-09	3.64E-10	5.02E-11	4.14E-10	1.96E-09	2.33E-10	2.19E-09	2.01E-10	1.70E-11	2.18E-10
403	437041.9	3725186	1.86E-09	4.04E-10	2.27E-09	3.68E-10	5.08E-11	4.18E-10	1.98E-09	2.36E-10	2.21E-09	2.04E-10	1.72E-11	2.21E-10
404	437045.9	3725177	1.88E-09	4.08E-10	2.29E-09	3.71E-10	5.13E-11	4.23E-10	2.00E-09	2.38E-10	2.23E-09	2.06E-10	1.74E-11	2.23E-10
405	437085.8	3725093	2.06E-09	4.48E-10	2.51E-09	4.08E-10	5.63E-11	4.64E-10	2.19E-09	2.61E-10	2.45E-09	2.26E-10	1.91E-11	2.45E-10
406	437089.8	3725085	2.08E-09	4.52E-10	2.53E-09	4.11E-10	5.68E-11	4.68E-10	2.21E-09	2.63E-10	2.47E-09	2.28E-10	1.92E-11	2.47E-10
407	437093.8	3725077	2.10E-09	4.55E-10	2.55E-09	4.14E-10	5.72E-11	4.71E-10	2.23E-09	2.65E-10	2.49E-09	2.29E-10	1.94E-11	2.49E-10
408	437097.8	3725068	2.11E-09	4.58E-10	2.57E-09	4.17E-10	5.76E-11	4.74E-10	2.24E-09	2.67E-10	2.51E-09	2.31E-10	1.95E-11	2.50E-10
409	437101.8	3725060	2.12E-09	4.61E-10	2.58E-09	4.19E-10	5.79E-11	4.77E-10	2.26E-09	2.69E-10	2.52E-09	2.32E-10	1.96E-11	2.52E-10
410	437105.8	3725052	2.13E-09	4.64E-10	2.60E-09	4.22E-10	5.82E-11	4.80E-10	2.27E-09	2.70E-10	2.54E-09	2.34E-10	1.97E-11	2.53E-10
411	437109.8	3725043	2.15E-09	4.66E-10	2.61E-09	4.24E-10	5.85E-11	4.82E-10	2.28E-09	2.72E-10	2.55E-09	2.35E-10	1.98E-11	2.55E-10
412	437113.8	3725035	2.15E-09	4.68E-10	2.62E-09	4.25E-10	5.88E-11	4.84E-10	2.29E-09	2.73E-10	2.56E-09	2.36E-10	1.99E-11	2.56E-10
413	437117.8	3725026	2.16E-09	4.70E-10	2.63E-09	4.27E-10	5.90E-11	4.86E-10	2.30E-09	2.74E-10	2.57E-09	2.36E-10	2.00E-11	2.56E-10
414	437121.8	3725018	2.17E-09	4.71E-10	2.64E-09	4.28E-10	5.91E-11	4.87E-10	2.30E-09	2.74E-10	2.58E-09	2.37E-10	2.00E-11	2.57E-10
415	437125.8	3725010	2.17E-09	4.72E-10	2.64E-09	4.29E-10	5.92E-11	4.88E-10	2.31E-09	2.75E-10	2.58E-09	2.38E-10	2.01E-11	2.58E-10
416	437129.8	3725001	2.17E-09	4.72E-10	2.65E-09	4.29E-10	5.93E-11	4.89E-10	2.31E-09	2.75E-10	2.58E-09	2.38E-10	2.01E-11	2.58E-10
417	437133.7	3724993	2.17E-09	4.72E-10	2.65E-09	4.29E-10	5.93E-11	4.89E-10	2.31E-09	2.75E-10	2.58E-09	2.38E-10	2.01E-11	2.58E-10
418	437137.7	3724985	2.17E-09	4.72E-10	2.64E-09	4.29E-10	5.92E-11	4.88E-10	2.31E-09	2.75E-10	2.58E-09	2.38E-10	2.01E-11	2.58E-10
419	437141.7	3724976	2.17E-09	4.71E-10	2.64E-09	4.28E-10	5.91E-11	4.87E-10	2.30E-09	2.74E-10	2.58E-09	2.37E-10	2.00E-11	2.57E-10
420	437145.7	3724968	2.16E-09	4.70E-10	2.63E-09	4.27E-10	5.90E-11	4.86E-10	2.30E-09	2.74E-10	2.57E-09	2.36E-10	2.00E-11	2.56E-10
421	437177.7	3724901	2.04E-09	4.42E-10	2.48E-09	4.02E-10	5.55E-11	4.58E-10	2.16E-09	2.58E-10	2.42E-09	2.23E-10	1.88E-11	2.41E-10
422	437181.7	3724892	2.01E-09	4.37E-10	2.45E-09	3.97E-10	5.49E-11	4.52E-10	2.14E-09	2.55E-10	2.39E-09	2.20E-10	1.86E-11	2.39E-10
423	437185.6	3724884	1.98E-09	4.31E-10	2.41E-09	3.92E-10	5.41E-11	4.46E-10	2.11E-09	2.51E-10	2.36E-09	2.17E-10	1.83E-11	2.35E-10
424	437189.6	3724876	1.95E-09	4.25E-10	2.38E-09	3.86E-10	5.33E-11	4.39E-10	2.08E-09	2.47E-10	2.32E-09	2.14E-10	1.81E-11	2.32E-10
425	437086.6	3725474	2.16E-09	4.69E-10	2.63E-09	4.26E-10	5.88E-11	4.85E-10	2.29E-09	2.73E-10	2.56E-09	2.36E-10	1.99E-11	2.56E-10
426	437083.5	3725465	2.14E-09	4.65E-10	2.61E-09	4.23E-10	5.85E-11	4.82E-10	2.28E-09	2.71E-10	2.55E-09	2.34E-10	1.98E-11	2.54E-10
427	437080.3	3725456	2.13E-09	4.63E-10	2.59E-09	4.21E-10	5.81E-11	4.79E-10	2.26E-09	2.70E-10	2.53E-09	2.33E-10	1.97E-11	2.53E-10
428	437077.2	3725447	2.11E-09	4.59E-10	2.57E-09	4.18E-10	5.77E-11	4.75E-10	2.25E-09	2.68E-10	2.51E-09	2.31E-10	1.96E-11	2.51E-10
429	437074.1	3725439	2.10E-09	4.55E-10	2.55E-09	4.14E-10	5.72E-11	4.71E-10	2.23E-09	2.65E-10	2.49E-09	2.29E-10	1.94E-11	2.49E-10
430	437071	3725430	2.08E-09	4.51E-10	2.53E-09	4.10E-10	5.67E-11	4.67E-10	2.21E-09	2.63E-10	2.47E-09	2.27E-10	1.92E-11	2.46E-10
431	437067.8	3725421	2.06E-09	4.47E-10	2.50E-09	4.06E-10	5.61E-11	4.62E-10	2.18E-09	2.60E-10	2.45E-09	2.25E-10	1.90E-11	2.44E-10
432	437064.7	3725412	2.04E-09	4.43E-10	2.48E-09	4.03E-10	5.56E-11	4.58E-10	2.16E-09	2.58E-10	2.42E-09	2.23E-10	1.88E-11	2.42E-10
433	437055.3	3725386	1.98E-09	4.30E-10	2.41E-09	3.91E-10	5.40E-11	4.45E-10	2.10E-09	2.51E-10	2.35E-09	2.17E-10	1.83E-11	2.35E-10
434	437052.2	3725377	1.96E-09	4.26E-10	2.39E-09	3.87E-10	5.35E-11	4.41E-10	2.08E-09	2.48E-10	2.33E-09	2.15E-10	1.81E-11	2.33E-10
435	437049.1	3725368	1.94E-09	4.22E-10	2.36E-09	3.84E-10	5.30E-11	4.37E-10	2.06E-09	2.46E-10	2.31E-09	2.13E-10	1.80E-11	2.30E-10
436	437046	3725359	1.93E-09	4.18E-10	2.34E-09	3.80E-10	5.25E-11	4.33E-10	2.05E-09	2.44E-10	2.29E-09	2.11E-10	1.78E-11	2.28E-10
437	437042.9	3725350	1.91E-09	4.15E-10	2.32E-09	3.77E-10	5.21E-11	4.29E-10	2.03E-09	2.42E-10	2.27E-09	2.09E-10	1.76E-11	2.26E-10
438	437039.7	3725341	1.89E-09	4.11E-10	2.30E-09	3.73E-10	5.16E-11	4.25E-10	2.01E-09	2.39E-10	2.25E-09	2.07E-10	1.75E-11	2.24E-10
439	437036.6	3725333	1.87E-09	4.07E-10	2.28E-09	3.70E-10	5.11E-11	4.21E-10	1.99E-09	2.37E-10	2.23E-09	2.05E-10	1.73E-11	2.22E-10
440	437024.1	3725297	1.80E-09	3.91E-10	2.19E-09	3.56E-10	4.92E-11	4.05E-10	1.91E-09	2.28E-10	2.14E-09	1.97E-10	1.67E-11	2.14E-10
441	437021	3725288	1.78E-09	3.87E-10	2.17E-09	3.52E-10	4.86E-11	4.01E-10	1.89E-09	2.26E-10	2.12E-09	1.95E-10	1.65E-11	2.11E-10
442	437017.9	3725279	1.76E-09	3.83E-10	2.15E-09	3.48E-10	4.81E-11	3.96E-10	1.87E-09	2.23E-10	2.09E-09	1.93E-10	1.63E-11	2.09E-10
443	437014.7	3725271	1.74E-09	3.79E-10	2.12E-09	3.44E-10	4.76E-11	3.92E-10	1.85E-09	2.21E-10	2.07E-09	1.91E-10	1.61E-11	2.07E-10
444	437011.6	3725262	1.72E-09	3.74E-10	2.10E-09	3.40E-10	4.70E-11	3.87E-10	1.83E-09	2.18E-10	2.05E-09	1.88E-10	1.59E-11	2.04E-10
445	437002.2	3725235	1.66E-09	3.61E-10	2.03E-09	3.29E-10	4.54E-11	3.74E-10	1.77E-09	2.11E-10	1.98E-09	1.82E-10	1.54E-11	1.97E-10
446	436999.1	3725226	1.65E-09	3.58E-10	2.00E-09	3.25E-10	4.49E-11	3.70E-10	1.75E-09	2.09E-10	1.96E-09	1.80E-10	1.52E-11	1.95E-10
447	437000	3725209	1.65E-09	3.57E-10	2.00E-09	3.25E-10	4.49E-11	3.70E-10	1.75E-09	2.08E-10	1.96E-09	1.80E-10	1.52E-11	1.95E-10
448	437004.1	3725201	1.66E-09	3.61E-10	2.02E-09	3.28E-10	4.53E-11	3.74E-10	1.77E-09	2.10E-10	1.98E-09	1.82E-10	1.54E-11	1.97E-10
449	437008.1	3725192	1.68E-09	3.65E-10	2.04E-09	3.32E-10	4.58E-11	3.77E-10	1.78E-09	2.13E-10	2.00E-09	1.84E-10	1.55E-11	1.99E-10
450	437012.1	3725184	1.70E-09	3.68E-10	2.06E-09	3.35E-10	4.63E-11	3.81E-10	1.80E-09	2.15E-10	2.02E-09	1.85E-10	1.57E-11	2.01E-10
451	437048.5	3725107	1.83E-09	3.98E-10	2.23E-09	3.61E-10	4.99E-11	4.11E-10	1.94E-09	2.32E-10	2.18E-09	2.00E-10	1.69E-11	2.17E-10
452	437052.5	3725099	1.85E-09	4.01E-10	2.25E-09	3.64E-10	5.03E-11	4.15E-10	1.96E-09	2.34E-10	2.19E-09	2.02E-10	1.71E-11	2.19E-10

453	437056.5	3725091	1.86E-09	4.04E-10	2.27E-09	3.68E-10	5.08E-11	4.18E-10	1.98E-09	2.36E-10	2.21E-09	2.04E-10	1.72E-11	2.21E-10
454	437060.6	3725082	1.89E-09	4.10E-10	2.30E-09	3.73E-10	5.15E-11	4.24E-10	2.00E-09	2.39E-10	2.24E-09	2.06E-10	1.74E-11	2.24E-10
455	437064.6	3725074	1.90E-09	4.14E-10	2.32E-09	3.76E-10	5.20E-11	4.28E-10	2.02E-09	2.41E-10	2.26E-09	2.08E-10	1.76E-11	2.26E-10
456	437068.6	3725065	1.92E-09	4.17E-10	2.33E-09	3.79E-10	5.23E-11	4.31E-10	2.04E-09	2.43E-10	2.28E-09	2.10E-10	1.77E-11	2.28E-10
457	437072.7	3725057	1.93E-09	4.20E-10	2.35E-09	3.81E-10	5.27E-11	4.34E-10	2.05E-09	2.45E-10	2.30E-09	2.11E-10	1.79E-11	2.29E-10
458	437076.7	3725048	1.94E-09	4.22E-10	2.37E-09	3.84E-10	5.30E-11	4.37E-10	2.06E-09	2.46E-10	2.31E-09	2.13E-10	1.80E-11	2.31E-10
459	437080.7	3725040	1.95E-09	4.25E-10	2.38E-09	3.86E-10	5.33E-11	4.39E-10	2.08E-09	2.47E-10	2.32E-09	2.14E-10	1.81E-11	2.32E-10
460	437084.8	3725031	1.96E-09	4.27E-10	2.39E-09	3.88E-10	5.36E-11	4.42E-10	2.09E-09	2.49E-10	2.34E-09	2.15E-10	1.82E-11	2.33E-10
461	437088.8	3725023	1.97E-09	4.29E-10	2.40E-09	3.90E-10	5.38E-11	4.43E-10	2.10E-09	2.50E-10	2.35E-09	2.16E-10	1.82E-11	2.34E-10
462	437092.8	3725014	1.98E-09	4.30E-10	2.41E-09	3.91E-10	5.40E-11	4.45E-10	2.10E-09	2.51E-10	2.35E-09	2.17E-10	1.83E-11	2.35E-10
463	437096.9	3725006	1.99E-09	4.31E-10	2.42E-09	3.92E-10	5.42E-11	4.46E-10	2.11E-09	2.51E-10	2.36E-09	2.17E-10	1.84E-11	2.36E-10
464	437100.9	3724997	1.99E-09	4.32E-10	2.42E-09	3.93E-10	5.43E-11	4.47E-10	2.11E-09	2.52E-10	2.36E-09	2.18E-10	1.84E-11	2.36E-10
465	437104.9	3724989	1.99E-09	4.33E-10	2.42E-09	3.93E-10	5.43E-11	4.48E-10	2.11E-09	2.52E-10	2.37E-09	2.18E-10	1.84E-11	2.36E-10
466	437109	3724980	1.99E-09	4.33E-10	2.42E-09	3.93E-10	5.43E-11	4.48E-10	2.12E-09	2.52E-10	2.37E-09	2.18E-10	1.84E-11	2.36E-10
467	437113	3724972	1.99E-09	4.32E-10	2.42E-09	3.93E-10	5.43E-11	4.47E-10	2.11E-09	2.52E-10	2.37E-09	2.18E-10	1.84E-11	2.36E-10
468	437117	3724964	1.99E-09	4.32E-10	2.42E-09	3.92E-10	5.42E-11	4.47E-10	2.11E-09	2.52E-10	2.36E-09	2.17E-10	1.84E-11	2.36E-10
469	437121.1	3724955	1.98E-09	4.31E-10	2.41E-09	3.91E-10	5.41E-11	4.46E-10	2.11E-09	2.51E-10	2.36E-09	2.17E-10	1.83E-11	2.35E-10
470	437125.1	3724947	1.98E-09	4.29E-10	2.41E-09	3.90E-10	5.39E-11	4.44E-10	2.10E-09	2.50E-10	2.35E-09	2.16E-10	1.83E-11	2.34E-10
471	437129.2	3724938	1.97E-09	4.28E-10	2.40E-09	3.89E-10	5.37E-11	4.42E-10	2.09E-09	2.49E-10	2.34E-09	2.15E-10	1.82E-11	2.33E-10
472	437161.4	3724870	1.84E-09	3.99E-10	2.24E-09	3.63E-10	5.01E-11	4.13E-10	1.95E-09	2.33E-10	2.18E-09	2.01E-10	1.70E-11	2.18E-10
473	437165.5	3724862	1.81E-09	3.94E-10	2.21E-09	3.58E-10	4.95E-11	4.08E-10	1.93E-09	2.30E-10	2.16E-09	1.98E-10	1.68E-11	2.15E-10
474	437169.5	3724853	1.79E-09	3.89E-10	2.18E-09	3.53E-10	4.88E-11	4.02E-10	1.90E-09	2.26E-10	2.13E-09	1.96E-10	1.65E-11	2.12E-10
475	437003.1	3725321	1.67E-09	3.62E-10	2.03E-09	3.29E-10	4.55E-11	3.75E-10	1.77E-09	2.11E-10	1.98E-09	1.82E-10	1.54E-11	1.98E-10
476	437000	3725312	1.65E-09	3.59E-10	2.01E-09	3.26E-10	4.51E-11	3.71E-10	1.76E-09	2.09E-10	1.96E-09	1.81E-10	1.53E-11	1.96E-10
477	436996.9	3725303	1.64E-09	3.56E-10	1.99E-09	3.23E-10	4.47E-11	3.68E-10	1.74E-09	2.07E-10	1.95E-09	1.79E-10	1.51E-11	1.94E-10
478	436993.8	3725295	1.62E-09	3.52E-10	1.97E-09	3.20E-10	4.42E-11	3.64E-10	1.72E-09	2.05E-10	1.93E-09	1.77E-10	1.50E-11	1.92E-10
479	436990.7	3725286	1.61E-09	3.49E-10	1.95E-09	3.17E-10	4.38E-11	3.61E-10	1.71E-09	2.03E-10	1.91E-09	1.76E-10	1.48E-11	1.90E-10
480	436987.6	3725277	1.59E-09	3.45E-10	1.93E-09	3.14E-10	4.34E-11	3.57E-10	1.69E-09	2.01E-10	1.89E-09	1.74E-10	1.47E-11	1.89E-10
481	436984.6	3725268	1.57E-09	3.41E-10	1.91E-09	3.10E-10	4.29E-11	3.53E-10	1.67E-09	1.99E-10	1.87E-09	1.72E-10	1.45E-11	1.86E-10
482	436972.2	3725233	1.51E-09	3.27E-10	1.83E-09	2.97E-10	4.11E-11	3.38E-10	1.60E-09	1.91E-10	1.79E-09	1.65E-10	1.39E-11	1.79E-10
483	436969.1	3725225	1.50E-09	3.25E-10	1.82E-09	2.95E-10	4.08E-11	3.36E-10	1.59E-09	1.89E-10	1.78E-09	1.64E-10	1.38E-11	1.77E-10
484	436970	3725208	1.51E-09	3.28E-10	1.84E-09	2.98E-10	4.12E-11	3.40E-10	1.60E-09	1.91E-10	1.80E-09	1.65E-10	1.40E-11	1.79E-10
485	436974	3725199	1.52E-09	3.31E-10	1.86E-09	3.01E-10	4.16E-11	3.43E-10	1.62E-09	1.93E-10	1.81E-09	1.67E-10	1.41E-11	1.81E-10
486	436978	3725191	1.54E-09	3.34E-10	1.87E-09	3.04E-10	4.20E-11	3.46E-10	1.63E-09	1.95E-10	1.83E-09	1.68E-10	1.42E-11	1.83E-10
487	436982	3725183	1.55E-09	3.37E-10	1.89E-09	3.07E-10	4.24E-11	3.49E-10	1.65E-09	1.97E-10	1.85E-09	1.70E-10	1.44E-11	1.84E-10
488	437009.9	3725124	1.62E-09	3.53E-10	1.98E-09	3.21E-10	4.43E-11	3.65E-10	1.72E-09	2.06E-10	1.93E-09	1.78E-10	1.50E-11	1.93E-10
489	437013.9	3725116	1.63E-09	3.54E-10	1.98E-09	3.22E-10	4.45E-11	3.66E-10	1.73E-09	2.06E-10	1.94E-09	1.78E-10	1.51E-11	1.93E-10
490	437017.9	3725107	1.64E-09	3.56E-10	2.00E-09	3.24E-10	4.47E-11	3.68E-10	1.74E-09	2.08E-10	1.95E-09	1.79E-10	1.52E-11	1.94E-10
491	437021.9	3725099	1.65E-09	3.59E-10	2.01E-09	3.26E-10	4.50E-11	3.71E-10	1.75E-09	2.09E-10	1.96E-09	1.81E-10	1.53E-11	1.96E-10
492	437025.9	3725090	1.66E-09	3.61E-10	2.03E-09	3.29E-10	4.54E-11	3.74E-10	1.77E-09	2.11E-10	1.98E-09	1.82E-10	1.54E-11	1.97E-10
493	437029.8	3725082	1.68E-09	3.65E-10	2.04E-09	3.32E-10	4.58E-11	3.78E-10	1.78E-09	2.13E-10	2.00E-09	1.84E-10	1.55E-11	1.99E-10
494	437033.8	3725074	1.70E-09	3.69E-10	2.07E-09	3.36E-10	4.64E-11	3.82E-10	1.81E-09	2.15E-10	2.02E-09	1.86E-10	1.57E-11	2.02E-10
495	437037.8	3725065	1.72E-09	3.74E-10	2.10E-09	3.40E-10	4.70E-11	3.87E-10	1.83E-09	2.18E-10	2.05E-09	1.88E-10	1.59E-11	2.04E-10
496	437041.8	3725057	1.74E-09	3.79E-10	2.12E-09	3.44E-10	4.75E-11	3.92E-10	1.85E-09	2.21E-10	2.07E-09	1.91E-10	1.61E-11	2.07E-10
497	437045.8	3725049	1.77E-09	3.84E-10	2.15E-09	3.49E-10	4.83E-11	3.98E-10	1.88E-09	2.24E-10	2.10E-09	1.94E-10	1.64E-11	2.10E-10
498	437049.8	3725040	1.78E-09	3.88E-10	2.17E-09	3.53E-10	4.87E-11	4.01E-10	1.90E-09	2.26E-10	2.12E-09	1.95E-10	1.65E-11	2.12E-10
499	437053.8	3725032	1.79E-09	3.90E-10	2.18E-09	3.55E-10	4.90E-11	4.03E-10	1.91E-09	2.27E-10	2.13E-09	1.96E-10	1.66E-11	2.13E-10
500	437057.7	3725024	1.80E-09	3.92E-10	2.20E-09	3.56E-10	4.92E-11	4.06E-10	1.92E-09	2.28E-10	2.15E-09	1.97E-10	1.67E-11	2.14E-10
501	437061.7	3725015	1.81E-09	3.94E-10	2.21E-09	3.58E-10	4.95E-11	4.07E-10	1.93E-09	2.30E-10	2.15E-09	1.98E-10	1.68E-11	2.15E-10
502	437065.7	3725007	1.82E-09	3.95E-10	2.21E-09	3.59E-10	4.96E-11	4.09E-10	1.93E-09	2.30E-10	2.16E-09	1.99E-10	1.68E-11	2.16E-10
503	437069.7	3724998	1.82E-09	3.96E-10	2.22E-09	3.60E-10	4.98E-11	4.10E-10	1.94E-09	2.31E-10	2.17E-09	2.00E-10	1.69E-11	2.16E-10
504	437073.7	3724990	1.83E-09	3.97E-10	2.23E-09	3.61E-10	4.99E-11	4.11E-10	1.94E-09	2.32E-10	2.17E-09	2.00E-10	1.69E-11	2.17E-10
505	437077.7	3724982	1.83E-09	3.98E-10	2.23E-09	3.62E-10	5.00E-11	4.12E-10	1.95E-09	2.32E-10	2.18E-09	2.00E-10	1.69E-11	2.17E-10
506	437081.7	3724973	1.83E-09	3.98E-10	2.23E-09	3.62E-10	5.00E-11	4.12E-10	1.95E-09	2.32E-10	2.18E-09	2.01E-10	1.70E-11	2.18E-10
507	437085.7	3724965	1.83E-09	3.98E-10	2.23E-09	3.62E-10	5.00E-11	4.12E-10	1.95E-09	2.32E-10	2.18E-09	2.01E-10	1.70E-11	2.18E-10
508	437089.6	3724957	1.83E-09	3.98E-10	2.23E-09	3.62E-10	5.00E-11	4.12E-10	1.95E-09	2.32E-10	2.18E-09	2.01E-10	1.70E-11	2.17E-10
509	437093.6	3724948	1.83E-09	3.98E-10	2.23E-09	3.62E-10	5.00E-11	4.12E-10	1.94E-09	2.32E-10	2.18E-09	2.00E-10	1.69E-11	2.17E-10
510	437097.6	3724940	1.83E-09	3.97E-10	2.22E-09	3.61E-10	4.98E-11	4.11E-10	1.94E-09	2.31E-10	2.17E-09	2.00E-10	1.69E-11	2.17E-10
511	437101.6	3724932	1.82E-09	3.96E-10	2.22E-09	3.60E-10	4.97E-11	4.09E-10	1.93E-09	2.31E-10	2.17E-09	1.99E-10	1.68E-11	2.16E-10
512	437105.6	3724923	1.81E-09	3.94E-10	2.21E-09	3.58E-10	4.95E-11	4.08E-10	1.93E-09	2.30E-10	2.16E-09	1.98E-10	1.68E-11	2.15E-10
513	437109.6	3724915	1.81E-09	3.92E-10	2.20E-09	3.57E-10	4.93E-11	4.06E-10	1.92E-09	2.29E-10	2.15E-09	1.98E-10	1.67E-11	2.14E-10
514	437137.5	3724856	1.71E-09	3.70E-10	2.08E-09	3.37E-10	4.65E-11	3.83E-10	1.81E-09	2.16E-10	2.03E-09	1.87E-10	1.58E-11	2.02E-10
515	437141.5	3724848	1.69E-09	3.66E-10	2.05E-09	3.33E-10	4.60E-11	3.79E-10	1.79E-09	2.13E-10	2.00E-09	1.84E-10	1.56E-11	2.00E-10
516	437145.5	3724839	1.66E-09	3.62E-10	2.03E-09	3.29E-10	4.54E-11	3.74E-10	1.77E-09	2.11E-10	1.98E-09	1.82E-10	1.54E-11	1.98E-10
517	437149.5	3724831	1.64E-09	3.57E-10	2.00E-09	3.24E-10	4.48E-11	3.69E-10	1.75E-09	2.08E-10	1.95E-09	1.80E-10	1.52E-11	1.95E-10
518	437032.7	3725488	1.78E-09	3.87E-10	2.17E-09	3.52E-10	4.86E-11	4.01E-10	1.89E-09	2.26E-10	2.12E-09	1.95E-10	1.65E-11	2.11E-10
519	437029.6	3725479	1.77E-09	3.84E-10	2.15E-09	3.49E-10	4.82E-11	3.97E-10	1.88E-09	2.24E-10	2.10E-09	1.93E-10	1.63E-11	2.10E-10
520	437026.5	3725470	1.75E-09	3.81E-10	2.13E-09	3.46E-10	4.78E-11	3.94E-10	1.86E-09	2.22E-10	2.08E-09	1.92E-10	1.62E-11	2.08E-10
521	437023.3	3725461	1.74E-09	3.77E-10	2.11E-09	3.43E-10	4.73E-11	3.90E-10	1.84E-09	2.20E-10	2.06E-09	1.90E-10	1.60E-11	2.06E-10
522	437020.2	3725453	1.72E-09	3.74E-10	2.09E-09	3.40E-10	4.69E-11	3.87E-10	1.83E-09	2.18E-10	2.04E-09	1.88E-10	1.59E-11	2.04E-10
523	437017.1	3725444	1.70E-09	3.70E-10	2.07E-09	3.37E-10	4.65E-11	3.83E-10	1.81E-09	2.16E-10	2.03E-09	1.86E-10	1.58E-11	2.02E-10
524	437014	3725435	1.69E-09	3.67E-10	2.06E-09	3.34E-10	4.61E-11	3.80E-10	1.80E-09	2.14E-10	2.01E-09	1.85E-10	1.56E-11	2.01E-10
525	437010.9	3725426	1.68E-09	3.64E-10	2.04E-09	3.31E-10	4.57E-11	3.77E-10	1.78E-09	2.12E-10	1.99E-09	1.83E-10	1.55E-11	1.99E-10
526	436998.4	3725391	1.62E-09	3.52E-10	1.97E-09	3.20E-10	4.42E-11	3.65E-10	1.72E-09	2.05E-10	1.93E-09	1.77E-10	1.50E-11	1.92E-10
527	436995.3	3725382	1.61E-09	3.49E-10	1.96E-09	3.18E-10	4.39E-11	3.62E-10	1.71E-09	2.04E-10	1.91E-09	1.76E-10	1.49E-11	1.91E-10
528	436992.2	3725373	1.59E-09	3.46E-10	1.94E-09	3.15E-10	4.35E-11	3.58E-10	1.69E-09	2.02E-10	1.90E-09	1.74E-10	1.47E-11	1.89E-10

529	436989.1	3725364	1.58E-09	3.43E-10	1.92E-09	3.12E-10	4.31E-11	3.55E-10	1.68E-09	2.00E-10	1.88E-09	1.73E-10	1.46E-11	1.88E-10
530	436985.9	3725356	1.57E-09	3.41E-10	1.91E-09	3.10E-10	4.28E-11	3.52E-10	1.67E-09	1.98E-10	1.86E-09	1.71E-10	1.45E-11	1.86E-10
531	436982.8	3725347	1.55E-09	3.38E-10	1.89E-09	3.07E-10	4.24E-11	3.49E-10	1.65E-09	1.97E-10	1.85E-09	1.70E-10	1.44E-11	1.84E-10
532	436979.7	3725338	1.54E-09	3.35E-10	1.88E-09	3.05E-10	4.21E-11	3.47E-10	1.64E-09	1.95E-10	1.83E-09	1.69E-10	1.43E-11	1.83E-10
533	436976.6	3725329	1.53E-09	3.32E-10	1.86E-09	3.02E-10	4.17E-11	3.44E-10	1.62E-09	1.94E-10	1.82E-09	1.67E-10	1.41E-11	1.82E-10
534	436973.5	3725320	1.52E-09	3.30E-10	1.85E-09	3.00E-10	4.14E-11	3.41E-10	1.61E-09	1.92E-10	1.80E-09	1.66E-10	1.40E-11	1.80E-10
535	436970.4	3725311	1.50E-09	3.26E-10	1.83E-09	2.97E-10	4.10E-11	3.38E-10	1.60E-09	1.90E-10	1.79E-09	1.64E-10	1.39E-11	1.78E-10
536	436967.2	3725303	1.49E-09	3.23E-10	1.81E-09	2.94E-10	4.06E-11	3.34E-10	1.58E-09	1.88E-10	1.77E-09	1.63E-10	1.38E-11	1.76E-10
537	436964.1	3725294	1.47E-09	3.20E-10	1.79E-09	2.91E-10	4.01E-11	3.31E-10	1.56E-09	1.86E-10	1.75E-09	1.61E-10	1.36E-11	1.75E-10
538	436961	3725285	1.45E-09	3.16E-10	1.77E-09	2.87E-10	3.96E-11	3.27E-10	1.54E-09	1.84E-10	1.73E-09	1.59E-10	1.34E-11	1.72E-10
539	436957.9	3725276	1.44E-09	3.12E-10	1.75E-09	2.84E-10	3.92E-11	3.23E-10	1.52E-09	1.82E-10	1.71E-09	1.57E-10	1.33E-11	1.70E-10
540	436954.8	3725267	1.42E-09	3.08E-10	1.73E-09	2.80E-10	3.87E-11	3.19E-10	1.51E-09	1.80E-10	1.69E-09	1.55E-10	1.31E-11	1.68E-10
541	436945.4	3725241	1.38E-09	3.00E-10	1.68E-09	2.73E-10	3.77E-11	3.11E-10	1.47E-09	1.75E-10	1.64E-09	1.51E-10	1.28E-11	1.64E-10
542	436942.3	3725232	1.37E-09	2.98E-10	1.67E-09	2.71E-10	3.74E-11	3.08E-10	1.46E-09	1.74E-10	1.63E-09	1.50E-10	1.27E-11	1.63E-10
543	436939.2	3725223	1.36E-09	2.96E-10	1.66E-09	2.69E-10	3.72E-11	3.06E-10	1.45E-09	1.72E-10	1.62E-09	1.49E-10	1.26E-11	1.62E-10
544	436940.1	3725206	1.38E-09	2.99E-10	1.67E-09	2.72E-10	3.75E-11	3.09E-10	1.46E-09	1.74E-10	1.63E-09	1.50E-10	1.27E-11	1.63E-10
545	436944.1	3725198	1.39E-09	3.03E-10	1.70E-09	2.75E-10	3.80E-11	3.13E-10	1.48E-09	1.76E-10	1.66E-09	1.52E-10	1.29E-11	1.65E-10
546	436948.2	3725189	1.41E-09	3.07E-10	1.72E-09	2.79E-10	3.86E-11	3.18E-10	1.50E-09	1.79E-10	1.68E-09	1.55E-10	1.31E-11	1.68E-10
547	436952.2	3725181	1.43E-09	3.11E-10	1.74E-09	2.83E-10	3.91E-11	3.22E-10	1.52E-09	1.81E-10	1.70E-09	1.57E-10	1.32E-11	1.70E-10
548	436988.4	3725105	1.51E-09	3.27E-10	1.83E-09	2.98E-10	4.11E-11	3.39E-10	1.60E-09	1.91E-10	1.79E-09	1.65E-10	1.39E-11	1.79E-10
549	436992.4	3725096	1.51E-09	3.29E-10	1.84E-09	2.99E-10	4.13E-11	3.40E-10	1.61E-09	1.92E-10	1.80E-09	1.66E-10	1.40E-11	1.80E-10
550	436996.5	3725088	1.52E-09	3.31E-10	1.85E-09	3.01E-10	4.15E-11	3.42E-10	1.62E-09	1.93E-10	1.81E-09	1.67E-10	1.41E-11	1.81E-10
551	437000.5	3725079	1.53E-09	3.33E-10	1.87E-09	3.03E-10	4.19E-11	3.45E-10	1.63E-09	1.94E-10	1.82E-09	1.68E-10	1.42E-11	1.82E-10
552	437004.5	3725071	1.55E-09	3.37E-10	1.89E-09	3.06E-10	4.23E-11	3.48E-10	1.65E-09	1.96E-10	1.84E-09	1.69E-10	1.43E-11	1.84E-10
553	437008.5	3725062	1.57E-09	3.40E-10	1.91E-09	3.09E-10	4.27E-11	3.52E-10	1.66E-09	1.98E-10	1.86E-09	1.71E-10	1.45E-11	1.86E-10
554	437012.6	3725054	1.58E-09	3.44E-10	1.93E-09	3.13E-10	4.32E-11	3.56E-10	1.68E-09	2.00E-10	1.88E-09	1.73E-10	1.46E-11	1.88E-10
555	437016.6	3725045	1.61E-09	3.49E-10	1.95E-09	3.17E-10	4.38E-11	3.61E-10	1.71E-09	2.03E-10	1.91E-09	1.76E-10	1.49E-11	1.91E-10
556	437020.6	3725037	1.63E-09	3.54E-10	1.98E-09	3.22E-10	4.45E-11	3.66E-10	1.73E-09	2.06E-10	1.94E-09	1.78E-10	1.51E-11	1.93E-10
557	437024.7	3725029	1.65E-09	3.59E-10	2.01E-09	3.26E-10	4.51E-11	3.72E-10	1.76E-09	2.09E-10	1.97E-09	1.81E-10	1.53E-11	1.96E-10
558	437028.7	3725020	1.66E-09	3.61E-10	2.02E-09	3.28E-10	4.53E-11	3.73E-10	1.76E-09	2.10E-10	1.97E-09	1.82E-10	1.54E-11	1.97E-10
559	437032.7	3725012	1.67E-09	3.63E-10	2.03E-09	3.30E-10	4.55E-11	3.75E-10	1.77E-09	2.11E-10	1.98E-09	1.83E-10	1.54E-11	1.98E-10
560	437036.7	3725003	1.68E-09	3.64E-10	2.04E-09	3.31E-10	4.57E-11	3.77E-10	1.78E-09	2.12E-10	1.99E-09	1.83E-10	1.55E-11	1.99E-10
561	437040.8	3724995	1.68E-09	3.65E-10	2.05E-09	3.32E-10	4.59E-11	3.78E-10	1.79E-09	2.13E-10	2.00E-09	1.84E-10	1.56E-11	2.00E-10
562	437044.8	3724986	1.69E-09	3.66E-10	2.05E-09	3.33E-10	4.60E-11	3.79E-10	1.79E-09	2.14E-10	2.01E-09	1.85E-10	1.56E-11	2.00E-10
563	437048.8	3724978	1.69E-09	3.67E-10	2.06E-09	3.34E-10	4.61E-11	3.80E-10	1.80E-09	2.14E-10	2.01E-09	1.85E-10	1.56E-11	2.01E-10
564	437052.8	3724969	1.69E-09	3.68E-10	2.06E-09	3.34E-10	4.62E-11	3.81E-10	1.80E-09	2.14E-10	2.01E-09	1.85E-10	1.57E-11	2.01E-10
565	437056.9	3724961	1.70E-09	3.68E-10	2.06E-09	3.35E-10	4.62E-11	3.81E-10	1.80E-09	2.15E-10	2.02E-09	1.85E-10	1.57E-11	2.01E-10
566	437060.9	3724953	1.70E-09	3.69E-10	2.06E-09	3.35E-10	4.63E-11	3.81E-10	1.80E-09	2.15E-10	2.02E-09	1.86E-10	1.57E-11	2.01E-10
567	437064.9	3724944	1.70E-09	3.68E-10	2.06E-09	3.35E-10	4.63E-11	3.81E-10	1.80E-09	2.15E-10	2.02E-09	1.85E-10	1.57E-11	2.01E-10
568	437068.9	3724936	1.69E-09	3.68E-10	2.06E-09	3.35E-10	4.62E-11	3.81E-10	1.80E-09	2.15E-10	2.01E-09	1.85E-10	1.57E-11	2.01E-10
569	437073	3724927	1.69E-09	3.67E-10	2.06E-09	3.34E-10	4.61E-11	3.80E-10	1.80E-09	2.14E-10	2.01E-09	1.85E-10	1.56E-11	2.01E-10
570	437077	3724919	1.69E-09	3.66E-10	2.05E-09	3.33E-10	4.60E-11	3.79E-10	1.79E-09	2.14E-10	2.01E-09	1.85E-10	1.56E-11	2.00E-10
571	437081	3724910	1.68E-09	3.65E-10	2.05E-09	3.32E-10	4.59E-11	3.78E-10	1.79E-09	2.13E-10	2.00E-09	1.84E-10	1.56E-11	2.00E-10
572	437085	3724902	1.67E-09	3.64E-10	2.04E-09	3.31E-10	4.57E-11	3.77E-10	1.78E-09	2.12E-10	1.99E-09	1.83E-10	1.55E-11	1.99E-10
573	437089.1	3724893	1.67E-09	3.62E-10	2.03E-09	3.29E-10	4.55E-11	3.75E-10	1.77E-09	2.11E-10	1.98E-09	1.82E-10	1.54E-11	1.98E-10
574	437093.1	3724885	1.66E-09	3.60E-10	2.02E-09	3.27E-10	4.52E-11	3.73E-10	1.76E-09	2.10E-10	1.97E-09	1.81E-10	1.53E-11	1.97E-10
575	437117.2	3724834	1.57E-09	3.42E-10	1.91E-09	3.11E-10	4.29E-11	3.53E-10	1.67E-09	1.99E-10	1.87E-09	1.72E-10	1.45E-11	1.87E-10
576	437121.3	3724826	1.55E-09	3.38E-10	1.89E-09	3.07E-10	4.24E-11	3.50E-10	1.65E-09	1.97E-10	1.85E-09	1.70E-10	1.44E-11	1.84E-10
577	437125.3	3724817	1.54E-09	3.34E-10	1.87E-09	3.03E-10	4.19E-11	3.45E-10	1.63E-09	1.94E-10	1.83E-09	1.68E-10	1.42E-11	1.82E-10
578	437129.3	3724809	1.52E-09	3.29E-10	1.85E-09	2.99E-10	4.14E-11	3.41E-10	1.61E-09	1.92E-10	1.80E-09	1.66E-10	1.40E-11	1.80E-10
579	436993.2	3725487	1.56E-09	3.39E-10	1.90E-09	3.08E-10	4.25E-11	3.50E-10	1.66E-09	1.97E-10	1.85E-09	1.71E-10	1.44E-11	1.85E-10
580	436990.1	3725478	1.54E-09	3.36E-10	1.88E-09	3.05E-10	4.21E-11	3.47E-10	1.64E-09	1.96E-10	1.84E-09	1.69E-10	1.43E-11	1.83E-10
581	436987	3725470	1.53E-09	3.33E-10	1.86E-09	3.02E-10	4.18E-11	3.44E-10	1.63E-09	1.94E-10	1.82E-09	1.67E-10	1.42E-11	1.82E-10
582	436983.8	3725461	1.52E-09	3.30E-10	1.85E-09	3.00E-10	4.14E-11	3.41E-10	1.61E-09	1.92E-10	1.81E-09	1.66E-10	1.40E-11	1.80E-10
583	436980.7	3725452	1.51E-09	3.27E-10	1.83E-09	2.98E-10	4.11E-11	3.39E-10	1.60E-09	1.91E-10	1.79E-09	1.65E-10	1.39E-11	1.79E-10
584	436977.6	3725443	1.50E-09	3.25E-10	1.82E-09	2.95E-10	4.08E-11	3.36E-10	1.59E-09	1.89E-10	1.78E-09	1.64E-10	1.38E-11	1.77E-10
585	436974.4	3725434	1.48E-09	3.22E-10	1.81E-09	2.93E-10	4.05E-11	3.34E-10	1.58E-09	1.88E-10	1.76E-09	1.62E-10	1.37E-11	1.76E-10
586	436965	3725407	1.45E-09	3.16E-10	1.77E-09	2.87E-10	3.96E-11	3.27E-10	1.54E-09	1.84E-10	1.73E-09	1.59E-10	1.34E-11	1.72E-10
587	436961.9	3725399	1.44E-09	3.13E-10	1.76E-09	2.85E-10	3.93E-11	3.24E-10	1.53E-09	1.83E-10	1.71E-09	1.58E-10	1.33E-11	1.71E-10
588	436946.3	3725354	1.39E-09	3.02E-10	1.69E-09	2.75E-10	3.79E-11	3.13E-10	1.48E-09	1.76E-10	1.65E-09	1.52E-10	1.29E-11	1.65E-10
589	436943.1	3725345	1.38E-09	3.00E-10	1.68E-09	2.73E-10	3.77E-11	3.10E-10	1.47E-09	1.75E-10	1.64E-09	1.51E-10	1.28E-11	1.64E-10
590	436940	3725336	1.37E-09	2.98E-10	1.67E-09	2.71E-10	3.74E-11	3.08E-10	1.46E-09	1.74E-10	1.63E-09	1.50E-10	1.27E-11	1.63E-10
591	436936.9	3725328	1.36E-09	2.96E-10	1.66E-09	2.69E-10	3.71E-11	3.06E-10	1.44E-09	1.72E-10	1.62E-09	1.49E-10	1.26E-11	1.61E-10
592	436933.7	3725319	1.35E-09	2.93E-10	1.64E-09	2.66E-10	3.68E-11	3.03E-10	1.43E-09	1.71E-10	1.60E-09	1.47E-10	1.25E-11	1.60E-10
593	436930.6	3725310	1.33E-09	2.90E-10	1.62E-09	2.64E-10	3.64E-11	3.00E-10	1.42E-09	1.69E-10	1.59E-09	1.46E-10	1.23E-11	1.58E-10
594	436927.5	3725301	1.32E-09	2.87E-10	1.61E-09	2.61E-10	3.60E-11	2.97E-10	1.40E-09	1.67E-10	1.57E-09	1.45E-10	1.22E-11	1.57E-10
595	436924.3	3725292	1.31E-09	2.84E-10	1.59E-09	2.58E-10	3.57E-11	2.94E-10	1.39E-09	1.66E-10	1.55E-09	1.43E-10	1.21E-11	1.55E-10
596	436921.2	3725283	1.29E-09	2.81E-10	1.57E-09	2.55E-10	3.53E-11	2.91E-10	1.37E-09	1.64E-10	1.54E-09	1.41E-10	1.20E-11	1.53E-10
597	436918.1	3725274	1.28E-09	2.78E-10	1.56E-09	2.53E-10	3.49E-11	2.88E-10	1.36E-09	1.62E-10	1.52E-09	1.40E-10	1.18E-11	1.52E-10
598	436914.9	3725266	1.27E-09	2.75E-10	1.54E-09	2.50E-10	3.46E-11	2.85E-10	1.35E-09	1.60E-10	1.51E-09	1.39E-10	1.17E-11	1.50E-10
599	436905.5	3725239	1.24E-09	2.69E-10	1.51E-09	2.45E-10	3.38E-11	2.78E-10	1.32E-09	1.57E-10	1.47E-09	1.35E-10	1.15E-11	1.47E-10
600	436902.4	3725230	1.23E-09	2.67E-10	1.50E-09	2.43E-10	3.36E-11	2.77E-10	1.31E-09	1.56E-10	1.46E-09	1.35E-10	1.14E-11	1.46E-10
601	436899.3	3725221	1.22E-09	2.65E-10	1.49E-09	2.41E-10	3.33E-11	2.75E-10	1.30E-09	1.55E-10	1.45E-09	1.34E-10	1.13E-11	1.45E-10
602	436900.2	3725204	1.23E-09	2.67E-10	1.50E-09	2.43E-10	3.35E-11	2.76E-10	1.30E-09	1.56E-10	1.46E-09	1.34E-10	1.14E-11	1.46E-10
603	436904.2	3725195	1.24E-09	2.70E-10	1.51E-09	2.45E-10	3.39E-11	2.79E-10	1.32E-09	1.57E-10	1.48E-09	1.36E-10	1.15E-11	1.47E-10
604	436908.3	3725187	1.26E-09	2.73E-10	1.53E-09	2.48E-10	3.42E-11	2.82E-10	1.33E-09	1.59E-10	1.49E-09	1.37E-10	1.16E-11	1.49E-10

605	436912.3	3725178	1.27E-09	2.76E-10	1.54E-09	2.51E-10	3.46E-11	2.85E-10	1.35E-09	1.61E-10	1.51E-09	1.39E-10	1.17E-11	1.51E-10
606	436948.7	3725102	1.35E-09	2.93E-10	1.64E-09	2.67E-10	3.68E-11	3.03E-10	1.43E-09	1.71E-10	1.60E-09	1.48E-10	1.25E-11	1.60E-10
607	436952.8	3725093	1.36E-09	2.95E-10	1.65E-09	2.69E-10	3.71E-11	3.06E-10	1.44E-09	1.72E-10	1.62E-09	1.49E-10	1.26E-11	1.61E-10
608	436956.8	3725085	1.37E-09	2.98E-10	1.67E-09	2.71E-10	3.74E-11	3.08E-10	1.45E-09	1.73E-10	1.63E-09	1.50E-10	1.27E-11	1.62E-10
609	436960.9	3725076	1.38E-09	2.99E-10	1.68E-09	2.72E-10	3.76E-11	3.10E-10	1.46E-09	1.74E-10	1.64E-09	1.51E-10	1.27E-11	1.63E-10
610	436964.9	3725068	1.38E-09	3.01E-10	1.68E-09	2.73E-10	3.77E-11	3.11E-10	1.47E-09	1.75E-10	1.64E-09	1.51E-10	1.28E-11	1.64E-10
611	436969	3725059	1.39E-09	3.02E-10	1.69E-09	2.75E-10	3.80E-11	3.13E-10	1.48E-09	1.76E-10	1.65E-09	1.52E-10	1.29E-11	1.65E-10
612	436973	3725051	1.40E-09	3.05E-10	1.71E-09	2.77E-10	3.83E-11	3.16E-10	1.49E-09	1.78E-10	1.67E-09	1.54E-10	1.30E-11	1.67E-10
613	436977.1	3725042	1.42E-09	3.09E-10	1.73E-09	2.81E-10	3.88E-11	3.19E-10	1.51E-09	1.80E-10	1.69E-09	1.55E-10	1.31E-11	1.69E-10
614	436981.1	3725034	1.44E-09	3.12E-10	1.75E-09	2.84E-10	3.92E-11	3.23E-10	1.53E-09	1.82E-10	1.71E-09	1.57E-10	1.33E-11	1.71E-10
615	436985.2	3725025	1.46E-09	3.16E-10	1.77E-09	2.88E-10	3.97E-11	3.27E-10	1.55E-09	1.84E-10	1.73E-09	1.59E-10	1.35E-11	1.73E-10
616	436989.2	3725017	1.47E-09	3.19E-10	1.78E-09	2.90E-10	4.00E-11	3.30E-10	1.56E-09	1.86E-10	1.74E-09	1.60E-10	1.36E-11	1.74E-10
617	436993.3	3725009	1.48E-09	3.21E-10	1.80E-09	2.91E-10	4.03E-11	3.32E-10	1.57E-09	1.87E-10	1.75E-09	1.61E-10	1.36E-11	1.75E-10
618	436997.3	3725000	1.48E-09	3.23E-10	1.81E-09	2.93E-10	4.05E-11	3.34E-10	1.58E-09	1.88E-10	1.76E-09	1.62E-10	1.37E-11	1.76E-10
619	437001.3	3724992	1.49E-09	3.23E-10	1.81E-09	2.94E-10	4.06E-11	3.34E-10	1.58E-09	1.88E-10	1.77E-09	1.63E-10	1.38E-11	1.76E-10
620	437005.4	3724983	1.49E-09	3.23E-10	1.81E-09	2.93E-10	4.05E-11	3.34E-10	1.58E-09	1.88E-10	1.77E-09	1.62E-10	1.37E-11	1.76E-10
621	437009.4	3724975	1.48E-09	3.22E-10	1.80E-09	2.93E-10	4.04E-11	3.33E-10	1.57E-09	1.88E-10	1.76E-09	1.62E-10	1.37E-11	1.76E-10
622	437013.5	3724966	1.48E-09	3.21E-10	1.80E-09	2.92E-10	4.04E-11	3.32E-10	1.57E-09	1.87E-10	1.76E-09	1.62E-10	1.37E-11	1.75E-10
623	437017.5	3724958	1.48E-09	3.22E-10	1.81E-09	2.93E-10	4.05E-11	3.34E-10	1.58E-09	1.88E-10	1.76E-09	1.62E-10	1.37E-11	1.76E-10
624	437021.6	3724949	1.49E-09	3.24E-10	1.81E-09	2.94E-10	4.06E-11	3.35E-10	1.58E-09	1.89E-10	1.77E-09	1.63E-10	1.38E-11	1.77E-10
625	437025.6	3724941	1.50E-09	3.25E-10	1.82E-09	2.95E-10	4.08E-11	3.36E-10	1.59E-09	1.89E-10	1.78E-09	1.64E-10	1.38E-11	1.77E-10
626	437029.7	3724932	1.51E-09	3.27E-10	1.83E-09	2.97E-10	4.11E-11	3.39E-10	1.60E-09	1.91E-10	1.79E-09	1.65E-10	1.39E-11	1.79E-10
627	437033.7	3724924	1.52E-09	3.30E-10	1.85E-09	3.00E-10	4.15E-11	3.42E-10	1.61E-09	1.93E-10	1.81E-09	1.66E-10	1.41E-11	1.80E-10
628	437037.8	3724915	1.53E-09	3.33E-10	1.87E-09	3.03E-10	4.18E-11	3.45E-10	1.63E-09	1.94E-10	1.82E-09	1.68E-10	1.42E-11	1.82E-10
629	437041.8	3724907	1.54E-09	3.34E-10	1.87E-09	3.03E-10	4.19E-11	3.45E-10	1.63E-09	1.95E-10	1.83E-09	1.68E-10	1.42E-11	1.82E-10
630	437045.9	3724898	1.53E-09	3.33E-10	1.87E-09	3.03E-10	4.18E-11	3.45E-10	1.63E-09	1.94E-10	1.82E-09	1.68E-10	1.42E-11	1.82E-10
631	437049.9	3724890	1.53E-09	3.32E-10	1.86E-09	3.02E-10	4.17E-11	3.44E-10	1.62E-09	1.94E-10	1.82E-09	1.67E-10	1.41E-11	1.81E-10
632	437053.9	3724881	1.52E-09	3.31E-10	1.85E-09	3.01E-10	4.16E-11	3.42E-10	1.62E-09	1.93E-10	1.81E-09	1.67E-10	1.41E-11	1.81E-10
633	437058	3724873	1.52E-09	3.29E-10	1.85E-09	2.99E-10	4.14E-11	3.41E-10	1.61E-09	1.92E-10	1.80E-09	1.66E-10	1.40E-11	1.80E-10
634	437062	3724864	1.51E-09	3.28E-10	1.84E-09	2.98E-10	4.11E-11	3.39E-10	1.60E-09	1.91E-10	1.79E-09	1.65E-10	1.39E-11	1.79E-10
635	437066.1	3724856	1.50E-09	3.26E-10	1.82E-09	2.96E-10	4.09E-11	3.37E-10	1.59E-09	1.90E-10	1.78E-09	1.64E-10	1.39E-11	1.78E-10
636	437070.1	3724847	1.49E-09	3.23E-10	1.81E-09	2.94E-10	4.06E-11	3.35E-10	1.58E-09	1.88E-10	1.77E-09	1.63E-10	1.38E-11	1.77E-10
637	437090.4	3724805	1.42E-09	3.09E-10	1.73E-09	2.81E-10	3.88E-11	3.20E-10	1.51E-09	1.80E-10	1.69E-09	1.56E-10	1.32E-11	1.69E-10
638	437094.4	3724796	1.41E-09	3.05E-10	1.71E-09	2.78E-10	3.84E-11	3.16E-10	1.49E-09	1.78E-10	1.67E-09	1.54E-10	1.30E-11	1.67E-10
639	437098.5	3724788	1.39E-09	3.02E-10	1.69E-09	2.74E-10	3.79E-11	3.12E-10	1.48E-09	1.76E-10	1.65E-09	1.52E-10	1.29E-11	1.65E-10
640	437102.5	3724779	1.37E-09	2.98E-10	1.67E-09	2.71E-10	3.74E-11	3.08E-10	1.46E-09	1.74E-10	1.63E-09	1.50E-10	1.27E-11	1.63E-10
641	436956.9	3725495	1.38E-09	3.00E-10	1.68E-09	2.73E-10	3.77E-11	3.11E-10	1.47E-09	1.75E-10	1.64E-09	1.51E-10	1.28E-11	1.64E-10
642	436953.7	3725486	1.37E-09	2.98E-10	1.67E-09	2.71E-10	3.74E-11	3.08E-10	1.46E-09	1.74E-10	1.63E-09	1.50E-10	1.27E-11	1.63E-10
643	436950.6	3725477	1.36E-09	2.96E-10	1.66E-09	2.69E-10	3.71E-11	3.06E-10	1.45E-09	1.72E-10	1.62E-09	1.49E-10	1.26E-11	1.62E-10
644	436947.4	3725469	1.35E-09	2.94E-10	1.65E-09	2.67E-10	3.69E-11	3.04E-10	1.44E-09	1.71E-10	1.61E-09	1.48E-10	1.25E-11	1.60E-10
645	436944.3	3725460	1.34E-09	2.92E-10	1.64E-09	2.66E-10	3.67E-11	3.02E-10	1.43E-09	1.70E-10	1.60E-09	1.47E-10	1.24E-11	1.60E-10
646	436941.1	3725451	1.34E-09	2.90E-10	1.63E-09	2.64E-10	3.65E-11	3.00E-10	1.42E-09	1.69E-10	1.59E-09	1.46E-10	1.24E-11	1.59E-10
647	436938	3725442	1.33E-09	2.88E-10	1.62E-09	2.62E-10	3.62E-11	2.98E-10	1.41E-09	1.68E-10	1.58E-09	1.45E-10	1.23E-11	1.57E-10
648	436925.4	3725406	1.29E-09	2.81E-10	1.57E-09	2.55E-10	3.53E-11	2.91E-10	1.37E-09	1.64E-10	1.54E-09	1.41E-10	1.20E-11	1.53E-10
649	436922.3	3725397	1.29E-09	2.79E-10	1.57E-09	2.54E-10	3.51E-11	2.89E-10	1.37E-09	1.63E-10	1.53E-09	1.41E-10	1.19E-11	1.53E-10
650	436919.1	3725388	1.28E-09	2.78E-10	1.56E-09	2.53E-10	3.49E-11	2.88E-10	1.36E-09	1.62E-10	1.52E-09	1.40E-10	1.18E-11	1.52E-10
651	436916	3725379	1.27E-09	2.76E-10	1.55E-09	2.51E-10	3.47E-11	2.86E-10	1.35E-09	1.61E-10	1.51E-09	1.39E-10	1.18E-11	1.51E-10
652	436912.8	3725371	1.26E-09	2.75E-10	1.54E-09	2.50E-10	3.45E-11	2.84E-10	1.34E-09	1.60E-10	1.50E-09	1.38E-10	1.17E-11	1.50E-10
653	436887.7	3725299	1.18E-09	2.57E-10	1.44E-09	2.34E-10	3.23E-11	2.66E-10	1.26E-09	1.50E-10	1.41E-09	1.29E-10	1.09E-11	1.40E-10
654	436884.5	3725290	1.17E-09	2.55E-10	1.43E-09	2.32E-10	3.20E-11	2.64E-10	1.25E-09	1.49E-10	1.39E-09	1.28E-10	1.08E-11	1.39E-10
655	436881.4	3725281	1.16E-09	2.52E-10	1.41E-09	2.29E-10	3.17E-11	2.61E-10	1.23E-09	1.47E-10	1.38E-09	1.27E-10	1.07E-11	1.38E-10
656	436878.2	3725273	1.15E-09	2.50E-10	1.40E-09	2.27E-10	3.14E-11	2.59E-10	1.22E-09	1.46E-10	1.37E-09	1.26E-10	1.06E-11	1.37E-10
657	436865.6	3725237	1.12E-09	2.44E-10	1.36E-09	2.21E-10	3.06E-11	2.52E-10	1.19E-09	1.42E-10	1.33E-09	1.23E-10	1.04E-11	1.33E-10
658	436862.5	3725228	1.12E-09	2.42E-10	1.36E-09	2.20E-10	3.04E-11	2.51E-10	1.19E-09	1.41E-10	1.33E-09	1.22E-10	1.03E-11	1.32E-10
659	436859.3	3725219	1.11E-09	2.41E-10	1.35E-09	2.20E-10	3.03E-11	2.50E-10	1.18E-09	1.41E-10	1.32E-09	1.22E-10	1.03E-11	1.32E-10
660	436860.3	3725202	1.12E-09	2.43E-10	1.36E-09	2.21E-10	3.06E-11	2.52E-10	1.19E-09	1.42E-10	1.33E-09	1.23E-10	1.04E-11	1.33E-10
661	436864.3	3725193	1.13E-09	2.46E-10	1.38E-09	2.23E-10	3.09E-11	2.54E-10	1.20E-09	1.43E-10	1.34E-09	1.24E-10	1.05E-11	1.34E-10
662	436868.4	3725185	1.14E-09	2.48E-10	1.39E-09	2.26E-10	3.12E-11	2.57E-10	1.21E-09	1.45E-10	1.36E-09	1.25E-10	1.06E-11	1.36E-10
663	436900.9	3725116	1.20E-09	2.61E-10	1.46E-09	2.37E-10	3.27E-11	2.70E-10	1.27E-09	1.52E-10	1.43E-09	1.31E-10	1.11E-11	1.42E-10
664	436905	3725108	1.21E-09	2.62E-10	1.47E-09	2.38E-10	3.29E-11	2.71E-10	1.28E-09	1.53E-10	1.43E-09	1.32E-10	1.12E-11	1.43E-10
665	436909	3725099	1.21E-09	2.63E-10	1.48E-09	2.39E-10	3.31E-11	2.73E-10	1.29E-09	1.54E-10	1.44E-09	1.33E-10	1.12E-11	1.44E-10
666	436913.1	3725091	1.22E-09	2.65E-10	1.48E-09	2.41E-10	3.33E-11	2.74E-10	1.30E-09	1.54E-10	1.45E-09	1.33E-10	1.13E-11	1.45E-10
667	436917.2	3725082	1.23E-09	2.67E-10	1.49E-09	2.42E-10	3.35E-11	2.76E-10	1.30E-09	1.55E-10	1.46E-09	1.34E-10	1.13E-11	1.46E-10
668	436921.2	3725074	1.23E-09	2.68E-10	1.50E-09	2.44E-10	3.37E-11	2.78E-10	1.31E-09	1.56E-10	1.47E-09	1.35E-10	1.14E-11	1.46E-10
669	436925.3	3725065	1.24E-09	2.70E-10	1.51E-09	2.45E-10	3.39E-11	2.79E-10	1.32E-09	1.57E-10	1.48E-09	1.36E-10	1.15E-11	1.47E-10
670	436929.4	3725057	1.25E-09	2.71E-10	1.52E-09	2.47E-10	3.41E-11	2.81E-10	1.33E-09	1.58E-10	1.49E-09	1.37E-10	1.16E-11	1.48E-10
671	436933.4	3725048	1.26E-09	2.74E-10	1.53E-09	2.49E-10	3.44E-11	2.83E-10	1.34E-09	1.60E-10	1.50E-09	1.38E-10	1.17E-11	1.50E-10
672	436937.5	3725040	1.27E-09	2.76E-10	1.55E-09	2.51E-10	3.47E-11	2.86E-10	1.35E-09	1.61E-10	1.51E-09	1.39E-10	1.18E-11	1.51E-10
673	436941.6	3725031	1.28E-09	2.79E-10	1.56E-09	2.53E-10	3.50E-11	2.88E-10	1.36E-09	1.62E-10	1.53E-09	1.40E-10	1.19E-11	1.52E-10
674	436945.6	3725023	1.30E-09	2.81E-10	1.58E-09	2.56E-10	3.53E-11	2.91E-10	1.38E-09	1.64E-10	1.54E-09	1.42E-10	1.20E-11	1.54E-10
675	436949.7	3725014	1.31E-09	2.84E-10	1.59E-09	2.58E-10	3.57E-11	2.94E-10	1.39E-09	1.66E-10	1.56E-09	1.43E-10	1.21E-11	1.55E-10
676	436953.7	3725005	1.32E-09	2.87E-10	1.61E-09	2.61E-10	3.60E-11	2.97E-10	1.40E-09	1.67E-10	1.57E-09	1.45E-10	1.22E-11	1.57E-10
677	436957.8	3724997	1.33E-09	2.90E-10	1.62E-09	2.63E-10	3.64E-11	3.00E-10	1.42E-09	1.69E-10	1.58E-09	1.46E-10	1.23E-11	1.58E-10
678	436961.9	3724988	1.34E-09	2.90E-10	1.63E-09	2.64E-10	3.65E-11	3.00E-10	1.42E-09	1.69E-10	1.59E-09	1.46E-10	1.24E-11	1.59E-10
679	436965.9	3724980	1.34E-09	2.90E-10	1.63E-09	2.64E-10	3.65E-11	3.00E-10	1.42E-09	1.69E-10	1.59E-09	1.46E-10	1.24E-11	1.59E-10
680	436970	3724971	1.34E-09	2.90E-10	1.63E-09	2.64E-10	3.65E-11	3.00E-10	1.42E-09	1.69E-10	1.59E-09	1.46E-10	1.24E-11	1.59E-10

681	436974.1	3724963	1.34E-09	2.91E-10	1.63E-09	2.64E-10	3.65E-11	3.01E-10	1.42E-09	1.69E-10	1.59E-09	1.46E-10	1.24E-11	1.59E-10
682	436978.1	3724954	1.34E-09	2.91E-10	1.63E-09	2.65E-10	3.66E-11	3.01E-10	1.42E-09	1.70E-10	1.59E-09	1.47E-10	1.24E-11	1.59E-10
683	436982.2	3724946	1.34E-09	2.92E-10	1.64E-09	2.65E-10	3.66E-11	3.02E-10	1.43E-09	1.70E-10	1.60E-09	1.47E-10	1.24E-11	1.59E-10
684	436986.3	3724937	1.35E-09	2.92E-10	1.64E-09	2.66E-10	3.67E-11	3.02E-10	1.43E-09	1.70E-10	1.60E-09	1.47E-10	1.24E-11	1.60E-10
685	436990.3	3724929	1.36E-09	2.96E-10	1.66E-09	2.69E-10	3.71E-11	3.06E-10	1.44E-09	1.72E-10	1.62E-09	1.49E-10	1.26E-11	1.61E-10
686	436994.4	3724920	1.38E-09	2.99E-10	1.68E-09	2.72E-10	3.76E-11	3.10E-10	1.46E-09	1.75E-10	1.64E-09	1.51E-10	1.27E-11	1.64E-10
687	436998.5	3724912	1.40E-09	3.04E-10	1.70E-09	2.76E-10	3.82E-11	3.14E-10	1.49E-09	1.77E-10	1.66E-09	1.53E-10	1.29E-11	1.66E-10
688	437002.5	3724903	1.41E-09	3.06E-10	1.72E-09	2.79E-10	3.85E-11	3.17E-10	1.50E-09	1.79E-10	1.68E-09	1.54E-10	1.30E-11	1.67E-10
689	437006.6	3724895	1.41E-09	3.06E-10	1.72E-09	2.78E-10	3.84E-11	3.17E-10	1.50E-09	1.78E-10	1.68E-09	1.54E-10	1.30E-11	1.67E-10
690	437010.7	3724886	1.41E-09	3.06E-10	1.71E-09	2.78E-10	3.84E-11	3.16E-10	1.49E-09	1.78E-10	1.67E-09	1.54E-10	1.30E-11	1.67E-10
691	437014.7	3724878	1.40E-09	3.05E-10	1.71E-09	2.77E-10	3.83E-11	3.16E-10	1.49E-09	1.78E-10	1.67E-09	1.54E-10	1.30E-11	1.67E-10
692	437018.8	3724869	1.40E-09	3.04E-10	1.70E-09	2.76E-10	3.82E-11	3.15E-10	1.49E-09	1.77E-10	1.66E-09	1.53E-10	1.29E-11	1.66E-10
693	437022.9	3724860	1.39E-09	3.03E-10	1.70E-09	2.75E-10	3.80E-11	3.13E-10	1.48E-09	1.77E-10	1.66E-09	1.53E-10	1.29E-11	1.65E-10
694	437026.9	3724852	1.39E-09	3.02E-10	1.69E-09	2.74E-10	3.79E-11	3.12E-10	1.47E-09	1.76E-10	1.65E-09	1.52E-10	1.28E-11	1.65E-10
695	437059.4	3724784	1.31E-09	2.85E-10	1.60E-09	2.59E-10	3.58E-11	2.95E-10	1.39E-09	1.66E-10	1.56E-09	1.43E-10	1.21E-11	1.55E-10
696	437063.5	3724775	1.30E-09	2.82E-10	1.58E-09	2.56E-10	3.54E-11	2.91E-10	1.38E-09	1.64E-10	1.54E-09	1.42E-10	1.20E-11	1.54E-10
697	437067.6	3724767	1.28E-09	2.79E-10	1.56E-09	2.53E-10	3.50E-11	2.88E-10	1.36E-09	1.62E-10	1.53E-09	1.40E-10	1.19E-11	1.52E-10
698	437071.6	3724758	1.27E-09	2.75E-10	1.54E-09	2.50E-10	3.46E-11	2.85E-10	1.35E-09	1.60E-10	1.51E-09	1.39E-10	1.17E-11	1.50E-10
699	437075.7	3724750	1.25E-09	2.72E-10	1.52E-09	2.47E-10	3.41E-11	2.81E-10	1.33E-09	1.58E-10	1.49E-09	1.37E-10	1.16E-11	1.48E-10
700	436918.7	3725498	1.25E-09	2.71E-10	1.52E-09	2.46E-10	3.40E-11	2.80E-10	1.32E-09	1.58E-10	1.48E-09	1.36E-10	1.15E-11	1.48E-10
701	436915.6	3725489	1.24E-09	2.69E-10	1.51E-09	2.44E-10	3.38E-11	2.78E-10	1.31E-09	1.57E-10	1.47E-09	1.35E-10	1.14E-11	1.47E-10
702	436912.5	3725481	1.23E-09	2.67E-10	1.50E-09	2.43E-10	3.35E-11	2.76E-10	1.31E-09	1.56E-10	1.46E-09	1.34E-10	1.14E-11	1.46E-10
703	436909.4	3725472	1.22E-09	2.65E-10	1.49E-09	2.41E-10	3.33E-11	2.74E-10	1.30E-09	1.54E-10	1.45E-09	1.33E-10	1.13E-11	1.45E-10
704	436906.3	3725463	1.21E-09	2.63E-10	1.48E-09	2.39E-10	3.31E-11	2.73E-10	1.29E-09	1.54E-10	1.44E-09	1.33E-10	1.12E-11	1.44E-10
705	436903.2	3725454	1.21E-09	2.62E-10	1.47E-09	2.38E-10	3.29E-11	2.71E-10	1.28E-09	1.53E-10	1.43E-09	1.32E-10	1.11E-11	1.43E-10
706	436900.1	3725446	1.20E-09	2.60E-10	1.46E-09	2.37E-10	3.27E-11	2.69E-10	1.27E-09	1.52E-10	1.42E-09	1.31E-10	1.11E-11	1.42E-10
707	436893.9	3725428	1.18E-09	2.57E-10	1.44E-09	2.34E-10	3.23E-11	2.66E-10	1.26E-09	1.50E-10	1.41E-09	1.30E-10	1.10E-11	1.41E-10
708	436890.8	3725419	1.18E-09	2.56E-10	1.43E-09	2.33E-10	3.22E-11	2.65E-10	1.25E-09	1.49E-10	1.40E-09	1.29E-10	1.09E-11	1.40E-10
709	436887.7	3725410	1.17E-09	2.55E-10	1.43E-09	2.32E-10	3.20E-11	2.64E-10	1.25E-09	1.48E-10	1.39E-09	1.28E-10	1.08E-11	1.39E-10
710	436884.6	3725402	1.17E-09	2.53E-10	1.42E-09	2.30E-10	3.18E-11	2.62E-10	1.24E-09	1.48E-10	1.39E-09	1.28E-10	1.08E-11	1.38E-10
711	436881.5	3725393	1.16E-09	2.52E-10	1.41E-09	2.29E-10	3.17E-11	2.61E-10	1.23E-09	1.47E-10	1.38E-09	1.27E-10	1.07E-11	1.38E-10
712	436878.4	3725384	1.15E-09	2.51E-10	1.40E-09	2.28E-10	3.15E-11	2.59E-10	1.23E-09	1.46E-10	1.37E-09	1.26E-10	1.07E-11	1.37E-10
713	436875.3	3725375	1.15E-09	2.49E-10	1.40E-09	2.26E-10	3.13E-11	2.58E-10	1.22E-09	1.45E-10	1.36E-09	1.25E-10	1.06E-11	1.36E-10
714	436872.2	3725366	1.14E-09	2.47E-10	1.39E-09	2.25E-10	3.11E-11	2.56E-10	1.21E-09	1.44E-10	1.35E-09	1.25E-10	1.05E-11	1.35E-10
715	436869	3725358	1.13E-09	2.46E-10	1.38E-09	2.24E-10	3.09E-11	2.54E-10	1.20E-09	1.43E-10	1.35E-09	1.24E-10	1.05E-11	1.34E-10
716	436865.9	3725349	1.12E-09	2.44E-10	1.37E-09	2.22E-10	3.07E-11	2.53E-10	1.19E-09	1.42E-10	1.34E-09	1.23E-10	1.04E-11	1.33E-10
717	436862.8	3725340	1.12E-09	2.42E-10	1.36E-09	2.20E-10	3.04E-11	2.51E-10	1.19E-09	1.41E-10	1.33E-09	1.22E-10	1.03E-11	1.32E-10
718	436859.7	3725331	1.11E-09	2.41E-10	1.35E-09	2.19E-10	3.02E-11	2.49E-10	1.18E-09	1.40E-10	1.32E-09	1.21E-10	1.02E-11	1.31E-10
719	436856.6	3725322	1.10E-09	2.39E-10	1.34E-09	2.17E-10	3.00E-11	2.47E-10	1.17E-09	1.39E-10	1.31E-09	1.20E-10	1.02E-11	1.30E-10
720	436853.5	3725314	1.09E-09	2.37E-10	1.33E-09	2.16E-10	2.98E-11	2.45E-10	1.16E-09	1.38E-10	1.30E-09	1.19E-10	1.01E-11	1.29E-10
721	436850.4	3725305	1.08E-09	2.35E-10	1.32E-09	2.14E-10	2.96E-11	2.43E-10	1.15E-09	1.37E-10	1.29E-09	1.18E-10	1.00E-11	1.29E-10
722	436847.3	3725296	1.07E-09	2.34E-10	1.31E-09	2.12E-10	2.93E-11	2.42E-10	1.14E-09	1.36E-10	1.28E-09	1.18E-10	9.94E-12	1.28E-10
723	436844.2	3725287	1.07E-09	2.32E-10	1.30E-09	2.11E-10	2.91E-11	2.40E-10	1.13E-09	1.35E-10	1.27E-09	1.17E-10	9.87E-12	1.27E-10
724	436841.1	3725278	1.06E-09	2.30E-10	1.29E-09	2.09E-10	2.89E-11	2.38E-10	1.12E-09	1.34E-10	1.26E-09	1.16E-10	9.79E-12	1.26E-10
725	436838	3725270	1.05E-09	2.28E-10	1.28E-09	2.08E-10	2.87E-11	2.36E-10	1.12E-09	1.33E-10	1.25E-09	1.15E-10	9.72E-12	1.25E-10
726	436828.7	3725243	1.03E-09	2.24E-10	1.25E-09	2.03E-10	2.81E-11	2.31E-10	1.09E-09	1.30E-10	1.22E-09	1.13E-10	9.52E-12	1.22E-10
727	436825.6	3725234	1.02E-09	2.22E-10	1.25E-09	2.02E-10	2.79E-11	2.30E-10	1.09E-09	1.30E-10	1.22E-09	1.12E-10	9.47E-12	1.21E-10
728	436822.5	3725226	1.02E-09	2.21E-10	1.24E-09	2.01E-10	2.78E-11	2.29E-10	1.08E-09	1.29E-10	1.21E-09	1.11E-10	9.42E-12	1.21E-10
729	436819.4	3725217	1.01E-09	2.20E-10	1.23E-09	2.00E-10	2.76E-11	2.28E-10	1.08E-09	1.28E-10	1.20E-09	1.11E-10	9.37E-12	1.20E-10
730	436820.3	3725200	1.02E-09	2.21E-10	1.24E-09	2.01E-10	2.78E-11	2.29E-10	1.08E-09	1.29E-10	1.21E-09	1.11E-10	9.41E-12	1.21E-10
731	436824.3	3725191	1.03E-09	2.23E-10	1.25E-09	2.03E-10	2.80E-11	2.31E-10	1.09E-09	1.30E-10	1.22E-09	1.12E-10	9.49E-12	1.22E-10
732	436828.3	3725183	1.04E-09	2.25E-10	1.26E-09	2.05E-10	2.83E-11	2.33E-10	1.10E-09	1.31E-10	1.23E-09	1.13E-10	9.58E-12	1.23E-10
733	436876.4	3725082	1.11E-09	2.42E-10	1.36E-09	2.20E-10	3.04E-11	2.50E-10	1.18E-09	1.41E-10	1.32E-09	1.22E-10	1.03E-11	1.32E-10
734	436880.4	3725073	1.12E-09	2.43E-10	1.36E-09	2.21E-10	3.06E-11	2.52E-10	1.19E-09	1.42E-10	1.33E-09	1.23E-10	1.04E-11	1.33E-10
735	436884.5	3725065	1.13E-09	2.45E-10	1.37E-09	2.23E-10	3.08E-11	2.53E-10	1.20E-09	1.43E-10	1.34E-09	1.23E-10	1.04E-11	1.34E-10
736	436888.5	3725057	1.13E-09	2.46E-10	1.38E-09	2.24E-10	3.09E-11	2.55E-10	1.20E-09	1.44E-10	1.35E-09	1.24E-10	1.05E-11	1.35E-10
737	436892.5	3725048	1.14E-09	2.48E-10	1.39E-09	2.25E-10	3.11E-11	2.57E-10	1.21E-09	1.45E-10	1.36E-09	1.25E-10	1.06E-11	1.35E-10
738	437032.9	3724753	1.20E-09	2.61E-10	1.46E-09	2.37E-10	3.28E-11	2.70E-10	1.28E-09	1.52E-10	1.43E-09	1.31E-10	1.11E-11	1.43E-10
739	437036.9	3724745	1.19E-09	2.58E-10	1.45E-09	2.35E-10	3.24E-11	2.67E-10	1.26E-09	1.51E-10	1.41E-09	1.30E-10	1.10E-11	1.41E-10
740	437040.9	3724737	1.18E-09	2.56E-10	1.43E-09	2.32E-10	3.21E-11	2.65E-10	1.25E-09	1.49E-10	1.40E-09	1.29E-10	1.09E-11	1.40E-10
741	437044.9	3724728	1.16E-09	2.53E-10	1.42E-09	2.30E-10	3.17E-11	2.62E-10	1.24E-09	1.47E-10	1.38E-09	1.27E-10	1.08E-11	1.38E-10
742	437049	3724720	1.15E-09	2.50E-10	1.40E-09	2.27E-10	3.14E-11	2.58E-10	1.22E-09	1.46E-10	1.37E-09	1.26E-10	1.06E-11	1.36E-10
743	436848.1	3725409	1.06E-09	2.31E-10	1.30E-09	2.10E-10	2.91E-11	2.39E-10	1.13E-09	1.35E-10	1.27E-09	1.16E-10	9.85E-12	1.26E-10
744	436844.9	3725400	1.06E-09	2.30E-10	1.29E-09	2.09E-10	2.89E-11	2.38E-10	1.13E-09	1.34E-10	1.26E-09	1.16E-10	9.80E-12	1.26E-10
745	436841.8	3725391	1.05E-09	2.29E-10	1.28E-09	2.08E-10	2.87E-11	2.37E-10	1.12E-09	1.33E-10	1.25E-09	1.15E-10	9.74E-12	1.25E-10
746	436838.7	3725383	1.05E-09	2.28E-10	1.27E-09	2.07E-10	2.86E-11	2.35E-10	1.11E-09	1.33E-10	1.25E-09	1.15E-10	9.69E-12	1.24E-10
747	436835.6	3725374	1.04E-09	2.26E-10	1.27E-09	2.06E-10	2.84E-11	2.34E-10	1.11E-09	1.32E-10	1.24E-09	1.14E-10	9.64E-12	1.24E-10
748	436832.5	3725365	1.04E-09	2.25E-10	1.26E-09	2.05E-10	2.83E-11	2.33E-10	1.10E-09	1.31E-10	1.23E-09	1.13E-10	9.59E-12	1.23E-10
749	436829.3	3725356	1.03E-09	2.24E-10	1.26E-09	2.04E-10	2.81E-11	2.32E-10	1.10E-09	1.31E-10	1.23E-09	1.13E-10	9.54E-12	1.22E-10
750	436826.2	3725347	1.03E-09	2.23E-10	1.25E-09	2.03E-10	2.80E-11	2.30E-10	1.09E-09	1.30E-10	1.22E-09	1.12E-10	9.48E-12	1.22E-10
751	436823.1	3725338	1.02E-09	2.21E-10	1.24E-09	2.01E-10	2.78E-11	2.29E-10	1.08E-09	1.29E-10	1.21E-09	1.11E-10	9.43E-12	1.21E-10
752	436820	3725330	1.01E-09	2.20E-10	1.23E-09	2.00E-10	2.76E-11	2.28E-10	1.08E-09	1.28E-10	1.20E-09	1.11E-10	9.37E-12	1.20E-10
753	436816.9	3725321	1.01E-09	2.19E-10	1.22E-09	1.99E-10	2.74E-11	2.26E-10	1.07E-09	1.27E-10	1.20E-09	1.10E-10	9.30E-12	1.19E-10
754	436813.7	3725312	9.99E-10	2.17E-10	1.22E-09	1.97E-10	2.73E-11	2.25E-10	1.06E-09	1.26E-10	1.19E-09	1.09E-10	9.24E-12	1.19E-10
755	436810.6	3725303	9.91E-10	2.15E-10	1.21E-09	1.96E-10	2.70E-11	2.23E-10	1.05E-09	1.26E-10	1.18E-09	1.08E-10	9.17E-12	1.18E-10
756	436807.5	3725294	9.84E-10	2.14E-10	1.20E-09	1.94E-10	2.69E-11	2.21E-10	1.05E-09	1.25E-10	1.17E-09	1.08E-10	9.11E-12	1.17E-10

757	436804.4	3725285	9.78E-10	2.13E-10	1.19E-09	1.93E-10	2.67E-11	2.20E-10	1.04E-09	1.24E-10	1.16E-09	1.07E-10	9.05E-12	1.16E-10
758	436801.3	3725277	9.73E-10	2.11E-10	1.18E-09	1.92E-10	2.65E-11	2.19E-10	1.03E-09	1.23E-10	1.16E-09	1.06E-10	9.00E-12	1.15E-10
759	436798.1	3725268	9.66E-10	2.10E-10	1.18E-09	1.91E-10	2.64E-11	2.17E-10	1.03E-09	1.22E-10	1.15E-09	1.06E-10	8.94E-12	1.15E-10
760	436795	3725259	9.61E-10	2.09E-10	1.17E-09	1.90E-10	2.62E-11	2.16E-10	1.02E-09	1.22E-10	1.14E-09	1.05E-10	8.88E-12	1.14E-10
761	436791.9	3725250	9.55E-10	2.07E-10	1.16E-09	1.89E-10	2.61E-11	2.15E-10	1.01E-09	1.21E-10	1.14E-09	1.04E-10	8.83E-12	1.13E-10
762	436788.8	3725241	9.50E-10	2.06E-10	1.16E-09	1.88E-10	2.59E-11	2.14E-10	1.01E-09	1.20E-10	1.13E-09	1.04E-10	8.79E-12	1.13E-10
763	436785.7	3725232	9.45E-10	2.05E-10	1.15E-09	1.87E-10	2.58E-11	2.12E-10	1.00E-09	1.20E-10	1.12E-09	1.03E-10	8.74E-12	1.12E-10
764	436782.5	3725224	9.39E-10	2.04E-10	1.14E-09	1.86E-10	2.56E-11	2.11E-10	9.98E-10	1.19E-10	1.12E-09	1.03E-10	8.69E-12	1.11E-10
765	436779.4	3725215	9.34E-10	2.03E-10	1.14E-09	1.85E-10	2.55E-11	2.10E-10	9.92E-10	1.18E-10	1.11E-09	1.02E-10	8.64E-12	1.11E-10
766	436780.3	3725198	9.35E-10	2.03E-10	1.14E-09	1.85E-10	2.55E-11	2.10E-10	9.93E-10	1.18E-10	1.11E-09	1.02E-10	8.65E-12	1.11E-10
767	436816.6	3725121	9.95E-10	2.16E-10	1.21E-09	1.97E-10	2.72E-11	2.24E-10	1.06E-09	1.26E-10	1.18E-09	1.09E-10	9.20E-12	1.18E-10
768	436820.6	3725113	1.00E-09	2.17E-10	1.22E-09	1.98E-10	2.73E-11	2.25E-10	1.06E-09	1.27E-10	1.19E-09	1.09E-10	9.26E-12	1.19E-10
769	436824.7	3725105	1.00E-09	2.18E-10	1.22E-09	1.98E-10	2.74E-11	2.26E-10	1.07E-09	1.27E-10	1.19E-09	1.10E-10	9.29E-12	1.19E-10
770	436828.7	3725096	1.01E-09	2.19E-10	1.23E-09	1.99E-10	2.75E-11	2.27E-10	1.07E-09	1.28E-10	1.20E-09	1.10E-10	9.33E-12	1.20E-10
771	436832.7	3725088	1.01E-09	2.20E-10	1.23E-09	2.00E-10	2.76E-11	2.28E-10	1.08E-09	1.28E-10	1.20E-09	1.11E-10	9.36E-12	1.20E-10
772	436836.8	3725079	1.02E-09	2.21E-10	1.24E-09	2.01E-10	2.78E-11	2.29E-10	1.08E-09	1.29E-10	1.21E-09	1.11E-10	9.42E-12	1.21E-10
773	436840.8	3725071	1.03E-09	2.23E-10	1.25E-09	2.03E-10	2.80E-11	2.30E-10	1.09E-09	1.30E-10	1.22E-09	1.12E-10	9.48E-12	1.22E-10
774	436844.8	3725062	1.03E-09	2.24E-10	1.26E-09	2.04E-10	2.82E-11	2.32E-10	1.10E-09	1.31E-10	1.23E-09	1.13E-10	9.55E-12	1.22E-10
775	436848.8	3725054	1.04E-09	2.26E-10	1.26E-09	2.05E-10	2.84E-11	2.34E-10	1.10E-09	1.32E-10	1.24E-09	1.14E-10	9.61E-12	1.23E-10
776	437010	3724715	1.10E-09	2.38E-10	1.34E-09	2.17E-10	2.99E-11	2.47E-10	1.17E-09	1.39E-10	1.30E-09	1.20E-10	1.02E-11	1.30E-10
777	437014.1	3724707	1.09E-09	2.36E-10	1.32E-09	2.15E-10	2.96E-11	2.44E-10	1.15E-09	1.38E-10	1.29E-09	1.19E-10	1.00E-11	1.29E-10
778	437018.1	3724699	1.07E-09	2.34E-10	1.31E-09	2.12E-10	2.93E-11	2.42E-10	1.14E-09	1.36E-10	1.28E-09	1.18E-10	9.94E-12	1.28E-10
779	437022.1	3724690	1.06E-09	2.31E-10	1.29E-09	2.10E-10	2.90E-11	2.39E-10	1.13E-09	1.35E-10	1.26E-09	1.16E-10	9.83E-12	1.26E-10
780	436846	3725514	1.04E-09	2.26E-10	1.27E-09	2.06E-10	2.84E-11	2.34E-10	1.11E-09	1.32E-10	1.24E-09	1.14E-10	9.64E-12	1.24E-10
781	436842.9	3725505	1.04E-09	2.25E-10	1.26E-09	2.05E-10	2.83E-11	2.33E-10	1.10E-09	1.31E-10	1.23E-09	1.13E-10	9.58E-12	1.23E-10
782	436839.7	3725497	1.03E-09	2.24E-10	1.25E-09	2.03E-10	2.81E-11	2.31E-10	1.09E-09	1.30E-10	1.22E-09	1.13E-10	9.52E-12	1.22E-10
783	436836.6	3725488	1.02E-09	2.22E-10	1.25E-09	2.02E-10	2.79E-11	2.30E-10	1.09E-09	1.30E-10	1.22E-09	1.12E-10	9.47E-12	1.21E-10
784	436833.5	3725479	1.02E-09	2.21E-10	1.24E-09	2.01E-10	2.78E-11	2.29E-10	1.08E-09	1.29E-10	1.21E-09	1.11E-10	9.41E-12	1.21E-10
785	436830.3	3725470	1.01E-09	2.20E-10	1.23E-09	2.00E-10	2.76E-11	2.27E-10	1.07E-09	1.28E-10	1.20E-09	1.11E-10	9.36E-12	1.20E-10
786	436824.1	3725452	1.00E-09	2.17E-10	1.22E-09	1.97E-10	2.73E-11	2.25E-10	1.06E-09	1.27E-10	1.19E-09	1.09E-10	9.24E-12	1.19E-10
787	436789.6	3725355	9.51E-10	2.07E-10	1.16E-09	1.88E-10	2.60E-11	2.14E-10	1.01E-09	1.20E-10	1.13E-09	1.04E-10	8.80E-12	1.13E-10
788	436786.5	3725346	9.46E-10	2.06E-10	1.15E-09	1.87E-10	2.58E-11	2.13E-10	1.01E-09	1.20E-10	1.12E-09	1.04E-10	8.75E-12	1.12E-10
789	436783.3	3725337	9.41E-10	2.04E-10	1.15E-09	1.86E-10	2.57E-11	2.12E-10	1.00E-09	1.19E-10	1.12E-09	1.03E-10	8.70E-12	1.12E-10
790	436780.2	3725328	9.35E-10	2.03E-10	1.14E-09	1.85E-10	2.55E-11	2.10E-10	9.94E-10	1.18E-10	1.11E-09	1.02E-10	8.65E-12	1.11E-10
791	436777.1	3725319	9.29E-10	2.02E-10	1.13E-09	1.84E-10	2.54E-11	2.09E-10	9.87E-10	1.18E-10	1.10E-09	1.02E-10	8.59E-12	1.10E-10
792	436773.9	3725310	9.23E-10	2.01E-10	1.12E-09	1.82E-10	2.52E-11	2.07E-10	9.80E-10	1.17E-10	1.10E-09	1.01E-10	8.54E-12	1.09E-10
793	436770.8	3725301	9.16E-10	1.99E-10	1.12E-09	1.81E-10	2.50E-11	2.06E-10	9.73E-10	1.16E-10	1.09E-09	1.00E-10	8.47E-12	1.09E-10
794	436767.7	3725293	9.10E-10	1.98E-10	1.11E-09	1.80E-10	2.48E-11	2.04E-10	9.66E-10	1.15E-10	1.08E-09	9.95E-11	8.41E-12	1.08E-10
795	436764.6	3725284	9.04E-10	1.96E-10	1.10E-09	1.79E-10	2.47E-11	2.03E-10	9.60E-10	1.14E-10	1.07E-09	9.89E-11	8.36E-12	1.07E-10
796	436761.4	3725275	8.98E-10	1.95E-10	1.09E-09	1.77E-10	2.45E-11	2.02E-10	9.54E-10	1.14E-10	1.07E-09	9.83E-11	8.31E-12	1.07E-10
797	436758.3	3725266	8.93E-10	1.94E-10	1.09E-09	1.76E-10	2.44E-11	2.01E-10	9.48E-10	1.13E-10	1.06E-09	9.77E-11	8.26E-12	1.06E-10
798	436755.2	3725257	8.87E-10	1.93E-10	1.08E-09	1.75E-10	2.42E-11	1.99E-10	9.42E-10	1.12E-10	1.05E-09	9.70E-11	8.20E-12	1.05E-10
799	436752	3725248	8.82E-10	1.92E-10	1.07E-09	1.74E-10	2.41E-11	1.98E-10	9.37E-10	1.12E-10	1.05E-09	9.65E-11	8.16E-12	1.05E-10
800	436748.9	3725239	8.76E-10	1.90E-10	1.07E-09	1.73E-10	2.39E-11	1.97E-10	9.31E-10	1.11E-10	1.04E-09	9.59E-11	8.11E-12	1.04E-10
801	436745.8	3725230	8.71E-10	1.89E-10	1.06E-09	1.72E-10	2.38E-11	1.96E-10	9.26E-10	1.10E-10	1.04E-09	9.53E-11	8.06E-12	1.03E-10
802	436742.6	3725222	8.66E-10	1.88E-10	1.05E-09	1.71E-10	2.36E-11	1.95E-10	9.20E-10	1.10E-10	1.03E-09	9.48E-11	8.01E-12	1.03E-10
803	436739.5	3725213	8.61E-10	1.87E-10	1.05E-09	1.70E-10	2.35E-11	1.93E-10	9.14E-10	1.09E-10	1.02E-09	9.42E-11	7.96E-12	1.02E-10
804	436740.4	3725195	8.61E-10	1.87E-10	1.05E-09	1.70E-10	2.35E-11	1.93E-10	9.14E-10	1.09E-10	1.02E-09	9.42E-11	7.96E-12	1.02E-10
805	436772.8	3725127	9.08E-10	1.97E-10	1.11E-09	1.79E-10	2.48E-11	2.04E-10	9.65E-10	1.15E-10	1.08E-09	9.94E-11	8.40E-12	1.08E-10
806	436776.8	3725119	9.15E-10	1.99E-10	1.11E-09	1.81E-10	2.50E-11	2.06E-10	9.72E-10	1.16E-10	1.09E-09	1.00E-10	8.47E-12	1.09E-10
807	436780.9	3725110	9.22E-10	2.00E-10	1.12E-09	1.82E-10	2.52E-11	2.07E-10	9.80E-10	1.17E-10	1.10E-09	1.01E-10	8.53E-12	1.09E-10
808	436784.9	3725102	9.29E-10	2.02E-10	1.13E-09	1.83E-10	2.53E-11	2.09E-10	9.86E-10	1.18E-10	1.10E-09	1.02E-10	8.59E-12	1.10E-10
809	436789	3725093	9.34E-10	2.03E-10	1.14E-09	1.85E-10	2.55E-11	2.10E-10	9.92E-10	1.18E-10	1.11E-09	1.02E-10	8.64E-12	1.11E-10
810	436793	3725085	9.40E-10	2.04E-10	1.14E-09	1.86E-10	2.56E-11	2.11E-10	9.98E-10	1.19E-10	1.12E-09	1.03E-10	8.69E-12	1.12E-10
811	436797.1	3725077	9.45E-10	2.05E-10	1.15E-09	1.87E-10	2.58E-11	2.12E-10	1.00E-09	1.20E-10	1.12E-09	1.03E-10	8.74E-12	1.12E-10
812	436801.1	3725068	9.51E-10	2.07E-10	1.16E-09	1.88E-10	2.59E-11	2.14E-10	1.01E-09	1.20E-10	1.13E-09	1.04E-10	8.79E-12	1.13E-10
813	436805.2	3725060	9.56E-10	2.08E-10	1.16E-09	1.89E-10	2.61E-11	2.15E-10	1.02E-09	1.21E-10	1.14E-09	1.05E-10	8.84E-12	1.13E-10
814	436809.2	3725051	9.63E-10	2.09E-10	1.17E-09	1.90E-10	2.63E-11	2.17E-10	1.02E-09	1.22E-10	1.14E-09	1.05E-10	8.91E-12	1.14E-10
815	436813.2	3725043	9.71E-10	2.11E-10	1.18E-09	1.92E-10	2.65E-11	2.18E-10	1.03E-09	1.23E-10	1.15E-09	1.06E-10	8.98E-12	1.15E-10
816	436817.3	3725034	9.78E-10	2.13E-10	1.19E-09	1.93E-10	2.67E-11	2.20E-10	1.04E-09	1.24E-10	1.16E-09	1.07E-10	9.05E-12	1.16E-10
817	436787.6	3725460	9.32E-10	2.02E-10	1.13E-09	1.84E-10	2.54E-11	2.09E-10	9.90E-10	1.18E-10	1.11E-09	1.02E-10	8.62E-12	1.11E-10
818	436784.4	3725451	9.29E-10	2.02E-10	1.13E-09	1.84E-10	2.54E-11	2.09E-10	9.87E-10	1.18E-10	1.10E-09	1.02E-10	8.59E-12	1.10E-10
819	436781.3	3725442	9.26E-10	2.01E-10	1.13E-09	1.83E-10	2.53E-11	2.08E-10	9.84E-10	1.17E-10	1.10E-09	1.01E-10	8.56E-12	1.10E-10
820	436753	3725362	8.95E-10	1.94E-10	1.09E-09	1.77E-10	2.44E-11	2.01E-10	9.50E-10	1.13E-10	1.06E-09	9.79E-11	8.27E-12	1.06E-10
821	436749.9	3725353	8.88E-10	1.93E-10	1.08E-09	1.75E-10	2.42E-11	2.00E-10	9.44E-10	1.12E-10	1.06E-09	9.72E-11	8.22E-12	1.05E-10
822	436746.7	3725344	8.82E-10	1.92E-10	1.07E-09	1.74E-10	2.41E-11	1.98E-10	9.37E-10	1.12E-10	1.05E-09	9.65E-11	8.16E-12	1.05E-10
823	436743.6	3725335	8.76E-10	1.90E-10	1.07E-09	1.73E-10	2.39E-11	1.97E-10	9.30E-10	1.11E-10	1.04E-09	9.58E-11	8.10E-12	1.04E-10
824	436740.4	3725326	8.70E-10	1.89E-10	1.06E-09	1.72E-10	2.37E-11	1.96E-10	9.24E-10	1.10E-10	1.03E-09	9.52E-11	8.05E-12	1.03E-10
825	436737.3	3725318	8.64E-10	1.88E-10	1.05E-09	1.71E-10	2.36E-11	1.94E-10	9.18E-10	1.09E-10	1.03E-09	9.45E-11	7.99E-12	1.02E-10
826	436734.1	3725309	8.57E-10	1.86E-10	1.04E-09	1.69E-10	2.34E-11	1.93E-10	9.10E-10	1.09E-10	1.02E-09	9.37E-11	7.93E-12	1.02E-10
827	436731	3725300	8.51E-10	1.85E-10	1.04E-09	1.68E-10	2.32E-11	1.91E-10	9.04E-10	1.08E-10	1.01E-09	9.31E-11	7.87E-12	1.01E-10
828	436727.9	3725291	8.44E-10	1.83E-10	1.03E-09	1.67E-10	2.30E-11	1.90E-10	8.97E-10	1.07E-10	1.00E-09	9.24E-11	7.81E-12	1.00E-10
829	436724.7	3725282	8.39E-10	1.82E-10	1.02E-09	1.66E-10	2.29E-11	1.89E-10	8.91E-10	1.06E-10	9.97E-10	9.18E-11	7.76E-12	9.95E-11
830	436721.6	3725273	8.33E-10	1.81E-10	1.01E-09	1.65E-10	2.27E-11	1.87E-10	8.85E-10	1.05E-10	9.90E-10	9.11E-11	7.70E-12	9.88E-11
831	436718.4	3725264	8.28E-10	1.80E-10	1.01E-09	1.64E-10	2.26E-11	1.86E-10	8.80E-10	1.05E-10	9.84E-10	9.06E-11	7.66E-12	9.82E-11
832	436715.3	3725255	8.24E-10	1.79E-10	1.00E-09	1.63E-10	2.25E-11	1.85E-10	8.75E-10	1.04E-10	9.79E-10	9.01E-11	7.62E-12	9.77E-11

833	436712.1	3725246	8.19E-10	1.78E-10	9.97E-10	1.62E-10	2.24E-11	1.84E-10	8.70E-10	1.04E-10	9.74E-10	8.96E-11	7.58E-12	9.72E-11
834	436709	3725237	8.15E-10	1.77E-10	9.92E-10	1.61E-10	2.22E-11	1.83E-10	8.66E-10	1.03E-10	9.69E-10	8.91E-11	7.54E-12	9.67E-11
835	436705.8	3725228	8.10E-10	1.76E-10	9.86E-10	1.60E-10	2.21E-11	1.82E-10	8.60E-10	1.03E-10	9.63E-10	8.86E-11	7.49E-12	9.61E-11
836	436702.7	3725220	8.05E-10	1.75E-10	9.80E-10	1.59E-10	2.20E-11	1.81E-10	8.56E-10	1.02E-10	9.58E-10	8.81E-11	7.45E-12	9.56E-11
837	436699.6	3725211	8.00E-10	1.74E-10	9.74E-10	1.58E-10	2.18E-11	1.80E-10	8.50E-10	1.01E-10	9.52E-10	8.76E-11	7.40E-12	9.50E-11
838	436700.5	3725193	8.01E-10	1.74E-10	9.75E-10	1.58E-10	2.19E-11	1.80E-10	8.51E-10	1.01E-10	9.52E-10	8.76E-11	7.41E-12	9.50E-11
839	436728.9	3725134	8.39E-10	1.82E-10	1.02E-09	1.66E-10	2.29E-11	1.89E-10	8.92E-10	1.06E-10	9.98E-10	9.18E-11	7.76E-12	9.96E-11
840	436733	3725125	8.45E-10	1.84E-10	1.03E-09	1.67E-10	2.31E-11	1.90E-10	8.98E-10	1.07E-10	1.00E-09	9.24E-11	7.82E-12	1.00E-10
841	436737	3725117	8.50E-10	1.85E-10	1.03E-09	1.68E-10	2.32E-11	1.91E-10	9.03E-10	1.08E-10	1.01E-09	9.30E-11	7.86E-12	1.01E-10
842	436741.1	3725108	8.59E-10	1.87E-10	1.05E-09	1.70E-10	2.34E-11	1.93E-10	9.12E-10	1.09E-10	1.02E-09	9.40E-11	7.94E-12	1.02E-10
843	436745.2	3725100	8.68E-10	1.89E-10	1.06E-09	1.71E-10	2.37E-11	1.95E-10	9.22E-10	1.10E-10	1.03E-09	9.49E-11	8.02E-12	1.03E-10
844	436749.2	3725091	8.76E-10	1.90E-10	1.07E-09	1.73E-10	2.39E-11	1.97E-10	9.31E-10	1.11E-10	1.04E-09	9.59E-11	8.11E-12	1.04E-10
845	436753.3	3725082	8.83E-10	1.92E-10	1.08E-09	1.74E-10	2.41E-11	1.99E-10	9.38E-10	1.12E-10	1.05E-09	9.66E-11	8.17E-12	1.05E-10
846	436757.3	3725074	8.88E-10	1.93E-10	1.08E-09	1.75E-10	2.42E-11	2.00E-10	9.44E-10	1.12E-10	1.06E-09	9.72E-11	8.22E-12	1.05E-10
847	436759.1	3725490	8.88E-10	1.93E-10	1.08E-09	1.75E-10	2.42E-11	2.00E-10	9.44E-10	1.12E-10	1.06E-09	9.72E-11	8.22E-12	1.05E-10
848	436756	3725482	8.86E-10	1.92E-10	1.08E-09	1.75E-10	2.42E-11	1.99E-10	9.41E-10	1.12E-10	1.05E-09	9.69E-11	8.19E-12	1.05E-10
849	436752.9	3725473	8.84E-10	1.92E-10	1.08E-09	1.75E-10	2.41E-11	1.99E-10	9.39E-10	1.12E-10	1.05E-09	9.67E-11	8.18E-12	1.05E-10
850	436749.8	3725464	8.83E-10	1.92E-10	1.08E-09	1.74E-10	2.41E-11	1.99E-10	9.38E-10	1.12E-10	1.05E-09	9.66E-11	8.17E-12	1.05E-10
851	436746.7	3725455	8.83E-10	1.92E-10	1.07E-09	1.74E-10	2.41E-11	1.98E-10	9.38E-10	1.12E-10	1.05E-09	9.66E-11	8.16E-12	1.05E-10
852	436743.6	3725446	8.83E-10	1.92E-10	1.07E-09	1.74E-10	2.41E-11	1.98E-10	9.38E-10	1.12E-10	1.05E-09	9.66E-11	8.16E-12	1.05E-10
853	436740.5	3725437	8.80E-10	1.91E-10	1.07E-09	1.74E-10	2.40E-11	1.98E-10	9.35E-10	1.11E-10	1.05E-09	9.63E-11	8.14E-12	1.04E-10
854	436737.3	3725429	8.78E-10	1.91E-10	1.07E-09	1.73E-10	2.39E-11	1.97E-10	9.32E-10	1.11E-10	1.04E-09	9.60E-11	8.12E-12	1.04E-10
855	436712.5	3725358	8.35E-10	1.81E-10	1.02E-09	1.65E-10	2.28E-11	1.88E-10	8.87E-10	1.06E-10	9.93E-10	9.13E-11	7.72E-12	9.91E-11
856	436709.3	3725349	8.29E-10	1.80E-10	1.01E-09	1.64E-10	2.26E-11	1.86E-10	8.81E-10	1.05E-10	9.86E-10	9.07E-11	7.67E-12	9.84E-11
857	436706.2	3725341	8.24E-10	1.79E-10	1.00E-09	1.63E-10	2.25E-11	1.85E-10	8.75E-10	1.04E-10	9.79E-10	9.01E-11	7.62E-12	9.77E-11
858	436703.1	3725332	8.18E-10	1.78E-10	9.96E-10	1.62E-10	2.23E-11	1.84E-10	8.69E-10	1.04E-10	9.72E-10	8.95E-11	7.57E-12	9.70E-11
859	436700	3725323	8.12E-10	1.76E-10	9.89E-10	1.60E-10	2.22E-11	1.83E-10	8.63E-10	1.03E-10	9.66E-10	8.89E-11	7.51E-12	9.64E-11
860	436696.9	3725314	8.06E-10	1.75E-10	9.81E-10	1.59E-10	2.20E-11	1.81E-10	8.56E-10	1.02E-10	9.58E-10	8.82E-11	7.45E-12	9.56E-11
861	436693.8	3725305	8.00E-10	1.74E-10	9.74E-10	1.58E-10	2.18E-11	1.80E-10	8.50E-10	1.01E-10	9.52E-10	8.76E-11	7.40E-12	9.50E-11
862	436690.7	3725297	7.94E-10	1.73E-10	9.67E-10	1.57E-10	2.17E-11	1.79E-10	8.44E-10	1.01E-10	9.44E-10	8.69E-11	7.34E-12	9.42E-11
863	436687.6	3725288	7.89E-10	1.71E-10	9.61E-10	1.56E-10	2.15E-11	1.77E-10	8.38E-10	9.99E-11	9.38E-10	8.63E-11	7.30E-12	9.36E-11
864	436684.5	3725279	7.85E-10	1.70E-10	9.55E-10	1.55E-10	2.14E-11	1.76E-10	8.33E-10	9.94E-11	9.33E-10	8.58E-11	7.26E-12	9.31E-11
865	436681.4	3725270	7.80E-10	1.69E-10	9.49E-10	1.54E-10	2.13E-11	1.75E-10	8.28E-10	9.87E-11	9.27E-10	8.53E-11	7.21E-12	9.25E-11
866	436678.2	3725261	7.75E-10	1.68E-10	9.44E-10	1.53E-10	2.12E-11	1.74E-10	8.23E-10	9.82E-11	9.22E-10	8.48E-11	7.17E-12	9.20E-11
867	436675.1	3725253	7.71E-10	1.68E-10	9.39E-10	1.52E-10	2.11E-11	1.73E-10	8.19E-10	9.77E-11	9.17E-10	8.44E-11	7.14E-12	9.15E-11
868	436672	3725244	7.67E-10	1.67E-10	9.34E-10	1.52E-10	2.09E-11	1.72E-10	8.15E-10	9.71E-11	9.12E-10	8.39E-11	7.09E-12	9.10E-11
869	436688.6	3725132	7.88E-10	1.71E-10	9.59E-10	1.56E-10	2.15E-11	1.77E-10	8.37E-10	9.98E-11	9.37E-10	8.62E-11	7.29E-12	9.35E-11
870	436692.6	3725124	7.93E-10	1.72E-10	9.66E-10	1.57E-10	2.16E-11	1.78E-10	8.43E-10	1.00E-10	9.43E-10	8.68E-11	7.34E-12	9.41E-11
871	436696.7	3725115	7.99E-10	1.73E-10	9.72E-10	1.58E-10	2.18E-11	1.80E-10	8.48E-10	1.01E-10	9.49E-10	8.74E-11	7.39E-12	9.47E-11
872	436700.7	3725107	8.04E-10	1.75E-10	9.79E-10	1.59E-10	2.19E-11	1.81E-10	8.54E-10	1.02E-10	9.56E-10	8.80E-11	7.44E-12	9.54E-11
873	436704.7	3725098	8.11E-10	1.76E-10	9.87E-10	1.60E-10	2.21E-11	1.82E-10	8.62E-10	1.03E-10	9.64E-10	8.87E-11	7.50E-12	9.62E-11
874	436708.7	3725090	8.19E-10	1.78E-10	9.97E-10	1.62E-10	2.24E-11	1.84E-10	8.70E-10	1.04E-10	9.74E-10	8.96E-11	7.58E-12	9.72E-11
875	436712.7	3725082	8.28E-10	1.80E-10	1.01E-09	1.64E-10	2.26E-11	1.86E-10	8.80E-10	1.05E-10	9.84E-10	9.06E-11	7.66E-12	9.82E-11
876	436788.2	3725684	9.61E-10	2.09E-10	1.17E-09	1.90E-10	2.62E-11	2.16E-10	1.02E-09	1.22E-10	1.14E-09	1.05E-10	8.89E-12	1.14E-10
877	436785.1	3725675	9.54E-10	2.07E-10	1.16E-09	1.88E-10	2.60E-11	2.15E-10	1.01E-09	1.21E-10	1.13E-09	1.04E-10	8.83E-12	1.13E-10
878	436782	3725666	9.48E-10	2.06E-10	1.15E-09	1.87E-10	2.59E-11	2.13E-10	1.01E-09	1.20E-10	1.13E-09	1.04E-10	8.77E-12	1.12E-10
879	436778.9	3725657	9.42E-10	2.05E-10	1.15E-09	1.86E-10	2.57E-11	2.12E-10	1.00E-09	1.19E-10	1.12E-09	1.03E-10	8.71E-12	1.12E-10
880	436772.6	3725640	9.21E-10	2.00E-10	1.12E-09	1.82E-10	2.51E-11	2.07E-10	9.78E-10	1.17E-10	1.09E-09	1.01E-10	8.52E-12	1.09E-10
881	436769.5	3725631	9.12E-10	1.98E-10	1.11E-09	1.80E-10	2.49E-11	2.05E-10	9.69E-10	1.16E-10	1.08E-09	9.98E-11	8.44E-12	1.08E-10
882	436766.4	3725622	9.06E-10	1.97E-10	1.10E-09	1.79E-10	2.47E-11	2.04E-10	9.62E-10	1.15E-10	1.08E-09	9.91E-11	8.38E-12	1.07E-10
883	436763.2	3725613	9.01E-10	1.96E-10	1.10E-09	1.78E-10	2.46E-11	2.03E-10	9.57E-10	1.14E-10	1.07E-09	9.86E-11	8.33E-12	1.07E-10
884	436760.1	3725604	8.97E-10	1.95E-10	1.09E-09	1.77E-10	2.45E-11	2.02E-10	9.52E-10	1.14E-10	1.07E-09	9.81E-11	8.29E-12	1.06E-10
885	436757	3725595	8.91E-10	1.94E-10	1.09E-09	1.76E-10	2.43E-11	2.00E-10	9.47E-10	1.13E-10	1.06E-09	9.75E-11	8.25E-12	1.06E-10
886	436753.9	3725587	8.86E-10	1.92E-10	1.08E-09	1.75E-10	2.42E-11	1.99E-10	9.41E-10	1.12E-10	1.05E-09	9.69E-11	8.19E-12	1.05E-10
887	436750.8	3725578	8.81E-10	1.91E-10	1.07E-09	1.74E-10	2.40E-11	1.98E-10	9.36E-10	1.12E-10	1.05E-09	9.64E-11	8.15E-12	1.05E-10
888	436747.6	3725569	8.76E-10	1.90E-10	1.07E-09	1.73E-10	2.39E-11	1.97E-10	9.30E-10	1.11E-10	1.04E-09	9.58E-11	8.10E-12	1.04E-10
889	436744.5	3725560	8.71E-10	1.89E-10	1.06E-09	1.72E-10	2.38E-11	1.96E-10	9.25E-10	1.10E-10	1.04E-09	9.53E-11	8.05E-12	1.03E-10
890	436741.4	3725551	8.66E-10	1.88E-10	1.05E-09	1.71E-10	2.36E-11	1.95E-10	9.20E-10	1.10E-10	1.03E-09	9.48E-11	8.01E-12	1.03E-10
891	436716.4	3725480	8.42E-10	1.83E-10	1.03E-09	1.66E-10	2.30E-11	1.89E-10	8.95E-10	1.07E-10	1.00E-09	9.22E-11	7.79E-12	1.00E-10
892	436713.3	3725472	8.42E-10	1.83E-10	1.02E-09	1.66E-10	2.30E-11	1.89E-10	8.94E-10	1.07E-10	1.00E-09	9.21E-11	7.79E-12	9.99E-11
893	436710.2	3725463	8.41E-10	1.83E-10	1.02E-09	1.66E-10	2.30E-11	1.89E-10	8.94E-10	1.07E-10	1.00E-09	9.20E-11	7.78E-12	9.98E-11
894	436707.1	3725454	8.41E-10	1.83E-10	1.02E-09	1.66E-10	2.29E-11	1.89E-10	8.93E-10	1.06E-10	9.99E-10	9.20E-11	7.77E-12	9.97E-11
895	436703.9	3725445	8.41E-10	1.83E-10	1.02E-09	1.66E-10	2.30E-11	1.89E-10	8.94E-10	1.07E-10	1.00E-09	9.20E-11	7.78E-12	9.98E-11
896	436700.8	3725436	8.41E-10	1.83E-10	1.02E-09	1.66E-10	2.29E-11	1.89E-10	8.93E-10	1.06E-10	9.99E-10	9.20E-11	7.77E-12	9.97E-11
897	436697.7	3725427	8.40E-10	1.82E-10	1.02E-09	1.66E-10	2.29E-11	1.89E-10	8.92E-10	1.06E-10	9.99E-10	9.19E-11	7.77E-12	9.97E-11
898	436694.6	3725419	8.38E-10	1.82E-10	1.02E-09	1.66E-10	2.29E-11	1.88E-10	8.90E-10	1.06E-10	9.96E-10	9.17E-11	7.75E-12	9.94E-11
899	436691.4	3725410	8.31E-10	1.81E-10	1.01E-09	1.64E-10	2.27E-11	1.87E-10	8.83E-10	1.05E-10	9.88E-10	9.09E-11	7.69E-12	9.86E-11
900	436632.1	3725242	7.21E-10	1.57E-10	8.78E-10	1.42E-10	1.97E-11	1.62E-10	7.66E-10	9.13E-11	8.57E-10	7.89E-11	6.67E-12	8.56E-11
901	436664.9	3725096	7.55E-10	1.64E-10	9.18E-10	1.49E-10	2.06E-11	1.70E-10	8.01E-10	9.55E-11	8.97E-10	8.25E-11	6.98E-12	8.95E-11
902	436764.5	3725728	9.11E-10	1.98E-10	1.11E-09	1.80E-10	2.49E-11	2.05E-10	9.68E-10	1.15E-10	1.08E-09	9.97E-11	8.43E-12	1.08E-10
903	436761.4	3725719	9.10E-10	1.98E-10	1.11E-09	1.80E-10	2.48E-11	2.05E-10	9.67E-10	1.15E-10	1.08E-09	9.96E-11	8.42E-12	1.08E-10
904	436758.2	3725710	9.10E-10	1.98E-10	1.11E-09	1.80E-10	2.48E-11	2.04E-10	9.66E-10	1.15E-10	1.08E-09	9.95E-11	8.41E-12	1.08E-10
905	436755.1	3725701	9.10E-10	1.98E-10	1.11E-09	1.80E-10	2.48E-11	2.04E-10	9.66E-10	1.15E-10	1.08E-09	9.95E-11	8.41E-12	1.08E-10
906	436752	3725692	9.10E-10	1.98E-10	1.11E-09	1.80E-10	2.48E-11	2.04E-10	9.66E-10	1.15E-10	1.08E-09	9.95E-11	8.41E-12	1.08E-10
907	436748.8	3725683	9.05E-10	1.97E-10	1.10E-09	1.79E-10	2.47E-11	2.04E-10	9.62E-10	1.15E-10	1.08E-09	9.90E-11	8.37E-12	1.07E-10
908	436745.7	3725674	8.98E-10	1.95E-10	1.09E-09	1.77E-10	2.45E-11	2.02E-10	9.54E-10	1.14E-10	1.07E-09	9.82E-11	8.30E-12	1.07E-10

909	436742.6	3725666	8.89E-10	1.93E-10	1.08E-09	1.76E-10	2.43E-11	2.00E-10	9.44E-10	1.13E-10	1.06E-09	9.72E-11	8.22E-12	1.05E-10
910	436739.5	3725657	8.81E-10	1.91E-10	1.07E-09	1.74E-10	2.40E-11	1.98E-10	9.36E-10	1.12E-10	1.05E-09	9.64E-11	8.15E-12	1.05E-10
911	436736.3	3725648	8.75E-10	1.90E-10	1.06E-09	1.73E-10	2.39E-11	1.97E-10	9.29E-10	1.11E-10	1.04E-09	9.57E-11	8.09E-12	1.04E-10
912	436733.2	3725639	8.68E-10	1.89E-10	1.06E-09	1.71E-10	2.37E-11	1.95E-10	9.22E-10	1.10E-10	1.03E-09	9.50E-11	8.03E-12	1.03E-10
913	436730.1	3725630	8.63E-10	1.87E-10	1.05E-09	1.70E-10	2.35E-11	1.94E-10	9.16E-10	1.09E-10	1.03E-09	9.44E-11	7.98E-12	1.02E-10
914	436726.9	3725621	8.58E-10	1.86E-10	1.04E-09	1.69E-10	2.34E-11	1.93E-10	9.11E-10	1.09E-10	1.02E-09	9.38E-11	7.93E-12	1.02E-10
915	436723.8	3725612	8.53E-10	1.85E-10	1.04E-09	1.68E-10	2.33E-11	1.92E-10	9.06E-10	1.08E-10	1.01E-09	9.33E-11	7.88E-12	1.01E-10
916	436720.7	3725603	8.49E-10	1.84E-10	1.03E-09	1.68E-10	2.32E-11	1.91E-10	9.02E-10	1.07E-10	1.01E-09	9.29E-11	7.85E-12	1.01E-10
917	436717.5	3725595	8.44E-10	1.83E-10	1.03E-09	1.67E-10	2.30E-11	1.90E-10	8.97E-10	1.07E-10	1.00E-09	9.24E-11	7.81E-12	1.00E-10
918	436714.4	3725586	8.39E-10	1.82E-10	1.02E-09	1.66E-10	2.29E-11	1.89E-10	8.91E-10	1.06E-10	9.97E-10	9.18E-11	7.76E-12	9.95E-11
919	436711.3	3725577	8.33E-10	1.81E-10	1.01E-09	1.65E-10	2.27E-11	1.87E-10	8.85E-10	1.05E-10	9.90E-10	9.11E-11	7.70E-12	9.88E-11
920	436708.1	3725568	8.27E-10	1.80E-10	1.01E-09	1.63E-10	2.26E-11	1.86E-10	8.79E-10	1.05E-10	9.84E-10	9.05E-11	7.65E-12	9.82E-11
921	436705	3725559	8.23E-10	1.79E-10	1.00E-09	1.63E-10	2.25E-11	1.85E-10	8.74E-10	1.04E-10	9.78E-10	9.00E-11	7.61E-12	9.76E-11
922	436701.9	3725550	8.18E-10	1.78E-10	9.96E-10	1.62E-10	2.23E-11	1.84E-10	8.69E-10	1.04E-10	9.72E-10	8.95E-11	7.57E-12	9.70E-11
923	436698.7	3725541	8.13E-10	1.77E-10	9.90E-10	1.61E-10	2.22E-11	1.83E-10	8.64E-10	1.03E-10	9.66E-10	8.89E-11	7.52E-12	9.65E-11
924	436695.6	3725532	8.09E-10	1.76E-10	9.84E-10	1.60E-10	2.21E-11	1.82E-10	8.59E-10	1.02E-10	9.61E-10	8.85E-11	7.48E-12	9.59E-11
925	436670.5	3725462	8.02E-10	1.74E-10	9.76E-10	1.58E-10	2.19E-11	1.80E-10	8.52E-10	1.02E-10	9.53E-10	8.77E-11	7.41E-12	9.51E-11
926	436667.4	3725453	7.99E-10	1.73E-10	9.72E-10	1.58E-10	2.18E-11	1.80E-10	8.48E-10	1.01E-10	9.49E-10	8.74E-11	7.39E-12	9.47E-11
927	436664.3	3725444	7.95E-10	1.73E-10	9.67E-10	1.57E-10	2.17E-11	1.79E-10	8.44E-10	1.01E-10	9.45E-10	8.69E-11	7.35E-12	9.43E-11
928	436661.1	3725435	7.92E-10	1.72E-10	9.64E-10	1.56E-10	2.16E-11	1.78E-10	8.41E-10	1.00E-10	9.41E-10	8.66E-11	7.32E-12	9.39E-11
929	436658	3725426	7.88E-10	1.71E-10	9.59E-10	1.56E-10	2.15E-11	1.77E-10	8.37E-10	9.98E-11	9.37E-10	8.62E-11	7.29E-12	9.35E-11
930	436654.9	3725417	7.85E-10	1.70E-10	9.55E-10	1.55E-10	2.14E-11	1.76E-10	8.33E-10	9.94E-11	9.33E-10	8.58E-11	7.26E-12	9.31E-11
931	436595.4	3725249	6.87E-10	1.49E-10	8.36E-10	1.36E-10	1.87E-11	1.54E-10	7.29E-10	8.69E-11	8.16E-10	7.51E-11	6.35E-12	8.15E-11
932	436592.2	3725240	6.84E-10	1.49E-10	8.32E-10	1.35E-10	1.87E-11	1.54E-10	7.26E-10	8.66E-11	8.13E-10	7.48E-11	6.32E-12	8.11E-11
933	436589.1	3725231	6.82E-10	1.48E-10	8.31E-10	1.35E-10	1.86E-11	1.53E-10	7.25E-10	8.64E-11	8.11E-10	7.46E-11	6.31E-12	8.09E-11
934	436586	3725222	6.83E-10	1.48E-10	8.31E-10	1.35E-10	1.86E-11	1.54E-10	7.25E-10	8.65E-11	8.12E-10	7.47E-11	6.32E-12	8.10E-11
935	436582.8	3725213	6.85E-10	1.49E-10	8.34E-10	1.35E-10	1.87E-11	1.54E-10	7.28E-10	8.68E-11	8.15E-10	7.50E-11	6.34E-12	8.13E-11
936	436725.1	3725727	8.58E-10	1.86E-10	1.04E-09	1.70E-10	2.34E-11	1.93E-10	9.12E-10	1.09E-10	1.02E-09	9.39E-11	7.94E-12	1.02E-10
937	436722	3725718	8.59E-10	1.87E-10	1.05E-09	1.70E-10	2.34E-11	1.93E-10	9.12E-10	1.09E-10	1.02E-09	9.40E-11	7.94E-12	1.02E-10
938	436718.9	3725709	8.56E-10	1.86E-10	1.04E-09	1.69E-10	2.34E-11	1.92E-10	9.10E-10	1.08E-10	1.02E-09	9.37E-11	7.92E-12	1.02E-10
939	436715.7	3725700	8.53E-10	1.85E-10	1.04E-09	1.68E-10	2.33E-11	1.92E-10	9.06E-10	1.08E-10	1.01E-09	9.33E-11	7.88E-12	1.01E-10
940	436712.6	3725692	8.48E-10	1.84E-10	1.03E-09	1.68E-10	2.31E-11	1.91E-10	9.01E-10	1.07E-10	1.01E-09	9.28E-11	7.84E-12	1.01E-10
941	436709.4	3725683	8.44E-10	1.83E-10	1.03E-09	1.67E-10	2.30E-11	1.90E-10	8.96E-10	1.07E-10	1.00E-09	9.23E-11	7.80E-12	1.00E-10
942	436706.3	3725674	8.40E-10	1.82E-10	1.02E-09	1.66E-10	2.29E-11	1.89E-10	8.92E-10	1.06E-10	9.99E-10	9.19E-11	7.77E-12	9.97E-11
943	436703.2	3725665	8.36E-10	1.82E-10	1.02E-09	1.65E-10	2.28E-11	1.88E-10	8.88E-10	1.06E-10	9.93E-10	9.14E-11	7.73E-12	9.91E-11
944	436700	3725656	8.30E-10	1.80E-10	1.01E-09	1.64E-10	2.26E-11	1.87E-10	8.82E-10	1.05E-10	9.87E-10	9.08E-11	7.68E-12	9.85E-11
945	436696.9	3725647	8.26E-10	1.79E-10	1.00E-09	1.63E-10	2.25E-11	1.86E-10	8.77E-10	1.05E-10	9.81E-10	9.03E-11	7.64E-12	9.79E-11
946	436693.7	3725638	8.22E-10	1.79E-10	1.00E-09	1.62E-10	2.24E-11	1.85E-10	8.73E-10	1.04E-10	9.77E-10	8.99E-11	7.60E-12	9.75E-11
947	436690.6	3725629	8.19E-10	1.78E-10	9.96E-10	1.62E-10	2.23E-11	1.84E-10	8.70E-10	1.04E-10	9.73E-10	8.96E-11	7.57E-12	9.71E-11
948	436687.4	3725620	8.15E-10	1.77E-10	9.92E-10	1.61E-10	2.22E-11	1.83E-10	8.66E-10	1.03E-10	9.69E-10	8.91E-11	7.54E-12	9.67E-11
949	436684.3	3725612	8.11E-10	1.76E-10	9.87E-10	1.60E-10	2.21E-11	1.82E-10	8.62E-10	1.03E-10	9.64E-10	8.87E-11	7.50E-12	9.62E-11
950	436681.2	3725603	8.07E-10	1.75E-10	9.83E-10	1.59E-10	2.20E-11	1.81E-10	8.58E-10	1.02E-10	9.60E-10	8.83E-11	7.47E-12	9.58E-11
951	436678	3725594	8.04E-10	1.75E-10	9.78E-10	1.59E-10	2.19E-11	1.81E-10	8.54E-10	1.02E-10	9.55E-10	8.79E-11	7.43E-12	9.53E-11
952	436674.9	3725585	7.98E-10	1.73E-10	9.71E-10	1.58E-10	2.18E-11	1.79E-10	8.48E-10	1.01E-10	9.49E-10	8.73E-11	7.38E-12	9.47E-11
953	436671.7	3725576	7.90E-10	1.72E-10	9.62E-10	1.56E-10	2.16E-11	1.78E-10	8.40E-10	1.00E-10	9.40E-10	8.65E-11	7.31E-12	9.38E-11
954	436668.6	3725567	7.83E-10	1.70E-10	9.54E-10	1.55E-10	2.14E-11	1.76E-10	8.32E-10	9.92E-11	9.31E-10	8.57E-11	7.25E-12	9.29E-11
955	436665.5	3725558	7.79E-10	1.69E-10	9.48E-10	1.54E-10	2.13E-11	1.75E-10	8.27E-10	9.86E-11	9.26E-10	8.52E-11	7.21E-12	9.24E-11
956	436662.3	3725549	7.76E-10	1.69E-10	9.44E-10	1.53E-10	2.12E-11	1.74E-10	8.24E-10	9.82E-11	9.22E-10	8.49E-11	7.18E-12	9.21E-11
957	436659.2	3725540	7.73E-10	1.68E-10	9.41E-10	1.53E-10	2.11E-11	1.74E-10	8.21E-10	9.79E-11	9.19E-10	8.46E-11	7.15E-12	9.18E-11
958	436656	3725531	7.72E-10	1.68E-10	9.40E-10	1.53E-10	2.11E-11	1.74E-10	8.20E-10	9.78E-11	9.18E-10	8.45E-11	7.14E-12	9.16E-11
959	436652.9	3725523	7.73E-10	1.68E-10	9.41E-10	1.53E-10	2.11E-11	1.74E-10	8.21E-10	9.78E-11	9.19E-10	8.45E-11	7.15E-12	9.17E-11
960	436561.8	3725265	6.60E-10	1.43E-10	8.03E-10	1.30E-10	1.80E-11	1.48E-10	7.01E-10	8.35E-11	7.84E-10	7.22E-11	6.10E-12	7.83E-11
961	436558.6	3725256	6.57E-10	1.43E-10	7.99E-10	1.30E-10	1.79E-11	1.48E-10	6.97E-10	8.31E-11	7.80E-10	7.18E-11	6.07E-12	7.79E-11
962	436555.5	3725247	6.53E-10	1.42E-10	7.95E-10	1.29E-10	1.78E-11	1.47E-10	6.94E-10	8.27E-11	7.77E-10	7.15E-11	6.04E-12	7.75E-11
963	436552.3	3725238	6.50E-10	1.41E-10	7.92E-10	1.28E-10	1.77E-11	1.46E-10	6.91E-10	8.23E-11	7.73E-10	7.11E-11	6.01E-12	7.71E-11
964	436549.2	3725229	6.51E-10	1.41E-10	7.92E-10	1.29E-10	1.78E-11	1.46E-10	6.91E-10	8.24E-11	7.74E-10	7.12E-11	6.02E-12	7.72E-11
965	437547.8	3725319	1.50E-07	3.25E-08	1.82E-07	2.96E-08	4.09E-09	3.37E-08	1.59E-07	1.90E-08	1.78E-07	1.64E-08	1.39E-09	1.78E-08
966	437559.6	3725333	1.84E-07	4.00E-08	2.24E-07	3.64E-08	5.02E-09	4.14E-08	1.96E-07	2.33E-08	2.19E-07	2.01E-08	1.70E-09	2.18E-08
967	437528.6	3725313	9.37E-08	2.04E-08	1.14E-07	1.85E-08	2.56E-09	2.11E-08	9.95E-08	1.19E-08	1.11E-07	1.02E-08	8.66E-10	1.11E-08
968	437540.4	3725326	1.18E-07	2.56E-08	1.43E-07	2.33E-08	3.22E-09	2.65E-08	1.25E-07	1.49E-08	1.40E-07	1.29E-08	1.09E-09	1.40E-08
969	437552.2	3725339	1.43E-07	3.12E-08	1.75E-07	2.83E-08	3.91E-09	3.22E-08	1.52E-07	1.82E-08	1.71E-07	1.57E-08	1.33E-09	1.70E-08
970	437509.3	3725307	6.20E-08	1.35E-08	7.55E-08	1.22E-08	1.69E-09	1.39E-08	6.58E-08	7.85E-09	7.37E-08	6.78E-09	5.73E-10	7.36E-09
971	437521.2	3725320	7.75E-08	1.68E-08	9.43E-08	1.53E-08	2.11E-09	1.74E-08	8.23E-08	9.81E-09	9.21E-08	8.48E-09	7.17E-10	9.19E-09
972	437533	3725333	9.55E-08	2.08E-08	1.16E-07	1.89E-08	2.61E-09	2.15E-08	1.01E-07	1.21E-08	1.14E-07	1.05E-08	8.84E-10	1.13E-08
973	437544.8	3725346	1.15E-07	2.50E-08	1.40E-07	2.27E-08	3.14E-09	2.58E-08	1.22E-07	1.46E-08	1.37E-07	1.26E-08	1.06E-09	1.36E-08
974	437501.9	3725314	5.34E-08	1.16E-08	6.50E-08	1.05E-08	1.46E-09	1.20E-08	5.67E-08	6.76E-09	6.35E-08	5.84E-09	4.94E-10	6.34E-09
975	437513.7	3725327	6.54E-08	1.42E-08	7.96E-08	1.29E-08	1.78E-09	1.47E-08	6.94E-08	8.28E-09	7.77E-08	7.15E-09	6.05E-10	7.76E-09
976	437525.6	3725340	7.93E-08	1.72E-08	9.65E-08	1.57E-08	2.16E-09	1.78E-08	8.42E-08	1.00E-08	9.42E-08	8.67E-09	7.33E-10	9.40E-09
977	437537.4	3725353	9.42E-08	2.05E-08	1.15E-07	1.86E-08	2.57E-09	2.12E-08	1.00E-07	1.19E-08	1.12E-07	1.03E-08	8.72E-10	1.12E-08
978	437494.5	3725320	4.67E-08	1.01E-08	5.68E-08	9.22E-09	1.27E-09	1.05E-08	4.96E-08	5.91E-09	5.55E-08	5.10E-09	4.32E-10	5.54E-09
979	437506.3	3725333	5.61E-08	1.22E-08	6.82E-08	1.11E-08	1.53E-09	1.26E-08	5.96E-08	7.10E-09	6.67E-08	6.13E-09	5.19E-10	6.65E-09
980	437518.2	3725346	6.70E-08	1.46E-08	8.15E-08	1.32E-08	1.83E-09	1.51E-08	7.11E-08	8.48E-09	7.96E-08	7.33E-09	6.19E-10	7.95E-09
981	437530	3725359	7.87E-08	1.71E-08	9.59E-08	1.56E-08	2.15E-09	1.77E-08	8.36E-08	9.97E-09	9.36E-08	8.61E-09	7.28E-10	9.34E-09
982	437498.9	3725340	4.87E-08	1.06E-08	5.93E-08	9.62E-09	1.33E-09	1.10E-08	5.17E-08	6.17E-09	5.79E-08	5.33E-09	4.51E-10	5.78E-09
983	437510.7	3725353	5.74E-08	1.25E-08	6.99E-08	1.13E-08	1.57E-09	1.29E-08	6.10E-08	7.27E-09	6.83E-08	6.28E-09	5.31E-10	6.81E-09
984	437522.6	3725366	6.70E-08	1.45E-08	8.15E-08	1.32E-08	1.83E-09	1.51E-08	7.11E-08	8.48E-09	7.96E-08	7.33E-09	6.19E-10	7.94E-09

985	437491.5	3725347	4.29E-08	9.32E-09	5.22E-08	8.47E-09	1.17E-09	9.64E-09	4.56E-08	5.43E-09	5.10E-08	4.69E-09	3.97E-10	5.09E-09
986	437503.3	3725360	4.99E-08	1.08E-08	6.07E-08	9.86E-09	1.36E-09	1.12E-08	5.30E-08	6.32E-09	5.93E-08	5.46E-09	4.62E-10	5.92E-09
987	437515.1	3725373	5.77E-08	1.25E-08	7.02E-08	1.14E-08	1.57E-09	1.30E-08	6.13E-08	7.30E-09	6.86E-08	6.31E-09	5.33E-10	6.84E-09
988	437464.9	3725347	2.94E-08	6.39E-09	3.58E-08	5.81E-09	8.02E-10	6.61E-09	3.12E-08	3.72E-09	3.50E-08	3.22E-09	2.72E-10	3.49E-09
989	437476.7	3725360	3.38E-08	7.35E-09	4.12E-08	6.68E-09	9.23E-10	7.61E-09	3.59E-08	4.29E-09	4.02E-08	3.70E-09	3.13E-10	4.02E-09
990	437488.5	3725373	3.87E-08	8.42E-09	4.72E-08	7.65E-09	1.06E-09	8.71E-09	4.12E-08	4.91E-09	4.61E-08	4.24E-09	3.58E-10	4.60E-09
991	437500.3	3725386	4.40E-08	9.56E-09	5.36E-08	8.69E-09	1.20E-09	9.89E-09	4.67E-08	5.57E-09	5.23E-08	4.81E-09	4.07E-10	5.22E-09
992	437450.1	3725361	2.40E-08	5.21E-09	2.92E-08	4.74E-09	6.55E-10	5.39E-09	2.55E-08	3.04E-09	2.85E-08	2.62E-09	2.22E-10	2.85E-09
993	437441.1	3725440	1.84E-08	3.99E-09	2.23E-08	3.63E-09	5.01E-10	4.13E-09	1.95E-08	2.32E-09	2.18E-08	2.01E-09	1.70E-10	2.18E-09
994	437414.4	3725440	1.42E-08	3.08E-09	1.73E-08	2.80E-09	3.87E-10	3.19E-09	1.51E-08	1.80E-09	1.69E-08	1.55E-09	1.31E-10	1.68E-09
995	437426.2	3725453	1.53E-08	3.33E-09	1.87E-08	3.03E-09	4.19E-10	3.45E-09	1.63E-08	1.94E-09	1.82E-08	1.68E-09	1.42E-10	1.82E-09
996	437399.6	3725454	1.21E-08	2.63E-09	1.47E-08	2.39E-09	3.30E-10	2.72E-09	1.29E-08	1.53E-09	1.44E-08	1.32E-09	1.12E-10	1.44E-09
997	437411.4	3725467	1.30E-08	2.82E-09	1.58E-08	2.56E-09	3.54E-10	2.92E-09	1.38E-08	1.64E-09	1.54E-08	1.42E-09	1.20E-10	1.54E-09
998	437384.8	3725467	1.05E-08	2.27E-09	1.27E-08	2.06E-09	2.85E-10	2.35E-09	1.11E-08	1.32E-09	1.24E-08	1.14E-09	9.66E-11	1.24E-09
999	437486.3	3725363	3.85E-08	8.36E-09	4.68E-08	7.60E-09	1.05E-09	8.65E-09	4.09E-08	4.87E-09	4.57E-08	4.21E-09	3.56E-10	4.57E-09
1000	437290.7	3725439	5.75E-09	1.25E-09	7.00E-09	1.14E-09	1.57E-10	1.29E-09	6.11E-09	7.28E-10	6.83E-09	6.29E-10	5.32E-11	6.82E-10
1001	436672.5	3725698	7.92E-10	1.72E-10	9.64E-10	1.56E-10	2.16E-11	1.78E-10	8.42E-10	1.00E-10	9.42E-10	8.67E-11	7.33E-12	9.40E-11
1002	437557.6	3725323	1.91E-07	4.16E-08	2.33E-07	3.78E-08	5.22E-09	4.30E-08	2.03E-07	2.42E-08	2.27E-07	2.09E-08	1.77E-09	2.27E-08
1003	436768.5	3725455	9.07E-10	1.97E-10	1.10E-09	1.79E-10	2.48E-11	2.04E-10	9.64E-10	1.15E-10	1.08E-09	9.92E-11	8.39E-12	1.08E-10
1004	436729.1	3725462	8.61E-10	1.87E-10	1.05E-09	1.70E-10	2.35E-11	1.94E-10	9.15E-10	1.09E-10	1.02E-09	9.42E-11	7.97E-12	1.02E-10
1005	436689.6	3725469	8.15E-10	1.77E-10	9.93E-10	1.61E-10	2.22E-11	1.83E-10	8.66E-10	1.03E-10	9.69E-10	8.92E-11	7.54E-12	9.68E-11
1006	437438.2	3725332	2.12E-08	4.60E-09	2.58E-08	4.18E-09	5.78E-10	4.76E-09	2.25E-08	2.68E-09	2.52E-08	2.32E-09	1.96E-10	2.51E-09
1007	437418.1	3725328	1.65E-08	3.59E-09	2.01E-08	3.26E-09	4.51E-10	3.71E-09	1.75E-08	2.09E-09	1.96E-08	1.81E-09	1.53E-10	1.96E-09
1008	437118.4	3725342	2.54E-09	5.51E-10	3.09E-09	5.01E-10	6.92E-11	5.70E-10	2.69E-09	3.21E-10	3.02E-09	2.78E-10	2.35E-11	3.01E-10
1009	437058.3	3725339	2.02E-09	4.40E-10	2.46E-09	4.00E-10	5.52E-11	4.55E-10	2.15E-09	2.56E-10	2.41E-09	2.22E-10	1.87E-11	2.40E-10
1010	436998.3	3725340	1.64E-09	3.56E-10	1.99E-09	3.23E-10	4.47E-11	3.68E-10	1.74E-09	2.07E-10	1.95E-09	1.79E-10	1.51E-11	1.94E-10
1011	436958.3	3725342	1.44E-09	3.14E-10	1.76E-09	2.85E-10	3.94E-11	3.25E-10	1.53E-09	1.83E-10	1.72E-09	1.58E-10	1.34E-11	1.71E-10
1012	436918.3	3725343	1.29E-09	2.80E-10	1.57E-09	2.54E-10	3.51E-11	2.90E-10	1.37E-09	1.63E-10	1.53E-09	1.41E-10	1.19E-11	1.53E-10
1013	436878.3	3725344	1.16E-09	2.52E-10	1.41E-09	2.29E-10	3.16E-11	2.60E-10	1.23E-09	1.47E-10	1.38E-09	1.27E-10	1.07E-11	1.37E-10
1014	436838.3	3725345	1.05E-09	2.29E-10	1.28E-09	2.08E-10	2.88E-11	2.37E-10	1.12E-09	1.33E-10	1.25E-09	1.15E-10	9.75E-12	1.25E-10
1015	436798.4	3725346	9.68E-10	2.10E-10	1.18E-09	1.91E-10	2.64E-11	2.17E-10	1.03E-09	1.23E-10	1.15E-09	1.06E-10	8.95E-12	1.15E-10
1016	436758.4	3725347	9.00E-10	1.96E-10	1.10E-09	1.78E-10	2.46E-11	2.02E-10	9.56E-10	1.14E-10	1.07E-09	9.85E-11	8.33E-12	1.07E-10
1017	436718.4	3725349	8.41E-10	1.83E-10	1.02E-09	1.66E-10	2.29E-11	1.89E-10	8.93E-10	1.06E-10	9.99E-10	9.20E-11	7.77E-12	9.97E-11
1018	436678.4	3725350	7.94E-10	1.73E-10	9.67E-10	1.57E-10	2.17E-11	1.79E-10	8.44E-10	1.01E-10	9.44E-10	8.69E-11	7.34E-12	9.42E-11
1019	437334	3725234	7.46E-09	1.62E-09	9.08E-09	1.47E-09	2.03E-10	1.68E-09	7.92E-09	9.44E-10	8.86E-09	8.16E-10	6.90E-11	8.85E-10
1020	437312.6	3725235	6.33E-09	1.37E-09	7.70E-09	1.25E-09	1.73E-10	1.42E-09	6.72E-09	8.01E-10	7.52E-09	6.92E-10	5.85E-11	7.51E-10
1021	437286.9	3725218	5.24E-09	1.14E-09	6.38E-09	1.03E-09	1.43E-10	1.18E-09	5.56E-09	6.63E-10	6.23E-09	5.73E-10	4.84E-11	6.22E-10
1022	437230.3	3725198	3.74E-09	8.13E-10	4.55E-09	7.39E-10	1.02E-10	8.41E-10	3.97E-09	4.74E-10	4.45E-09	4.09E-10	3.46E-11	4.44E-10
1023	436994.5	3725115	1.54E-09	3.35E-10	1.88E-09	3.05E-10	4.21E-11	3.47E-10	1.64E-09	1.95E-10	1.83E-09	1.69E-10	1.43E-11	1.83E-10
1024	437626	3725374	5.15E-07	1.12E-07	6.26E-07	1.02E-07	1.40E-08	1.16E-07	5.47E-07	6.52E-08	6.12E-07	5.63E-08	4.76E-09	6.11E-08
1025	437633.4	3725380	5.37E-07	1.17E-07	6.53E-07	1.06E-07	1.46E-08	1.21E-07	5.70E-07	6.80E-08	6.38E-07	5.87E-08	4.96E-09	6.37E-08
1026	437640.8	3725386	5.53E-07	1.20E-07	6.74E-07	1.09E-07	1.51E-08	1.24E-07	5.88E-07	7.01E-08	6.58E-07	6.05E-08	5.12E-09	6.57E-08
1027	437648.2	3725393	5.66E-07	1.23E-07	6.89E-07	1.12E-07	1.54E-08	1.27E-07	6.01E-07	7.17E-08	6.73E-07	6.19E-08	5.24E-09	6.72E-08
1028	437655.6	3725399	5.74E-07	1.25E-07	6.99E-07	1.13E-07	1.57E-08	1.29E-07	6.10E-07	7.27E-08	6.83E-07	6.28E-08	5.31E-09	6.82E-08
1029	437663	3725405	5.75E-07	1.25E-07	7.00E-07	1.14E-07	1.57E-08	1.29E-07	6.11E-07	7.28E-08	6.83E-07	6.29E-08	5.32E-09	6.82E-08
1030	437670.4	3725411	5.67E-07	1.23E-07	6.91E-07	1.12E-07	1.55E-08	1.28E-07	6.03E-07	7.18E-08	6.75E-07	6.21E-08	5.25E-09	6.73E-08
1031	437619.6	3725381	3.85E-07	8.37E-08	4.69E-07	7.61E-08	1.05E-08	8.66E-08	4.09E-07	4.88E-08	4.58E-07	4.21E-08	3.56E-09	4.57E-08
1032	437627	3725388	4.02E-07	8.74E-08	4.90E-07	7.95E-08	1.10E-08	9.05E-08	4.27E-07	5.10E-08	4.78E-07	4.40E-08	3.72E-09	4.77E-08
1033	437634.3	3725394	4.17E-07	9.06E-08	5.08E-07	8.24E-08	1.14E-08	9.38E-08	4.43E-07	5.28E-08	4.96E-07	4.56E-08	3.86E-09	4.95E-08
1034	437641.7	3725400	4.28E-07	9.29E-08	5.20E-07	8.44E-08	1.17E-08	9.61E-08	4.54E-07	5.41E-08	5.08E-07	4.68E-08	3.95E-09	5.07E-08
1035	437649.1	3725406	4.33E-07	9.42E-08	5.28E-07	8.56E-08	1.18E-08	9.74E-08	4.60E-07	5.49E-08	5.15E-07	4.74E-08	4.01E-09	5.14E-08
1036	437656.5	3725413	4.36E-07	9.47E-08	5.31E-07	8.61E-08	1.19E-08	9.80E-08	4.63E-07	5.52E-08	5.18E-07	4.77E-08	4.03E-09	5.17E-08
1037	437663.9	3725419	4.33E-07	9.40E-08	5.27E-07	8.55E-08	1.18E-08	9.73E-08	4.60E-07	5.48E-08	5.15E-07	4.74E-08	4.00E-09	5.14E-08
1038	437613.1	3725389	2.98E-07	6.47E-08	3.63E-07	5.88E-08	8.13E-09	6.69E-08	3.16E-07	3.77E-08	3.54E-07	3.26E-08	2.75E-09	3.53E-08
1039	437620.5	3725395	3.12E-07	6.78E-08	3.80E-07	6.16E-08	8.51E-09	7.01E-08	3.31E-07	3.95E-08	3.71E-07	3.41E-08	2.89E-09	3.70E-08
1040	437627.9	3725402	3.24E-07	7.04E-08	3.94E-07	6.40E-08	8.84E-09	7.28E-08	3.44E-07	4.10E-08	3.85E-07	3.54E-08	3.00E-09	3.84E-08
1041	437635.3	3725408	3.33E-07	7.23E-08	4.05E-07	6.57E-08	9.08E-09	7.48E-08	3.53E-07	4.21E-08	3.96E-07	3.64E-08	3.08E-09	3.95E-08
1042	437642.6	3725414	3.39E-07	7.36E-08	4.12E-07	6.69E-08	9.24E-09	7.61E-08	3.60E-07	4.29E-08	4.03E-07	3.71E-08	3.13E-09	4.02E-08
1043	437650	3725420	3.42E-07	7.42E-08	4.16E-07	6.75E-08	9.32E-09	7.68E-08	3.63E-07	4.32E-08	4.06E-07	3.74E-08	3.16E-09	4.05E-08
1044	437657.4	3725427	3.41E-07	7.41E-08	4.15E-07	6.74E-08	9.31E-09	7.67E-08	3.63E-07	4.32E-08	4.06E-07	3.73E-08	3.16E-09	4.05E-08
1045	437599.2	3725390	2.24E-07	4.87E-08	2.73E-07	4.43E-08	6.12E-09	5.04E-08	2.38E-07	2.84E-08	2.67E-07	2.45E-08	2.07E-09	2.66E-08
1046	437606.6	3725397	2.37E-07	5.15E-08	2.88E-07	4.68E-08	6.47E-09	5.33E-08	2.52E-07	3.00E-08	2.82E-07	2.59E-08	2.19E-09	2.81E-08
1047	437614	3725403	2.48E-07	5.40E-08	3.02E-07	4.91E-08	6.78E-09	5.58E-08	2.64E-07	3.14E-08	2.95E-07	2.72E-08	2.30E-09	2.95E-08
1048	437621.4	3725409	2.58E-07	5.61E-08	3.14E-07	5.10E-08	7.04E-09	5.80E-08	2.74E-07	3.27E-08	3.07E-07	2.82E-08	2.39E-09	3.06E-08
1049	437628.8	3725415	2.66E-07	5.78E-08	3.24E-07	5.25E-08	7.26E-09	5.98E-08	2.82E-07	3.37E-08	3.16E-07	2.91E-08	2.46E-09	3.15E-08
1050	437636.2	3725422	2.72E-07	5.90E-08	3.31E-07	5.36E-08	7.41E-09	6.10E-08	2.88E-07	3.44E-08	3.23E-07	2.97E-08	2.51E-09	3.22E-08
1051	437643.6	3725428	2.75E-07	5.97E-08	3.35E-07	5.43E-08	7.50E-09	6.18E-08	2.92E-07	3.48E-08	3.27E-07	3.01E-08	2.54E-09	3.26E-08
1052	437651	3725434	2.76E-07	5.99E-08	3.36E-07	5.45E-08	7.53E-09	6.20E-08	2.93E-07	3.49E-08	3.28E-07	3.02E-08	2.55E-09	3.27E-08
1053	437551.3	3725354	1.25E-07	2.71E-08	1.52E-07	2.46E-08	3.40E-09	2.80E-08	1.32E-07	1.58E-08	1.48E-07	1.36E-08	1.15E-09	1.48E-08
1054	437592.8	3725398	1.82E-07	3.96E-08	2.22E-07	3.60E-08	4.97E-09	4.09E-08	1.93E-07	2.31E-08	2.16E-07	1.99E-08	1.68E-09	2.16E-08
1055	437600.1	3725404	1.92E-07	4.18E-08	2.34E-07	3.80E-08	5.25E-09	4.32E-08	2.04E-07	2.44E-08	2.29E-07	2.10E-08	1.78E-09	2.28E-08
1056	437607.5	3725410	2.02E-07	4.38E-08	2.45E-07	3.98E-08	5.50E-09	4.53E-08	2.14E-07	2.55E-08	2.40E-07	2.21E-08	1.86E-09	2.39E-08
1057	437614.9	3725417	2.10E-07	4.56E-08	2.55E-07	4.14E-08	5.72E-09	4.72E-08	2.23E-07	2.66E-08	2.49E-07	2.29E-08	1.94E-09	2.49E-08
1058	437622.3	3725423	2.16E-07	4.70E-08	2.64E-07	4.28E-08	5.91E-09	4.87E-08	2.30E-07	2.74E-08	2.57E-07	2.37E-08	2.00E-09	2.57E-08
1059	437629.7	3725429	2.22E-07	4.82E-08	2.70E-07	4.38E-08	6.05E-09	4.98E-08	2.35E-07	2.81E-08	2.64E-07	2.42E-08	2.05E-09	2.63E-08
1060	437637.1	3725436	2.25E-07	4.89E-08	2.74E-07	4.45E-08	6.14E-09	5.06E-08	2.39E-07	2.85E-08	2.68E-07	2.46E-08	2.08E-09	2.67E-08

1061	437644.5	3725442	2.27E-07	4.93E-08	2.76E-07	4.48E-08	6.19E-09	5.10E-08	2.41E-07	2.87E-08	2.70E-07	2.48E-08	2.10E-09	2.69E-08
1062	437593.7	3725412	1.59E-07	3.45E-08	1.93E-07	3.13E-08	4.33E-09	3.57E-08	1.68E-07	2.01E-08	1.89E-07	1.74E-08	1.47E-09	1.88E-08
1063	437601.1	3725418	1.66E-07	3.61E-08	2.02E-07	3.29E-08	4.54E-09	3.74E-08	1.77E-07	2.11E-08	1.98E-07	1.82E-08	1.54E-09	1.97E-08
1064	437608.4	3725424	1.73E-07	3.76E-08	2.11E-07	3.42E-08	4.72E-09	3.89E-08	1.84E-07	2.19E-08	2.06E-07	1.89E-08	1.60E-09	2.05E-08
1065	437615.8	3725431	1.79E-07	3.89E-08	2.18E-07	3.54E-08	4.88E-09	4.02E-08	1.90E-07	2.27E-08	2.13E-07	1.96E-08	1.66E-09	2.12E-08
1066	437623.2	3725437	1.84E-07	3.99E-08	2.24E-07	3.63E-08	5.01E-09	4.13E-08	1.95E-07	2.33E-08	2.18E-07	2.01E-08	1.70E-09	2.18E-08
1067	437630.6	3725443	1.87E-07	4.06E-08	2.28E-07	3.70E-08	5.10E-09	4.21E-08	1.99E-07	2.37E-08	2.22E-07	2.05E-08	1.73E-09	2.22E-08
1068	437638	3725450	1.89E-07	4.11E-08	2.30E-07	3.74E-08	5.16E-09	4.25E-08	2.01E-07	2.40E-08	2.25E-07	2.07E-08	1.75E-09	2.24E-08
1069	437545.8	3725381	9.25E-08	2.01E-08	1.13E-07	1.83E-08	2.52E-09	2.08E-08	9.83E-08	1.17E-08	1.10E-07	1.01E-08	8.56E-10	1.10E-08
1070	437536.9	3725367	8.60E-08	1.87E-08	1.05E-07	1.70E-08	2.35E-09	1.93E-08	9.13E-08	1.09E-08	1.02E-07	9.41E-09	7.95E-10	1.02E-08
1071	437587.2	3725419	1.33E-07	2.88E-08	1.61E-07	2.62E-08	3.62E-09	2.98E-08	1.41E-07	1.68E-08	1.58E-07	1.45E-08	1.23E-09	1.57E-08
1072	437594.6	3725426	1.39E-07	3.02E-08	1.69E-07	2.75E-08	3.79E-09	3.13E-08	1.48E-07	1.76E-08	1.65E-07	1.52E-08	1.29E-09	1.65E-08
1073	437602	3725432	1.45E-07	3.15E-08	1.76E-07	2.86E-08	3.95E-09	3.26E-08	1.54E-07	1.83E-08	1.72E-07	1.58E-08	1.34E-09	1.72E-08
1074	437609.4	3725438	1.50E-07	3.26E-08	1.82E-07	2.96E-08	4.09E-09	3.37E-08	1.59E-07	1.90E-08	1.78E-07	1.64E-08	1.39E-09	1.78E-08
1075	437616.7	3725445	1.54E-07	3.35E-08	1.88E-07	3.04E-08	4.20E-09	3.46E-08	1.64E-07	1.95E-08	1.83E-07	1.69E-08	1.42E-09	1.83E-08
1076	437624.1	3725451	1.57E-07	3.42E-08	1.92E-07	3.11E-08	4.29E-09	3.54E-08	1.67E-07	1.99E-08	1.87E-07	1.72E-08	1.46E-09	1.87E-08
1077	437631.5	3725457	1.60E-07	3.47E-08	1.94E-07	3.15E-08	4.35E-09	3.59E-08	1.70E-07	2.02E-08	1.90E-07	1.75E-08	1.48E-09	1.89E-08
1078	437538.7	3725388	7.86E-08	1.71E-08	9.56E-08	1.55E-08	2.14E-09	1.77E-08	8.35E-08	9.95E-09	9.34E-08	8.60E-09	7.27E-10	9.32E-09
1079	437533.6	3725380	7.55E-08	1.64E-08	9.19E-08	1.49E-08	2.06E-09	1.70E-08	8.02E-08	9.56E-09	8.98E-08	8.26E-09	6.99E-10	8.96E-09
1080	437532.5	3725396	6.80E-08	1.48E-08	8.28E-08	1.34E-08	1.86E-09	1.53E-08	7.22E-08	8.61E-09	8.08E-08	7.44E-09	6.29E-10	8.07E-09
1081	437523	3725381	6.32E-08	1.37E-08	7.69E-08	1.25E-08	1.72E-09	1.42E-08	6.71E-08	8.00E-09	7.51E-08	6.91E-09	5.84E-10	7.49E-09
1082	437517.2	3725389	5.56E-08	1.21E-08	6.76E-08	1.10E-08	1.52E-09	1.25E-08	5.90E-08	7.04E-09	6.61E-08	6.08E-09	5.14E-10	6.59E-09
1083	437480.4	3725348	3.64E-08	7.90E-09	4.43E-08	7.18E-09	9.92E-10	8.17E-09	3.86E-08	4.60E-09	4.32E-08	3.98E-09	3.36E-10	4.31E-09
1084	437584.4	3725483	7.32E-08	1.59E-08	8.92E-08	1.45E-08	2.00E-09	1.65E-08	7.78E-08	9.27E-09	8.71E-08	8.01E-09	6.77E-10	8.69E-09
1085	437591.8	3725489	7.53E-08	1.64E-08	9.16E-08	1.49E-08	2.05E-09	1.69E-08	8.00E-08	9.53E-09	8.95E-08	8.23E-09	6.96E-10	8.93E-09
1086	437599.1	3725495	7.70E-08	1.67E-08	9.38E-08	1.52E-08	2.10E-09	1.73E-08	8.18E-08	9.76E-09	9.16E-08	8.43E-09	7.13E-10	9.14E-09
1087	437460.8	3725362	2.73E-08	5.94E-09	3.33E-08	5.40E-09	7.46E-10	6.14E-09	2.90E-08	3.46E-09	3.25E-08	2.99E-09	2.53E-10	3.24E-09
1088	437504.9	3725441	3.76E-08	8.17E-09	4.57E-08	7.42E-09	1.03E-09	8.45E-09	3.99E-08	4.76E-09	4.47E-08	4.11E-09	3.48E-10	4.46E-09
1089	437512.3	3725448	3.99E-08	8.66E-09	4.85E-08	7.87E-09	1.09E-09	8.96E-09	4.23E-08	5.05E-09	4.74E-08	4.36E-09	3.69E-10	4.73E-09
1090	437519.7	3725454	4.22E-08	9.16E-09	5.13E-08	8.33E-09	1.15E-09	9.48E-09	4.48E-08	5.34E-09	5.01E-08	4.61E-09	3.90E-10	5.00E-09
1091	437527.1	3725460	4.45E-08	9.66E-09	5.41E-08	8.78E-09	1.21E-09	1.00E-08	4.72E-08	5.63E-09	5.29E-08	4.87E-09	4.11E-10	5.28E-09
1092	437571.4	3725498	5.70E-08	1.24E-08	6.94E-08	1.13E-08	1.56E-09	1.28E-08	6.06E-08	7.22E-09	6.78E-08	6.24E-09	5.27E-10	6.76E-09
1093	437578.8	3725504	5.86E-08	1.27E-08	7.14E-08	1.16E-08	1.60E-09	1.32E-08	6.23E-08	7.43E-09	6.97E-08	6.42E-09	5.42E-10	6.96E-09
1094	437586.2	3725510	6.01E-08	1.31E-08	7.32E-08	1.19E-08	1.64E-09	1.35E-08	6.38E-08	7.61E-09	7.15E-08	6.58E-09	5.56E-10	7.13E-09
1095	437486.9	3725449	2.97E-08	6.46E-09	3.62E-08	5.87E-09	8.11E-10	6.69E-09	3.16E-08	3.77E-09	3.54E-08	3.25E-09	2.75E-10	3.53E-09
1096	437441.5	3725367	2.14E-08	4.66E-09	2.61E-08	4.24E-09	5.85E-10	4.82E-09	2.28E-08	2.72E-09	2.55E-08	2.35E-09	1.98E-10	2.54E-09
1097	437492	3725457	3.05E-08	6.62E-09	3.71E-08	6.02E-09	8.32E-10	6.85E-09	3.24E-08	3.86E-09	3.62E-08	3.34E-09	2.82E-10	3.62E-09
1098	437499.3	3725463	3.22E-08	7.00E-09	3.92E-08	6.36E-09	8.79E-10	7.24E-09	3.42E-08	4.08E-09	3.83E-08	3.52E-09	2.98E-10	3.82E-09
1099	437506.7	3725469	3.39E-08	7.37E-09	4.13E-08	6.70E-09	9.26E-10	7.63E-09	3.60E-08	4.30E-09	4.03E-08	3.71E-09	3.14E-10	4.03E-09
1100	437514.1	3725475	3.57E-08	7.75E-09	4.34E-08	7.04E-09	9.73E-10	8.02E-09	3.79E-08	4.52E-09	4.24E-08	3.90E-09	3.30E-10	4.23E-09
1101	437521.5	3725482	3.74E-08	8.12E-09	4.55E-08	7.38E-09	1.02E-09	8.40E-09	3.97E-08	4.73E-09	4.44E-08	4.09E-09	3.46E-10	4.44E-09
1102	437558.5	3725513	4.53E-08	9.85E-09	5.52E-08	8.95E-09	1.24E-09	1.02E-08	4.81E-08	5.74E-09	5.39E-08	4.96E-09	4.19E-10	5.38E-09
1103	437565.8	3725519	4.66E-08	1.01E-08	5.68E-08	9.21E-09	1.27E-09	1.05E-08	4.95E-08	5.91E-09	5.54E-08	5.10E-09	4.31E-10	5.53E-09
1104	437573.2	3725526	4.79E-08	1.04E-08	5.83E-08	9.45E-09	1.31E-09	1.08E-08	5.08E-08	6.06E-09	5.69E-08	5.24E-09	4.43E-10	5.68E-09
1105	437464.7	3725449	2.34E-08	5.09E-09	2.85E-08	4.63E-09	6.40E-10	5.27E-09	2.49E-08	2.97E-09	2.79E-08	2.56E-09	2.17E-10	2.78E-09
1106	437423.1	3725346	1.73E-08	3.75E-09	2.10E-08	3.41E-09	4.71E-10	3.88E-09	1.83E-08	2.19E-09	2.05E-08	1.89E-09	1.60E-10	2.05E-09
1107	437486.4	3725478	2.65E-08	5.75E-09	3.22E-08	5.23E-09	7.22E-10	5.95E-09	2.81E-08	3.35E-09	3.15E-08	2.90E-09	2.45E-10	3.14E-09
1108	437493.8	3725484	2.78E-08	6.04E-09	3.38E-08	5.49E-09	7.59E-10	6.25E-09	2.95E-08	3.52E-09	3.31E-08	3.04E-09	2.57E-10	3.30E-09
1109	437501.2	3725491	2.91E-08	6.33E-09	3.55E-08	5.75E-09	7.95E-10	6.55E-09	3.09E-08	3.69E-09	3.46E-08	3.19E-09	2.69E-10	3.46E-09
1110	437508.6	3725497	3.04E-08	6.62E-09	3.71E-08	6.01E-09	8.31E-10	6.84E-09	3.23E-08	3.86E-09	3.62E-08	3.33E-09	2.82E-10	3.61E-09
1111	437545.5	3725528	3.66E-08	7.96E-09	4.46E-08	7.24E-09	1.00E-09	8.24E-09	3.89E-08	4.64E-09	4.36E-08	4.01E-09	3.39E-10	4.35E-09
1112	437552.9	3725535	3.77E-08	8.20E-09	4.59E-08	7.45E-09	1.03E-09	8.48E-09	4.01E-08	4.78E-09	4.48E-08	4.13E-09	3.49E-10	4.48E-09
1113	437560.3	3725541	3.87E-08	8.41E-09	4.71E-08	7.65E-09	1.06E-09	8.71E-09	4.11E-08	4.90E-09	4.60E-08	4.24E-09	3.58E-10	4.59E-09
1114	437456.3	3725472	1.95E-08	4.25E-09	2.38E-08	3.86E-09	5.33E-10	4.39E-09	2.08E-08	2.47E-09	2.32E-08	2.14E-09	1.81E-10	2.32E-09
1115	437451.4	3725464	1.91E-08	4.14E-09	2.32E-08	3.77E-09	5.20E-10	4.29E-09	2.03E-08	2.42E-09	2.27E-08	2.09E-09	1.76E-10	2.26E-09
1116	437446.5	3725456	1.86E-08	4.04E-09	2.26E-08	3.67E-09	5.07E-10	4.18E-09	1.97E-08	2.35E-09	2.21E-08	2.03E-09	1.72E-10	2.20E-09
1117	437473.4	3725493	2.14E-08	4.66E-09	2.61E-08	4.24E-09	5.85E-10	4.82E-09	2.28E-08	2.72E-09	2.55E-08	2.35E-09	1.98E-10	2.54E-09
1118	437480.8	3725500	2.25E-08	4.88E-09	2.73E-08	4.44E-09	6.13E-10	5.05E-09	2.39E-08	2.84E-09	2.67E-08	2.46E-09	2.08E-10	2.67E-09
1119	437488.2	3725506	2.35E-08	5.10E-09	2.86E-08	4.64E-09	6.41E-10	5.28E-09	2.49E-08	2.97E-09	2.79E-08	2.57E-09	2.17E-10	2.79E-09
1120	437443.1	3725487	1.63E-08	3.54E-09	1.98E-08	3.21E-09	4.44E-10	3.66E-09	1.73E-08	2.06E-09	1.94E-08	1.78E-09	1.51E-10	1.93E-09
1121	437438.1	3725479	1.59E-08	3.45E-09	1.93E-08	3.14E-09	4.33E-10	3.57E-09	1.69E-08	2.01E-09	1.89E-08	1.74E-09	1.47E-10	1.88E-09
1122	437433.1	3725471	1.55E-08	3.38E-09	1.89E-08	3.07E-09	4.24E-10	3.49E-09	1.65E-08	1.97E-09	1.85E-08	1.70E-09	1.44E-10	1.84E-09
1123	437428.1	3725463	1.52E-08	3.30E-09	1.85E-08	3.00E-09	4.15E-10	3.42E-09	1.61E-08	1.92E-09	1.81E-08	1.66E-09	1.41E-10	1.80E-09
1124	437414.7	3725478	1.30E-08	2.82E-09	1.58E-08	2.56E-09	3.54E-10	2.92E-09	1.38E-08	1.64E-09	1.54E-08	1.42E-09	1.20E-10	1.54E-09
1125	437327.3	3725352	6.84E-09	1.49E-09	8.33E-09	1.35E-09	1.87E-10	1.54E-09	7.26E-09	8.66E-10	8.13E-09	7.48E-10	6.33E-11	8.11E-10
1126	437306.3	3725404	6.28E-09	1.37E-09	7.65E-09	1.24E-09	1.71E-10	1.41E-09	6.67E-09	7.96E-10	7.47E-09	6.87E-10	5.81E-11	7.45E-10
1127	437310.2	3725301	6.22E-09	1.35E-09	7.57E-09	1.23E-09	1.70E-10	1.40E-09	6.60E-09	7.87E-10	7.39E-09	6.80E-10	5.75E-11	7.38E-10
1128	437312	3725476	6.35E-09	1.38E-09	7.73E-09	1.25E-09	1.73E-10	1.43E-09	6.74E-09	8.04E-10	7.55E-09	6.94E-10	5.87E-11	7.53E-10
1129	437307	3725468	6.22E-09	1.35E-09	7.57E-09	1.23E-09	1.70E-10	1.40E-09	6.61E-09	7.88E-10	7.40E-09	6.81E-10	5.76E-11	7.38E-10
1130	437302	3725460	6.09E-09	1.32E-09	7.41E-09	1.20E-09	1.66E-10	1.37E-09	6.47E-09	7.71E-10	7.24E-09	6.66E-10	5.63E-11	7.22E-10
1131	437297	3725452	5.94E-09	1.29E-09	7.23E-09	1.17E-09	1.62E-10	1.34E-09	6.31E-09	7.52E-10	7.06E-09	6.50E-10	5.50E-11	7.05E-10
1132	437277.7	3725402	5.38E-09	1.17E-09	6.55E-09	1.06E-09	1.47E-10	1.21E-09	5.72E-09	6.81E-10	6.40E-09	5.89E-10	4.98E-11	6.38E-10
1133	437280.5	3725328	5.17E-09	1.12E-09	6.29E-09	1.02E-09	1.41E-10	1.16E-09	5.49E-09	6.54E-10	6.14E-09	5.65E-10	4.78E-11	6.13E-10
1134	437282.9	3725484	5.44E-09	1.18E-09	6.62E-09	1.07E-09	1.48E-10	1.22E-09	5.78E-09	6.89E-10	6.47E-09	5.95E-10	5.03E-11	6.45E-10
1135	437277.9	3725476	5.35E-09	1.16E-09	6.51E-09	1.06E-09	1.46E-10	1.20E-09	5.68E-09	6.77E-10	6.36E-09	5.85E-10	4.95E-11	6.34E-10
1136	437272.9	3725468	5.23E-09	1.14E-09	6.36E-09	1.03E-09	1.43E-10	1.17E-09	5.55E-09	6.62E-10	6.21E-09	5.72E-10	4.83E-11	6.20E-10

1137	437267.9	3725460	5.10E-09	1.11E-09	6.21E-09	1.01E-09	1.39E-10	1.15E-09	5.42E-09	6.46E-10	6.07E-09	5.58E-10	4.72E-11	6.06E-10
1138	437249.1	3725401	4.69E-09	1.02E-09	5.71E-09	9.26E-10	1.28E-10	1.05E-09	4.98E-09	5.93E-10	5.57E-09	5.13E-10	4.33E-11	5.56E-10
1139	437244.9	3725477	4.46E-09	9.70E-10	5.43E-09	8.82E-10	1.22E-10	1.00E-09	4.74E-09	5.65E-10	5.31E-09	4.88E-10	4.13E-11	5.30E-10
1140	437220.2	3725408	4.02E-09	8.72E-10	4.89E-09	7.93E-10	1.10E-10	9.03E-10	4.27E-09	5.08E-10	4.77E-09	4.39E-10	3.71E-11	4.76E-10
1141	437223	3725330	4.08E-09	8.87E-10	4.97E-09	8.06E-10	1.11E-10	9.18E-10	4.34E-09	5.17E-10	4.85E-09	4.47E-10	3.78E-11	4.84E-10
1142	437223.4	3725321	4.08E-09	8.87E-10	4.97E-09	8.06E-10	1.11E-10	9.18E-10	4.34E-09	5.17E-10	4.85E-09	4.47E-10	3.78E-11	4.84E-10
1143	437223.7	3725311	4.08E-09	8.86E-10	4.96E-09	8.05E-10	1.11E-10	9.17E-10	4.33E-09	5.16E-10	4.85E-09	4.46E-10	3.77E-11	4.84E-10
1144	437227	3725225	3.76E-09	8.17E-10	4.58E-09	7.43E-10	1.03E-10	8.46E-10	4.00E-09	4.76E-10	4.47E-09	4.12E-10	3.48E-11	4.46E-10
1145	437227.3	3725215	3.74E-09	8.13E-10	4.56E-09	7.39E-10	1.02E-10	8.42E-10	3.98E-09	4.74E-10	4.45E-09	4.10E-10	3.46E-11	4.44E-10
1146	437191.5	3725406	3.48E-09	7.57E-10	4.24E-09	6.88E-10	9.51E-11	7.83E-10	3.70E-09	4.41E-10	4.14E-09	3.81E-10	3.22E-11	4.13E-10
1147	437191.9	3725396	3.50E-09	7.59E-10	4.25E-09	6.90E-10	9.54E-11	7.86E-10	3.71E-09	4.43E-10	4.15E-09	3.82E-10	3.23E-11	4.15E-10
1148	437194.4	3725329	3.54E-09	7.69E-10	4.31E-09	6.99E-10	9.66E-11	7.96E-10	3.76E-09	4.48E-10	4.21E-09	3.87E-10	3.27E-11	4.20E-10
1149	437194.8	3725320	3.54E-09	7.69E-10	4.31E-09	6.99E-10	9.66E-11	7.96E-10	3.76E-09	4.48E-10	4.21E-09	3.87E-10	3.27E-11	4.20E-10
1150	437195.1	3725310	3.54E-09	7.69E-10	4.31E-09	6.99E-10	9.66E-11	7.96E-10	3.76E-09	4.48E-10	4.21E-09	3.87E-10	3.27E-11	4.20E-10
1151	437198.3	3725224	3.39E-09	7.37E-10	4.13E-09	6.70E-10	9.26E-11	7.63E-10	3.61E-09	4.30E-10	4.04E-09	3.71E-10	3.14E-11	4.03E-10
1152	437198.7	3725214	3.35E-09	7.28E-10	4.08E-09	6.62E-10	9.15E-11	7.54E-10	3.56E-09	4.25E-10	3.99E-09	3.67E-10	3.10E-11	3.98E-10
1153	437199	3725205	3.32E-09	7.21E-10	4.04E-09	6.55E-10	9.05E-11	7.46E-10	3.52E-09	4.20E-10	3.94E-09	3.63E-10	3.07E-11	3.94E-10
1154	437162.9	3725404	3.05E-09	6.64E-10	3.72E-09	6.03E-10	8.33E-11	6.87E-10	3.24E-09	3.87E-10	3.63E-09	3.34E-10	2.82E-11	3.62E-10
1155	437163.3	3725395	3.06E-09	6.65E-10	3.73E-09	6.05E-10	8.36E-11	6.88E-10	3.25E-09	3.88E-10	3.64E-09	3.35E-10	2.83E-11	3.63E-10
1156	437168.3	3725262	3.08E-09	6.70E-10	3.75E-09	6.09E-10	8.41E-11	6.93E-10	3.27E-09	3.90E-10	3.66E-09	3.37E-10	2.85E-11	3.66E-10
1157	437169.7	3725223	3.05E-09	6.62E-10	3.71E-09	6.02E-10	8.31E-11	6.85E-10	3.24E-09	3.86E-10	3.62E-09	3.33E-10	2.82E-11	3.62E-10
1158	437170	3725214	3.04E-09	6.60E-10	3.70E-09	6.00E-10	8.28E-11	6.82E-10	3.22E-09	3.84E-10	3.61E-09	3.32E-10	2.81E-11	3.60E-10
1159	437170.4	3725204	3.02E-09	6.57E-10	3.68E-09	5.97E-10	8.25E-11	6.80E-10	3.21E-09	3.83E-10	3.59E-09	3.31E-10	2.80E-11	3.59E-10
1160	437170.7	3725195	3.01E-09	6.54E-10	3.67E-09	5.95E-10	8.22E-11	6.77E-10	3.20E-09	3.81E-10	3.58E-09	3.29E-10	2.79E-11	3.57E-10
1161	437134	3725413	2.69E-09	5.85E-10	3.28E-09	5.32E-10	7.35E-11	6.06E-10	2.86E-09	3.41E-10	3.20E-09	2.95E-10	2.49E-11	3.20E-10
1162	437134.3	3725403	2.70E-09	5.87E-10	3.29E-09	5.34E-10	7.37E-11	6.07E-10	2.87E-09	3.42E-10	3.21E-09	2.96E-10	2.50E-11	3.21E-10
1163	437136.8	3725337	2.73E-09	5.94E-10	3.33E-09	5.40E-10	7.46E-11	6.15E-10	2.90E-09	3.46E-10	3.25E-09	2.99E-10	2.53E-11	3.24E-10
1164	437137.1	3725327	2.74E-09	5.94E-10	3.33E-09	5.40E-10	7.47E-11	6.15E-10	2.91E-09	3.46E-10	3.25E-09	2.99E-10	2.53E-11	3.25E-10
1165	437137.5	3725318	2.74E-09	5.95E-10	3.33E-09	5.41E-10	7.47E-11	6.15E-10	2.91E-09	3.47E-10	3.25E-09	3.00E-10	2.53E-11	3.25E-10
1166	437139.6	3725261	2.73E-09	5.93E-10	3.32E-09	5.39E-10	7.44E-11	6.13E-10	2.90E-09	3.45E-10	3.24E-09	2.98E-10	2.52E-11	3.24E-10
1167	437141	3725223	2.70E-09	5.87E-10	3.29E-09	5.34E-10	7.38E-11	6.08E-10	2.87E-09	3.42E-10	3.21E-09	2.96E-10	2.50E-11	3.21E-10
1168	437141.4	3725213	2.70E-09	5.86E-10	3.28E-09	5.32E-10	7.35E-11	6.06E-10	2.86E-09	3.41E-10	3.20E-09	2.95E-10	2.49E-11	3.20E-10
1169	437141.7	3725204	2.69E-09	5.84E-10	3.27E-09	5.31E-10	7.33E-11	6.04E-10	2.85E-09	3.40E-10	3.19E-09	2.94E-10	2.48E-11	3.19E-10
1170	437142.1	3725194	2.68E-09	5.82E-10	3.26E-09	5.29E-10	7.31E-11	6.02E-10	2.84E-09	3.39E-10	3.18E-09	2.93E-10	2.48E-11	3.18E-10
1171	437105.4	3725411	2.40E-09	5.22E-10	2.93E-09	4.75E-10	6.56E-11	5.40E-10	2.55E-09	3.04E-10	2.86E-09	2.63E-10	2.22E-11	2.85E-10
1172	437108.2	3725335	2.44E-09	5.29E-10	2.96E-09	4.81E-10	6.65E-11	5.48E-10	2.59E-09	3.08E-10	2.90E-09	2.66E-10	2.25E-11	2.89E-10
1173	437108.5	3725326	2.44E-09	5.29E-10	2.97E-09	4.81E-10	6.65E-11	5.48E-10	2.59E-09	3.09E-10	2.90E-09	2.67E-10	2.25E-11	2.89E-10
1174	437108.9	3725317	2.44E-09	5.30E-10	2.97E-09	4.82E-10	6.65E-11	5.48E-10	2.59E-09	3.09E-10	2.90E-09	2.67E-10	2.26E-11	2.89E-10
1175	437111	3725260	2.43E-09	5.28E-10	2.96E-09	4.80E-10	6.63E-11	5.46E-10	2.58E-09	3.08E-10	2.89E-09	2.66E-10	2.25E-11	2.88E-10
1176	437112.4	3725222	2.41E-09	5.24E-10	2.94E-09	4.77E-10	6.58E-11	5.42E-10	2.56E-09	3.06E-10	2.87E-09	2.64E-10	2.23E-11	2.86E-10
1177	437113.1	3725203	2.40E-09	5.22E-10	2.92E-09	4.74E-10	6.55E-11	5.40E-10	2.55E-09	3.04E-10	2.86E-09	2.63E-10	2.22E-11	2.85E-10
1178	437113.4	3725194	2.40E-09	5.20E-10	2.92E-09	4.73E-10	6.54E-11	5.38E-10	2.54E-09	3.03E-10	2.85E-09	2.62E-10	2.22E-11	2.84E-10
1179	437076.7	3725410	2.14E-09	4.65E-10	2.61E-09	4.23E-10	5.84E-11	4.81E-10	2.27E-09	2.71E-10	2.55E-09	2.34E-10	1.98E-11	2.54E-10
1180	437079.2	3725344	2.18E-09	4.74E-10	2.66E-09	4.31E-10	5.96E-11	4.91E-10	2.32E-09	2.77E-10	2.60E-09	2.39E-10	2.02E-11	2.59E-10
1181	437079.5	3725334	2.19E-09	4.75E-10	2.66E-09	4.32E-10	5.96E-11	4.91E-10	2.32E-09	2.77E-10	2.60E-09	2.39E-10	2.02E-11	2.59E-10
1182	437079.9	3725325	2.19E-09	4.75E-10	2.66E-09	4.32E-10	5.97E-11	4.92E-10	2.32E-09	2.77E-10	2.60E-09	2.39E-10	2.02E-11	2.59E-10
1183	437080.2	3725316	2.19E-09	4.75E-10	2.66E-09	4.32E-10	5.97E-11	4.92E-10	2.32E-09	2.77E-10	2.60E-09	2.39E-10	2.02E-11	2.60E-10
1184	437082	3725268	2.18E-09	4.74E-10	2.66E-09	4.31E-10	5.96E-11	4.91E-10	2.32E-09	2.76E-10	2.60E-09	2.39E-10	2.02E-11	2.59E-10
1185	437083.8	3725221	2.17E-09	4.71E-10	2.64E-09	4.28E-10	5.92E-11	4.88E-10	2.30E-09	2.75E-10	2.58E-09	2.37E-10	2.01E-11	2.57E-10
1186	437084.5	3725203	2.16E-09	4.70E-10	2.63E-09	4.27E-10	5.90E-11	4.86E-10	2.30E-09	2.74E-10	2.57E-09	2.36E-10	2.00E-11	2.56E-10
1187	437084.8	3725193	2.16E-09	4.69E-10	2.63E-09	4.26E-10	5.88E-11	4.85E-10	2.29E-09	2.73E-10	2.56E-09	2.36E-10	1.99E-11	2.56E-10
1188	437085.2	3725184	2.15E-09	4.68E-10	2.62E-09	4.25E-10	5.87E-11	4.84E-10	2.29E-09	2.72E-10	2.56E-09	2.35E-10	1.99E-11	2.55E-10
1189	437051.1	3725329	1.98E-09	4.29E-10	2.41E-09	3.90E-10	5.39E-11	4.44E-10	2.10E-09	2.50E-10	2.35E-09	2.16E-10	1.83E-11	2.34E-10
1190	437051.4	3725319	1.98E-09	4.30E-10	2.41E-09	3.90E-10	5.39E-11	4.44E-10	2.10E-09	2.50E-10	2.35E-09	2.16E-10	1.83E-11	2.35E-10
1191	437053.6	3725261	1.97E-09	4.29E-10	2.40E-09	3.90E-10	5.38E-11	4.44E-10	2.10E-09	2.50E-10	2.35E-09	2.16E-10	1.83E-11	2.34E-10
1192	437056.1	3725194	1.95E-09	4.25E-10	2.38E-09	3.86E-10	5.33E-11	4.39E-10	2.08E-09	2.47E-10	2.32E-09	2.14E-10	1.81E-11	2.32E-10
1193	437056.5	3725184	1.95E-09	4.24E-10	2.37E-09	3.85E-10	5.32E-11	4.38E-10	2.07E-09	2.47E-10	2.32E-09	2.13E-10	1.80E-11	2.31E-10
1194	437016.7	3725482	1.69E-09	3.68E-10	2.06E-09	3.34E-10	4.62E-11	3.80E-10	1.80E-09	2.14E-10	2.01E-09	1.85E-10	1.56E-11	2.01E-10
1195	437017.1	3725472	1.70E-09	3.69E-10	2.06E-09	3.35E-10	4.63E-11	3.81E-10	1.80E-09	2.15E-10	2.02E-09	1.86E-10	1.57E-11	2.01E-10
1196	437024.6	3725270	1.80E-09	3.91E-10	2.19E-09	3.55E-10	4.90E-11	4.04E-10	1.91E-09	2.28E-10	2.14E-09	1.97E-10	1.66E-11	2.13E-10
1197	437027.5	3725193	1.78E-09	3.87E-10	2.17E-09	3.52E-10	4.86E-11	4.00E-10	1.89E-09	2.26E-10	2.12E-09	1.95E-10	1.65E-11	2.11E-10
1198	437027.8	3725184	1.78E-09	3.86E-10	2.17E-09	3.51E-10	4.85E-11	4.00E-10	1.89E-09	2.25E-10	2.11E-09	1.95E-10	1.64E-11	2.11E-10
1199	436978.1	3725492	1.48E-09	3.22E-10	1.80E-09	2.92E-10	4.04E-11	3.33E-10	1.57E-09	1.87E-10	1.76E-09	1.62E-10	1.37E-11	1.76E-10
1200	436978.4	3725483	1.48E-09	3.22E-10	1.81E-09	2.93E-10	4.05E-11	3.33E-10	1.58E-09	1.88E-10	1.76E-09	1.62E-10	1.37E-11	1.76E-10
1201	436981.6	3725397	1.53E-09	3.33E-10	1.87E-09	3.03E-10	4.18E-11	3.45E-10	1.63E-09	1.94E-10	1.82E-09	1.68E-10	1.42E-11	1.82E-10
1202	436982	3725388	1.54E-09	3.34E-10	1.87E-09	3.04E-10	4.20E-11	3.46E-10	1.63E-09	1.95E-10	1.83E-09	1.68E-10	1.42E-11	1.82E-10
1203	436982.3	3725378	1.54E-09	3.35E-10	1.88E-09	3.05E-10	4.21E-11	3.47E-10	1.64E-09	1.95E-10	1.83E-09	1.69E-10	1.43E-11	1.83E-10
1204	436984.5	3725321	1.57E-09	3.41E-10	1.91E-09	3.10E-10	4.28E-11	3.53E-10	1.67E-09	1.99E-10	1.86E-09	1.72E-10	1.45E-11	1.86E-10
1205	436984.8	3725312	1.57E-09	3.41E-10	1.91E-09	3.10E-10	4.29E-11	3.53E-10	1.67E-09	1.99E-10	1.87E-09	1.72E-10	1.45E-11	1.86E-10
1206	436985.2	3725302	1.57E-09	3.42E-10	1.92E-09	3.11E-10	4.29E-11	3.54E-10	1.67E-09	1.99E-10	1.87E-09	1.72E-10	1.46E-11	1.87E-10
1207	436987.6	3725236	1.58E-09	3.44E-10	1.92E-09	3.12E-10	4.31E-11	3.55E-10	1.68E-09	2.00E-10	1.88E-09	1.73E-10	1.46E-11	1.88E-10
1208	436988	3725227	1.59E-09	3.45E-10	1.93E-09	3.14E-10	4.33E-11	3.57E-10	1.69E-09	2.01E-10	1.89E-09	1.74E-10	1.47E-11	1.88E-10
1209	436988.3	3725217	1.59E-09	3.46E-10	1.94E-09	3.15E-10	4.35E-11	3.58E-10	1.69E-09	2.02E-10	1.89E-09	1.74E-10	1.47E-11	1.89E-10
1210	436988.7	3725208	1.59E-09	3.46E-10	1.94E-09	3.14E-10	4.34E-11	3.58E-10	1.69E-09	2.02E-10	1.89E-09	1.74E-10	1.47E-11	1.89E-10
1211	436989.1	3725198	1.59E-09	3.45E-10	1.94E-09	3.14E-10	4.34E-11	3.57E-10	1.69E-09	2.01E-10	1.89E-09	1.74E-10	1.47E-11	1.89E-10
1212	436989.4	3725189	1.59E-09	3.45E-10	1.93E-09	3.14E-10	4.33E-11	3.57E-10	1.69E-09	2.01E-10	1.89E-09	1.74E-10	1.47E-11	1.88E-10

1213	436939.5	3725503	1.32E-09	2.86E-10	1.60E-09	2.60E-10	3.59E-11	2.96E-10	1.40E-09	1.67E-10	1.57E-09	1.44E-10	1.22E-11	1.56E-10
1214	436939.8	3725493	1.32E-09	2.87E-10	1.61E-09	2.61E-10	3.60E-11	2.97E-10	1.40E-09	1.67E-10	1.57E-09	1.44E-10	1.22E-11	1.57E-10
1215	436940.2	3725483	1.32E-09	2.87E-10	1.61E-09	2.61E-10	3.61E-11	2.97E-10	1.40E-09	1.67E-10	1.57E-09	1.45E-10	1.22E-11	1.57E-10
1216	436943.1	3725407	1.36E-09	2.95E-10	1.65E-09	2.69E-10	3.71E-11	3.06E-10	1.44E-09	1.72E-10	1.62E-09	1.49E-10	1.26E-11	1.61E-10
1217	436943.4	3725397	1.36E-09	2.96E-10	1.66E-09	2.70E-10	3.72E-11	3.07E-10	1.45E-09	1.73E-10	1.62E-09	1.49E-10	1.26E-11	1.62E-10
1218	436943.8	3725387	1.37E-09	2.98E-10	1.67E-09	2.71E-10	3.74E-11	3.08E-10	1.45E-09	1.73E-10	1.63E-09	1.50E-10	1.27E-11	1.62E-10
1219	436944.1	3725378	1.37E-09	2.99E-10	1.67E-09	2.71E-10	3.75E-11	3.09E-10	1.46E-09	1.74E-10	1.63E-09	1.50E-10	1.27E-11	1.63E-10
1220	436946.3	3725320	1.40E-09	3.04E-10	1.70E-09	2.76E-10	3.81E-11	3.14E-10	1.48E-09	1.77E-10	1.66E-09	1.53E-10	1.29E-11	1.66E-10
1221	436946.6	3725311	1.40E-09	3.04E-10	1.70E-09	2.76E-10	3.82E-11	3.14E-10	1.49E-09	1.77E-10	1.66E-09	1.53E-10	1.29E-11	1.66E-10
1222	436947	3725301	1.40E-09	3.04E-10	1.70E-09	2.76E-10	3.82E-11	3.14E-10	1.49E-09	1.77E-10	1.66E-09	1.53E-10	1.29E-11	1.66E-10
1223	436947.4	3725291	1.40E-09	3.04E-10	1.70E-09	2.76E-10	3.81E-11	3.14E-10	1.48E-09	1.77E-10	1.66E-09	1.53E-10	1.29E-11	1.66E-10
1224	436947.7	3725282	1.39E-09	3.03E-10	1.70E-09	2.75E-10	3.81E-11	3.14E-10	1.48E-09	1.77E-10	1.66E-09	1.53E-10	1.29E-11	1.65E-10
1225	436949.9	3725224	1.41E-09	3.06E-10	1.71E-09	2.78E-10	3.84E-11	3.16E-10	1.50E-09	1.78E-10	1.67E-09	1.54E-10	1.30E-11	1.67E-10
1226	436950.2	3725215	1.41E-09	3.07E-10	1.72E-09	2.79E-10	3.86E-11	3.18E-10	1.50E-09	1.79E-10	1.68E-09	1.55E-10	1.31E-11	1.68E-10
1227	436950.6	3725205	1.42E-09	3.09E-10	1.73E-09	2.81E-10	3.88E-11	3.20E-10	1.51E-09	1.80E-10	1.69E-09	1.56E-10	1.32E-11	1.69E-10
1228	436909	3725295	1.25E-09	2.72E-10	1.52E-09	2.47E-10	3.42E-11	2.81E-10	1.33E-09	1.59E-10	1.49E-09	1.37E-10	1.16E-11	1.49E-10
1229	436909.3	3725285	1.25E-09	2.72E-10	1.52E-09	2.47E-10	3.41E-11	2.81E-10	1.33E-09	1.58E-10	1.49E-09	1.37E-10	1.16E-11	1.48E-10
1230	436911.5	3725228	1.26E-09	2.74E-10	1.53E-09	2.49E-10	3.44E-11	2.83E-10	1.34E-09	1.59E-10	1.50E-09	1.38E-10	1.17E-11	1.49E-10
1231	436911.8	3725219	1.26E-09	2.74E-10	1.54E-09	2.50E-10	3.45E-11	2.84E-10	1.34E-09	1.60E-10	1.50E-09	1.38E-10	1.17E-11	1.50E-10
1232	436912.2	3725210	1.27E-09	2.75E-10	1.54E-09	2.50E-10	3.46E-11	2.85E-10	1.35E-09	1.60E-10	1.51E-09	1.39E-10	1.17E-11	1.50E-10
1233	436912.5	3725200	1.27E-09	2.76E-10	1.55E-09	2.51E-10	3.46E-11	2.85E-10	1.35E-09	1.61E-10	1.51E-09	1.39E-10	1.17E-11	1.51E-10
1234	436915.7	3725115	1.24E-09	2.70E-10	1.51E-09	2.46E-10	3.39E-11	2.80E-10	1.32E-09	1.58E-10	1.48E-09	1.36E-10	1.15E-11	1.48E-10
1235	436916.1	3725105	1.24E-09	2.69E-10	1.51E-09	2.45E-10	3.38E-11	2.78E-10	1.32E-09	1.57E-10	1.47E-09	1.35E-10	1.15E-11	1.47E-10
1236	436862.6	3725514	1.08E-09	2.35E-10	1.32E-09	2.14E-10	2.95E-11	2.43E-10	1.15E-09	1.37E-10	1.29E-09	1.18E-10	1.00E-11	1.28E-10
1237	436863	3725504	1.08E-09	2.35E-10	1.32E-09	2.14E-10	2.96E-11	2.44E-10	1.15E-09	1.37E-10	1.29E-09	1.19E-10	1.00E-11	1.29E-10
1238	436863.3	3725495	1.09E-09	2.36E-10	1.32E-09	2.14E-10	2.96E-11	2.44E-10	1.15E-09	1.37E-10	1.29E-09	1.19E-10	1.00E-11	1.29E-10
1239	436863.7	3725485	1.09E-09	2.36E-10	1.32E-09	2.15E-10	2.97E-11	2.44E-10	1.16E-09	1.38E-10	1.29E-09	1.19E-10	1.01E-11	1.29E-10
1240	436866.5	3725408	1.11E-09	2.42E-10	1.36E-09	2.20E-10	3.04E-11	2.50E-10	1.18E-09	1.41E-10	1.32E-09	1.22E-10	1.03E-11	1.32E-10
1241	436866.9	3725399	1.12E-09	2.43E-10	1.36E-09	2.21E-10	3.05E-11	2.51E-10	1.19E-09	1.41E-10	1.33E-09	1.22E-10	1.03E-11	1.33E-10
1242	436867.3	3725389	1.12E-09	2.44E-10	1.37E-09	2.21E-10	3.06E-11	2.52E-10	1.19E-09	1.42E-10	1.33E-09	1.23E-10	1.04E-11	1.33E-10
1243	436869.4	3725332	1.13E-09	2.46E-10	1.38E-09	2.24E-10	3.09E-11	2.55E-10	1.20E-09	1.43E-10	1.35E-09	1.24E-10	1.05E-11	1.34E-10
1244	436869.8	3725322	1.13E-09	2.46E-10	1.38E-09	2.24E-10	3.09E-11	2.55E-10	1.20E-09	1.44E-10	1.35E-09	1.24E-10	1.05E-11	1.34E-10
1245	436870.1	3725312	1.13E-09	2.46E-10	1.38E-09	2.24E-10	3.09E-11	2.55E-10	1.20E-09	1.44E-10	1.35E-09	1.24E-10	1.05E-11	1.35E-10
1246	436870.5	3725303	1.13E-09	2.46E-10	1.38E-09	2.24E-10	3.09E-11	2.55E-10	1.20E-09	1.44E-10	1.35E-09	1.24E-10	1.05E-11	1.35E-10
1247	436870.8	3725293	1.13E-09	2.46E-10	1.38E-09	2.24E-10	3.09E-11	2.55E-10	1.20E-09	1.44E-10	1.35E-09	1.24E-10	1.05E-11	1.35E-10
1248	436871.2	3725284	1.13E-09	2.46E-10	1.38E-09	2.24E-10	3.09E-11	2.55E-10	1.20E-09	1.43E-10	1.35E-09	1.24E-10	1.05E-11	1.34E-10
1249	436873.3	3725226	1.15E-09	2.49E-10	1.39E-09	2.26E-10	3.13E-11	2.58E-10	1.22E-09	1.45E-10	1.36E-09	1.25E-10	1.06E-11	1.36E-10
1250	436873.7	3725217	1.15E-09	2.50E-10	1.40E-09	2.27E-10	3.14E-11	2.59E-10	1.22E-09	1.46E-10	1.37E-09	1.26E-10	1.06E-11	1.37E-10
1251	436874	3725207	1.16E-09	2.51E-10	1.41E-09	2.28E-10	3.15E-11	2.60E-10	1.23E-09	1.46E-10	1.37E-09	1.26E-10	1.07E-11	1.37E-10
1252	436874.4	3725197	1.16E-09	2.52E-10	1.41E-09	2.29E-10	3.16E-11	2.60E-10	1.23E-09	1.47E-10	1.38E-09	1.27E-10	1.07E-11	1.37E-10
1253	436824.4	3725514	9.95E-10	2.16E-10	1.21E-09	1.97E-10	2.72E-11	2.24E-10	1.06E-09	1.26E-10	1.18E-09	1.09E-10	9.20E-12	1.18E-10
1254	436824.7	3725505	9.96E-10	2.16E-10	1.21E-09	1.97E-10	2.72E-11	2.24E-10	1.06E-09	1.26E-10	1.18E-09	1.09E-10	9.22E-12	1.18E-10
1255	436825.1	3725495	9.98E-10	2.17E-10	1.21E-09	1.97E-10	2.72E-11	2.24E-10	1.06E-09	1.26E-10	1.19E-09	1.09E-10	9.23E-12	1.18E-10
1256	436825.4	3725485	1.00E-09	2.17E-10	1.22E-09	1.97E-10	2.73E-11	2.25E-10	1.06E-09	1.27E-10	1.19E-09	1.09E-10	9.24E-12	1.19E-10
1257	436828.3	3725408	1.02E-09	2.21E-10	1.24E-09	2.01E-10	2.78E-11	2.29E-10	1.08E-09	1.29E-10	1.21E-09	1.11E-10	9.42E-12	1.21E-10
1258	436828.7	3725398	1.02E-09	2.22E-10	1.24E-09	2.02E-10	2.79E-11	2.30E-10	1.09E-09	1.29E-10	1.21E-09	1.12E-10	9.45E-12	1.21E-10
1259	436829.1	3725389	1.02E-09	2.22E-10	1.25E-09	2.02E-10	2.79E-11	2.30E-10	1.09E-09	1.30E-10	1.22E-09	1.12E-10	9.47E-12	1.21E-10
1260	436831.2	3725330	1.04E-09	2.26E-10	1.26E-09	2.05E-10	2.83E-11	2.33E-10	1.10E-09	1.31E-10	1.23E-09	1.14E-10	9.61E-12	1.23E-10
1261	436831.6	3725321	1.04E-09	2.26E-10	1.26E-09	2.05E-10	2.84E-11	2.34E-10	1.10E-09	1.32E-10	1.24E-09	1.14E-10	9.61E-12	1.23E-10
1262	436831.9	3725311	1.04E-09	2.26E-10	1.27E-09	2.05E-10	2.84E-11	2.34E-10	1.10E-09	1.32E-10	1.24E-09	1.14E-10	9.62E-12	1.23E-10
1263	436832.3	3725301	1.04E-09	2.26E-10	1.27E-09	2.05E-10	2.84E-11	2.34E-10	1.10E-09	1.32E-10	1.24E-09	1.14E-10	9.62E-12	1.23E-10
1264	436832.7	3725292	1.04E-09	2.26E-10	1.27E-09	2.05E-10	2.84E-11	2.34E-10	1.11E-09	1.32E-10	1.24E-09	1.14E-10	9.62E-12	1.23E-10
1265	436834.8	3725234	1.04E-09	2.27E-10	1.27E-09	2.06E-10	2.85E-11	2.35E-10	1.11E-09	1.32E-10	1.24E-09	1.14E-10	9.66E-12	1.24E-10
1266	436835.2	3725224	1.05E-09	2.28E-10	1.28E-09	2.07E-10	2.86E-11	2.36E-10	1.11E-09	1.33E-10	1.25E-09	1.15E-10	9.70E-12	1.24E-10
1267	436835.5	3725214	1.05E-09	2.29E-10	1.28E-09	2.08E-10	2.88E-11	2.37E-10	1.12E-09	1.33E-10	1.25E-09	1.15E-10	9.75E-12	1.25E-10
1268	436835.9	3725205	1.06E-09	2.30E-10	1.29E-09	2.09E-10	2.89E-11	2.38E-10	1.12E-09	1.34E-10	1.26E-09	1.16E-10	9.79E-12	1.26E-10
1269	436836.3	3725195	1.06E-09	2.30E-10	1.29E-09	2.09E-10	2.89E-11	2.38E-10	1.12E-09	1.34E-10	1.26E-09	1.16E-10	9.79E-12	1.26E-10
1270	436838.8	3725127	1.05E-09	2.27E-10	1.27E-09	2.06E-10	2.85E-11	2.35E-10	1.11E-09	1.32E-10	1.24E-09	1.14E-10	9.67E-12	1.24E-10
1271	436839.2	3725118	1.04E-09	2.26E-10	1.27E-09	2.06E-10	2.84E-11	2.34E-10	1.11E-09	1.32E-10	1.24E-09	1.14E-10	9.64E-12	1.24E-10
1272	436839.5	3725108	1.04E-09	2.25E-10	1.26E-09	2.05E-10	2.83E-11	2.33E-10	1.10E-09	1.31E-10	1.23E-09	1.13E-10	9.59E-12	1.23E-10
1273	436839.9	3725098	1.03E-09	2.24E-10	1.26E-09	2.04E-10	2.82E-11	2.32E-10	1.10E-09	1.31E-10	1.23E-09	1.13E-10	9.55E-12	1.22E-10
1274	436792.9	3725334	9.58E-10	2.08E-10	1.17E-09	1.89E-10	2.61E-11	2.15E-10	1.02E-09	1.21E-10	1.14E-09	1.05E-10	8.86E-12	1.14E-10
1275	436793.2	3725324	9.59E-10	2.08E-10	1.17E-09	1.89E-10	2.62E-11	2.16E-10	1.02E-09	1.21E-10	1.14E-09	1.05E-10	8.87E-12	1.14E-10
1276	436793.6	3725314	9.59E-10	2.08E-10	1.17E-09	1.89E-10	2.62E-11	2.16E-10	1.02E-09	1.21E-10	1.14E-09	1.05E-10	8.87E-12	1.14E-10
1277	436793.9	3725305	9.59E-10	2.08E-10	1.17E-09	1.89E-10	2.62E-11	2.16E-10	1.02E-09	1.21E-10	1.14E-09	1.05E-10	8.87E-12	1.14E-10
1278	436794.3	3725295	9.59E-10	2.08E-10	1.17E-09	1.89E-10	2.62E-11	2.16E-10	1.02E-09	1.21E-10	1.14E-09	1.05E-10	8.87E-12	1.14E-10
1279	436794.7	3725286	9.59E-10	2.08E-10	1.17E-09	1.89E-10	2.62E-11	2.16E-10	1.02E-09	1.21E-10	1.14E-09	1.05E-10	8.87E-12	1.14E-10
1280	436796.8	3725228	9.66E-10	2.10E-10	1.18E-09	1.91E-10	2.63E-11	2.17E-10	1.03E-09	1.22E-10	1.15E-09	1.06E-10	8.93E-12	1.15E-10
1281	436797.2	3725219	9.67E-10	2.10E-10	1.18E-09	1.91E-10	2.64E-11	2.17E-10	1.03E-09	1.22E-10	1.15E-09	1.06E-10	8.94E-12	1.15E-10
1282	436797.5	3725209	9.68E-10	2.10E-10	1.18E-09	1.91E-10	2.64E-11	2.18E-10	1.03E-09	1.23E-10	1.15E-09	1.06E-10	8.95E-12	1.15E-10
1283	436797.9	3725199	9.68E-10	2.10E-10	1.18E-09	1.91E-10	2.64E-11	2.18E-10	1.03E-09	1.23E-10	1.15E-09	1.06E-10	8.95E-12	1.15E-10
1284	436800.7	3725123	9.62E-10	2.09E-10	1.17E-09	1.90E-10	2.63E-11	2.16E-10	1.02E-09	1.22E-10	1.14E-09	1.05E-10	8.90E-12	1.14E-10
1285	436801.1	3725113	9.61E-10	2.09E-10	1.17E-09	1.90E-10	2.62E-11	2.16E-10	1.02E-09	1.22E-10	1.14E-09	1.05E-10	8.89E-12	1.14E-10
1286	436801.4	3725104	9.59E-10	2.08E-10	1.17E-09	1.89E-10	2.62E-11	2.16E-10	1.02E-09	1.21E-10	1.14E-09	1.05E-10	8.87E-12	1.14E-10
1287	436801.8	3725094	9.57E-10	2.08E-10	1.16E-09	1.89E-10	2.61E-11	2.15E-10	1.02E-09	1.21E-10	1.14E-09	1.05E-10	8.85E-12	1.14E-10
1288	436802.2	3725085	9.55E-10	2.07E-10	1.16E-09	1.89E-10	2.61E-11	2.15E-10	1.01E-09	1.21E-10	1.14E-09	1.04E-10	8.83E-12	1.13E-10

1289	436771.9	3725605	9.12E-10	1.98E-10	1.11E-09	1.80E-10	2.49E-11	2.05E-10	9.68E-10	1.15E-10	1.08E-09	9.97E-11	8.43E-12	1.08E-10
1290	436766.8	3725597	9.04E-10	1.96E-10	1.10E-09	1.79E-10	2.47E-11	2.03E-10	9.60E-10	1.14E-10	1.07E-09	9.89E-11	8.36E-12	1.07E-10
1291	436750.7	3725439	8.91E-10	1.94E-10	1.09E-09	1.76E-10	2.43E-11	2.00E-10	9.47E-10	1.13E-10	1.06E-09	9.75E-11	8.25E-12	1.06E-10
1292	436751.1	3725429	8.93E-10	1.94E-10	1.09E-09	1.76E-10	2.44E-11	2.01E-10	9.48E-10	1.13E-10	1.06E-09	9.77E-11	8.26E-12	1.06E-10
1293	436754.7	3725332	8.93E-10	1.94E-10	1.09E-09	1.76E-10	2.44E-11	2.01E-10	9.49E-10	1.13E-10	1.06E-09	9.77E-11	8.26E-12	1.06E-10
1294	436755.1	3725323	8.93E-10	1.94E-10	1.09E-09	1.76E-10	2.44E-11	2.01E-10	9.48E-10	1.13E-10	1.06E-09	9.77E-11	8.26E-12	1.06E-10
1295	436755.4	3725313	8.91E-10	1.94E-10	1.09E-09	1.76E-10	2.43E-11	2.00E-10	9.47E-10	1.13E-10	1.06E-09	9.75E-11	8.25E-12	1.06E-10
1296	436755.8	3725303	8.91E-10	1.94E-10	1.08E-09	1.76E-10	2.43E-11	2.00E-10	9.46E-10	1.13E-10	1.06E-09	9.75E-11	8.24E-12	1.06E-10
1297	436756.1	3725294	8.90E-10	1.93E-10	1.08E-09	1.76E-10	2.43E-11	2.00E-10	9.46E-10	1.13E-10	1.06E-09	9.74E-11	8.23E-12	1.06E-10
1298	436758.3	3725236	8.93E-10	1.94E-10	1.09E-09	1.76E-10	2.44E-11	2.01E-10	9.49E-10	1.13E-10	1.06E-09	9.77E-11	8.26E-12	1.06E-10
1299	436758.7	3725226	8.94E-10	1.94E-10	1.09E-09	1.77E-10	2.44E-11	2.01E-10	9.50E-10	1.13E-10	1.06E-09	9.78E-11	8.27E-12	1.06E-10
1300	436759	3725216	8.95E-10	1.94E-10	1.09E-09	1.77E-10	2.44E-11	2.01E-10	9.50E-10	1.13E-10	1.06E-09	9.79E-11	8.27E-12	1.06E-10
1301	436759.4	3725207	8.96E-10	1.95E-10	1.09E-09	1.77E-10	2.44E-11	2.01E-10	9.52E-10	1.13E-10	1.07E-09	9.80E-11	8.29E-12	1.06E-10
1302	436759.7	3725197	8.95E-10	1.94E-10	1.09E-09	1.77E-10	2.44E-11	2.01E-10	9.50E-10	1.13E-10	1.06E-09	9.79E-11	8.27E-12	1.06E-10
1303	436762.3	3725130	8.90E-10	1.93E-10	1.08E-09	1.76E-10	2.43E-11	2.00E-10	9.46E-10	1.13E-10	1.06E-09	9.74E-11	8.23E-12	1.06E-10
1304	436762.6	3725120	8.90E-10	1.93E-10	1.08E-09	1.76E-10	2.43E-11	2.00E-10	9.46E-10	1.13E-10	1.06E-09	9.74E-11	8.23E-12	1.06E-10
1305	436763	3725110	8.92E-10	1.94E-10	1.09E-09	1.76E-10	2.43E-11	2.01E-10	9.48E-10	1.13E-10	1.06E-09	9.76E-11	8.25E-12	1.06E-10
1306	436763.3	3725101	8.94E-10	1.94E-10	1.09E-09	1.77E-10	2.44E-11	2.01E-10	9.50E-10	1.13E-10	1.06E-09	9.78E-11	8.27E-12	1.06E-10
1307	436763.7	3725091	8.96E-10	1.95E-10	1.09E-09	1.77E-10	2.44E-11	2.01E-10	9.52E-10	1.13E-10	1.07E-09	9.80E-11	8.29E-12	1.06E-10
1308	436764.1	3725081	8.97E-10	1.95E-10	1.09E-09	1.77E-10	2.45E-11	2.02E-10	9.53E-10	1.14E-10	1.07E-09	9.81E-11	8.30E-12	1.06E-10
1309	436779.2	3725688	9.47E-10	2.06E-10	1.15E-09	1.87E-10	2.58E-11	2.13E-10	1.01E-09	1.20E-10	1.13E-09	1.04E-10	8.76E-12	1.12E-10
1310	436774.1	3725680	9.39E-10	2.04E-10	1.14E-09	1.86E-10	2.56E-11	2.11E-10	9.98E-10	1.19E-10	1.12E-09	1.03E-10	8.69E-12	1.11E-10
1311	436769	3725672	9.30E-10	2.02E-10	1.13E-09	1.84E-10	2.54E-11	2.09E-10	9.88E-10	1.18E-10	1.11E-09	1.02E-10	8.60E-12	1.10E-10
1312	436763.9	3725664	9.19E-10	2.00E-10	1.12E-09	1.82E-10	2.51E-11	2.07E-10	9.76E-10	1.16E-10	1.09E-09	1.01E-10	8.50E-12	1.09E-10
1313	436758.7	3725656	9.08E-10	1.97E-10	1.11E-09	1.79E-10	2.48E-11	2.04E-10	9.65E-10	1.15E-10	1.08E-09	9.94E-11	8.40E-12	1.08E-10
1314	436753.6	3725648	8.98E-10	1.95E-10	1.09E-09	1.77E-10	2.45E-11	2.02E-10	9.54E-10	1.14E-10	1.07E-09	9.82E-11	8.30E-12	1.07E-10
1315	436748.5	3725639	8.88E-10	1.93E-10	1.08E-09	1.75E-10	2.42E-11	2.00E-10	9.44E-10	1.12E-10	1.06E-09	9.72E-11	8.22E-12	1.05E-10
1316	436743.3	3725631	8.80E-10	1.91E-10	1.07E-09	1.74E-10	2.40E-11	1.98E-10	9.34E-10	1.11E-10	1.05E-09	9.62E-11	8.13E-12	1.04E-10
1317	436738.2	3725623	8.71E-10	1.89E-10	1.06E-09	1.72E-10	2.38E-11	1.96E-10	9.26E-10	1.10E-10	1.04E-09	9.53E-11	8.06E-12	1.03E-10
1318	436712.4	3725441	8.51E-10	1.85E-10	1.04E-09	1.68E-10	2.32E-11	1.91E-10	9.04E-10	1.08E-10	1.01E-09	9.31E-11	7.87E-12	1.01E-10
1319	436712.8	3725431	8.53E-10	1.85E-10	1.04E-09	1.69E-10	2.33E-11	1.92E-10	9.06E-10	1.08E-10	1.01E-09	9.33E-11	7.89E-12	1.01E-10
1320	436713.1	3725422	8.55E-10	1.86E-10	1.04E-09	1.69E-10	2.33E-11	1.92E-10	9.08E-10	1.08E-10	1.02E-09	9.35E-11	7.91E-12	1.01E-10
1321	436716.4	3725336	8.36E-10	1.82E-10	1.02E-09	1.65E-10	2.28E-11	1.88E-10	8.88E-10	1.06E-10	9.94E-10	9.15E-11	7.73E-12	9.92E-11
1322	436716.7	3725326	8.35E-10	1.81E-10	1.02E-09	1.65E-10	2.28E-11	1.88E-10	8.87E-10	1.06E-10	9.93E-10	9.13E-11	7.72E-12	9.91E-11
1323	436717.1	3725316	8.34E-10	1.81E-10	1.01E-09	1.65E-10	2.27E-11	1.87E-10	8.86E-10	1.06E-10	9.91E-10	9.12E-11	7.71E-12	9.89E-11
1324	436717.4	3725307	8.32E-10	1.81E-10	1.01E-09	1.64E-10	2.27E-11	1.87E-10	8.84E-10	1.05E-10	9.89E-10	9.10E-11	7.69E-12	9.87E-11
1325	436717.8	3725297	8.31E-10	1.80E-10	1.01E-09	1.64E-10	2.27E-11	1.87E-10	8.82E-10	1.05E-10	9.87E-10	9.09E-11	7.68E-12	9.85E-11
1326	436719.9	3725240	8.31E-10	1.80E-10	1.01E-09	1.64E-10	2.27E-11	1.87E-10	8.82E-10	1.05E-10	9.87E-10	9.09E-11	7.68E-12	9.85E-11
1327	436720.3	3725230	8.31E-10	1.80E-10	1.01E-09	1.64E-10	2.27E-11	1.87E-10	8.82E-10	1.05E-10	9.87E-10	9.09E-11	7.68E-12	9.85E-11
1328	436720.6	3725221	8.31E-10	1.80E-10	1.01E-09	1.64E-10	2.27E-11	1.87E-10	8.82E-10	1.05E-10	9.87E-10	9.09E-11	7.68E-12	9.85E-11
1329	436721	3725211	8.31E-10	1.80E-10	1.01E-09	1.64E-10	2.27E-11	1.87E-10	8.82E-10	1.05E-10	9.87E-10	9.09E-11	7.68E-12	9.85E-11
1330	436721.3	3725202	8.31E-10	1.80E-10	1.01E-09	1.64E-10	2.27E-11	1.87E-10	8.82E-10	1.05E-10	9.87E-10	9.09E-11	7.68E-12	9.85E-11
1331	436721.7	3725192	8.31E-10	1.80E-10	1.01E-09	1.64E-10	2.27E-11	1.87E-10	8.82E-10	1.05E-10	9.87E-10	9.09E-11	7.68E-12	9.85E-11
1332	436724.6	3725115	8.33E-10	1.81E-10	1.01E-09	1.65E-10	2.27E-11	1.87E-10	8.85E-10	1.05E-10	9.90E-10	9.11E-11	7.70E-12	9.88E-11
1333	436724.9	3725106	8.37E-10	1.82E-10	1.02E-09	1.65E-10	2.28E-11	1.88E-10	8.90E-10	1.06E-10	9.96E-10	9.16E-11	7.75E-12	9.94E-11
1334	436725.3	3725096	8.42E-10	1.83E-10	1.02E-09	1.66E-10	2.30E-11	1.89E-10	8.94E-10	1.07E-10	1.00E-09	9.21E-11	7.79E-12	9.99E-11
1335	436725.6	3725087	8.47E-10	1.84E-10	1.03E-09	1.67E-10	2.31E-11	1.90E-10	9.00E-10	1.07E-10	1.01E-09	9.26E-11	7.83E-12	1.00E-10
1336	436751.6	3725716	8.98E-10	1.95E-10	1.09E-09	1.77E-10	2.45E-11	2.02E-10	9.54E-10	1.14E-10	1.07E-09	9.82E-11	8.30E-12	1.07E-10
1337	436746.4	3725707	8.95E-10	1.94E-10	1.09E-09	1.77E-10	2.44E-11	2.01E-10	9.50E-10	1.13E-10	1.06E-09	9.79E-11	8.27E-12	1.06E-10
1338	436741.2	3725699	8.91E-10	1.94E-10	1.09E-09	1.76E-10	2.43E-11	2.00E-10	9.47E-10	1.13E-10	1.06E-09	9.75E-11	8.25E-12	1.06E-10
1339	436736	3725691	8.84E-10	1.92E-10	1.08E-09	1.75E-10	2.41E-11	1.99E-10	9.39E-10	1.12E-10	1.05E-09	9.67E-11	8.18E-12	1.05E-10
1340	436730.9	3725683	8.76E-10	1.90E-10	1.07E-09	1.73E-10	2.39E-11	1.97E-10	9.31E-10	1.11E-10	1.04E-09	9.59E-11	8.11E-12	1.04E-10
1341	436725.7	3725675	8.69E-10	1.89E-10	1.06E-09	1.72E-10	2.37E-11	1.95E-10	9.23E-10	1.10E-10	1.03E-09	9.50E-11	8.04E-12	1.03E-10
1342	436720.5	3725667	8.59E-10	1.87E-10	1.05E-09	1.70E-10	2.34E-11	1.93E-10	9.13E-10	1.09E-10	1.02E-09	9.40E-11	7.95E-12	1.02E-10
1343	436715.4	3725659	8.50E-10	1.85E-10	1.03E-09	1.68E-10	2.32E-11	1.91E-10	9.03E-10	1.08E-10	1.01E-09	9.30E-11	7.86E-12	1.01E-10
1344	436710.2	3725650	8.42E-10	1.83E-10	1.02E-09	1.66E-10	2.30E-11	1.89E-10	8.94E-10	1.07E-10	1.00E-09	9.21E-11	7.79E-12	9.99E-11
1345	436705	3725642	8.34E-10	1.81E-10	1.02E-09	1.65E-10	2.28E-11	1.88E-10	8.86E-10	1.06E-10	9.92E-10	9.13E-11	7.72E-12	9.90E-11
1346	436670.6	3725537	7.83E-10	1.70E-10	9.54E-10	1.55E-10	2.14E-11	1.76E-10	8.32E-10	9.92E-11	9.31E-10	8.57E-11	7.25E-12	9.29E-11
1347	436671	3725527	7.85E-10	1.71E-10	9.56E-10	1.55E-10	2.14E-11	1.77E-10	8.34E-10	9.94E-11	9.34E-10	8.59E-11	7.26E-12	9.32E-11
1348	436674.2	3725440	8.09E-10	1.76E-10	9.84E-10	1.60E-10	2.21E-11	1.82E-10	8.59E-10	1.02E-10	9.61E-10	8.85E-11	7.48E-12	9.59E-11
1349	436674.6	3725431	8.09E-10	1.76E-10	9.85E-10	1.60E-10	2.21E-11	1.82E-10	8.60E-10	1.02E-10	9.62E-10	8.85E-11	7.48E-12	9.60E-11
1350	436674.9	3725421	8.10E-10	1.76E-10	9.87E-10	1.60E-10	2.21E-11	1.82E-10	8.61E-10	1.03E-10	9.63E-10	8.87E-11	7.50E-12	9.62E-11
1351	436675.3	3725412	8.12E-10	1.76E-10	9.88E-10	1.60E-10	2.21E-11	1.82E-10	8.62E-10	1.03E-10	9.65E-10	8.88E-11	7.51E-12	9.63E-11
1352	436678.2	3725334	7.89E-10	1.71E-10	9.61E-10	1.56E-10	2.15E-11	1.77E-10	8.38E-10	9.99E-11	9.38E-10	8.63E-11	7.30E-12	9.36E-11
1353	436678.5	3725325	7.87E-10	1.71E-10	9.57E-10	1.55E-10	2.15E-11	1.77E-10	8.36E-10	9.96E-11	9.35E-10	8.60E-11	7.27E-12	9.33E-11
1354	436678.9	3725315	7.85E-10	1.70E-10	9.55E-10	1.55E-10	2.14E-11	1.76E-10	8.33E-10	9.94E-11	9.33E-10	8.58E-11	7.26E-12	9.31E-11
1355	436679.2	3725305	7.83E-10	1.70E-10	9.53E-10	1.55E-10	2.14E-11	1.76E-10	8.32E-10	9.91E-11	9.31E-10	8.56E-11	7.24E-12	9.29E-11
1356	436679.6	3725296	7.81E-10	1.70E-10	9.51E-10	1.54E-10	2.13E-11	1.76E-10	8.30E-10	9.89E-11	9.28E-10	8.54E-11	7.22E-12	9.27E-11
1357	436681.8	3725238	7.78E-10	1.69E-10	9.48E-10	1.54E-10	2.12E-11	1.75E-10	8.27E-10	9.86E-11	9.25E-10	8.52E-11	7.20E-12	9.24E-11
1358	436682.1	3725228	7.78E-10	1.69E-10	9.48E-10	1.54E-10	2.12E-11	1.75E-10	8.27E-10	9.86E-11	9.25E-10	8.52E-11	7.20E-12	9.24E-11
1359	436682.5	3725219	7.78E-10	1.69E-10	9.48E-10	1.54E-10	2.12E-11	1.75E-10	8.27E-10	9.86E-11	9.25E-10	8.52E-11	7.20E-12	9.24E-11
1360	436682.8	3725209	7.78E-10	1.69E-10	9.48E-10	1.54E-10	2.12E-11	1.75E-10	8.27E-10	9.86E-11	9.25E-10	8.52E-11	7.20E-12	9.24E-11
1361	436683.2	3725199	7.79E-10	1.69E-10	9.48E-10	1.54E-10	2.13E-11	1.75E-10	8.27E-10	9.86E-11	9.26E-10	8.52E-11	7.21E-12	9.24E-11
1362	436686.4	3725112	7.86E-10	1.71E-10	9.57E-10	1.55E-10	2.14E-11	1.77E-10	8.35E-10	9.95E-11	9.34E-10	8.60E-11	7.27E-12	9.32E-11
1363	436686.8	3725103	7.86E-10	1.71E-10	9.57E-10	1.55E-10	2.14E-11	1.77E-10	8.35E-10	9.95E-11	9.34E-10	8.60E-11	7.27E-12	9.32E-11
1364	436687.2	3725093	7.86E-10	1.71E-10	9.57E-10	1.55E-10	2.14E-11	1.77E-10	8.35E-10	9.95E-11	9.34E-10	8.60E-11	7.27E-12	9.32E-11

1365	436712.2	3725725	8.44E-10	1.83E-10	1.03E-09	1.67E-10	2.30E-11	1.90E-10	8.97E-10	1.07E-10	1.00E-09	9.24E-11	7.81E-12	1.00E-10
1366	436707.1	3725717	8.39E-10	1.82E-10	1.02E-09	1.66E-10	2.29E-11	1.89E-10	8.91E-10	1.06E-10	9.97E-10	9.18E-11	7.76E-12	9.95E-11
1367	436702	3725709	8.32E-10	1.81E-10	1.01E-09	1.64E-10	2.27E-11	1.87E-10	8.84E-10	1.05E-10	9.89E-10	9.10E-11	7.69E-12	9.87E-11
1368	436696.8	3725701	8.25E-10	1.79E-10	1.00E-09	1.63E-10	2.25E-11	1.85E-10	8.76E-10	1.04E-10	9.81E-10	9.02E-11	7.63E-12	9.79E-11
1369	436691.7	3725693	8.18E-10	1.78E-10	9.96E-10	1.62E-10	2.23E-11	1.84E-10	8.69E-10	1.04E-10	9.72E-10	8.95E-11	7.57E-12	9.70E-11
1370	436686.6	3725685	8.12E-10	1.76E-10	9.88E-10	1.60E-10	2.21E-11	1.82E-10	8.62E-10	1.03E-10	9.65E-10	8.88E-11	7.51E-12	9.63E-11
1371	436681.5	3725676	8.05E-10	1.75E-10	9.80E-10	1.59E-10	2.20E-11	1.81E-10	8.55E-10	1.02E-10	9.57E-10	8.80E-11	7.44E-12	9.55E-11
1372	436676.3	3725668	7.98E-10	1.73E-10	9.71E-10	1.58E-10	2.18E-11	1.79E-10	8.48E-10	1.01E-10	9.49E-10	8.73E-11	7.38E-12	9.47E-11
1373	436671.2	3725660	7.92E-10	1.72E-10	9.64E-10	1.56E-10	2.16E-11	1.78E-10	8.41E-10	1.00E-10	9.41E-10	8.66E-11	7.32E-12	9.39E-11
1374	436666.1	3725652	7.85E-10	1.71E-10	9.56E-10	1.55E-10	2.14E-11	1.77E-10	8.34E-10	9.94E-11	9.34E-10	8.59E-11	7.26E-12	9.32E-11
1375	436661	3725644	7.79E-10	1.69E-10	9.48E-10	1.54E-10	2.13E-11	1.75E-10	8.27E-10	9.86E-11	9.26E-10	8.52E-11	7.21E-12	9.24E-11
1376	436655.8	3725636	7.73E-10	1.68E-10	9.41E-10	1.53E-10	2.11E-11	1.74E-10	8.21E-10	9.78E-11	9.19E-10	8.45E-11	7.15E-12	9.17E-11
1377	436650.7	3725628	7.66E-10	1.67E-10	9.33E-10	1.51E-10	2.09E-11	1.72E-10	8.14E-10	9.70E-11	9.11E-10	8.38E-11	7.09E-12	9.09E-11
1378	436645.6	3725620	7.61E-10	1.65E-10	9.26E-10	1.50E-10	2.08E-11	1.71E-10	8.08E-10	9.63E-11	9.04E-10	8.32E-11	7.04E-12	9.03E-11
1379	436640.5	3725612	7.55E-10	1.64E-10	9.19E-10	1.49E-10	2.06E-11	1.70E-10	8.02E-10	9.56E-11	8.98E-10	8.26E-11	6.98E-12	8.96E-11
1380	436635.3	3725604	7.50E-10	1.63E-10	9.12E-10	1.48E-10	2.04E-11	1.68E-10	7.96E-10	9.49E-11	8.91E-10	8.20E-11	6.93E-12	8.89E-11
1381	436630.6	3725586	7.43E-10	1.61E-10	9.05E-10	1.47E-10	2.03E-11	1.67E-10	7.89E-10	9.41E-11	8.84E-10	8.13E-11	6.87E-12	8.82E-11
1382	436630.9	3725576	7.43E-10	1.61E-10	9.04E-10	1.47E-10	2.03E-11	1.67E-10	7.89E-10	9.40E-11	8.83E-10	8.12E-11	6.87E-12	8.81E-11
1383	436631.3	3725567	7.42E-10	1.61E-10	9.03E-10	1.47E-10	2.02E-11	1.67E-10	7.88E-10	9.39E-11	8.82E-10	8.12E-11	6.86E-12	8.80E-11
1384	436631.6	3725557	7.44E-10	1.62E-10	9.06E-10	1.47E-10	2.03E-11	1.67E-10	7.91E-10	9.43E-11	8.85E-10	8.14E-11	6.89E-12	8.83E-11
1385	436632	3725548	7.48E-10	1.62E-10	9.10E-10	1.48E-10	2.04E-11	1.68E-10	7.94E-10	9.47E-11	8.89E-10	8.18E-11	6.91E-12	8.87E-11
1386	436632.3	3725538	7.49E-10	1.63E-10	9.12E-10	1.48E-10	2.04E-11	1.68E-10	7.95E-10	9.48E-11	8.90E-10	8.19E-11	6.93E-12	8.88E-11
1387	436632.7	3725529	7.50E-10	1.63E-10	9.12E-10	1.48E-10	2.04E-11	1.68E-10	7.96E-10	9.49E-11	8.91E-10	8.20E-11	6.93E-12	8.89E-11
1388	436633.1	3725519	7.51E-10	1.63E-10	9.14E-10	1.48E-10	2.05E-11	1.69E-10	7.97E-10	9.51E-11	8.93E-10	8.21E-11	6.94E-12	8.91E-11
1389	436633.4	3725510	7.51E-10	1.63E-10	9.15E-10	1.48E-10	2.05E-11	1.69E-10	7.98E-10	9.51E-11	8.93E-10	8.22E-11	6.95E-12	8.91E-11
1390	436643.4	3725242	7.34E-10	1.59E-10	8.93E-10	1.45E-10	2.00E-11	1.65E-10	7.79E-10	9.29E-11	8.72E-10	8.03E-11	6.79E-12	8.71E-11
1391	437682.2	3725421	5.41E-07	1.18E-07	6.58E-07	1.07E-07	1.48E-08	1.22E-07	5.75E-07	6.85E-08	6.43E-07	5.92E-08	5.00E-09	6.42E-08
1392	437676	3725429	4.19E-07	9.11E-08	5.10E-07	8.28E-08	1.14E-08	9.42E-08	4.45E-07	5.31E-08	4.98E-07	4.59E-08	3.88E-09	4.97E-08
1393	437669.7	3725437	3.35E-07	7.28E-08	4.08E-07	6.62E-08	9.14E-09	7.53E-08	3.56E-07	4.24E-08	3.98E-07	3.66E-08	3.10E-09	3.97E-08
1394	437663.5	3725444	2.74E-07	5.94E-08	3.33E-07	5.40E-08	7.46E-09	6.15E-08	2.91E-07	3.46E-08	3.25E-07	2.99E-08	2.53E-09	3.25E-08
1395	437657.2	3725452	2.27E-07	4.93E-08	2.76E-07	4.48E-08	6.20E-09	5.10E-08	2.41E-07	2.88E-08	2.70E-07	2.48E-08	2.10E-09	2.69E-08
1396	437645.1	3725455	1.91E-07	4.14E-08	2.32E-07	3.76E-08	5.20E-09	4.28E-08	2.02E-07	2.41E-08	2.27E-07	2.09E-08	1.76E-09	2.26E-08
1397	437638.9	3725463	1.61E-07	3.51E-08	1.96E-07	3.19E-08	4.40E-09	3.63E-08	1.71E-07	2.04E-08	1.92E-07	1.77E-08	1.49E-09	1.91E-08
1398	437607.6	3725502	7.89E-08	1.71E-08	9.61E-08	1.56E-08	2.15E-09	1.77E-08	8.38E-08	9.99E-09	9.38E-08	8.63E-09	7.30E-10	9.36E-09
1399	437595.1	3725518	6.18E-08	1.34E-08	7.52E-08	1.22E-08	1.69E-09	1.39E-08	6.57E-08	7.83E-09	7.35E-08	6.76E-09	5.72E-10	7.33E-09
1400	437582.6	3725533	4.94E-08	1.07E-08	6.01E-08	9.75E-09	1.35E-09	1.11E-08	5.24E-08	6.25E-09	5.87E-08	5.40E-09	4.56E-10	5.86E-09
1401	437570.1	3725549	4.00E-08	8.69E-09	4.87E-08	7.90E-09	1.09E-09	9.00E-09	4.25E-08	5.07E-09	4.76E-08	4.38E-09	3.70E-10	4.75E-09
1402	437631.4	3725681	2.40E-08	5.22E-09	2.92E-08	4.74E-09	6.55E-10	5.40E-09	2.55E-08	3.04E-09	2.86E-08	2.63E-09	2.22E-10	2.85E-09
1403	437617.3	3725676	2.32E-08	5.04E-09	2.82E-08	4.58E-09	6.33E-10	5.21E-09	2.46E-08	2.94E-09	2.76E-08	2.54E-09	2.15E-10	2.75E-09
1404	437603.2	3725672	2.23E-08	4.84E-09	2.71E-08	4.40E-09	6.07E-10	5.00E-09	2.36E-08	2.82E-09	2.65E-08	2.44E-09	2.06E-10	2.64E-09
1405	437661	3725710	2.26E-08	4.92E-09	2.76E-08	4.47E-09	6.18E-10	5.09E-09	2.40E-08	2.87E-09	2.69E-08	2.48E-09	2.09E-10	2.69E-09
1406	437646.9	3725705	2.20E-08	4.78E-09	2.68E-08	4.34E-09	6.00E-10	4.94E-09	2.33E-08	2.78E-09	2.61E-08	2.40E-09	2.03E-10	2.61E-09
1407	437632.7	3725701	2.14E-08	4.65E-09	2.60E-08	4.22E-09	5.83E-10	4.81E-09	2.27E-08	2.71E-09	2.54E-08	2.34E-09	1.98E-10	2.54E-09
1408	437618.6	3725696	2.07E-08	4.50E-09	2.52E-08	4.09E-09	5.65E-10	4.66E-09	2.20E-08	2.62E-09	2.46E-08	2.27E-09	1.92E-10	2.46E-09
1409	437604.5	3725692	1.99E-08	4.32E-09	2.42E-08	3.93E-09	5.42E-10	4.47E-09	2.11E-08	2.52E-09	2.36E-08	2.17E-09	1.84E-10	2.36E-09
1410	437590.3	3725687	1.90E-08	4.12E-09	2.31E-08	3.75E-09	5.17E-10	4.26E-09	2.01E-08	2.40E-09	2.25E-08	2.07E-09	1.75E-10	2.25E-09
1411	437576.2	3725682	1.81E-08	3.94E-09	2.21E-08	3.58E-09	4.95E-10	4.08E-09	1.93E-08	2.30E-09	2.16E-08	1.98E-09	1.68E-10	2.15E-09
1412	437578	3725712	1.58E-08	3.43E-09	1.92E-08	3.12E-09	4.31E-10	3.55E-09	1.68E-08	2.00E-09	1.88E-08	1.73E-09	1.46E-10	1.88E-09
1413	437563.9	3725707	1.51E-08	3.28E-09	1.84E-08	2.98E-09	4.12E-10	3.39E-09	1.60E-08	1.91E-09	1.79E-08	1.65E-09	1.39E-10	1.79E-09
1414	437549.7	3725703	1.43E-08	3.10E-09	1.73E-08	2.81E-09	3.89E-10	3.20E-09	1.51E-08	1.80E-09	1.69E-08	1.56E-09	1.32E-10	1.69E-09
1415	437722	3725788	1.76E-08	3.82E-09	2.14E-08	3.47E-09	4.79E-10	3.95E-09	1.87E-08	2.22E-09	2.09E-08	1.92E-09	1.62E-10	2.08E-09
1416	437707.8	3725784	1.74E-08	3.77E-09	2.11E-08	3.43E-09	4.74E-10	3.91E-09	1.85E-08	2.20E-09	2.07E-08	1.90E-09	1.61E-10	2.06E-09
1417	437693.6	3725779	1.71E-08	3.72E-09	2.08E-08	3.38E-09	4.67E-10	3.85E-09	1.82E-08	2.17E-09	2.03E-08	1.87E-09	1.58E-10	2.03E-09
1418	437752.3	3725822	1.59E-08	3.46E-09	1.94E-08	3.14E-09	4.34E-10	3.58E-09	1.69E-08	2.02E-09	1.89E-08	1.74E-09	1.47E-10	1.89E-09
1419	437738.5	3725823	1.53E-08	3.32E-09	1.86E-08	3.02E-09	4.17E-10	3.43E-09	1.62E-08	1.93E-09	1.82E-08	1.67E-09	1.41E-10	1.81E-09
1420	437724.3	3725818	1.50E-08	3.27E-09	1.83E-08	2.97E-09	4.11E-10	3.38E-09	1.60E-08	1.91E-09	1.79E-08	1.65E-09	1.39E-10	1.79E-09
1421	437710	3725814	1.48E-08	3.21E-09	1.80E-08	2.92E-09	4.04E-10	3.33E-09	1.57E-08	1.87E-09	1.76E-08	1.62E-09	1.37E-10	1.76E-09
1422	437695.8	3725809	1.46E-08	3.18E-09	1.78E-08	2.89E-09	3.99E-10	3.29E-09	1.55E-08	1.85E-09	1.74E-08	1.60E-09	1.35E-10	1.73E-09
1423	437681.5	3725804	1.44E-08	3.13E-09	1.75E-08	2.85E-09	3.93E-10	3.24E-09	1.53E-08	1.83E-09	1.71E-08	1.58E-09	1.33E-10	1.71E-09
1424	437553.4	3725762	1.11E-08	2.42E-09	1.36E-08	2.20E-09	3.04E-10	2.51E-09	1.18E-08	1.41E-09	1.33E-08	1.22E-09	1.03E-10	1.32E-09
1425	437539.2	3725758	1.06E-08	2.31E-09	1.30E-08	2.10E-09	2.90E-10	2.39E-09	1.13E-08	1.35E-09	1.27E-08	1.16E-09	9.84E-11	1.26E-09
1426	437525	3725753	1.01E-08	2.20E-09	1.23E-08	2.00E-09	2.77E-10	2.28E-09	1.08E-08	1.28E-09	1.21E-08	1.11E-09	9.38E-11	1.20E-09
1427	437774.7	3725842	1.53E-08	3.33E-09	1.86E-08	3.02E-09	4.18E-10	3.44E-09	1.63E-08	1.94E-09	1.82E-08	1.67E-09	1.42E-10	1.82E-09
1428	437761.3	3725848	1.44E-08	3.14E-09	1.76E-08	2.85E-09	3.94E-10	3.24E-09	1.53E-08	1.83E-09	1.72E-08	1.58E-09	1.34E-10	1.71E-09
1429	437740.8	3725853	1.35E-08	2.92E-09	1.64E-08	2.66E-09	3.67E-10	3.03E-09	1.43E-08	1.70E-09	1.60E-08	1.47E-09	1.24E-10	1.60E-09
1430	437726.5	3725848	1.32E-08	2.87E-09	1.61E-08	2.61E-09	3.60E-10	2.97E-09	1.40E-08	1.67E-09	1.57E-08	1.45E-09	1.22E-10	1.57E-09
1431	437598.2	3725806	1.09E-08	2.38E-09	1.33E-08	2.16E-09	2.98E-10	2.46E-09	1.16E-08	1.38E-09	1.30E-08	1.20E-09	1.01E-10	1.30E-09
1432	437583.9	3725801	1.06E-08	2.31E-09	1.29E-08	2.10E-09	2.90E-10	2.39E-09	1.13E-08	1.35E-09	1.26E-08	1.16E-09	9.84E-11	1.26E-09
1433	437569.7	3725797	1.03E-08	2.24E-09	1.25E-08	2.03E-09	2.81E-10	2.31E-09	1.09E-08	1.30E-09	1.22E-08	1.13E-09	9.52E-11	1.22E-09
1434	437555.4	3725792	9.93E-09	2.16E-09	1.21E-08	1.96E-09	2.71E-10	2.23E-09	1.05E-08	1.26E-09	1.18E-08	1.09E-09	9.19E-11	1.18E-09
1435	437541.1	3725787	9.52E-09	2.07E-09	1.16E-08	1.88E-09	2.60E-10	2.14E-09	1.01E-08	1.21E-09	1.13E-08	1.04E-09	8.81E-11	1.13E-09
1436	437526.9	3725783	9.11E-09	1.98E-09	1.11E-08	1.80E-09	2.48E-10	2.05E-09	9.67E-09	1.15E-09	1.08E-08	9.96E-10	8.42E-11	1.08E-09
1437	437810.5	3725854	1.55E-08	3.37E-09	1.89E-08	3.07E-09	4.24E-10	3.49E-09	1.65E-08	1.97E-09	1.85E-08	1.70E-09	1.44E-10	1.84E-09
1438	437797.1	3725861	1.47E-08	3.20E-09	1.80E-08	2.91E-09	4.02E-10	3.32E-09	1.57E-08	1.87E-09	1.75E-08	1.61E-09	1.36E-10	1.75E-09
1439	437783.7	3725868	1.40E-08	3.04E-09	1.70E-08	2.76E-09	3.82E-10	3.15E-09	1.49E-08	1.77E-09	1.66E-08	1.53E-09	1.29E-10	1.66E-09
1440	437770.3	3725875	1.33E-08	2.89E-09	1.62E-08	2.63E-09	3.63E-10	2.99E-09	1.41E-08	1.68E-09	1.58E-08	1.45E-09	1.23E-10	1.58E-09

1441	437614.5	3725841	9.81E-09	2.13E-09	1.19E-08	1.94E-09	2.68E-10	2.20E-09	1.04E-08	1.24E-09	1.17E-08	1.07E-09	9.07E-11	1.16E-09
1442	437600.2	3725836	9.60E-09	2.09E-09	1.17E-08	1.90E-09	2.62E-10	2.16E-09	1.02E-08	1.22E-09	1.14E-08	1.05E-09	8.88E-11	1.14E-09
1443	437557.4	3725822	8.87E-09	1.93E-09	1.08E-08	1.75E-09	2.42E-10	1.99E-09	9.42E-09	1.12E-09	1.05E-08	9.70E-10	8.20E-11	1.05E-09
1444	437833	3725874	1.48E-08	3.22E-09	1.81E-08	2.93E-09	4.05E-10	3.33E-09	1.58E-08	1.88E-09	1.76E-08	1.62E-09	1.37E-10	1.76E-09
1445	437819.6	3725881	1.42E-08	3.08E-09	1.73E-08	2.80E-09	3.87E-10	3.19E-09	1.51E-08	1.80E-09	1.69E-08	1.55E-09	1.31E-10	1.68E-09
1446	437806.2	3725888	1.35E-08	2.94E-09	1.65E-08	2.67E-09	3.69E-10	3.04E-09	1.44E-08	1.71E-09	1.61E-08	1.48E-09	1.25E-10	1.61E-09
1447	437792.8	3725895	1.29E-08	2.81E-09	1.57E-08	2.55E-09	3.53E-10	2.90E-09	1.37E-08	1.64E-09	1.54E-08	1.41E-09	1.20E-10	1.53E-09
1448	437645.3	3725880	9.22E-09	2.00E-09	1.12E-08	1.82E-09	2.52E-10	2.07E-09	9.80E-09	1.17E-09	1.10E-08	1.01E-09	8.53E-11	1.09E-09
1449	437631	3725875	8.97E-09	1.95E-09	1.09E-08	1.77E-09	2.45E-10	2.02E-09	9.52E-09	1.14E-09	1.07E-08	9.81E-10	8.29E-11	1.06E-09
1450	437616.7	3725870	8.72E-09	1.90E-09	1.06E-08	1.72E-09	2.38E-10	1.96E-09	9.26E-09	1.10E-09	1.04E-08	9.54E-10	8.07E-11	1.03E-09
1451	437602.4	3725866	8.52E-09	1.85E-09	1.04E-08	1.68E-09	2.32E-10	1.91E-09	9.05E-09	1.08E-09	1.01E-08	9.32E-10	7.88E-11	1.01E-09
1452	437855.5	3725894	1.40E-08	3.03E-09	1.70E-08	2.76E-09	3.81E-10	3.14E-09	1.48E-08	1.77E-09	1.66E-08	1.53E-09	1.29E-10	1.66E-09
1453	437842.1	3725901	1.35E-08	2.93E-09	1.64E-08	2.66E-09	3.68E-10	3.03E-09	1.43E-08	1.71E-09	1.60E-08	1.47E-09	1.25E-10	1.60E-09
1454	437828.7	3725907	1.30E-08	2.82E-09	1.58E-08	2.56E-09	3.54E-10	2.91E-09	1.38E-08	1.64E-09	1.54E-08	1.42E-09	1.20E-10	1.54E-09
1455	437815.3	3725914	1.24E-08	2.70E-09	1.51E-08	2.45E-09	3.39E-10	2.79E-09	1.32E-08	1.57E-09	1.48E-08	1.36E-09	1.15E-10	1.47E-09
1456	437801.8	3725921	1.19E-08	2.58E-09	1.45E-08	2.35E-09	3.24E-10	2.67E-09	1.26E-08	1.50E-09	1.41E-08	1.30E-09	1.10E-10	1.41E-09
1457	437788.4	3725928	1.13E-08	2.46E-09	1.38E-08	2.24E-09	3.09E-10	2.55E-09	1.20E-08	1.44E-09	1.35E-08	1.24E-09	1.05E-10	1.35E-09
1458	437690.4	3725924	9.23E-09	2.01E-09	1.12E-08	1.82E-09	2.52E-10	2.08E-09	9.81E-09	1.17E-09	1.10E-08	1.01E-09	8.54E-11	1.10E-09
1459	437676.1	3725919	8.98E-09	1.95E-09	1.09E-08	1.77E-09	2.45E-10	2.02E-09	9.54E-09	1.14E-09	1.07E-08	9.83E-10	8.31E-11	1.07E-09
1460	437878.1	3725913	1.31E-08	2.86E-09	1.60E-08	2.60E-09	3.59E-10	2.95E-09	1.40E-08	1.66E-09	1.56E-08	1.44E-09	1.22E-10	1.56E-09
1461	437864.7	3725920	1.27E-08	2.76E-09	1.55E-08	2.51E-09	3.47E-10	2.86E-09	1.35E-08	1.61E-09	1.51E-08	1.39E-09	1.18E-10	1.51E-09
1462	437851.2	3725927	1.23E-08	2.67E-09	1.49E-08	2.42E-09	3.35E-10	2.76E-09	1.30E-08	1.55E-09	1.46E-08	1.34E-09	1.13E-10	1.46E-09
1463	437837.8	3725934	1.18E-08	2.57E-09	1.44E-08	2.33E-09	3.22E-10	2.65E-09	1.25E-08	1.50E-09	1.40E-08	1.29E-09	1.09E-10	1.40E-09
1464	437824.4	3725941	1.13E-08	2.46E-09	1.38E-08	2.24E-09	3.09E-10	2.55E-09	1.20E-08	1.44E-09	1.35E-08	1.24E-09	1.05E-10	1.35E-09
1465	437810.9	3725948	1.09E-08	2.36E-09	1.32E-08	2.15E-09	2.97E-10	2.44E-09	1.15E-08	1.38E-09	1.29E-08	1.19E-09	1.01E-10	1.29E-09
1466	437797.5	3725954	1.04E-08	2.26E-09	1.27E-08	2.06E-09	2.84E-10	2.34E-09	1.11E-08	1.32E-09	1.24E-08	1.14E-09	9.63E-11	1.24E-09
1467	437735.6	3725968	8.96E-09	1.95E-09	1.09E-08	1.77E-09	2.45E-10	2.02E-09	9.52E-09	1.14E-09	1.07E-08	9.81E-10	8.29E-11	1.06E-09
1468	437721.3	3725963	8.80E-09	1.91E-09	1.07E-08	1.74E-09	2.40E-10	1.98E-09	9.35E-09	1.11E-09	1.05E-08	9.63E-10	8.14E-11	1.04E-09
1469	437707	3725958	8.64E-09	1.88E-09	1.05E-08	1.71E-09	2.36E-10	1.94E-09	9.17E-09	1.09E-09	1.03E-08	9.45E-10	7.99E-11	1.02E-09
1470	437692.6	3725954	8.44E-09	1.83E-09	1.03E-08	1.67E-09	2.30E-10	1.90E-09	8.97E-09	1.07E-09	1.00E-08	9.23E-10	7.81E-11	1.00E-09
1471	437678.3	3725949	8.23E-09	1.79E-09	1.00E-08	1.63E-09	2.25E-10	1.85E-09	8.75E-09	1.04E-09	9.79E-09	9.01E-10	7.62E-11	9.77E-10
1472	437664	3725944	8.01E-09	1.74E-09	9.75E-09	1.58E-09	2.18E-10	1.80E-09	8.51E-09	1.01E-09	9.52E-09	8.76E-10	7.41E-11	9.50E-10
1473	437649.6	3725940	7.77E-09	1.69E-09	9.46E-09	1.54E-09	2.12E-10	1.75E-09	8.26E-09	9.84E-10	9.24E-09	8.50E-10	7.19E-11	9.22E-10
1474	437846.9	3725960	1.08E-08	2.35E-09	1.32E-08	2.14E-09	2.95E-10	2.43E-09	1.15E-08	1.37E-09	1.29E-08	1.18E-09	1.00E-10	1.28E-09
1475	437833.5	3725967	1.04E-08	2.26E-09	1.27E-08	2.05E-09	2.84E-10	2.34E-09	1.10E-08	1.32E-09	1.24E-08	1.14E-09	9.62E-11	1.23E-09
1476	437820	3725974	9.98E-09	2.17E-09	1.22E-08	1.97E-09	2.72E-10	2.24E-09	1.06E-08	1.26E-09	1.19E-08	1.09E-09	9.23E-11	1.18E-09
1477	437723.6	3725993	8.04E-09	1.75E-09	9.79E-09	1.59E-09	2.19E-10	1.81E-09	8.54E-09	1.02E-09	9.56E-09	8.79E-10	7.44E-11	9.54E-10
1478	437709.2	3725988	7.89E-09	1.71E-09	9.61E-09	1.56E-09	2.15E-10	1.77E-09	8.38E-09	9.99E-10	9.38E-09	8.63E-10	7.30E-11	9.36E-10
1479	437694.9	3725984	7.75E-09	1.68E-09	9.43E-09	1.53E-09	2.11E-10	1.74E-09	8.23E-09	9.81E-10	9.21E-09	8.48E-10	7.17E-11	9.19E-10
1480	437680.5	3725979	7.59E-09	1.65E-09	9.24E-09	1.50E-09	2.07E-10	1.71E-09	8.06E-09	9.61E-10	9.02E-09	8.30E-10	7.02E-11	9.00E-10
1481	437666.2	3725974	7.37E-09	1.60E-09	8.97E-09	1.46E-09	2.01E-10	1.66E-09	7.83E-09	9.33E-10	8.76E-09	8.06E-10	6.82E-11	8.74E-10
1482	437651.8	3725969	7.15E-09	1.55E-09	8.71E-09	1.41E-09	1.95E-10	1.61E-09	7.60E-09	9.06E-10	8.50E-09	7.82E-10	6.62E-11	8.49E-10
1483	437637.5	3725965	6.96E-09	1.51E-09	8.47E-09	1.37E-09	1.90E-10	1.56E-09	7.39E-09	8.81E-10	8.27E-09	7.61E-10	6.44E-11	8.26E-10
1484	437623.1	3725960	6.76E-09	1.47E-09	8.23E-09	1.34E-09	1.84E-10	1.52E-09	7.18E-09	8.56E-10	8.04E-09	7.40E-10	6.25E-11	8.02E-10
1485	437802.2	3726014	8.45E-09	1.84E-09	1.03E-08	1.67E-09	2.30E-10	1.90E-09	8.97E-09	1.07E-09	1.00E-08	9.24E-10	7.81E-11	1.00E-09
1486	437788.7	3726021	8.10E-09	1.76E-09	9.86E-09	1.60E-09	2.21E-10	1.82E-09	8.60E-09	1.03E-09	9.63E-09	8.86E-10	7.49E-11	9.61E-10
1487	437775.2	3726028	7.75E-09	1.68E-09	9.44E-09	1.53E-09	2.12E-10	1.74E-09	8.24E-09	9.82E-10	9.22E-09	8.48E-10	7.17E-11	9.20E-10
1488	437697.1	3726014	7.13E-09	1.55E-09	8.68E-09	1.41E-09	1.94E-10	1.60E-09	7.57E-09	9.02E-10	8.47E-09	7.80E-10	6.59E-11	8.46E-10
1489	437682.8	3726009	7.00E-09	1.52E-09	8.52E-09	1.38E-09	1.91E-10	1.57E-09	7.44E-09	8.86E-10	8.32E-09	7.66E-10	6.47E-11	8.31E-10
1490	437668.4	3726004	6.82E-09	1.48E-09	8.30E-09	1.35E-09	1.86E-10	1.53E-09	7.24E-09	8.63E-10	8.10E-09	7.46E-10	6.30E-11	8.09E-10
1491	437654	3725999	6.62E-09	1.44E-09	8.05E-09	1.31E-09	1.80E-10	1.49E-09	7.03E-09	8.38E-10	7.86E-09	7.24E-10	6.12E-11	7.85E-10
1492	437953.6	3725978	1.07E-08	2.32E-09	1.30E-08	2.11E-09	2.91E-10	2.40E-09	1.13E-08	1.35E-09	1.27E-08	1.17E-09	9.88E-11	1.27E-09
1493	437940.1	3725985	1.05E-08	2.28E-09	1.28E-08	2.07E-09	2.86E-10	2.36E-09	1.11E-08	1.33E-09	1.25E-08	1.15E-09	9.71E-11	1.25E-09
1494	437926.6	3725992	1.03E-08	2.24E-09	1.25E-08	2.03E-09	2.81E-10	2.32E-09	1.09E-08	1.30E-09	1.22E-08	1.13E-09	9.53E-11	1.22E-09
1495	437913.1	3725999	1.00E-08	2.18E-09	1.22E-08	1.98E-09	2.74E-10	2.26E-09	1.07E-08	1.27E-09	1.19E-08	1.10E-09	9.28E-11	1.19E-09
1496	437899.6	3726006	9.72E-09	2.11E-09	1.18E-08	1.92E-09	2.65E-10	2.19E-09	1.03E-08	1.23E-09	1.16E-08	1.06E-09	8.99E-11	1.15E-09
1497	437805.3	3726054	7.42E-09	1.61E-09	9.04E-09	1.47E-09	2.03E-10	1.67E-09	7.89E-09	9.40E-10	8.83E-09	8.12E-10	6.87E-11	8.81E-10
1498	437791.8	3726061	7.10E-09	1.54E-09	8.64E-09	1.40E-09	1.94E-10	1.60E-09	7.54E-09	8.99E-10	8.44E-09	7.77E-10	6.57E-11	8.42E-10
1499	437778.3	3726068	6.78E-09	1.47E-09	8.25E-09	1.34E-09	1.85E-10	1.52E-09	7.20E-09	8.58E-10	8.06E-09	7.42E-10	6.27E-11	8.04E-10
1500	437983.8	3726005	9.71E-09	2.11E-09	1.18E-08	1.92E-09	2.65E-10	2.18E-09	1.03E-08	1.23E-09	1.15E-08	1.06E-09	8.98E-11	1.15E-09
1501	437970.3	3726011	9.57E-09	2.08E-09	1.17E-08	1.89E-09	2.61E-10	2.15E-09	1.02E-08	1.21E-09	1.14E-08	1.05E-09	8.86E-11	1.14E-09
1502	437956.8	3726018	9.42E-09	2.05E-09	1.15E-08	1.86E-09	2.57E-10	2.12E-09	1.00E-08	1.19E-09	1.12E-08	1.03E-09	8.71E-11	1.12E-09
1503	437943.3	3726025	9.26E-09	2.01E-09	1.13E-08	1.83E-09	2.53E-10	2.08E-09	9.83E-09	1.17E-09	1.10E-08	1.01E-09	8.56E-11	1.10E-09
1504	437929.8	3726032	9.08E-09	1.97E-09	1.10E-08	1.79E-09	2.48E-10	2.04E-09	9.64E-09	1.15E-09	1.08E-08	9.93E-10	8.39E-11	1.08E-09
1505	437916.3	3726039	8.86E-09	1.93E-09	1.08E-08	1.75E-09	2.42E-10	1.99E-09	9.41E-09	1.12E-09	1.05E-08	9.70E-10	8.20E-11	1.05E-09
1506	437902.8	3726046	8.61E-09	1.87E-09	1.05E-08	1.70E-09	2.35E-10	1.93E-09	9.14E-09	1.09E-09	1.02E-08	9.42E-10	7.96E-11	1.02E-09
1507	437889.3	3726053	8.36E-09	1.82E-09	1.02E-08	1.65E-09	2.28E-10	1.88E-09	8.88E-09	1.06E-09	9.94E-09	9.14E-10	7.73E-11	9.92E-10
1508	438014.1	3726031	8.85E-09	1.92E-09	1.08E-08	1.75E-09	2.41E-10	1.99E-09	9.40E-09	1.12E-09	1.05E-08	9.68E-10	8.18E-11	1.05E-09
1509	438000.6	3726037	8.76E-09	1.90E-09	1.07E-08	1.73E-09	2.39E-10	1.97E-09	9.30E-09	1.11E-09	1.04E-08	9.58E-10	8.10E-11	1.04E-09
1510	437987	3726044	8.66E-09	1.88E-09	1.05E-08	1.71E-09	2.36E-10	1.95E-09	9.20E-09	1.10E-09	1.03E-08	9.47E-10	8.01E-11	1.03E-09
1511	437973.5	3726051	8.54E-09	1.86E-09	1.04E-08	1.69E-09	2.33E-10	1.92E-09	9.08E-09	1.08E-09	1.02E-08	9.35E-10	7.90E-11	1.01E-09
1512	437960	3726058	8.41E-09	1.83E-09	1.02E-08	1.66E-09	2.29E-10	1.89E-09	8.93E-09	1.06E-09	9.99E-09	9.20E-10	7.77E-11	9.97E-10
1513	437946.5	3726065	8.25E-09	1.79E-09	1.00E-08	1.63E-09	2.25E-10	1.86E-09	8.77E-09	1.05E-09	9.81E-09	9.03E-10	7.63E-11	9.79E-10
1514	437933	3726072	8.10E-09	1.76E-09	9.85E-09	1.60E-09	2.21E-10	1.82E-09	8.60E-09	1.03E-09	9.62E-09	8.86E-10	7.49E-11	9.60E-10
1515	437919.5	3726079	7.93E-09	1.72E-09	9.66E-09	1.57E-09	2.16E-10	1.78E-09	8.43E-09	1.00E-09	9.43E-09	8.68E-10	7.34E-11	9.41E-10
1516	437906	3726086	7.72E-09	1.68E-09	9.40E-09	1.52E-09	2.11E-10	1.74E-09	8.20E-09	9.77E-10	9.18E-09	8.44E-10	7.14E-11	9.16E-10

1517	437677.4	3726124	4.80E-09	1.04E-09	5.84E-09	9.48E-10	1.31E-10	1.08E-09	5.10E-09	6.08E-10	5.70E-09	5.25E-10	4.44E-11	5.69E-10
1518	437663	3726119	4.71E-09	1.02E-09	5.73E-09	9.30E-10	1.28E-10	1.06E-09	5.00E-09	5.96E-10	5.60E-09	5.15E-10	4.35E-11	5.59E-10
1519	437648.6	3726114	4.62E-09	1.00E-09	5.62E-09	9.12E-10	1.26E-10	1.04E-09	4.91E-09	5.85E-10	5.49E-09	5.05E-10	4.27E-11	5.48E-10
1520	437634.2	3726109	4.52E-09	9.82E-10	5.50E-09	8.93E-10	1.23E-10	1.02E-09	4.80E-09	5.72E-10	5.37E-09	4.95E-10	4.18E-11	5.36E-10
1521	438044.3	3726057	8.11E-09	1.76E-09	9.88E-09	1.60E-09	2.21E-10	1.82E-09	8.62E-09	1.03E-09	9.65E-09	8.88E-10	7.50E-11	9.63E-10
1522	438030.8	3726063	8.02E-09	1.74E-09	9.76E-09	1.58E-09	2.19E-10	1.80E-09	8.52E-09	1.02E-09	9.54E-09	8.78E-10	7.42E-11	9.52E-10
1523	438017.3	3726070	7.94E-09	1.73E-09	9.67E-09	1.57E-09	2.17E-10	1.79E-09	8.44E-09	1.01E-09	9.44E-09	8.69E-10	7.34E-11	9.42E-10
1524	438003.8	3726077	7.85E-09	1.71E-09	9.56E-09	1.55E-09	2.14E-10	1.77E-09	8.34E-09	9.94E-10	9.34E-09	8.59E-10	7.26E-11	9.32E-10
1525	437990.3	3726084	7.77E-09	1.69E-09	9.46E-09	1.53E-09	2.12E-10	1.75E-09	8.26E-09	9.84E-10	9.24E-09	8.50E-10	7.19E-11	9.22E-10
1526	437976.8	3726091	7.67E-09	1.67E-09	9.34E-09	1.52E-09	2.09E-10	1.73E-09	8.15E-09	9.72E-10	9.12E-09	8.40E-10	7.10E-11	9.11E-10
1527	437963.3	3726098	7.55E-09	1.64E-09	9.19E-09	1.49E-09	2.06E-10	1.70E-09	8.02E-09	9.56E-10	8.98E-09	8.26E-10	6.99E-11	8.96E-10
1528	437949.7	3726105	7.43E-09	1.61E-09	9.04E-09	1.47E-09	2.03E-10	1.67E-09	7.89E-09	9.41E-10	8.83E-09	8.13E-10	6.87E-11	8.81E-10
1529	437936.2	3726112	7.28E-09	1.58E-09	8.86E-09	1.44E-09	1.99E-10	1.64E-09	7.73E-09	9.22E-10	8.65E-09	7.96E-10	6.73E-11	8.64E-10
1530	437922.7	3726119	7.13E-09	1.55E-09	8.67E-09	1.41E-09	1.94E-10	1.60E-09	7.57E-09	9.02E-10	8.47E-09	7.79E-10	6.59E-11	8.45E-10
1531	437909.2	3726125	6.96E-09	1.51E-09	8.47E-09	1.37E-09	1.90E-10	1.56E-09	7.39E-09	8.81E-10	8.27E-09	7.61E-10	6.44E-11	8.26E-10
1532	437895.7	3726132	6.79E-09	1.47E-09	8.26E-09	1.34E-09	1.85E-10	1.53E-09	7.21E-09	8.59E-10	8.07E-09	7.42E-10	6.28E-11	8.05E-10
1533	437882.2	3726139	6.59E-09	1.43E-09	8.03E-09	1.30E-09	1.80E-10	1.48E-09	7.00E-09	8.35E-10	7.84E-09	7.21E-10	6.10E-11	7.82E-10
1534	437666	3726159	4.38E-09	9.51E-10	5.33E-09	8.64E-10	1.19E-10	9.84E-10	4.65E-09	5.54E-10	5.20E-09	4.79E-10	4.05E-11	5.19E-10
1535	437651.6	3726154	4.27E-09	9.27E-10	5.19E-09	8.43E-10	1.16E-10	9.59E-10	4.53E-09	5.40E-10	5.07E-09	4.67E-10	3.95E-11	5.06E-10
1536	437637.1	3726149	4.17E-09	9.05E-10	5.07E-09	8.23E-10	1.14E-10	9.36E-10	4.43E-09	5.28E-10	4.95E-09	4.56E-10	3.85E-11	4.94E-10
1537	437622.7	3726145	4.07E-09	8.84E-10	4.95E-09	8.03E-10	1.11E-10	9.14E-10	4.32E-09	5.15E-10	4.84E-09	4.45E-10	3.76E-11	4.83E-10
1538	438074.6	3726083	7.63E-09	1.66E-09	9.28E-09	1.51E-09	2.08E-10	1.71E-09	8.10E-09	9.66E-10	9.07E-09	8.34E-10	7.05E-11	9.05E-10
1539	438061.1	3726089	7.50E-09	1.63E-09	9.13E-09	1.48E-09	2.05E-10	1.69E-09	7.97E-09	9.50E-10	8.92E-09	8.21E-10	6.94E-11	8.90E-10
1540	438047.6	3726096	7.38E-09	1.60E-09	8.98E-09	1.46E-09	2.01E-10	1.66E-09	7.84E-09	9.34E-10	8.77E-09	8.07E-10	6.82E-11	8.75E-10
1541	438034.1	3726103	7.27E-09	1.58E-09	8.85E-09	1.44E-09	1.98E-10	1.63E-09	7.72E-09	9.20E-10	8.64E-09	7.95E-10	6.72E-11	8.62E-10
1542	438020.5	3726110	7.19E-09	1.56E-09	8.75E-09	1.42E-09	1.96E-10	1.62E-09	7.63E-09	9.10E-10	8.55E-09	7.86E-10	6.65E-11	8.53E-10
1543	438007	3726117	7.10E-09	1.54E-09	8.64E-09	1.40E-09	1.94E-10	1.60E-09	7.54E-09	8.99E-10	8.44E-09	7.77E-10	6.57E-11	8.42E-10
1544	437993.5	3726124	7.02E-09	1.52E-09	8.54E-09	1.39E-09	1.91E-10	1.58E-09	7.45E-09	8.88E-10	8.34E-09	7.68E-10	6.49E-11	8.33E-10
1545	437980	3726131	6.93E-09	1.51E-09	8.43E-09	1.37E-09	1.89E-10	1.56E-09	7.36E-09	8.77E-10	8.24E-09	7.58E-10	6.41E-11	8.22E-10
1546	437966.4	3726138	6.83E-09	1.48E-09	8.31E-09	1.35E-09	1.86E-10	1.53E-09	7.25E-09	8.64E-10	8.11E-09	7.47E-10	6.31E-11	8.10E-10
1547	437952.9	3726145	6.72E-09	1.46E-09	8.18E-09	1.33E-09	1.83E-10	1.51E-09	7.14E-09	8.51E-10	7.99E-09	7.35E-10	6.21E-11	7.97E-10
1548	437939.4	3726151	6.59E-09	1.43E-09	8.02E-09	1.30E-09	1.80E-10	1.48E-09	7.00E-09	8.34E-10	7.83E-09	7.21E-10	6.09E-11	7.82E-10
1549	437925.9	3726158	6.45E-09	1.40E-09	7.86E-09	1.27E-09	1.76E-10	1.45E-09	6.85E-09	8.17E-10	7.67E-09	7.06E-10	5.97E-11	7.66E-10
1550	437912.4	3726165	6.30E-09	1.37E-09	7.67E-09	1.25E-09	1.72E-10	1.42E-09	6.70E-09	7.98E-10	7.50E-09	6.90E-10	5.83E-11	7.48E-10
1551	437898.8	3726172	6.14E-09	1.33E-09	7.47E-09	1.21E-09	1.68E-10	1.38E-09	6.52E-09	7.77E-10	7.30E-09	6.72E-10	5.68E-11	7.28E-10
1552	437885.3	3726179	5.97E-09	1.30E-09	7.27E-09	1.18E-09	1.63E-10	1.34E-09	6.34E-09	7.56E-10	7.10E-09	6.53E-10	5.52E-11	7.08E-10
1553	437871.8	3726186	5.80E-09	1.26E-09	7.06E-09	1.15E-09	1.58E-10	1.30E-09	6.16E-09	7.34E-10	6.90E-09	6.34E-10	5.36E-11	6.88E-10
1554	437858.3	3726193	5.63E-09	1.22E-09	6.86E-09	1.11E-09	1.54E-10	1.27E-09	5.98E-09	7.13E-10	6.70E-09	6.16E-10	5.21E-11	6.68E-10
1555	437844.7	3726200	5.46E-09	1.19E-09	6.65E-09	1.08E-09	1.49E-10	1.23E-09	5.80E-09	6.91E-10	6.49E-09	5.97E-10	5.05E-11	6.48E-10
1556	437831.2	3726207	5.28E-09	1.15E-09	6.43E-09	1.04E-09	1.44E-10	1.19E-09	5.61E-09	6.69E-10	6.28E-09	5.78E-10	4.89E-11	6.27E-10
1557	437817.7	3726213	5.10E-09	1.11E-09	6.21E-09	1.01E-09	1.39E-10	1.15E-09	5.42E-09	6.46E-10	6.07E-09	5.58E-10	4.72E-11	6.05E-10
1558	437611.3	3726180	3.71E-09	8.06E-10	4.51E-09	7.32E-10	1.01E-10	8.34E-10	3.94E-09	4.70E-10	4.41E-09	4.06E-10	3.43E-11	4.40E-10
1559	437596.9	3726175	3.63E-09	7.89E-10	4.42E-09	7.18E-10	9.91E-11	8.17E-10	3.86E-09	4.60E-10	4.32E-09	3.98E-10	3.36E-11	4.31E-10
1560	437582.4	3726170	3.57E-09	7.75E-10	4.34E-09	7.05E-10	9.73E-11	8.02E-10	3.79E-09	4.52E-10	4.24E-09	3.90E-10	3.30E-11	4.23E-10
1561	438348.6	3725984	6.58E-09	1.43E-09	8.02E-09	1.30E-09	1.80E-10	1.48E-09	6.99E-09	8.34E-10	7.83E-09	7.20E-10	6.09E-11	7.81E-10
1562	438094.5	3726114	7.10E-09	1.54E-09	8.64E-09	1.40E-09	1.94E-10	1.60E-09	7.54E-09	8.99E-10	8.44E-09	7.77E-10	6.57E-11	8.42E-10
1563	438081.1	3726121	7.00E-09	1.52E-09	8.52E-09	1.38E-09	1.91E-10	1.57E-09	7.43E-09	8.86E-10	8.32E-09	7.65E-10	6.47E-11	8.30E-10
1564	438067.7	3726128	6.88E-09	1.50E-09	8.38E-09	1.36E-09	1.88E-10	1.55E-09	7.31E-09	8.72E-10	8.18E-09	7.53E-10	6.37E-11	8.17E-10
1565	438054.4	3726134	6.77E-09	1.47E-09	8.25E-09	1.34E-09	1.85E-10	1.52E-09	7.20E-09	8.58E-10	8.05E-09	7.41E-10	6.27E-11	8.04E-10
1566	438041	3726141	6.65E-09	1.45E-09	8.10E-09	1.31E-09	1.82E-10	1.50E-09	7.07E-09	8.42E-10	7.91E-09	7.28E-10	6.15E-11	7.89E-10
1567	438027.6	3726148	6.56E-09	1.43E-09	7.99E-09	1.30E-09	1.79E-10	1.48E-09	6.97E-09	8.31E-10	7.80E-09	7.18E-10	6.07E-11	7.79E-10
1568	438014.2	3726155	6.47E-09	1.41E-09	7.88E-09	1.28E-09	1.77E-10	1.46E-09	6.88E-09	8.20E-10	7.70E-09	7.08E-10	5.99E-11	7.68E-10
1569	438000.9	3726162	6.40E-09	1.39E-09	7.79E-09	1.26E-09	1.75E-10	1.44E-09	6.79E-09	8.10E-10	7.60E-09	7.00E-10	5.92E-11	7.59E-10
1570	437987.5	3726168	6.32E-09	1.37E-09	7.70E-09	1.25E-09	1.73E-10	1.42E-09	6.72E-09	8.01E-10	7.52E-09	6.92E-10	5.85E-11	7.50E-10
1571	437974.1	3726175	6.24E-09	1.35E-09	7.59E-09	1.23E-09	1.70E-10	1.40E-09	6.62E-09	7.90E-10	7.41E-09	6.82E-10	5.77E-11	7.40E-10
1572	437960.7	3726182	6.14E-09	1.33E-09	7.47E-09	1.21E-09	1.67E-10	1.38E-09	6.52E-09	7.77E-10	7.29E-09	6.71E-10	5.67E-11	7.28E-10
1573	437947.4	3726189	6.03E-09	1.31E-09	7.34E-09	1.19E-09	1.65E-10	1.36E-09	6.41E-09	7.64E-10	7.17E-09	6.60E-10	5.58E-11	7.16E-10
1574	437934	3726196	5.92E-09	1.29E-09	7.20E-09	1.17E-09	1.61E-10	1.33E-09	6.29E-09	7.49E-10	7.04E-09	6.47E-10	5.47E-11	7.02E-10
1575	437920.6	3726202	5.80E-09	1.26E-09	7.06E-09	1.14E-09	1.58E-10	1.30E-09	6.16E-09	7.34E-10	6.89E-09	6.34E-10	5.36E-11	6.88E-10
1576	437907.2	3726209	5.64E-09	1.23E-09	6.87E-09	1.11E-09	1.54E-10	1.27E-09	5.99E-09	7.15E-10	6.71E-09	6.17E-10	5.22E-11	6.69E-10
1577	437893.9	3726216	5.48E-09	1.19E-09	6.67E-09	1.08E-09	1.50E-10	1.23E-09	5.82E-09	6.94E-10	6.52E-09	6.00E-10	5.07E-11	6.51E-10
1578	437616.2	3726220	3.47E-09	7.54E-10	4.22E-09	6.85E-10	9.47E-11	7.80E-10	3.69E-09	4.39E-10	4.12E-09	3.80E-10	3.21E-11	4.12E-10
1579	437601.9	3726215	3.40E-09	7.38E-10	4.14E-09	6.71E-10	9.27E-11	7.64E-10	3.61E-09	4.30E-10	4.04E-09	3.72E-10	3.14E-11	4.03E-10
1580	437587.7	3726211	3.33E-09	7.23E-10	4.05E-09	6.57E-10	9.08E-11	7.48E-10	3.53E-09	4.21E-10	3.96E-09	3.64E-10	3.08E-11	3.95E-10
1581	437573.4	3726206	3.26E-09	7.09E-10	3.97E-09	6.45E-10	8.90E-11	7.34E-10	3.47E-09	4.13E-10	3.88E-09	3.57E-10	3.02E-11	3.87E-10
1582	437559.2	3726201	3.20E-09	6.95E-10	3.89E-09	6.32E-10	8.73E-11	7.19E-10	3.40E-09	4.05E-10	3.80E-09	3.50E-10	2.96E-11	3.80E-10
1583	438360.2	3725975	6.48E-09	1.41E-09	7.89E-09	1.28E-09	1.77E-10	1.46E-09	6.89E-09	8.21E-10	7.71E-09	7.09E-10	6.00E-11	7.69E-10
1584	438370	3725964	6.42E-09	1.39E-09	7.81E-09	1.27E-09	1.75E-10	1.44E-09	6.82E-09	8.13E-10	7.63E-09	7.02E-10	5.94E-11	7.61E-10
1585	438379	3726010	6.07E-09	1.32E-09	7.39E-09	1.20E-09	1.66E-10	1.36E-09	6.45E-09	7.68E-10	7.21E-09	6.64E-10	5.61E-11	7.20E-10
1586	438365.7	3726017	6.19E-09	1.34E-09	7.53E-09	1.22E-09	1.69E-10	1.39E-09	6.57E-09	7.83E-10	7.36E-09	6.77E-10	5.72E-11	7.34E-10
1587	438352.3	3726024	6.31E-09	1.37E-09	7.68E-09	1.25E-09	1.72E-10	1.42E-09	6.70E-09	7.99E-10	7.50E-09	6.90E-10	5.83E-11	7.48E-10
1588	438338.9	3726031	6.42E-09	1.40E-09	7.82E-09	1.27E-09	1.75E-10	1.44E-09	6.82E-09	8.13E-10	7.64E-09	7.03E-10	5.94E-11	7.62E-10
1589	438325.5	3726038	6.54E-09	1.42E-09	7.96E-09	1.29E-09	1.78E-10	1.47E-09	6.94E-09	8.28E-10	7.77E-09	7.15E-10	6.05E-11	7.75E-10
1590	438312.1	3726044	6.63E-09	1.44E-09	8.08E-09	1.31E-09	1.81E-10	1.49E-09	7.05E-09	8.40E-10	7.89E-09	7.26E-10	6.14E-11	7.87E-10
1591	438298.7	3726051	6.70E-09	1.46E-09	8.16E-09	1.32E-09	1.83E-10	1.51E-09	7.12E-09	8.49E-10	7.97E-09	7.33E-10	6.20E-11	7.95E-10
1592	438124.7	3726140	6.69E-09	1.45E-09	8.15E-09	1.32E-09	1.83E-10	1.50E-09	7.11E-09	8.48E-10	7.96E-09	7.32E-10	6.19E-11	7.94E-10

1593	438111.3	3726147	6.61E-09	1.44E-09	8.04E-09	1.31E-09	1.80E-10	1.49E-09	7.02E-09	8.37E-10	7.86E-09	7.23E-10	6.11E-11	7.84E-10
1594	438097.9	3726154	6.51E-09	1.42E-09	7.93E-09	1.29E-09	1.78E-10	1.46E-09	6.92E-09	8.25E-10	7.74E-09	7.13E-10	6.02E-11	7.73E-10
1595	438084.5	3726160	6.41E-09	1.39E-09	7.81E-09	1.27E-09	1.75E-10	1.44E-09	6.81E-09	8.12E-10	7.62E-09	7.02E-10	5.93E-11	7.61E-10
1596	438071.1	3726167	6.31E-09	1.37E-09	7.68E-09	1.25E-09	1.72E-10	1.42E-09	6.70E-09	7.99E-10	7.50E-09	6.90E-10	5.84E-11	7.49E-10
1597	438057.7	3726174	6.19E-09	1.35E-09	7.54E-09	1.22E-09	1.69E-10	1.39E-09	6.58E-09	7.84E-10	7.36E-09	6.77E-10	5.73E-11	7.35E-10
1598	438044.3	3726181	6.08E-09	1.32E-09	7.40E-09	1.20E-09	1.66E-10	1.37E-09	6.46E-09	7.70E-10	7.23E-09	6.65E-10	5.62E-11	7.21E-10
1599	438030.9	3726188	5.99E-09	1.30E-09	7.30E-09	1.18E-09	1.64E-10	1.35E-09	6.37E-09	7.59E-10	7.13E-09	6.56E-10	5.54E-11	7.11E-10
1600	438017.6	3726195	5.92E-09	1.29E-09	7.21E-09	1.17E-09	1.62E-10	1.33E-09	6.29E-09	7.50E-10	7.04E-09	6.48E-10	5.48E-11	7.03E-10
1601	438004.2	3726201	5.85E-09	1.27E-09	7.12E-09	1.15E-09	1.60E-10	1.31E-09	6.21E-09	7.40E-10	6.95E-09	6.40E-10	5.41E-11	6.94E-10
1602	437990.8	3726208	5.77E-09	1.25E-09	7.03E-09	1.14E-09	1.57E-10	1.30E-09	6.13E-09	7.31E-10	6.86E-09	6.31E-10	5.34E-11	6.85E-10
1603	437977.4	3726215	5.69E-09	1.24E-09	6.93E-09	1.12E-09	1.55E-10	1.28E-09	6.05E-09	7.21E-10	6.77E-09	6.23E-10	5.27E-11	6.75E-10
1604	437964	3726222	5.60E-09	1.22E-09	6.82E-09	1.11E-09	1.53E-10	1.26E-09	5.95E-09	7.09E-10	6.66E-09	6.13E-10	5.18E-11	6.64E-10
1605	437950.6	3726229	5.50E-09	1.20E-09	6.70E-09	1.09E-09	1.50E-10	1.24E-09	5.84E-09	6.97E-10	6.54E-09	6.02E-10	5.09E-11	6.53E-10
1606	437937.2	3726235	5.39E-09	1.17E-09	6.57E-09	1.07E-09	1.47E-10	1.21E-09	5.73E-09	6.83E-10	6.41E-09	5.90E-10	4.99E-11	6.40E-10
1607	437923.8	3726242	5.28E-09	1.15E-09	6.43E-09	1.04E-09	1.44E-10	1.19E-09	5.61E-09	6.68E-10	6.28E-09	5.78E-10	4.88E-11	6.26E-10
1608	437776.1	3726312	3.82E-09	8.29E-10	4.65E-09	7.54E-10	1.04E-10	8.58E-10	4.05E-09	4.83E-10	4.54E-09	4.18E-10	3.53E-11	4.53E-10
1609	437761.9	3726307	3.78E-09	8.22E-10	4.61E-09	7.47E-10	1.03E-10	8.50E-10	4.02E-09	4.79E-10	4.50E-09	4.14E-10	3.50E-11	4.49E-10
1610	437747.6	3726302	3.75E-09	8.14E-10	4.56E-09	7.40E-10	1.02E-10	8.42E-10	3.98E-09	4.74E-10	4.45E-09	4.10E-10	3.47E-11	4.45E-10
1611	437733.3	3726298	3.71E-09	8.05E-10	4.51E-09	7.32E-10	1.01E-10	8.33E-10	3.94E-09	4.69E-10	4.41E-09	4.05E-10	3.43E-11	4.40E-10
1612	437604.8	3726255	3.20E-09	6.95E-10	3.89E-09	6.32E-10	8.73E-11	7.19E-10	3.40E-09	4.05E-10	3.80E-09	3.50E-10	2.96E-11	3.80E-10
1613	438409.5	3726036	5.66E-09	1.23E-09	6.88E-09	1.12E-09	1.54E-10	1.27E-09	6.01E-09	7.16E-10	6.72E-09	6.19E-10	5.23E-11	6.71E-10
1614	438396.1	3726043	5.77E-09	1.25E-09	7.02E-09	1.14E-09	1.57E-10	1.30E-09	6.12E-09	7.30E-10	6.85E-09	6.31E-10	5.33E-11	6.84E-10
1615	438382.7	3726050	5.86E-09	1.27E-09	7.14E-09	1.16E-09	1.60E-10	1.32E-09	6.23E-09	7.43E-10	6.97E-09	6.41E-10	5.42E-11	6.96E-10
1616	438369.3	3726057	5.95E-09	1.29E-09	7.25E-09	1.18E-09	1.62E-10	1.34E-09	6.32E-09	7.54E-10	7.08E-09	6.51E-10	5.51E-11	7.06E-10
1617	438355.9	3726064	6.05E-09	1.31E-09	7.36E-09	1.19E-09	1.65E-10	1.36E-09	6.42E-09	7.65E-10	7.19E-09	6.61E-10	5.59E-11	7.17E-10
1618	438342.5	3726070	6.13E-09	1.33E-09	7.47E-09	1.21E-09	1.67E-10	1.38E-09	6.52E-09	7.77E-10	7.29E-09	6.71E-10	5.67E-11	7.28E-10
1619	438329.1	3726077	6.21E-09	1.35E-09	7.55E-09	1.23E-09	1.69E-10	1.39E-09	6.59E-09	7.86E-10	7.38E-09	6.79E-10	5.74E-11	7.36E-10
1620	438315.7	3726084	6.26E-09	1.36E-09	7.63E-09	1.24E-09	1.71E-10	1.41E-09	6.65E-09	7.93E-10	7.45E-09	6.85E-10	5.79E-11	7.43E-10
1621	438302.3	3726091	6.32E-09	1.37E-09	7.69E-09	1.25E-09	1.72E-10	1.42E-09	6.71E-09	8.00E-10	7.51E-09	6.91E-10	5.85E-11	7.50E-10
1622	438288.9	3726098	6.37E-09	1.38E-09	7.75E-09	1.26E-09	1.74E-10	1.43E-09	6.76E-09	8.06E-10	7.57E-09	6.97E-10	5.89E-11	7.56E-10
1623	438275.5	3726105	6.41E-09	1.39E-09	7.80E-09	1.27E-09	1.75E-10	1.44E-09	6.80E-09	8.11E-10	7.61E-09	7.01E-10	5.92E-11	7.60E-10
1624	438262.1	3726111	6.43E-09	1.40E-09	7.83E-09	1.27E-09	1.75E-10	1.45E-09	6.83E-09	8.14E-10	7.65E-09	7.04E-10	5.95E-11	7.63E-10
1625	438248.7	3726118	6.45E-09	1.40E-09	7.85E-09	1.27E-09	1.76E-10	1.45E-09	6.85E-09	8.16E-10	7.66E-09	7.05E-10	5.96E-11	7.65E-10
1626	438235.3	3726125	6.45E-09	1.40E-09	7.85E-09	1.27E-09	1.76E-10	1.45E-09	6.85E-09	8.17E-10	7.67E-09	7.06E-10	5.97E-11	7.66E-10
1627	438128.1	3726180	6.11E-09	1.33E-09	7.44E-09	1.21E-09	1.67E-10	1.37E-09	6.49E-09	7.74E-10	7.27E-09	6.69E-10	5.65E-11	7.25E-10
1628	438114.7	3726187	6.04E-09	1.31E-09	7.35E-09	1.19E-09	1.65E-10	1.36E-09	6.41E-09	7.64E-10	7.18E-09	6.60E-10	5.58E-11	7.16E-10
1629	438101.3	3726193	5.96E-09	1.30E-09	7.26E-09	1.18E-09	1.63E-10	1.34E-09	6.33E-09	7.55E-10	7.09E-09	6.52E-10	5.52E-11	7.08E-10
1630	438087.9	3726200	5.86E-09	1.27E-09	7.14E-09	1.16E-09	1.60E-10	1.32E-09	6.23E-09	7.43E-10	6.97E-09	6.41E-10	5.42E-11	6.96E-10
1631	438074.5	3726207	5.76E-09	1.25E-09	7.01E-09	1.14E-09	1.57E-10	1.30E-09	6.12E-09	7.30E-10	6.85E-09	6.30E-10	5.33E-11	6.84E-10
1632	438061.1	3726214	5.67E-09	1.23E-09	6.91E-09	1.12E-09	1.55E-10	1.28E-09	6.03E-09	7.18E-10	6.75E-09	6.21E-10	5.25E-11	6.73E-10
1633	438047.7	3726221	5.60E-09	1.22E-09	6.81E-09	1.11E-09	1.53E-10	1.26E-09	5.94E-09	7.08E-10	6.65E-09	6.12E-10	5.17E-11	6.64E-10
1634	438034.3	3726227	5.52E-09	1.20E-09	6.72E-09	1.09E-09	1.51E-10	1.24E-09	5.86E-09	6.99E-10	6.56E-09	6.04E-10	5.11E-11	6.55E-10
1635	438020.9	3726234	5.45E-09	1.18E-09	6.63E-09	1.08E-09	1.49E-10	1.22E-09	5.79E-09	6.90E-10	6.47E-09	5.96E-10	5.04E-11	6.46E-10
1636	438007.5	3726241	5.37E-09	1.17E-09	6.54E-09	1.06E-09	1.47E-10	1.21E-09	5.70E-09	6.80E-10	6.38E-09	5.87E-10	4.97E-11	6.37E-10
1637	437994.1	3726248	5.30E-09	1.15E-09	6.45E-09	1.05E-09	1.45E-10	1.19E-09	5.63E-09	6.71E-10	6.30E-09	5.79E-10	4.90E-11	6.28E-10
1638	437980.7	3726255	5.22E-09	1.13E-09	6.35E-09	1.03E-09	1.42E-10	1.17E-09	5.54E-09	6.61E-10	6.20E-09	5.71E-10	4.82E-11	6.19E-10
1639	437967.3	3726262	5.13E-09	1.11E-09	6.24E-09	1.01E-09	1.40E-10	1.15E-09	5.45E-09	6.49E-10	6.10E-09	5.61E-10	4.74E-11	6.08E-10
1640	437953.9	3726268	5.03E-09	1.09E-09	6.13E-09	9.94E-10	1.37E-10	1.13E-09	5.35E-09	6.37E-10	5.98E-09	5.51E-10	4.66E-11	5.97E-10
1641	437940.5	3726275	4.93E-09	1.07E-09	6.00E-09	9.73E-10	1.34E-10	1.11E-09	5.24E-09	6.24E-10	5.86E-09	5.39E-10	4.56E-11	5.85E-10
1642	437927.1	3726282	4.82E-09	1.05E-09	5.86E-09	9.51E-10	1.31E-10	1.08E-09	5.12E-09	6.10E-10	5.73E-09	5.27E-10	4.45E-11	5.71E-10
1643	437913.7	3726289	4.69E-09	1.02E-09	5.71E-09	9.27E-10	1.28E-10	1.06E-09	4.99E-09	5.94E-10	5.58E-09	5.14E-10	4.34E-11	5.57E-10
1644	437873.4	3726309	4.29E-09	9.33E-10	5.23E-09	8.48E-10	1.17E-10	9.65E-10	4.56E-09	5.44E-10	5.11E-09	4.70E-10	3.97E-11	5.10E-10
1645	437860	3726316	4.17E-09	9.06E-10	5.08E-09	8.24E-10	1.14E-10	9.37E-10	4.43E-09	5.28E-10	4.96E-09	4.56E-10	3.86E-11	4.95E-10
1646	437846.6	3726323	4.06E-09	8.81E-10	4.94E-09	8.01E-10	1.11E-10	9.12E-10	4.31E-09	5.14E-10	4.82E-09	4.44E-10	3.75E-11	4.81E-10
1647	437806.4	3726344	3.71E-09	8.05E-10	4.51E-09	7.32E-10	1.01E-10	8.33E-10	3.94E-09	4.69E-10	4.41E-09	4.06E-10	3.43E-11	4.40E-10
1648	437793	3726350	3.60E-09	7.82E-10	4.38E-09	7.11E-10	9.82E-11	8.09E-10	3.82E-09	4.56E-10	4.28E-09	3.94E-10	3.33E-11	4.27E-10
1649	437779.2	3726351	3.53E-09	7.67E-10	4.30E-09	6.97E-10	9.63E-11	7.94E-10	3.75E-09	4.47E-10	4.20E-09	3.86E-10	3.27E-11	4.19E-10
1650	437764.9	3726347	3.49E-09	7.59E-10	4.25E-09	6.90E-10	9.53E-11	7.85E-10	3.71E-09	4.42E-10	4.15E-09	3.82E-10	3.23E-11	4.14E-10
1651	437750.6	3726342	3.46E-09	7.51E-10	4.21E-09	6.83E-10	9.43E-11	7.77E-10	3.67E-09	4.38E-10	4.11E-09	3.78E-10	3.20E-11	4.10E-10
1652	437736.3	3726337	3.42E-09	7.43E-10	4.16E-09	6.75E-10	9.33E-11	7.69E-10	3.63E-09	4.33E-10	4.06E-09	3.74E-10	3.16E-11	4.06E-10
1653	437722	3726333	3.38E-09	7.34E-10	4.11E-09	6.67E-10	9.21E-11	7.59E-10	3.59E-09	4.28E-10	4.01E-09	3.69E-10	3.12E-11	4.01E-10
1654	437707.7	3726328	3.33E-09	7.24E-10	4.05E-09	6.58E-10	9.09E-11	7.49E-10	3.54E-09	4.22E-10	3.96E-09	3.64E-10	3.08E-11	3.95E-10
1655	437693.5	3726323	3.28E-09	7.13E-10	4.00E-09	6.48E-10	8.95E-11	7.38E-10	3.49E-09	4.16E-10	3.90E-09	3.59E-10	3.04E-11	3.89E-10
1656	438421.1	3726027	5.58E-09	1.21E-09	6.79E-09	1.10E-09	1.52E-10	1.25E-09	5.92E-09	7.06E-10	6.63E-09	6.10E-10	5.16E-11	6.62E-10
1657	438431	3726016	5.53E-09	1.20E-09	6.73E-09	1.09E-09	1.51E-10	1.24E-09	5.87E-09	7.00E-10	6.57E-09	6.05E-10	5.11E-11	6.56E-10
1658	437863.2	3726356	3.86E-09	8.39E-10	4.70E-09	7.63E-10	1.05E-10	8.68E-10	4.10E-09	4.89E-10	4.59E-09	4.23E-10	3.57E-11	4.58E-10
1659	437849.8	3726363	3.76E-09	8.16E-10	4.57E-09	7.42E-10	1.02E-10	8.44E-10	3.99E-09	4.76E-10	4.46E-09	4.11E-10	3.47E-11	4.46E-10
1660	437836.4	3726370	3.65E-09	7.94E-10	4.45E-09	7.22E-10	9.97E-11	8.21E-10	3.88E-09	4.63E-10	4.34E-09	4.00E-10	3.38E-11	4.34E-10
1661	437822.9	3726377	3.56E-09	7.73E-10	4.33E-09	7.03E-10	9.71E-11	8.00E-10	3.78E-09	4.50E-10	4.23E-09	3.89E-10	3.29E-11	4.22E-10
1662	437809.5	3726383	3.47E-09	7.53E-10	4.22E-09	6.85E-10	9.46E-11	7.80E-10	3.68E-09	4.39E-10	4.12E-09	3.79E-10	3.21E-11	4.11E-10
1663	437796.1	3726390	3.38E-09	7.35E-10	4.12E-09	6.68E-10	9.23E-11	7.61E-10	3.59E-09	4.29E-10	4.02E-09	3.70E-10	3.13E-11	4.02E-10
1664	437782.3	3726391	3.32E-09	7.22E-10	4.05E-09	6.57E-10	9.07E-11	7.47E-10	3.53E-09	4.21E-10	3.95E-09	3.64E-10	3.07E-11	3.94E-10
1665	437768	3726387	3.29E-09	7.15E-10	4.00E-09	6.50E-10	8.98E-11	7.39E-10	3.49E-09	4.17E-10	3.91E-09	3.60E-10	3.04E-11	3.90E-10
1666	437753.7	3726382	3.24E-09	7.05E-10	3.95E-09	6.41E-10	8.85E-11	7.29E-10	3.45E-09	4.11E-10	3.86E-09	3.55E-10	3.00E-11	3.85E-10
1667	437739.4	3726377	3.20E-09	6.95E-10	3.89E-09	6.32E-10	8.72E-11	7.19E-10	3.40E-09	4.05E-10	3.80E-09	3.50E-10	2.96E-11	3.79E-10
1668	437725.1	3726373	3.15E-09	6.85E-10	3.84E-09	6.22E-10	8.60E-11	7.08E-10	3.35E-09	3.99E-10	3.75E-09	3.45E-10	2.91E-11	3.74E-10

1669	437710.8	3726368	3.11E-09	6.75E-10	3.78E-09	6.13E-10	8.47E-11	6.98E-10	3.30E-09	3.93E-10	3.69E-09	3.40E-10	2.87E-11	3.69E-10
1670	437696.4	3726363	3.06E-09	6.65E-10	3.73E-09	6.05E-10	8.35E-11	6.88E-10	3.25E-09	3.88E-10	3.64E-09	3.35E-10	2.83E-11	3.63E-10
1671	437682.1	3726358	3.02E-09	6.55E-10	3.67E-09	5.95E-10	8.23E-11	6.78E-10	3.20E-09	3.82E-10	3.58E-09	3.30E-10	2.79E-11	3.58E-10
1672	437667.8	3726354	2.98E-09	6.48E-10	3.63E-09	5.90E-10	8.14E-11	6.71E-10	3.17E-09	3.78E-10	3.55E-09	3.27E-10	2.76E-11	3.54E-10
1673	438461.4	3726041	5.16E-09	1.12E-09	6.28E-09	1.02E-09	1.41E-10	1.16E-09	5.48E-09	6.53E-10	6.13E-09	5.64E-10	4.77E-11	6.12E-10
1674	437799.2	3726430	3.19E-09	6.93E-10	3.88E-09	6.30E-10	8.71E-11	7.17E-10	3.39E-09	4.04E-10	3.79E-09	3.49E-10	2.95E-11	3.79E-10
1675	437785.3	3726431	3.15E-09	6.84E-10	3.83E-09	6.22E-10	8.59E-11	7.07E-10	3.34E-09	3.98E-10	3.74E-09	3.44E-10	2.91E-11	3.73E-10
1676	437771	3726427	3.13E-09	6.79E-10	3.80E-09	6.17E-10	8.53E-11	7.03E-10	3.32E-09	3.96E-10	3.72E-09	3.42E-10	2.89E-11	3.71E-10
1677	437756.7	3726422	3.08E-09	6.70E-10	3.75E-09	6.09E-10	8.41E-11	6.93E-10	3.27E-09	3.90E-10	3.66E-09	3.37E-10	2.85E-11	3.66E-10
1678	437742.4	3726417	3.04E-09	6.60E-10	3.70E-09	6.00E-10	8.29E-11	6.83E-10	3.23E-09	3.85E-10	3.61E-09	3.32E-10	2.81E-11	3.60E-10
1679	437728.1	3726412	2.99E-09	6.50E-10	3.64E-09	5.91E-10	8.17E-11	6.73E-10	3.18E-09	3.79E-10	3.56E-09	3.27E-10	2.77E-11	3.55E-10
1680	437713.8	3726408	2.95E-09	6.41E-10	3.59E-09	5.83E-10	8.05E-11	6.63E-10	3.13E-09	3.73E-10	3.51E-09	3.23E-10	2.73E-11	3.50E-10
1681	437699.4	3726403	2.91E-09	6.32E-10	3.54E-09	5.74E-10	7.93E-11	6.54E-10	3.09E-09	3.68E-10	3.46E-09	3.18E-10	2.69E-11	3.45E-10
1682	437685.1	3726398	2.86E-09	6.22E-10	3.49E-09	5.66E-10	7.81E-11	6.44E-10	3.04E-09	3.63E-10	3.41E-09	3.13E-10	2.65E-11	3.40E-10
1683	437670.8	3726394	2.83E-09	6.15E-10	3.44E-09	5.59E-10	7.72E-11	6.36E-10	3.01E-09	3.58E-10	3.36E-09	3.09E-10	2.62E-11	3.36E-10
1684	437656.5	3726389	2.80E-09	6.09E-10	3.41E-09	5.54E-10	7.65E-11	6.30E-10	2.98E-09	3.55E-10	3.33E-09	3.07E-10	2.59E-11	3.33E-10
1685	437642.2	3726384	2.78E-09	6.04E-10	3.38E-09	5.49E-10	7.58E-11	6.25E-10	2.95E-09	3.52E-10	3.30E-09	3.04E-10	2.57E-11	3.30E-10
1686	437627.9	3726380	2.76E-09	5.99E-10	3.36E-09	5.45E-10	7.53E-11	6.20E-10	2.93E-09	3.49E-10	3.28E-09	3.02E-10	2.55E-11	3.27E-10
1687	437912.1	3725196	7.51E-08	1.63E-08	9.14E-08	1.48E-08	2.05E-09	1.69E-08	7.98E-08	9.51E-09	8.93E-08	8.21E-09	6.94E-10	8.91E-09
1688	437925.1	3725181	6.45E-08	1.40E-08	7.85E-08	1.27E-08	1.76E-09	1.45E-08	6.85E-08	8.17E-09	7.67E-08	7.06E-09	5.97E-10	7.65E-09
1689	437944.6	3725158	5.19E-08	1.13E-08	6.32E-08	1.02E-08	1.42E-09	1.17E-08	5.51E-08	6.57E-09	6.17E-08	5.68E-09	4.80E-10	6.16E-09
1690	438044.9	3725105	2.56E-08	5.56E-09	3.12E-08	5.06E-09	6.99E-10	5.76E-09	2.72E-08	3.24E-09	3.04E-08	2.80E-09	2.37E-10	3.04E-09
1691	438051.5	3725118	2.62E-08	5.69E-09	3.19E-08	5.17E-09	7.14E-10	5.88E-09	2.78E-08	3.31E-09	3.11E-08	2.86E-09	2.42E-10	3.11E-09
1692	438058.2	3725131	2.66E-08	5.78E-09	3.24E-08	5.25E-09	7.26E-10	5.98E-09	2.83E-08	3.37E-09	3.16E-08	2.91E-09	2.46E-10	3.16E-09
1693	438064.5	3725082	2.17E-08	4.71E-09	2.64E-08	4.28E-09	5.91E-10	4.87E-09	2.30E-08	2.74E-09	2.58E-08	2.37E-09	2.00E-10	2.57E-09
1694	438071.1	3725095	2.22E-08	4.83E-09	2.70E-08	4.39E-09	6.06E-10	4.99E-09	2.36E-08	2.81E-09	2.64E-08	2.43E-09	2.05E-10	2.64E-09
1695	438077.8	3725108	2.27E-08	4.93E-09	2.76E-08	4.48E-09	6.19E-10	5.10E-09	2.41E-08	2.87E-09	2.70E-08	2.48E-09	2.10E-10	2.69E-09
1696	438084.4	3725121	2.30E-08	5.01E-09	2.81E-08	4.55E-09	6.29E-10	5.18E-09	2.45E-08	2.92E-09	2.74E-08	2.52E-09	2.13E-10	2.73E-09
1697	438117.6	3725186	2.34E-08	5.08E-09	2.85E-08	4.62E-09	6.38E-10	5.26E-09	2.48E-08	2.96E-09	2.78E-08	2.56E-09	2.16E-10	2.77E-09
1698	438124.2	3725199	2.32E-08	5.04E-09	2.82E-08	4.58E-09	6.32E-10	5.21E-09	2.46E-08	2.94E-09	2.76E-08	2.54E-09	2.14E-10	2.75E-09
1699	438084.1	3725059	1.85E-08	4.02E-09	2.25E-08	3.66E-09	5.05E-10	4.16E-09	1.97E-08	2.34E-09	2.20E-08	2.02E-09	1.71E-10	2.20E-09
1700	438090.7	3725072	1.90E-08	4.13E-09	2.31E-08	3.76E-09	5.19E-10	4.27E-09	2.02E-08	2.41E-09	2.26E-08	2.08E-09	1.76E-10	2.26E-09
1701	438097.4	3725085	1.95E-08	4.23E-09	2.37E-08	3.85E-09	5.32E-10	4.38E-09	2.07E-08	2.47E-09	2.32E-08	2.13E-09	1.80E-10	2.31E-09
1702	438104	3725098	1.98E-08	4.31E-09	2.41E-08	3.92E-09	5.41E-10	4.46E-09	2.11E-08	2.51E-09	2.36E-08	2.17E-09	1.83E-10	2.35E-09
1703	438130.7	3725151	2.05E-08	4.45E-09	2.49E-08	4.04E-09	5.59E-10	4.60E-09	2.17E-08	2.59E-09	2.43E-08	2.24E-09	1.89E-10	2.43E-09
1704	438137.3	3725164	2.05E-08	4.45E-09	2.49E-08	4.04E-09	5.59E-10	4.60E-09	2.17E-08	2.59E-09	2.43E-08	2.24E-09	1.89E-10	2.43E-09
1705	438144	3725177	2.04E-08	4.43E-09	2.48E-08	4.03E-09	5.57E-10	4.59E-09	2.17E-08	2.58E-09	2.43E-08	2.23E-09	1.89E-10	2.42E-09
1706	438150.6	3725190	2.02E-08	4.39E-09	2.46E-08	3.99E-09	5.51E-10	4.54E-09	2.15E-08	2.56E-09	2.40E-08	2.21E-09	1.87E-10	2.40E-09
1707	438157.3	3725203	1.99E-08	4.33E-09	2.43E-08	3.94E-09	5.44E-10	4.48E-09	2.12E-08	2.52E-09	2.37E-08	2.18E-09	1.84E-10	2.37E-09
1708	438163.9	3725216	1.96E-08	4.25E-09	2.38E-08	3.87E-09	5.34E-10	4.40E-09	2.08E-08	2.48E-09	2.33E-08	2.14E-09	1.81E-10	2.32E-09
1709	438117	3725063	1.68E-08	3.65E-09	2.05E-08	3.32E-09	4.58E-10	3.78E-09	1.78E-08	2.13E-09	2.00E-08	1.84E-09	1.55E-10	1.99E-09
1710	438123.7	3725076	1.72E-08	3.73E-09	2.09E-08	3.39E-09	4.68E-10	3.86E-09	1.82E-08	2.17E-09	2.04E-08	1.88E-09	1.59E-10	2.03E-09
1711	438150.3	3725128	1.79E-08	3.89E-09	2.18E-08	3.54E-09	4.89E-10	4.03E-09	1.90E-08	2.27E-09	2.13E-08	1.96E-09	1.66E-10	2.13E-09
1712	438157	3725141	1.79E-08	3.89E-09	2.18E-08	3.54E-09	4.89E-10	4.03E-09	1.90E-08	2.27E-09	2.13E-08	1.96E-09	1.66E-10	2.13E-09
1713	438163.7	3725155	1.79E-08	3.89E-09	2.18E-08	3.54E-09	4.89E-10	4.03E-09	1.90E-08	2.27E-09	2.13E-08	1.96E-09	1.66E-10	2.13E-09
1714	438170.3	3725168	1.79E-08	3.88E-09	2.17E-08	3.53E-09	4.87E-10	4.02E-09	1.90E-08	2.26E-09	2.12E-08	1.95E-09	1.65E-10	2.12E-09
1715	438177	3725181	1.77E-08	3.85E-09	2.16E-08	3.50E-09	4.84E-10	3.98E-09	1.88E-08	2.24E-09	2.11E-08	1.94E-09	1.64E-10	2.10E-09
1716	438183.7	3725194	1.75E-08	3.81E-09	2.13E-08	3.46E-09	4.78E-10	3.94E-09	1.86E-08	2.22E-09	2.08E-08	1.92E-09	1.62E-10	2.08E-09
1717	438190.3	3725207	1.73E-08	3.75E-09	2.10E-08	3.41E-09	4.71E-10	3.88E-09	1.83E-08	2.19E-09	2.05E-08	1.89E-09	1.60E-10	2.05E-09
1718	438190	3725145	1.59E-08	3.45E-09	1.93E-08	3.14E-09	4.34E-10	3.57E-09	1.69E-08	2.01E-09	1.89E-08	1.74E-09	1.47E-10	1.89E-09
1719	438196.7	3725158	1.58E-08	3.43E-09	1.92E-08	3.12E-09	4.31E-10	3.55E-09	1.68E-08	2.00E-09	1.88E-08	1.73E-09	1.46E-10	1.87E-09
1720	438203.4	3725172	1.56E-08	3.39E-09	1.90E-08	3.09E-09	4.26E-10	3.51E-09	1.66E-08	1.98E-09	1.86E-08	1.71E-09	1.45E-10	1.85E-09
1721	438210.1	3725185	1.54E-08	3.35E-09	1.88E-08	3.05E-09	4.21E-10	3.47E-09	1.64E-08	1.95E-09	1.83E-08	1.69E-09	1.43E-10	1.83E-09
1722	438243.5	3725251	1.41E-08	3.07E-09	1.72E-08	2.79E-09	3.85E-10	3.18E-09	1.50E-08	1.79E-09	1.68E-08	1.55E-09	1.31E-10	1.68E-09
1723	438250.1	3725264	1.38E-08	3.00E-09	1.68E-08	2.73E-09	3.77E-10	3.11E-09	1.47E-08	1.75E-09	1.64E-08	1.51E-09	1.28E-10	1.64E-09
1724	438261	3725224	1.30E-08	2.82E-09	1.58E-08	2.56E-09	3.54E-10	2.92E-09	1.38E-08	1.64E-09	1.54E-08	1.42E-09	1.20E-10	1.54E-09
1725	438267.6	3725237	1.27E-08	2.76E-09	1.55E-08	2.51E-09	3.47E-10	2.86E-09	1.35E-08	1.61E-09	1.51E-08	1.39E-09	1.18E-10	1.51E-09
1726	438274.2	3725250	1.25E-08	2.71E-09	1.52E-08	2.46E-09	3.40E-10	2.80E-09	1.32E-08	1.58E-09	1.48E-08	1.36E-09	1.15E-10	1.48E-09
1727	438280.8	3725263	1.22E-08	2.66E-09	1.49E-08	2.42E-09	3.34E-10	2.75E-09	1.30E-08	1.55E-09	1.45E-08	1.34E-09	1.13E-10	1.45E-09
1728	438287.4	3725276	1.20E-08	2.60E-09	1.46E-08	2.36E-09	3.26E-10	2.69E-09	1.27E-08	1.51E-09	1.42E-08	1.31E-09	1.11E-10	1.42E-09
1729	438294	3725289	1.17E-08	2.55E-09	1.43E-08	2.32E-09	3.20E-10	2.63E-09	1.25E-08	1.48E-09	1.39E-08	1.28E-09	1.08E-10	1.39E-09
1730	438155.4	3724934	8.75E-09	1.90E-09	1.06E-08	1.73E-09	2.39E-10	1.97E-09	9.29E-09	1.11E-09	1.04E-08	9.57E-10	8.09E-11	1.04E-09
1731	438175.2	3724973	1.01E-08	2.19E-09	1.23E-08	2.00E-09	2.76E-10	2.27E-09	1.07E-08	1.28E-09	1.20E-08	1.10E-09	9.34E-11	1.20E-09
1732	438181.8	3724986	1.06E-08	2.30E-09	1.29E-08	2.09E-09	2.88E-10	2.38E-09	1.12E-08	1.34E-09	1.26E-08	1.16E-09	9.77E-11	1.25E-09
1733	438188.4	3724999	1.10E-08	2.39E-09	1.34E-08	2.17E-09	3.00E-10	2.47E-09	1.17E-08	1.39E-09	1.31E-08	1.20E-09	1.02E-10	1.30E-09
1734	438195	3725012	1.13E-08	2.45E-09	1.37E-08	2.23E-09	3.08E-10	2.53E-09	1.20E-08	1.43E-09	1.34E-08	1.23E-09	1.04E-10	1.34E-09
1735	438201.6	3725025	1.15E-08	2.50E-09	1.40E-08	2.28E-09	3.14E-10	2.59E-09	1.22E-08	1.46E-09	1.37E-08	1.26E-09	1.07E-10	1.37E-09
1736	438208.2	3725038	1.17E-08	2.55E-09	1.43E-08	2.32E-09	3.20E-10	2.64E-09	1.25E-08	1.49E-09	1.39E-08	1.28E-09	1.09E-10	1.39E-09
1737	438214.9	3725051	1.19E-08	2.58E-09	1.45E-08	2.35E-09	3.24E-10	2.67E-09	1.26E-08	1.51E-09	1.41E-08	1.30E-09	1.10E-10	1.41E-09
1738	438307.3	3725233	1.08E-08	2.34E-09	1.31E-08	2.13E-09	2.94E-10	2.42E-09	1.14E-08	1.36E-09	1.28E-08	1.18E-09	9.96E-11	1.28E-09
1739	438313.9	3725246	1.06E-08	2.29E-09	1.29E-08	2.09E-09	2.88E-10	2.37E-09	1.12E-08	1.34E-09	1.26E-08	1.16E-09	9.77E-11	1.25E-09
1740	438360.2	3725337	9.33E-09	2.03E-09	1.14E-08	1.84E-09	2.54E-10	2.10E-09	9.91E-09	1.18E-09	1.11E-08	1.02E-09	8.63E-11	1.11E-09
1741	438366.8	3725350	9.17E-09	1.99E-09	1.12E-08	1.81E-09	2.50E-10	2.06E-09	9.74E-09	1.16E-09	1.09E-08	1.00E-09	8.48E-11	1.09E-09
1742	438146.5	3724923	8.53E-09	1.85E-09	1.04E-08	1.68E-09	2.33E-10	1.92E-09	9.06E-09	1.08E-09	1.01E-08	9.33E-10	7.89E-11	1.01E-09
1743	438221.2	3724982	9.45E-09	2.05E-09	1.15E-08	1.87E-09	2.58E-10	2.12E-09	1.00E-08	1.20E-09	1.12E-08	1.03E-09	8.74E-11	1.12E-09
1744	438227.8	3724995	9.77E-09	2.12E-09	1.19E-08	1.93E-09	2.67E-10	2.20E-09	1.04E-08	1.24E-09	1.16E-08	1.07E-09	9.04E-11	1.16E-09

1745	438234.4	3725008	9.97E-09	2.17E-09	1.21E-08	1.97E-09	2.72E-10	2.24E-09	1.06E-08	1.26E-09	1.18E-08	1.09E-09	9.22E-11	1.18E-09
1746	438241.1	3725021	1.02E-08	2.21E-09	1.24E-08	2.01E-09	2.77E-10	2.28E-09	1.08E-08	1.29E-09	1.21E-08	1.11E-09	9.39E-11	1.20E-09
1747	438247.7	3725034	1.03E-08	2.24E-09	1.26E-08	2.04E-09	2.81E-10	2.32E-09	1.10E-08	1.31E-09	1.23E-08	1.13E-09	9.54E-11	1.22E-09
1748	438254.3	3725047	1.04E-08	2.27E-09	1.27E-08	2.06E-09	2.85E-10	2.35E-09	1.11E-08	1.32E-09	1.24E-08	1.14E-09	9.65E-11	1.24E-09
1749	438260.9	3725060	1.06E-08	2.29E-09	1.29E-08	2.09E-09	2.88E-10	2.37E-09	1.12E-08	1.34E-09	1.26E-08	1.16E-09	9.77E-11	1.25E-09
1750	438280.8	3725099	1.07E-08	2.33E-09	1.30E-08	2.12E-09	2.92E-10	2.41E-09	1.14E-08	1.36E-09	1.27E-08	1.17E-09	9.91E-11	1.27E-09
1751	438287.4	3725113	1.07E-08	2.32E-09	1.30E-08	2.11E-09	2.92E-10	2.40E-09	1.14E-08	1.35E-09	1.27E-08	1.17E-09	9.89E-11	1.27E-09
1752	438294	3725126	1.06E-08	2.31E-09	1.29E-08	2.10E-09	2.90E-10	2.39E-09	1.13E-08	1.34E-09	1.26E-08	1.16E-09	9.82E-11	1.26E-09
1753	438386.7	3725308	8.32E-09	1.81E-09	1.01E-08	1.64E-09	2.27E-10	1.87E-09	8.84E-09	1.05E-09	9.89E-09	9.10E-10	7.69E-11	9.87E-10
1754	438393.4	3725321	8.24E-09	1.79E-09	1.00E-08	1.63E-09	2.25E-10	1.85E-09	8.76E-09	1.04E-09	9.80E-09	9.02E-10	7.62E-11	9.78E-10
1755	438400	3725334	8.14E-09	1.77E-09	9.91E-09	1.61E-09	2.22E-10	1.83E-09	8.65E-09	1.03E-09	9.68E-09	8.91E-10	7.53E-11	9.66E-10
1756	438406.6	3725347	8.01E-09	1.74E-09	9.75E-09	1.58E-09	2.19E-10	1.80E-09	8.51E-09	1.01E-09	9.52E-09	8.76E-10	7.41E-11	9.51E-10
1757	438411	3725367	7.92E-09	1.72E-09	9.65E-09	1.57E-09	2.16E-10	1.78E-09	8.42E-09	1.00E-09	9.42E-09	8.67E-10	7.33E-11	9.40E-10
1758	438406.5	3725381	8.04E-09	1.75E-09	9.79E-09	1.59E-09	2.19E-10	1.81E-09	8.54E-09	1.02E-09	9.56E-09	8.80E-10	7.44E-11	9.54E-10
1759	438172.6	3724893	7.27E-09	1.58E-09	8.84E-09	1.44E-09	1.98E-10	1.63E-09	7.72E-09	9.20E-10	8.64E-09	7.95E-10	6.72E-11	8.62E-10
1760	438267.3	3724991	8.55E-09	1.86E-09	1.04E-08	1.69E-09	2.33E-10	1.92E-09	9.08E-09	1.08E-09	1.02E-08	9.35E-10	7.91E-11	1.01E-09
1761	438273.9	3725004	8.74E-09	1.90E-09	1.06E-08	1.73E-09	2.38E-10	1.96E-09	9.28E-09	1.11E-09	1.04E-08	9.56E-10	8.08E-11	1.04E-09
1762	438280.5	3725017	8.90E-09	1.93E-09	1.08E-08	1.76E-09	2.43E-10	2.00E-09	9.45E-09	1.13E-09	1.06E-08	9.73E-10	8.23E-11	1.06E-09
1763	438287.2	3725030	9.06E-09	1.97E-09	1.10E-08	1.79E-09	2.47E-10	2.04E-09	9.63E-09	1.15E-09	1.08E-08	9.91E-10	8.38E-11	1.08E-09
1764	438293.8	3725043	9.21E-09	2.00E-09	1.12E-08	1.82E-09	2.51E-10	2.07E-09	9.78E-09	1.17E-09	1.09E-08	1.01E-09	8.52E-11	1.09E-09
1765	438307.1	3725070	9.39E-09	2.04E-09	1.14E-08	1.85E-09	2.56E-10	2.11E-09	9.97E-09	1.19E-09	1.12E-08	1.03E-09	8.68E-11	1.11E-09
1766	438313.7	3725083	9.41E-09	2.05E-09	1.15E-08	1.86E-09	2.57E-10	2.12E-09	1.00E-08	1.19E-09	1.12E-08	1.03E-09	8.71E-11	1.12E-09
1767	438320.4	3725096	9.40E-09	2.04E-09	1.14E-08	1.86E-09	2.56E-10	2.11E-09	9.98E-09	1.19E-09	1.12E-08	1.03E-09	8.69E-11	1.12E-09
1768	438327	3725109	9.35E-09	2.03E-09	1.14E-08	1.85E-09	2.55E-10	2.10E-09	9.93E-09	1.18E-09	1.11E-08	1.02E-09	8.65E-11	1.11E-09
1769	438333.6	3725122	9.27E-09	2.01E-09	1.13E-08	1.83E-09	2.53E-10	2.08E-09	9.85E-09	1.17E-09	1.10E-08	1.01E-09	8.58E-11	1.10E-09
1770	438340.3	3725135	9.18E-09	1.99E-09	1.12E-08	1.81E-09	2.50E-10	2.06E-09	9.75E-09	1.16E-09	1.09E-08	1.00E-09	8.49E-11	1.09E-09
1771	438346.9	3725148	9.08E-09	1.97E-09	1.10E-08	1.79E-09	2.48E-10	2.04E-09	9.64E-09	1.15E-09	1.08E-08	9.93E-10	8.39E-11	1.08E-09
1772	438353.6	3725161	8.95E-09	1.94E-09	1.09E-08	1.77E-09	2.44E-10	2.01E-09	9.50E-09	1.13E-09	1.06E-08	9.79E-10	8.27E-11	1.06E-09
1773	438360.2	3725174	8.81E-09	1.91E-09	1.07E-08	1.74E-09	2.40E-10	1.98E-09	9.35E-09	1.12E-09	1.05E-08	9.63E-10	8.14E-11	1.04E-09
1774	438366.8	3725187	8.66E-09	1.88E-09	1.05E-08	1.71E-09	2.36E-10	1.95E-09	9.20E-09	1.10E-09	1.03E-08	9.47E-10	8.01E-11	1.03E-09
1775	438450.9	3725364	7.01E-09	1.52E-09	8.54E-09	1.39E-09	1.91E-10	1.58E-09	7.45E-09	8.88E-10	8.34E-09	7.67E-10	6.49E-11	8.32E-10
1776	438446.3	3725378	7.11E-09	1.54E-09	8.65E-09	1.40E-09	1.94E-10	1.60E-09	7.55E-09	9.00E-10	8.45E-09	7.77E-10	6.57E-11	8.43E-10
1777	438441.8	3725392	7.19E-09	1.56E-09	8.76E-09	1.42E-09	1.96E-10	1.62E-09	7.64E-09	9.11E-10	8.55E-09	7.87E-10	6.65E-11	8.53E-10
1778	438437.3	3725406	7.27E-09	1.58E-09	8.85E-09	1.44E-09	1.98E-10	1.63E-09	7.72E-09	9.20E-10	8.64E-09	7.95E-10	6.72E-11	8.62E-10
1779	438432.8	3725420	7.35E-09	1.60E-09	8.95E-09	1.45E-09	2.01E-10	1.65E-09	7.81E-09	9.31E-10	8.74E-09	8.04E-10	6.80E-11	8.72E-10
1780	438340	3725053	8.28E-09	1.80E-09	1.01E-08	1.63E-09	2.26E-10	1.86E-09	8.79E-09	1.05E-09	9.84E-09	9.05E-10	7.65E-11	9.82E-10
1781	438346.7	3725066	8.30E-09	1.80E-09	1.01E-08	1.64E-09	2.27E-10	1.87E-09	8.82E-09	1.05E-09	9.87E-09	9.08E-10	7.68E-11	9.85E-10
1782	438353.3	3725079	8.31E-09	1.80E-09	1.01E-08	1.64E-09	2.27E-10	1.87E-09	8.82E-09	1.05E-09	9.88E-09	9.09E-10	7.68E-11	9.86E-10
1783	438360	3725092	8.28E-09	1.80E-09	1.01E-08	1.64E-09	2.26E-10	1.86E-09	8.80E-09	1.05E-09	9.85E-09	9.06E-10	7.66E-11	9.83E-10
1784	438366.6	3725105	8.24E-09	1.79E-09	1.00E-08	1.63E-09	2.25E-10	1.85E-09	8.75E-09	1.04E-09	9.80E-09	9.01E-10	7.62E-11	9.78E-10
1785	438373.3	3725118	8.18E-09	1.78E-09	9.96E-09	1.62E-09	2.23E-10	1.84E-09	8.69E-09	1.04E-09	9.73E-09	8.95E-10	7.57E-11	9.71E-10
1786	438379.9	3725131	8.10E-09	1.76E-09	9.86E-09	1.60E-09	2.21E-10	1.82E-09	8.61E-09	1.03E-09	9.63E-09	8.87E-10	7.50E-11	9.61E-10
1787	438386.6	3725144	8.02E-09	1.74E-09	9.76E-09	1.58E-09	2.19E-10	1.80E-09	8.52E-09	1.02E-09	9.54E-09	8.78E-10	7.42E-11	9.52E-10
1788	438393.2	3725158	7.91E-09	1.72E-09	9.63E-09	1.56E-09	2.16E-10	1.78E-09	8.40E-09	1.00E-09	9.41E-09	8.65E-10	7.32E-11	9.39E-10
1789	438399.9	3725171	7.79E-09	1.69E-09	9.48E-09	1.54E-09	2.13E-10	1.75E-09	8.28E-09	9.87E-10	9.26E-09	8.52E-10	7.21E-11	9.24E-10
1790	438406.5	3725184	7.67E-09	1.67E-09	9.33E-09	1.51E-09	2.09E-10	1.72E-09	8.14E-09	9.71E-10	9.11E-09	8.39E-10	7.09E-11	9.10E-10
1791	438413.2	3725197	7.54E-09	1.64E-09	9.17E-09	1.49E-09	2.06E-10	1.69E-09	8.00E-09	9.54E-10	8.96E-09	8.24E-10	6.97E-11	8.94E-10
1792	438419.8	3725210	7.40E-09	1.61E-09	9.01E-09	1.46E-09	2.02E-10	1.66E-09	7.86E-09	9.37E-10	8.80E-09	8.09E-10	6.84E-11	8.78E-10
1793	438426.5	3725223	7.26E-09	1.58E-09	8.84E-09	1.43E-09	1.98E-10	1.63E-09	7.71E-09	9.20E-10	8.63E-09	7.94E-10	6.72E-11	8.62E-10
1794	438433.1	3725236	7.13E-09	1.55E-09	8.68E-09	1.41E-09	1.94E-10	1.60E-09	7.57E-09	9.02E-10	8.47E-09	7.80E-10	6.59E-11	8.46E-10
1795	438439.8	3725249	6.97E-09	1.51E-09	8.48E-09	1.38E-09	1.90E-10	1.57E-09	7.40E-09	8.82E-10	8.28E-09	7.62E-10	6.45E-11	8.27E-10
1796	438446.4	3725262	6.80E-09	1.48E-09	8.28E-09	1.34E-09	1.86E-10	1.53E-09	7.23E-09	8.61E-10	8.09E-09	7.44E-10	6.29E-11	8.07E-10
1797	438477.1	3725403	6.48E-09	1.41E-09	7.89E-09	1.28E-09	1.77E-10	1.46E-09	6.89E-09	8.21E-10	7.71E-09	7.09E-10	6.00E-11	7.69E-10
1798	438472.6	3725417	6.54E-09	1.42E-09	7.96E-09	1.29E-09	1.79E-10	1.47E-09	6.95E-09	8.29E-10	7.78E-09	7.16E-10	6.05E-11	7.76E-10
1799	438468.1	3725431	6.60E-09	1.43E-09	8.04E-09	1.30E-09	1.80E-10	1.48E-09	7.01E-09	8.36E-10	7.85E-09	7.22E-10	6.11E-11	7.83E-10
1800	438463.5	3725445	6.66E-09	1.45E-09	8.10E-09	1.31E-09	1.82E-10	1.50E-09	7.07E-09	8.43E-10	7.91E-09	7.28E-10	6.16E-11	7.90E-10
1801	438379.6	3725049	7.36E-09	1.60E-09	8.96E-09	1.45E-09	2.01E-10	1.66E-09	7.82E-09	9.32E-10	8.75E-09	8.05E-10	6.81E-11	8.74E-10
1802	438386.3	3725062	7.37E-09	1.60E-09	8.98E-09	1.46E-09	2.01E-10	1.66E-09	7.83E-09	9.34E-10	8.77E-09	8.07E-10	6.82E-11	8.75E-10
1803	438392.9	3725075	7.36E-09	1.60E-09	8.96E-09	1.45E-09	2.01E-10	1.66E-09	7.82E-09	9.32E-10	8.75E-09	8.05E-10	6.81E-11	8.74E-10
1804	438399.6	3725088	7.33E-09	1.59E-09	8.93E-09	1.45E-09	2.00E-10	1.65E-09	7.79E-09	9.29E-10	8.72E-09	8.02E-10	6.78E-11	8.70E-10
1805	438406.3	3725102	7.30E-09	1.59E-09	8.88E-09	1.44E-09	1.99E-10	1.64E-09	7.75E-09	9.24E-10	8.68E-09	7.98E-10	6.75E-11	8.66E-10
1806	438412.9	3725115	7.25E-09	1.58E-09	8.83E-09	1.43E-09	1.98E-10	1.63E-09	7.71E-09	9.19E-10	8.62E-09	7.94E-10	6.71E-11	8.61E-10
1807	438419.6	3725128	7.19E-09	1.56E-09	8.75E-09	1.42E-09	1.96E-10	1.62E-09	7.64E-09	9.10E-10	8.55E-09	7.87E-10	6.65E-11	8.53E-10
1808	438426.2	3725141	7.11E-09	1.55E-09	8.66E-09	1.40E-09	1.94E-10	1.60E-09	7.55E-09	9.01E-10	8.46E-09	7.78E-10	6.58E-11	8.44E-10
1809	438432.9	3725154	7.03E-09	1.53E-09	8.55E-09	1.39E-09	1.92E-10	1.58E-09	7.46E-09	8.90E-10	8.35E-09	7.69E-10	6.50E-11	8.33E-10
1810	438439.6	3725167	6.94E-09	1.51E-09	8.44E-09	1.37E-09	1.89E-10	1.56E-09	7.37E-09	8.78E-10	8.24E-09	7.59E-10	6.41E-11	8.23E-10
1811	438446.2	3725180	6.84E-09	1.49E-09	8.32E-09	1.35E-09	1.87E-10	1.54E-09	7.26E-09	8.66E-10	8.13E-09	7.48E-10	6.32E-11	8.11E-10
1812	438452.9	3725193	6.72E-09	1.46E-09	8.19E-09	1.33E-09	1.83E-10	1.51E-09	7.14E-09	8.51E-10	7.99E-09	7.36E-10	6.22E-11	7.98E-10
1813	438459.6	3725207	6.61E-09	1.44E-09	8.05E-09	1.31E-09	1.80E-10	1.49E-09	7.02E-09	8.37E-10	7.86E-09	7.23E-10	6.11E-11	7.84E-10
1814	438466.2	3725220	6.50E-09	1.41E-09	7.91E-09	1.28E-09	1.77E-10	1.46E-09	6.90E-09	8.23E-10	7.73E-09	7.11E-10	6.01E-11	7.71E-10
1815	438472.9	3725233	6.36E-09	1.38E-09	7.74E-09	1.26E-09	1.74E-10	1.43E-09	6.76E-09	8.06E-10	7.56E-09	6.96E-10	5.88E-11	7.55E-10
1816	438479.6	3725246	6.21E-09	1.35E-09	7.56E-09	1.23E-09	1.69E-10	1.40E-09	6.60E-09	7.86E-10	7.38E-09	6.79E-10	5.74E-11	7.37E-10
1817	438486.2	3725259	6.06E-09	1.32E-09	7.37E-09	1.20E-09	1.65E-10	1.36E-09	6.43E-09	7.67E-10	7.20E-09	6.63E-10	5.60E-11	7.19E-10
1818	438492.9	3725272	5.94E-09	1.29E-09	7.23E-09	1.17E-09	1.62E-10	1.34E-09	6.31E-09	7.52E-10	7.06E-09	6.50E-10	5.50E-11	7.05E-10
1819	438499.5	3725285	5.86E-09	1.27E-09	7.13E-09	1.16E-09	1.60E-10	1.32E-09	6.22E-09	7.41E-10	6.96E-09	6.41E-10	5.42E-11	6.95E-10
1820	438506.2	3725298	5.76E-09	1.25E-09	7.02E-09	1.14E-09	1.57E-10	1.30E-09	6.12E-09	7.30E-10	6.85E-09	6.31E-10	5.33E-11	6.84E-10

1821	438512.9	3725312	5.69E-09	1.24E-09	6.93E-09	1.12E-09	1.55E-10	1.28E-09	6.05E-09	7.21E-10	6.77E-09	6.23E-10	5.26E-11	6.75E-10
1822	438519.5	3725325	5.60E-09	1.22E-09	6.81E-09	1.11E-09	1.53E-10	1.26E-09	5.95E-09	7.09E-10	6.65E-09	6.12E-10	5.18E-11	6.64E-10
1823	438526.2	3725338	5.54E-09	1.20E-09	6.74E-09	1.09E-09	1.51E-10	1.25E-09	5.88E-09	7.01E-10	6.58E-09	6.06E-10	5.12E-11	6.57E-10
1824	438507.9	3725428	5.91E-09	1.29E-09	7.20E-09	1.17E-09	1.61E-10	1.33E-09	6.28E-09	7.49E-10	7.03E-09	6.47E-10	5.47E-11	7.02E-10
1825	438503.4	3725442	5.98E-09	1.30E-09	7.27E-09	1.18E-09	1.63E-10	1.34E-09	6.35E-09	7.57E-10	7.10E-09	6.54E-10	5.53E-11	7.09E-10
1826	438498.8	3725456	6.03E-09	1.31E-09	7.34E-09	1.19E-09	1.65E-10	1.36E-09	6.41E-09	7.64E-10	7.17E-09	6.60E-10	5.58E-11	7.16E-10
1827	438494.3	3725470	6.08E-09	1.32E-09	7.41E-09	1.20E-09	1.66E-10	1.37E-09	6.46E-09	7.70E-10	7.23E-09	6.66E-10	5.63E-11	7.22E-10
1828	438412.5	3725032	6.59E-09	1.43E-09	8.02E-09	1.30E-09	1.80E-10	1.48E-09	7.00E-09	8.34E-10	7.83E-09	7.21E-10	6.09E-11	7.81E-10
1829	438419.2	3725045	6.61E-09	1.44E-09	8.04E-09	1.30E-09	1.80E-10	1.49E-09	7.02E-09	8.37E-10	7.85E-09	7.23E-10	6.11E-11	7.84E-10
1830	438425.9	3725059	6.62E-09	1.44E-09	8.05E-09	1.31E-09	1.81E-10	1.49E-09	7.03E-09	8.38E-10	7.87E-09	7.24E-10	6.12E-11	7.85E-10
1831	438432.6	3725072	6.60E-09	1.43E-09	8.03E-09	1.30E-09	1.80E-10	1.48E-09	7.01E-09	8.35E-10	7.84E-09	7.22E-10	6.10E-11	7.83E-10
1832	438439.2	3725085	6.57E-09	1.43E-09	7.99E-09	1.30E-09	1.79E-10	1.48E-09	6.97E-09	8.31E-10	7.80E-09	7.18E-10	6.07E-11	7.79E-10
1833	438445.9	3725098	6.53E-09	1.42E-09	7.94E-09	1.29E-09	1.78E-10	1.47E-09	6.93E-09	8.26E-10	7.76E-09	7.14E-10	6.03E-11	7.74E-10
1834	438452.6	3725111	6.48E-09	1.41E-09	7.88E-09	1.28E-09	1.77E-10	1.46E-09	6.88E-09	8.20E-10	7.70E-09	7.09E-10	5.99E-11	7.68E-10
1835	438459.3	3725124	6.42E-09	1.40E-09	7.82E-09	1.27E-09	1.75E-10	1.44E-09	6.82E-09	8.13E-10	7.63E-09	7.02E-10	5.94E-11	7.62E-10
1836	438465.9	3725137	6.36E-09	1.38E-09	7.74E-09	1.26E-09	1.74E-10	1.43E-09	6.76E-09	8.05E-10	7.56E-09	6.96E-10	5.88E-11	7.55E-10
1837	438472.6	3725151	6.30E-09	1.37E-09	7.67E-09	1.24E-09	1.72E-10	1.42E-09	6.69E-09	7.98E-10	7.49E-09	6.89E-10	5.83E-11	7.47E-10
1838	438479.3	3725164	6.22E-09	1.35E-09	7.57E-09	1.23E-09	1.70E-10	1.40E-09	6.61E-09	7.88E-10	7.39E-09	6.80E-10	5.75E-11	7.38E-10
1839	438486	3725177	6.14E-09	1.33E-09	7.47E-09	1.21E-09	1.67E-10	1.38E-09	6.52E-09	7.77E-10	7.30E-09	6.71E-10	5.68E-11	7.28E-10
1840	438492.6	3725190	6.07E-09	1.32E-09	7.39E-09	1.20E-09	1.66E-10	1.37E-09	6.45E-09	7.69E-10	7.22E-09	6.64E-10	5.62E-11	7.21E-10
1841	438499.3	3725203	6.01E-09	1.31E-09	7.32E-09	1.19E-09	1.64E-10	1.35E-09	6.38E-09	7.61E-10	7.14E-09	6.57E-10	5.56E-11	7.13E-10
1842	438506	3725216	5.89E-09	1.28E-09	7.16E-09	1.16E-09	1.61E-10	1.32E-09	6.25E-09	7.45E-10	7.00E-09	6.44E-10	5.44E-11	6.98E-10
1843	438512.7	3725229	5.75E-09	1.25E-09	7.00E-09	1.14E-09	1.57E-10	1.29E-09	6.11E-09	7.28E-10	6.84E-09	6.29E-10	5.32E-11	6.83E-10
1844	438519.3	3725243	5.63E-09	1.22E-09	6.86E-09	1.11E-09	1.54E-10	1.27E-09	5.98E-09	7.13E-10	6.70E-09	6.16E-10	5.21E-11	6.68E-10
1845	438526	3725256	5.53E-09	1.20E-09	6.73E-09	1.09E-09	1.51E-10	1.24E-09	5.87E-09	7.00E-10	6.57E-09	6.05E-10	5.11E-11	6.56E-10
1846	438532.7	3725269	5.42E-09	1.18E-09	6.60E-09	1.07E-09	1.48E-10	1.22E-09	5.76E-09	6.86E-10	6.44E-09	5.93E-10	5.01E-11	6.43E-10
1847	438539.4	3725282	5.30E-09	1.15E-09	6.45E-09	1.05E-09	1.45E-10	1.19E-09	5.63E-09	6.71E-10	6.30E-09	5.80E-10	4.90E-11	6.29E-10
1848	438546	3725295	5.17E-09	1.12E-09	6.30E-09	1.02E-09	1.41E-10	1.16E-09	5.50E-09	6.55E-10	6.15E-09	5.66E-10	4.79E-11	6.14E-10
1849	438552.7	3725308	5.10E-09	1.11E-09	6.21E-09	1.01E-09	1.39E-10	1.15E-09	5.42E-09	6.46E-10	6.06E-09	5.58E-10	4.72E-11	6.05E-10
1850	438559.4	3725322	5.03E-09	1.09E-09	6.12E-09	9.94E-10	1.37E-10	1.13E-09	5.34E-09	6.37E-10	5.98E-09	5.50E-10	4.65E-11	5.97E-10
1851	438566.1	3725335	4.97E-09	1.08E-09	6.05E-09	9.81E-10	1.36E-10	1.12E-09	5.28E-09	6.29E-10	5.90E-09	5.43E-10	4.59E-11	5.89E-10
1852	438570.5	3725355	4.95E-09	1.07E-09	6.02E-09	9.77E-10	1.35E-10	1.11E-09	5.25E-09	6.26E-10	5.88E-09	5.41E-10	4.57E-11	5.87E-10
1853	438565.9	3725369	5.04E-09	1.09E-09	6.13E-09	9.95E-10	1.37E-10	1.13E-09	5.35E-09	6.38E-10	5.99E-09	5.51E-10	4.66E-11	5.98E-10
1854	438561.4	3725383	5.13E-09	1.12E-09	6.25E-09	1.01E-09	1.40E-10	1.15E-09	5.45E-09	6.50E-10	6.10E-09	5.61E-10	4.75E-11	6.09E-10
1855	438534.1	3725467	5.50E-09	1.19E-09	6.69E-09	1.09E-09	1.50E-10	1.24E-09	5.84E-09	6.96E-10	6.53E-09	6.01E-10	5.08E-11	6.52E-10
1856	438529.6	3725481	5.55E-09	1.21E-09	6.75E-09	1.10E-09	1.51E-10	1.25E-09	5.89E-09	7.02E-10	6.59E-09	6.07E-10	5.13E-11	6.58E-10
1857	438525	3725495	5.60E-09	1.22E-09	6.82E-09	1.11E-09	1.53E-10	1.26E-09	5.95E-09	7.09E-10	6.66E-09	6.13E-10	5.18E-11	6.65E-10
1858	438520.5	3725509	5.66E-09	1.23E-09	6.89E-09	1.12E-09	1.54E-10	1.27E-09	6.01E-09	7.16E-10	6.73E-09	6.19E-10	5.23E-11	6.71E-10
1859	438379.5	3725944	6.45E-09	1.40E-09	7.85E-09	1.27E-09	1.76E-10	1.45E-09	6.85E-09	8.16E-10	7.66E-09	7.05E-10	5.96E-11	7.65E-10
1860	438452.2	3725029	5.94E-09	1.29E-09	7.23E-09	1.17E-09	1.62E-10	1.34E-09	6.31E-09	7.52E-10	7.06E-09	6.50E-10	5.49E-11	7.05E-10
1861	438458.8	3725042	5.95E-09	1.29E-09	7.24E-09	1.17E-09	1.62E-10	1.34E-09	6.32E-09	7.53E-10	7.07E-09	6.51E-10	5.50E-11	7.06E-10
1862	438465.5	3725055	5.93E-09	1.29E-09	7.22E-09	1.17E-09	1.62E-10	1.33E-09	6.30E-09	7.51E-10	7.06E-09	6.49E-10	5.49E-11	7.04E-10
1863	438472.2	3725068	5.91E-09	1.28E-09	7.19E-09	1.17E-09	1.61E-10	1.33E-09	6.27E-09	7.48E-10	7.02E-09	6.46E-10	5.46E-11	7.01E-10
1864	438478.9	3725081	5.87E-09	1.28E-09	7.15E-09	1.16E-09	1.60E-10	1.32E-09	6.24E-09	7.44E-10	6.98E-09	6.43E-10	5.43E-11	6.97E-10
1865	438485.6	3725095	5.83E-09	1.27E-09	7.10E-09	1.15E-09	1.59E-10	1.31E-09	6.20E-09	7.39E-10	6.94E-09	6.38E-10	5.40E-11	6.92E-10
1866	438492.3	3725108	5.79E-09	1.26E-09	7.04E-09	1.14E-09	1.58E-10	1.30E-09	6.15E-09	7.33E-10	6.88E-09	6.33E-10	5.35E-11	6.87E-10
1867	438499	3725121	5.75E-09	1.25E-09	6.99E-09	1.13E-09	1.57E-10	1.29E-09	6.10E-09	7.28E-10	6.83E-09	6.29E-10	5.31E-11	6.82E-10
1868	438505.6	3725134	5.71E-09	1.24E-09	6.95E-09	1.13E-09	1.56E-10	1.28E-09	6.06E-09	7.23E-10	6.79E-09	6.24E-10	5.28E-11	6.77E-10
1869	438512.3	3725147	5.67E-09	1.23E-09	6.90E-09	1.12E-09	1.55E-10	1.27E-09	6.02E-09	7.17E-10	6.74E-09	6.20E-10	5.24E-11	6.72E-10
1870	438519	3725160	5.60E-09	1.22E-09	6.82E-09	1.11E-09	1.53E-10	1.26E-09	5.95E-09	7.09E-10	6.66E-09	6.13E-10	5.18E-11	6.65E-10
1871	438525.7	3725174	5.55E-09	1.20E-09	6.75E-09	1.10E-09	1.51E-10	1.25E-09	5.89E-09	7.02E-10	6.59E-09	6.07E-10	5.13E-11	6.58E-10
1872	438532.4	3725187	5.49E-09	1.19E-09	6.69E-09	1.09E-09	1.50E-10	1.24E-09	5.84E-09	6.96E-10	6.53E-09	6.01E-10	5.08E-11	6.52E-10
1873	438539.1	3725200	5.43E-09	1.18E-09	6.61E-09	1.07E-09	1.48E-10	1.22E-09	5.77E-09	6.88E-10	6.46E-09	5.94E-10	5.02E-11	6.44E-10
1874	438545.8	3725213	5.34E-09	1.16E-09	6.50E-09	1.06E-09	1.46E-10	1.20E-09	5.68E-09	6.77E-10	6.35E-09	5.85E-10	4.94E-11	6.34E-10
1875	438552.5	3725226	5.26E-09	1.14E-09	6.40E-09	1.04E-09	1.43E-10	1.18E-09	5.58E-09	6.65E-10	6.25E-09	5.75E-10	4.86E-11	6.24E-10
1876	438559.1	3725239	5.16E-09	1.12E-09	6.28E-09	1.02E-09	1.41E-10	1.16E-09	5.48E-09	6.53E-10	6.14E-09	5.65E-10	4.77E-11	6.12E-10
1877	438565.8	3725253	5.05E-09	1.10E-09	6.15E-09	9.98E-10	1.38E-10	1.14E-09	5.37E-09	6.40E-10	6.00E-09	5.53E-10	4.67E-11	5.99E-10
1878	438572.5	3725266	4.94E-09	1.07E-09	6.02E-09	9.77E-10	1.35E-10	1.11E-09	5.25E-09	6.26E-10	5.88E-09	5.41E-10	4.57E-11	5.87E-10
1879	438579.2	3725279	4.83E-09	1.05E-09	5.88E-09	9.54E-10	1.32E-10	1.09E-09	5.13E-09	6.11E-10	5.74E-09	5.28E-10	4.47E-11	5.73E-10
1880	438585.9	3725292	4.72E-09	1.03E-09	5.75E-09	9.32E-10	1.29E-10	1.06E-09	5.01E-09	5.98E-10	5.61E-09	5.16E-10	4.37E-11	5.60E-10
1881	438592.6	3725305	4.64E-09	1.01E-09	5.64E-09	9.16E-10	1.26E-10	1.04E-09	4.92E-09	5.87E-10	5.51E-09	5.07E-10	4.29E-11	5.50E-10
1882	438599.3	3725318	4.55E-09	9.89E-10	5.54E-09	8.99E-10	1.24E-10	1.02E-09	4.84E-09	5.77E-10	5.41E-09	4.98E-10	4.21E-11	5.40E-10
1883	438605.9	3725332	4.48E-09	9.72E-10	5.45E-09	8.84E-10	1.22E-10	1.01E-09	4.75E-09	5.67E-10	5.32E-09	4.90E-10	4.14E-11	5.31E-10
1884	438610.3	3725352	4.44E-09	9.65E-10	5.41E-09	8.77E-10	1.21E-10	9.99E-10	4.72E-09	5.63E-10	5.28E-09	4.86E-10	4.11E-11	5.27E-10
1885	438605.8	3725366	4.52E-09	9.83E-10	5.51E-09	8.94E-10	1.23E-10	1.02E-09	4.81E-09	5.73E-10	5.38E-09	4.95E-10	4.18E-11	5.37E-10
1886	438601.2	3725380	4.62E-09	1.00E-09	5.62E-09	9.12E-10	1.26E-10	1.04E-09	4.90E-09	5.85E-10	5.49E-09	5.05E-10	4.27E-11	5.48E-10
1887	438596.7	3725394	4.70E-09	1.02E-09	5.72E-09	9.29E-10	1.28E-10	1.06E-09	5.00E-09	5.95E-10	5.59E-09	5.14E-10	4.35E-11	5.58E-10
1888	438592.1	3725408	4.78E-09	1.04E-09	5.82E-09	9.44E-10	1.30E-10	1.07E-09	5.07E-09	6.05E-10	5.68E-09	5.23E-10	4.42E-11	5.67E-10
1889	438560.3	3725506	5.13E-09	1.12E-09	6.25E-09	1.01E-09	1.40E-10	1.15E-09	5.45E-09	6.50E-10	6.10E-09	5.62E-10	4.75E-11	6.09E-10
1890	438555.7	3725520	5.18E-09	1.13E-09	6.31E-09	1.02E-09	1.41E-10	1.17E-09	5.51E-09	6.56E-10	6.16E-09	5.67E-10	4.79E-11	6.15E-10
1891	438551.1	3725534	5.23E-09	1.14E-09	6.37E-09	1.03E-09	1.43E-10	1.18E-09	5.56E-09	6.63E-10	6.22E-09	5.73E-10	4.84E-11	6.21E-10
1892	438490.2	3725022	5.36E-09	1.17E-09	6.53E-09	1.06E-09	1.46E-10	1.21E-09	5.70E-09	6.79E-10	6.38E-09	5.87E-10	4.96E-11	6.36E-10
1893	438496.8	3725035	5.35E-09	1.16E-09	6.51E-09	1.06E-09	1.46E-10	1.20E-09	5.68E-09	6.77E-10	6.36E-09	5.85E-10	4.95E-11	6.35E-10
1894	438503.4	3725048	5.33E-09	1.16E-09	6.49E-09	1.05E-09	1.45E-10	1.20E-09	5.66E-09	6.75E-10	6.34E-09	5.83E-10	4.93E-11	6.32E-10
1895	438510	3725061	5.31E-09	1.15E-09	6.46E-09	1.05E-09	1.45E-10	1.19E-09	5.64E-09	6.72E-10	6.31E-09	5.81E-10	4.91E-11	6.30E-10
1896	438516.7	3725074	5.28E-09	1.15E-09	6.42E-09	1.04E-09	1.44E-10	1.19E-09	5.60E-09	6.68E-10	6.27E-09	5.77E-10	4.88E-11	6.26E-10

1897	438523.3	3725087	5.24E-09	1.14E-09	6.38E-09	1.04E-09	1.43E-10	1.18E-09	5.57E-09	6.64E-10	6.23E-09	5.73E-10	4.85E-11	6.22E-10
1898	438529.9	3725100	5.22E-09	1.13E-09	6.35E-09	1.03E-09	1.42E-10	1.17E-09	5.54E-09	6.61E-10	6.20E-09	5.71E-10	4.83E-11	6.19E-10
1899	438536.5	3725113	5.19E-09	1.13E-09	6.32E-09	1.03E-09	1.42E-10	1.17E-09	5.52E-09	6.57E-10	6.17E-09	5.68E-10	4.80E-11	6.16E-10
1900	438543.2	3725126	5.17E-09	1.12E-09	6.29E-09	1.02E-09	1.41E-10	1.16E-09	5.49E-09	6.54E-10	6.14E-09	5.65E-10	4.78E-11	6.13E-10
1901	438549.8	3725139	5.14E-09	1.12E-09	6.25E-09	1.01E-09	1.40E-10	1.16E-09	5.46E-09	6.51E-10	6.11E-09	5.62E-10	4.75E-11	6.10E-10
1902	438556.4	3725152	5.11E-09	1.11E-09	6.22E-09	1.01E-09	1.39E-10	1.15E-09	5.43E-09	6.47E-10	6.07E-09	5.59E-10	4.72E-11	6.06E-10
1903	438563.1	3725165	5.07E-09	1.10E-09	6.18E-09	1.00E-09	1.38E-10	1.14E-09	5.39E-09	6.42E-10	6.03E-09	5.55E-10	4.69E-11	6.02E-10
1904	438569.7	3725178	5.03E-09	1.09E-09	6.13E-09	9.94E-10	1.37E-10	1.13E-09	5.35E-09	6.37E-10	5.98E-09	5.51E-10	4.66E-11	5.97E-10
1905	438576.3	3725191	4.97E-09	1.08E-09	6.05E-09	9.82E-10	1.36E-10	1.12E-09	5.28E-09	6.29E-10	5.91E-09	5.44E-10	4.60E-11	5.90E-10
1906	438582.9	3725205	4.91E-09	1.07E-09	5.97E-09	9.69E-10	1.34E-10	1.10E-09	5.21E-09	6.21E-10	5.83E-09	5.37E-10	4.54E-11	5.82E-10
1907	438589.6	3725218	4.83E-09	1.05E-09	5.88E-09	9.54E-10	1.32E-10	1.09E-09	5.13E-09	6.11E-10	5.74E-09	5.28E-10	4.47E-11	5.73E-10
1908	438596.2	3725231	4.75E-09	1.03E-09	5.78E-09	9.38E-10	1.30E-10	1.07E-09	5.04E-09	6.01E-10	5.65E-09	5.20E-10	4.39E-11	5.63E-10
1909	438602.8	3725244	4.66E-09	1.01E-09	5.68E-09	9.21E-10	1.27E-10	1.05E-09	4.95E-09	5.90E-10	5.54E-09	5.10E-10	4.31E-11	5.53E-10
1910	438609.4	3725257	4.57E-09	9.93E-10	5.57E-09	9.03E-10	1.25E-10	1.03E-09	4.86E-09	5.79E-10	5.44E-09	5.00E-10	4.23E-11	5.42E-10
1911	438616.1	3725270	4.48E-09	9.74E-10	5.46E-09	8.86E-10	1.22E-10	1.01E-09	4.76E-09	5.68E-10	5.33E-09	4.91E-10	4.15E-11	5.32E-10
1912	438622.7	3725283	4.39E-09	9.53E-10	5.34E-09	8.67E-10	1.20E-10	9.86E-10	4.66E-09	5.56E-10	5.22E-09	4.80E-10	4.06E-11	5.21E-10
1913	438629.3	3725296	4.29E-09	9.33E-10	5.23E-09	8.48E-10	1.17E-10	9.65E-10	4.56E-09	5.44E-10	5.10E-09	4.70E-10	3.97E-11	5.09E-10
1914	438635.9	3725309	4.21E-09	9.14E-10	5.12E-09	8.31E-10	1.15E-10	9.46E-10	4.47E-09	5.33E-10	5.00E-09	4.60E-10	3.89E-11	4.99E-10
1915	438642.6	3725322	4.13E-09	8.97E-10	5.02E-09	8.15E-10	1.13E-10	9.28E-10	4.38E-09	5.22E-10	4.91E-09	4.51E-10	3.82E-11	4.90E-10
1916	438649.2	3725335	4.07E-09	8.83E-10	4.95E-09	8.03E-10	1.11E-10	9.14E-10	4.32E-09	5.15E-10	4.83E-09	4.45E-10	3.76E-11	4.82E-10
1917	438650.2	3725349	4.06E-09	8.81E-10	4.94E-09	8.01E-10	1.11E-10	9.12E-10	4.31E-09	5.14E-10	4.82E-09	4.44E-10	3.75E-11	4.81E-10
1918	438645.7	3725362	4.10E-09	8.91E-10	4.99E-09	8.10E-10	1.12E-10	9.22E-10	4.36E-09	5.20E-10	4.88E-09	4.49E-10	3.79E-11	4.87E-10
1919	438641.2	3725376	4.16E-09	9.05E-10	5.07E-09	8.23E-10	1.14E-10	9.36E-10	4.42E-09	5.27E-10	4.95E-09	4.56E-10	3.85E-11	4.94E-10
1920	438636.7	3725390	4.24E-09	9.21E-10	5.16E-09	8.37E-10	1.16E-10	9.53E-10	4.50E-09	5.37E-10	5.04E-09	4.64E-10	3.92E-11	5.03E-10
1921	438632.2	3725404	4.32E-09	9.40E-10	5.26E-09	8.54E-10	1.18E-10	9.72E-10	4.59E-09	5.48E-10	5.14E-09	4.73E-10	4.00E-11	5.13E-10
1922	438627.7	3725418	4.41E-09	9.57E-10	5.36E-09	8.70E-10	1.20E-10	9.91E-10	4.68E-09	5.58E-10	5.24E-09	4.82E-10	4.08E-11	5.23E-10
1923	438623.2	3725432	4.46E-09	9.69E-10	5.43E-09	8.81E-10	1.22E-10	1.00E-09	4.74E-09	5.65E-10	5.30E-09	4.88E-10	4.13E-11	5.29E-10
1924	438618.7	3725446	4.51E-09	9.80E-10	5.49E-09	8.91E-10	1.23E-10	1.01E-09	4.79E-09	5.71E-10	5.36E-09	4.93E-10	4.17E-11	5.35E-10
1925	438587.1	3725543	4.80E-09	1.04E-09	5.85E-09	9.49E-10	1.31E-10	1.08E-09	5.10E-09	6.08E-10	5.71E-09	5.25E-10	4.44E-11	5.70E-10
1926	438582.6	3725557	4.84E-09	1.05E-09	5.89E-09	9.56E-10	1.32E-10	1.09E-09	5.14E-09	6.13E-10	5.75E-09	5.30E-10	4.48E-11	5.74E-10
1927	438578	3725571	4.88E-09	1.06E-09	5.94E-09	9.64E-10	1.33E-10	1.10E-09	5.18E-09	6.18E-10	5.80E-09	5.34E-10	4.51E-11	5.79E-10
1928	438438.1	3726003	5.52E-09	1.20E-09	6.71E-09	1.09E-09	1.50E-10	1.24E-09	5.86E-09	6.98E-10	6.56E-09	6.03E-10	5.10E-11	6.54E-10
1929	438529.8	3725018	4.86E-09	1.06E-09	5.91E-09	9.59E-10	1.33E-10	1.09E-09	5.16E-09	6.15E-10	5.77E-09	5.31E-10	4.49E-11	5.76E-10
1930	438536.4	3725031	4.84E-09	1.05E-09	5.89E-09	9.55E-10	1.32E-10	1.09E-09	5.14E-09	6.12E-10	5.75E-09	5.29E-10	4.47E-11	5.74E-10
1931	438543	3725044	4.82E-09	1.05E-09	5.86E-09	9.51E-10	1.31E-10	1.08E-09	5.12E-09	6.10E-10	5.72E-09	5.27E-10	4.45E-11	5.71E-10
1932	438549.7	3725057	4.79E-09	1.04E-09	5.83E-09	9.46E-10	1.31E-10	1.08E-09	5.09E-09	6.06E-10	5.69E-09	5.24E-10	4.43E-11	5.68E-10
1933	438556.3	3725070	4.77E-09	1.04E-09	5.80E-09	9.41E-10	1.30E-10	1.07E-09	5.06E-09	6.03E-10	5.67E-09	5.21E-10	4.41E-11	5.65E-10
1934	438562.9	3725084	4.74E-09	1.03E-09	5.77E-09	9.36E-10	1.29E-10	1.07E-09	5.04E-09	6.00E-10	5.64E-09	5.19E-10	4.38E-11	5.62E-10
1935	438569.6	3725097	4.72E-09	1.03E-09	5.75E-09	9.33E-10	1.29E-10	1.06E-09	5.02E-09	5.98E-10	5.61E-09	5.16E-10	4.37E-11	5.60E-10
1936	438576.2	3725110	4.70E-09	1.02E-09	5.72E-09	9.28E-10	1.28E-10	1.06E-09	4.99E-09	5.95E-10	5.59E-09	5.14E-10	4.35E-11	5.57E-10
1937	438582.9	3725123	4.68E-09	1.02E-09	5.70E-09	9.24E-10	1.28E-10	1.05E-09	4.97E-09	5.93E-10	5.56E-09	5.12E-10	4.33E-11	5.55E-10
1938	438589.5	3725136	4.66E-09	1.01E-09	5.68E-09	9.21E-10	1.27E-10	1.05E-09	4.95E-09	5.90E-10	5.54E-09	5.10E-10	4.31E-11	5.53E-10
1939	438596.1	3725149	4.64E-09	1.01E-09	5.65E-09	9.17E-10	1.27E-10	1.04E-09	4.93E-09	5.88E-10	5.52E-09	5.08E-10	4.29E-11	5.51E-10
1940	438602.8	3725162	4.62E-09	1.00E-09	5.62E-09	9.12E-10	1.26E-10	1.04E-09	4.90E-09	5.84E-10	5.49E-09	5.05E-10	4.27E-11	5.48E-10
1941	438609.4	3725175	4.59E-09	9.98E-10	5.59E-09	9.07E-10	1.25E-10	1.03E-09	4.88E-09	5.82E-10	5.46E-09	5.03E-10	4.25E-11	5.45E-10
1942	438616	3725188	4.54E-09	9.87E-10	5.53E-09	8.97E-10	1.24E-10	1.02E-09	4.82E-09	5.75E-10	5.40E-09	4.97E-10	4.20E-11	5.39E-10
1943	438622.7	3725201	4.49E-09	9.76E-10	5.47E-09	8.88E-10	1.23E-10	1.01E-09	4.77E-09	5.69E-10	5.34E-09	4.92E-10	4.16E-11	5.33E-10
1944	438629.3	3725214	4.44E-09	9.64E-10	5.40E-09	8.76E-10	1.21E-10	9.97E-10	4.71E-09	5.62E-10	5.27E-09	4.85E-10	4.10E-11	5.26E-10
1945	438636	3725227	4.37E-09	9.48E-10	5.31E-09	8.62E-10	1.19E-10	9.81E-10	4.64E-09	5.53E-10	5.19E-09	4.78E-10	4.04E-11	5.18E-10
1946	438642.6	3725240	4.29E-09	9.33E-10	5.23E-09	8.48E-10	1.17E-10	9.65E-10	4.56E-09	5.44E-10	5.10E-09	4.70E-10	3.97E-11	5.09E-10
1947	438649.2	3725253	4.22E-09	9.17E-10	5.14E-09	8.33E-10	1.15E-10	9.48E-10	4.48E-09	5.34E-10	5.02E-09	4.62E-10	3.90E-11	5.01E-10
1948	438655.9	3725267	4.15E-09	9.01E-10	5.05E-09	8.19E-10	1.13E-10	9.32E-10	4.40E-09	5.25E-10	4.93E-09	4.53E-10	3.83E-11	4.92E-10
1949	438662.5	3725280	4.06E-09	8.82E-10	4.94E-09	8.02E-10	1.11E-10	9.12E-10	4.31E-09	5.14E-10	4.82E-09	4.44E-10	3.75E-11	4.82E-10
1950	438669.2	3725293	3.98E-09	8.64E-10	4.84E-09	7.85E-10	1.09E-10	8.94E-10	4.22E-09	5.04E-10	4.73E-09	4.35E-10	3.68E-11	4.72E-10
1951	438675.8	3725306	3.90E-09	8.48E-10	4.75E-09	7.71E-10	1.07E-10	8.78E-10	4.15E-09	4.94E-10	4.64E-09	4.27E-10	3.61E-11	4.63E-10
1952	438682.4	3725319	3.83E-09	8.32E-10	4.66E-09	7.57E-10	1.05E-10	8.61E-10	4.07E-09	4.85E-10	4.56E-09	4.19E-10	3.54E-11	4.55E-10
1953	438689.1	3725332	3.77E-09	8.19E-10	4.59E-09	7.44E-10	1.03E-10	8.47E-10	4.00E-09	4.77E-10	4.48E-09	4.12E-10	3.49E-11	4.47E-10
1954	438690.1	3725345	3.75E-09	8.15E-10	4.57E-09	7.41E-10	1.02E-10	8.44E-10	3.99E-09	4.75E-10	4.46E-09	4.11E-10	3.47E-11	4.45E-10
1955	438685.6	3725359	3.78E-09	8.22E-10	4.61E-09	7.47E-10	1.03E-10	8.50E-10	4.02E-09	4.79E-10	4.50E-09	4.14E-10	3.50E-11	4.49E-10
1956	438681.1	3725373	3.84E-09	8.33E-10	4.67E-09	7.58E-10	1.05E-10	8.62E-10	4.07E-09	4.86E-10	4.56E-09	4.20E-10	3.55E-11	4.55E-10
1957	438676.6	3725387	3.89E-09	8.45E-10	4.74E-09	7.68E-10	1.06E-10	8.75E-10	4.13E-09	4.93E-10	4.63E-09	4.26E-10	3.60E-11	4.62E-10
1958	438672	3725401	3.95E-09	8.58E-10	4.81E-09	7.80E-10	1.08E-10	8.88E-10	4.20E-09	5.00E-10	4.70E-09	4.32E-10	3.65E-11	4.69E-10
1959	438667.5	3725415	4.02E-09	8.72E-10	4.89E-09	7.93E-10	1.10E-10	9.03E-10	4.27E-09	5.08E-10	4.77E-09	4.39E-10	3.71E-11	4.76E-10
1960	438663	3725429	4.08E-09	8.87E-10	4.97E-09	8.06E-10	1.11E-10	9.18E-10	4.34E-09	5.17E-10	4.85E-09	4.47E-10	3.78E-11	4.84E-10
1961	438658.5	3725443	4.15E-09	9.01E-10	5.05E-09	8.19E-10	1.13E-10	9.33E-10	4.41E-09	5.25E-10	4.93E-09	4.54E-10	3.84E-11	4.92E-10
1962	438654	3725457	4.19E-09	9.10E-10	5.10E-09	8.28E-10	1.14E-10	9.42E-10	4.45E-09	5.31E-10	4.98E-09	4.58E-10	3.88E-11	4.97E-10
1963	438649.4	3725471	4.23E-09	9.18E-10	5.14E-09	8.35E-10	1.15E-10	9.50E-10	4.49E-09	5.35E-10	5.02E-09	4.62E-10	3.91E-11	5.01E-10
1964	438644.9	3725485	4.26E-09	9.26E-10	5.19E-09	8.42E-10	1.16E-10	9.58E-10	4.53E-09	5.40E-10	5.07E-09	4.66E-10	3.94E-11	5.06E-10
1965	438613.3	3725582	4.51E-09	9.80E-10	5.49E-09	8.91E-10	1.23E-10	1.01E-09	4.79E-09	5.71E-10	5.36E-09	4.94E-10	4.17E-11	5.35E-10
1966	438504.8	3725917	5.20E-09	1.13E-09	6.33E-09	1.03E-09	1.42E-10	1.17E-09	5.52E-09	6.58E-10	6.18E-09	5.69E-10	4.81E-11	6.17E-10
1967	438500.2	3725931	5.21E-09	1.13E-09	6.34E-09	1.03E-09	1.42E-10	1.17E-09	5.53E-09	6.60E-10	6.19E-09	5.70E-10	4.82E-11	6.18E-10
1968	438495.7	3725945	5.21E-09	1.13E-09	6.35E-09	1.03E-09	1.42E-10	1.17E-09	5.54E-09	6.60E-10	6.20E-09	5.70E-10	4.82E-11	6.18E-10
1969	438491.2	3725959	5.21E-09	1.13E-09	6.35E-09	1.03E-09	1.42E-10	1.17E-09	5.54E-09	6.60E-10	6.20E-09	5.70E-10	4.82E-11	6.19E-10
1970	438486.7	3725973	5.21E-09	1.13E-09	6.34E-09	1.03E-09	1.42E-10	1.17E-09	5.53E-09	6.60E-10	6.19E-09	5.70E-10	4.82E-11	6.18E-10
1971	438482.2	3725987	5.20E-09	1.13E-09	6.33E-09	1.03E-09	1.42E-10	1.17E-09	5.52E-09	6.58E-10	6.18E-09	5.69E-10	4.81E-11	6.17E-10
1972	438477.6	3726001	5.18E-09	1.13E-09	6.30E-09	1.02E-09	1.41E-10	1.16E-09	5.50E-09	6.56E-10	6.16E-09	5.67E-10	4.79E-11	6.14E-10

1973	438473.1	3726015	5.16E-09	1.12E-09	6.28E-09	1.02E-09	1.41E-10	1.16E-09	5.48E-09	6.53E-10	6.13E-09	5.64E-10	4.77E-11	6.12E-10
1974	438468.6	3726029	5.14E-09	1.12E-09	6.26E-09	1.02E-09	1.40E-10	1.16E-09	5.46E-09	6.51E-10	6.11E-09	5.63E-10	4.76E-11	6.10E-10
1975	438576	3725028	4.38E-09	9.52E-10	5.33E-09	8.65E-10	1.20E-10	9.85E-10	4.65E-09	5.55E-10	5.21E-09	4.79E-10	4.05E-11	5.20E-10
1976	438582.7	3725041	4.36E-09	9.47E-10	5.31E-09	8.61E-10	1.19E-10	9.80E-10	4.63E-09	5.52E-10	5.18E-09	4.77E-10	4.03E-11	5.17E-10
1977	438589.3	3725054	4.33E-09	9.40E-10	5.27E-09	8.55E-10	1.18E-10	9.73E-10	4.60E-09	5.48E-10	5.14E-09	4.73E-10	4.00E-11	5.13E-10
1978	438596	3725067	4.31E-09	9.37E-10	5.25E-09	8.52E-10	1.18E-10	9.69E-10	4.58E-09	5.46E-10	5.13E-09	4.72E-10	3.99E-11	5.12E-10
1979	438602.6	3725080	4.31E-09	9.35E-10	5.24E-09	8.50E-10	1.17E-10	9.68E-10	4.57E-09	5.45E-10	5.12E-09	4.71E-10	3.98E-11	5.11E-10
1980	438609.3	3725093	4.30E-09	9.33E-10	5.23E-09	8.49E-10	1.17E-10	9.66E-10	4.56E-09	5.44E-10	5.11E-09	4.70E-10	3.97E-11	5.10E-10
1981	438615.9	3725106	4.28E-09	9.30E-10	5.21E-09	8.46E-10	1.17E-10	9.62E-10	4.55E-09	5.42E-10	5.09E-09	4.68E-10	3.96E-11	5.08E-10
1982	438622.6	3725119	4.27E-09	9.27E-10	5.19E-09	8.42E-10	1.16E-10	9.59E-10	4.53E-09	5.40E-10	5.07E-09	4.67E-10	3.94E-11	5.06E-10
1983	438629.2	3725132	4.24E-09	9.22E-10	5.16E-09	8.38E-10	1.16E-10	9.54E-10	4.51E-09	5.37E-10	5.04E-09	4.64E-10	3.92E-11	5.03E-10
1984	438635.9	3725145	4.22E-09	9.16E-10	5.13E-09	8.33E-10	1.15E-10	9.48E-10	4.48E-09	5.34E-10	5.01E-09	4.61E-10	3.90E-11	5.00E-10
1985	438642.5	3725159	4.19E-09	9.10E-10	5.10E-09	8.27E-10	1.14E-10	9.41E-10	4.45E-09	5.30E-10	4.98E-09	4.58E-10	3.87E-11	4.97E-10
1986	438649.2	3725172	4.15E-09	9.03E-10	5.06E-09	8.20E-10	1.13E-10	9.34E-10	4.41E-09	5.26E-10	4.94E-09	4.54E-10	3.84E-11	4.93E-10
1987	438655.8	3725185	4.12E-09	8.96E-10	5.02E-09	8.15E-10	1.13E-10	9.27E-10	4.38E-09	5.22E-10	4.90E-09	4.51E-10	3.81E-11	4.89E-10
1988	438662.5	3725198	4.10E-09	8.91E-10	4.99E-09	8.10E-10	1.12E-10	9.22E-10	4.36E-09	5.19E-10	4.88E-09	4.49E-10	3.79E-11	4.87E-10
1989	438669.1	3725211	4.07E-09	8.84E-10	4.96E-09	8.04E-10	1.11E-10	9.15E-10	4.32E-09	5.15E-10	4.84E-09	4.45E-10	3.77E-11	4.83E-10
1990	438675.7	3725224	4.01E-09	8.72E-10	4.88E-09	7.92E-10	1.09E-10	9.02E-10	4.26E-09	5.08E-10	4.77E-09	4.39E-10	3.71E-11	4.76E-10
1991	438682.4	3725237	3.95E-09	8.59E-10	4.81E-09	7.81E-10	1.08E-10	8.89E-10	4.20E-09	5.01E-10	4.70E-09	4.32E-10	3.66E-11	4.69E-10
1992	438689	3725250	3.89E-09	8.45E-10	4.74E-09	7.68E-10	1.06E-10	8.74E-10	4.13E-09	4.93E-10	4.62E-09	4.26E-10	3.60E-11	4.62E-10
1993	438695.7	3725263	3.83E-09	8.33E-10	4.67E-09	7.57E-10	1.05E-10	8.62E-10	4.07E-09	4.86E-10	4.56E-09	4.19E-10	3.55E-11	4.55E-10
1994	438702.3	3725276	3.77E-09	8.19E-10	4.59E-09	7.44E-10	1.03E-10	8.47E-10	4.00E-09	4.77E-10	4.48E-09	4.12E-10	3.49E-11	4.47E-10
1995	438709	3725289	3.70E-09	8.04E-10	4.51E-09	7.31E-10	1.01E-10	8.32E-10	3.93E-09	4.69E-10	4.40E-09	4.05E-10	3.42E-11	4.39E-10
1996	438715.6	3725303	3.64E-09	7.91E-10	4.43E-09	7.19E-10	9.93E-11	8.18E-10	3.87E-09	4.61E-10	4.33E-09	3.98E-10	3.37E-11	4.32E-10
1997	438722.3	3725316	3.58E-09	7.78E-10	4.36E-09	7.07E-10	9.77E-11	8.05E-10	3.80E-09	4.54E-10	4.26E-09	3.92E-10	3.31E-11	4.25E-10
1998	438728.9	3725329	3.53E-09	7.67E-10	4.30E-09	6.97E-10	9.64E-11	7.94E-10	3.75E-09	4.47E-10	4.20E-09	3.86E-10	3.27E-11	4.19E-10
1999	438730	3725342	3.51E-09	7.63E-10	4.28E-09	6.94E-10	9.59E-11	7.90E-10	3.73E-09	4.45E-10	4.18E-09	3.84E-10	3.25E-11	4.17E-10
2000	438725.5	3725356	3.53E-09	7.66E-10	4.29E-09	6.97E-10	9.62E-11	7.93E-10	3.75E-09	4.47E-10	4.19E-09	3.86E-10	3.26E-11	4.18E-10
2001	438720.9	3725370	3.57E-09	7.75E-10	4.34E-09	7.04E-10	9.73E-11	8.02E-10	3.79E-09	4.52E-10	4.24E-09	3.90E-10	3.30E-11	4.23E-10
2002	438716.4	3725384	3.61E-09	7.84E-10	4.39E-09	7.13E-10	9.85E-11	8.11E-10	3.83E-09	4.57E-10	4.29E-09	3.95E-10	3.34E-11	4.28E-10
2003	438711.9	3725398	3.65E-09	7.94E-10	4.45E-09	7.22E-10	9.97E-11	8.22E-10	3.88E-09	4.63E-10	4.34E-09	4.00E-10	3.38E-11	4.34E-10
2004	438707.4	3725412	3.70E-09	8.05E-10	4.51E-09	7.32E-10	1.01E-10	8.33E-10	3.93E-09	4.69E-10	4.40E-09	4.05E-10	3.43E-11	4.39E-10
2005	438702.8	3725426	3.76E-09	8.16E-10	4.57E-09	7.42E-10	1.02E-10	8.44E-10	3.99E-09	4.76E-10	4.46E-09	4.11E-10	3.47E-11	4.46E-10
2006	438698.3	3725440	3.81E-09	8.28E-10	4.64E-09	7.53E-10	1.04E-10	8.57E-10	4.05E-09	4.83E-10	4.53E-09	4.17E-10	3.53E-11	4.52E-10
2007	438693.8	3725454	3.86E-09	8.39E-10	4.70E-09	7.63E-10	1.05E-10	8.68E-10	4.10E-09	4.89E-10	4.59E-09	4.22E-10	3.57E-11	4.58E-10
2008	438689.2	3725468	3.90E-09	8.48E-10	4.75E-09	7.71E-10	1.06E-10	8.77E-10	4.15E-09	4.94E-10	4.64E-09	4.27E-10	3.61E-11	4.63E-10
2009	438684.7	3725482	3.94E-09	8.56E-10	4.79E-09	7.78E-10	1.07E-10	8.85E-10	4.18E-09	4.99E-10	4.68E-09	4.31E-10	3.64E-11	4.67E-10
2010	438680.2	3725496	3.97E-09	8.62E-10	4.83E-09	7.84E-10	1.08E-10	8.92E-10	4.22E-09	5.03E-10	4.72E-09	4.34E-10	3.67E-11	4.71E-10
2011	438675.7	3725510	4.00E-09	8.69E-10	4.87E-09	7.90E-10	1.09E-10	8.99E-10	4.25E-09	5.06E-10	4.75E-09	4.38E-10	3.70E-11	4.75E-10
2012	438671.1	3725524	4.03E-09	8.75E-10	4.90E-09	7.96E-10	1.10E-10	9.06E-10	4.28E-09	5.10E-10	4.79E-09	4.41E-10	3.73E-11	4.78E-10
2013	438666.6	3725538	4.06E-09	8.81E-10	4.94E-09	8.01E-10	1.11E-10	9.12E-10	4.31E-09	5.14E-10	4.82E-09	4.44E-10	3.75E-11	4.81E-10
2014	438594.2	3725761	4.53E-09	9.84E-10	5.51E-09	8.95E-10	1.24E-10	1.02E-09	4.81E-09	5.74E-10	5.39E-09	4.96E-10	4.19E-11	5.37E-10
2015	438589.6	3725775	4.56E-09	9.90E-10	5.55E-09	9.00E-10	1.24E-10	1.02E-09	4.84E-09	5.77E-10	5.42E-09	4.99E-10	4.22E-11	5.41E-10
2016	438557.9	3725873	4.75E-09	1.03E-09	5.78E-09	9.37E-10	1.29E-10	1.07E-09	5.04E-09	6.01E-10	5.64E-09	5.19E-10	4.39E-11	5.63E-10
2017	438553.4	3725887	4.77E-09	1.04E-09	5.81E-09	9.42E-10	1.30E-10	1.07E-09	5.07E-09	6.04E-10	5.67E-09	5.22E-10	4.41E-11	5.66E-10
2018	438548.9	3725901	4.79E-09	1.04E-09	5.83E-09	9.46E-10	1.31E-10	1.08E-09	5.09E-09	6.07E-10	5.70E-09	5.24E-10	4.43E-11	5.68E-10
2019	438544.3	3725915	4.81E-09	1.05E-09	5.86E-09	9.51E-10	1.31E-10	1.08E-09	5.11E-09	6.09E-10	5.72E-09	5.27E-10	4.45E-11	5.71E-10
2020	438539.8	3725929	4.83E-09	1.05E-09	5.88E-09	9.54E-10	1.32E-10	1.09E-09	5.13E-09	6.12E-10	5.74E-09	5.29E-10	4.47E-11	5.73E-10
2021	438535.3	3725943	4.85E-09	1.05E-09	5.90E-09	9.57E-10	1.32E-10	1.09E-09	5.15E-09	6.14E-10	5.76E-09	5.30E-10	4.48E-11	5.75E-10
2022	438530.8	3725957	4.86E-09	1.06E-09	5.91E-09	9.59E-10	1.32E-10	1.09E-09	5.16E-09	6.15E-10	5.77E-09	5.31E-10	4.49E-11	5.76E-10
2023	438526.2	3725971	4.87E-09	1.06E-09	5.92E-09	9.61E-10	1.33E-10	1.09E-09	5.17E-09	6.16E-10	5.78E-09	5.32E-10	4.50E-11	5.77E-10
2024	438521.7	3725985	4.87E-09	1.06E-09	5.93E-09	9.63E-10	1.33E-10	1.10E-09	5.18E-09	6.17E-10	5.79E-09	5.33E-10	4.51E-11	5.78E-10
2025	438517.2	3725999	4.86E-09	1.06E-09	5.92E-09	9.60E-10	1.33E-10	1.09E-09	5.17E-09	6.16E-10	5.78E-09	5.32E-10	4.50E-11	5.77E-10
2026	438512.6	3726013	4.85E-09	1.05E-09	5.90E-09	9.57E-10	1.32E-10	1.09E-09	5.15E-09	6.14E-10	5.76E-09	5.30E-10	4.48E-11	5.75E-10
2027	438476.5	3725934	5.44E-09	1.18E-09	6.62E-09	1.07E-09	1.48E-10	1.22E-09	5.78E-09	6.89E-10	6.47E-09	5.95E-10	5.03E-11	6.45E-10
2028	438497.2	3725973	5.11E-09	1.11E-09	6.23E-09	1.01E-09	1.40E-10	1.15E-09	5.43E-09	6.48E-10	6.08E-09	5.60E-10	4.73E-11	6.07E-10
2029	438502.7	3725966	5.09E-09	1.10E-09	6.19E-09	1.00E-09	1.39E-10	1.14E-09	5.40E-09	6.44E-10	6.05E-09	5.56E-10	4.70E-11	6.03E-10
2030	438508.3	3725959	5.05E-09	1.10E-09	6.15E-09	9.98E-10	1.38E-10	1.14E-09	5.37E-09	6.40E-10	6.01E-09	5.53E-10	4.67E-11	6.00E-10
2031	438529	3725998	4.77E-09	1.04E-09	5.81E-09	9.43E-10	1.30E-10	1.07E-09	5.07E-09	6.04E-10	5.67E-09	5.22E-10	4.41E-11	5.66E-10
2032	438534.5	3725990	4.75E-09	1.03E-09	5.78E-09	9.38E-10	1.30E-10	1.07E-09	5.05E-09	6.01E-10	5.65E-09	5.20E-10	4.39E-11	5.64E-10
2033	438540	3725983	4.72E-09	1.03E-09	5.75E-09	9.33E-10	1.29E-10	1.06E-09	5.02E-09	5.98E-10	5.62E-09	5.17E-10	4.37E-11	5.60E-10
2034	438532.4	3725523	5.48E-09	1.19E-09	6.67E-09	1.08E-09	1.49E-10	1.23E-09	5.82E-09	6.94E-10	6.51E-09	5.99E-10	5.07E-11	6.50E-10
2035	438566.5	3725547	5.03E-09	1.09E-09	6.13E-09	9.94E-10	1.37E-10	1.13E-09	5.35E-09	6.37E-10	5.98E-09	5.51E-10	4.66E-11	5.97E-10
2036	438571.6	3725531	4.99E-09	1.08E-09	6.07E-09	9.85E-10	1.36E-10	1.12E-09	5.30E-09	6.31E-10	5.93E-09	5.45E-10	4.61E-11	5.92E-10
2037	438598.9	3725570	4.66E-09	1.01E-09	5.68E-09	9.21E-10	1.27E-10	1.05E-09	4.95E-09	5.91E-10	5.54E-09	5.10E-10	4.31E-11	5.53E-10
2038	438592	3725585	4.72E-09	1.03E-09	5.75E-09	9.33E-10	1.29E-10	1.06E-09	5.02E-09	5.98E-10	5.62E-09	5.17E-10	4.37E-11	5.61E-10
2039	438684.2	3725571	3.90E-09	8.46E-10	4.74E-09	7.69E-10	1.06E-10	8.76E-10	4.14E-09	4.93E-10	4.63E-09	4.26E-10	3.60E-11	4.62E-10
2040	438539.3	3725890	4.90E-09	1.06E-09	5.97E-09	9.68E-10	1.34E-10	1.10E-09	5.21E-09	6.21E-10	5.83E-09	5.36E-10	4.53E-11	5.81E-10
2041	438532.4	3725906	4.95E-09	1.07E-09	6.02E-09	9.77E-10	1.35E-10	1.11E-09	5.25E-09	6.26E-10	5.88E-09	5.41E-10	4.57E-11	5.87E-10
2042	438525.5	3725921	4.99E-09	1.08E-09	6.07E-09	9.85E-10	1.36E-10	1.12E-09	5.30E-09	6.31E-10	5.93E-09	5.45E-10	4.61E-11	5.92E-10
2043	438518.6	3725936	5.02E-09	1.09E-09	6.11E-09	9.91E-10	1.37E-10	1.13E-09	5.33E-09	6.35E-10	5.97E-09	5.49E-10	4.64E-11	5.95E-10
2044	438689.3	3725555	3.87E-09	8.40E-10	4.70E-09	7.63E-10	1.05E-10	8.69E-10	4.11E-09	4.89E-10	4.59E-09	4.23E-10	3.57E-11	4.59E-10
2045	438723.4	3725578	3.60E-09	7.82E-10	4.38E-09	7.11E-10	9.82E-11	8.09E-10	3.82E-09	4.56E-10	4.28E-09	3.94E-10	3.33E-11	4.27E-10
2046	438716.5	3725594	3.64E-09	7.91E-10	4.43E-09	7.19E-10	9.93E-11	8.18E-10	3.87E-09	4.61E-10	4.33E-09	3.98E-10	3.37E-11	4.32E-10
2047	438709.6	3725609	3.68E-09	8.00E-10	4.48E-09	7.28E-10	1.01E-10	8.28E-10	3.91E-09	4.66E-10	4.38E-09	4.03E-10	3.41E-11	4.37E-10
2048	438702.6	3725624	3.73E-09	8.10E-10	4.54E-09	7.37E-10	1.02E-10	8.38E-10	3.96E-09	4.72E-10	4.43E-09	4.08E-10	3.45E-11	4.42E-10

2049	438661.1	3725716	4.00E-09	8.70E-10	4.87E-09	7.91E-10	1.09E-10	9.00E-10	4.25E-09	5.07E-10	4.76E-09	4.38E-10	3.70E-11	4.75E-10
2050	438640.4	3725762	4.13E-09	8.97E-10	5.02E-09	8.15E-10	1.13E-10	9.28E-10	4.38E-09	5.23E-10	4.91E-09	4.51E-10	3.82E-11	4.90E-10
2051	438633.4	3725777	4.17E-09	9.06E-10	5.08E-09	8.24E-10	1.14E-10	9.38E-10	4.43E-09	5.28E-10	4.96E-09	4.56E-10	3.86E-11	4.95E-10
2052	438626.5	3725792	4.22E-09	9.16E-10	5.13E-09	8.33E-10	1.15E-10	9.48E-10	4.48E-09	5.34E-10	5.01E-09	4.61E-10	3.90E-11	5.00E-10
2053	438619.6	3725808	4.26E-09	9.26E-10	5.19E-09	8.41E-10	1.16E-10	9.58E-10	4.53E-09	5.39E-10	5.06E-09	4.66E-10	3.94E-11	5.05E-10
2054	438612.7	3725823	4.30E-09	9.35E-10	5.24E-09	8.50E-10	1.17E-10	9.68E-10	4.57E-09	5.45E-10	5.12E-09	4.71E-10	3.98E-11	5.11E-10
2055	438605.8	3725838	4.35E-09	9.45E-10	5.29E-09	8.59E-10	1.19E-10	9.77E-10	4.62E-09	5.51E-10	5.17E-09	4.76E-10	4.02E-11	5.16E-10
2056	438598.8	3725853	4.39E-09	9.54E-10	5.34E-09	8.67E-10	1.20E-10	9.87E-10	4.66E-09	5.56E-10	5.22E-09	4.80E-10	4.06E-11	5.21E-10
2057	438591.9	3725869	4.44E-09	9.64E-10	5.40E-09	8.76E-10	1.21E-10	9.97E-10	4.71E-09	5.62E-10	5.27E-09	4.85E-10	4.10E-11	5.26E-10
2058	438585	3725884	4.49E-09	9.75E-10	5.46E-09	8.86E-10	1.22E-10	1.01E-09	4.77E-09	5.68E-10	5.34E-09	4.91E-10	4.15E-11	5.32E-10
2059	438578.1	3725899	4.54E-09	9.85E-10	5.52E-09	8.96E-10	1.24E-10	1.02E-09	4.82E-09	5.74E-10	5.39E-09	4.96E-10	4.19E-11	5.38E-10
2060	438571.2	3725914	4.58E-09	9.94E-10	5.57E-09	9.04E-10	1.25E-10	1.03E-09	4.86E-09	5.79E-10	5.44E-09	5.01E-10	4.23E-11	5.43E-10
2061	438564.2	3725930	4.61E-09	1.00E-09	5.62E-09	9.11E-10	1.26E-10	1.04E-09	4.90E-09	5.84E-10	5.48E-09	5.05E-10	4.27E-11	5.47E-10
2062	438557.3	3725945	4.65E-09	1.01E-09	5.66E-09	9.18E-10	1.27E-10	1.04E-09	4.94E-09	5.89E-10	5.53E-09	5.08E-10	4.30E-11	5.51E-10
2063	438550.4	3725960	4.68E-09	1.02E-09	5.70E-09	9.24E-10	1.28E-10	1.05E-09	4.97E-09	5.93E-10	5.56E-09	5.12E-10	4.33E-11	5.55E-10
2064	438728.5	3725563	3.57E-09	7.75E-10	4.34E-09	7.05E-10	9.74E-11	8.02E-10	3.79E-09	4.52E-10	4.24E-09	3.90E-10	3.30E-11	4.23E-10
2065	438498.3	3725488	6.00E-09	1.30E-09	7.31E-09	1.19E-09	1.64E-10	1.35E-09	6.38E-09	7.60E-10	7.14E-09	6.57E-10	5.55E-11	7.12E-10
2066	438502.3	3725464	5.97E-09	1.30E-09	7.26E-09	1.18E-09	1.63E-10	1.34E-09	6.34E-09	7.55E-10	7.09E-09	6.53E-10	5.52E-11	7.08E-10
2067	438537.7	3725495	5.43E-09	1.18E-09	6.61E-09	1.07E-09	1.48E-10	1.22E-09	5.77E-09	6.87E-10	6.45E-09	5.94E-10	5.02E-11	6.44E-10
2068	438535.3	3725508	5.45E-09	1.18E-09	6.64E-09	1.08E-09	1.49E-10	1.23E-09	5.79E-09	6.91E-10	6.48E-09	5.97E-10	5.04E-11	6.47E-10
2069	438540.4	3725479	5.40E-09	1.17E-09	6.57E-09	1.07E-09	1.47E-10	1.21E-09	5.74E-09	6.84E-10	6.42E-09	5.91E-10	4.99E-11	6.41E-10
2070	438658.8	3725499	4.14E-09	9.00E-10	5.04E-09	8.18E-10	1.13E-10	9.31E-10	4.40E-09	5.24E-10	4.92E-09	4.53E-10	3.83E-11	4.91E-10
2071	438661.6	3725482	4.12E-09	8.96E-10	5.02E-09	8.14E-10	1.12E-10	9.27E-10	4.38E-09	5.22E-10	4.90E-09	4.51E-10	3.81E-11	4.89E-10
2072	438695.4	3725522	3.84E-09	8.34E-10	4.67E-09	7.58E-10	1.05E-10	8.62E-10	4.08E-09	4.86E-10	4.56E-09	4.20E-10	3.55E-11	4.55E-10
2073	438692.4	3725538	3.85E-09	8.36E-10	4.69E-09	7.60E-10	1.05E-10	8.65E-10	4.09E-09	4.87E-10	4.58E-09	4.21E-10	3.56E-11	4.57E-10
2074	438698.3	3725505	3.82E-09	8.31E-10	4.65E-09	7.55E-10	1.04E-10	8.60E-10	4.06E-09	4.84E-10	4.55E-09	4.18E-10	3.54E-11	4.54E-10
2075	438701	3725488	3.81E-09	8.28E-10	4.64E-09	7.53E-10	1.04E-10	8.57E-10	4.05E-09	4.83E-10	4.53E-09	4.17E-10	3.53E-11	4.52E-10
2076	438735.1	3725527	3.55E-09	7.71E-10	4.32E-09	7.01E-10	9.68E-11	7.98E-10	3.77E-09	4.49E-10	4.22E-09	3.88E-10	3.28E-11	4.21E-10
2077	438732.6	3725541	3.56E-09	7.73E-10	4.33E-09	7.03E-10	9.71E-11	8.00E-10	3.78E-09	4.51E-10	4.23E-09	3.89E-10	3.29E-11	4.22E-10
2078	438737.7	3725512	3.54E-09	7.69E-10	4.31E-09	6.99E-10	9.66E-11	7.96E-10	3.76E-09	4.48E-10	4.21E-09	3.87E-10	3.27E-11	4.20E-10
2079	438740.5	3725495	3.53E-09	7.66E-10	4.29E-09	6.97E-10	9.62E-11	7.93E-10	3.75E-09	4.47E-10	4.19E-09	3.86E-10	3.26E-11	4.18E-10
2080	437801.1	3725247	2.86E-07	6.21E-08	3.48E-07	5.65E-08	7.80E-09	6.43E-08	3.04E-07	3.62E-08	3.40E-07	3.13E-08	2.64E-09	3.39E-08
2081	437796.7	3725239	2.79E-07	6.07E-08	3.40E-07	5.52E-08	7.62E-09	6.28E-08	2.97E-07	3.54E-08	3.32E-07	3.06E-08	2.58E-09	3.31E-08
2082	437815	3725258	2.57E-07	5.58E-08	3.13E-07	5.08E-08	7.01E-09	5.78E-08	2.73E-07	3.25E-08	3.05E-07	2.81E-08	2.38E-09	3.05E-08
2083	437809.9	3725243	2.43E-07	5.28E-08	2.96E-07	4.80E-08	6.63E-09	5.46E-08	2.58E-07	3.08E-08	2.89E-07	2.66E-08	2.25E-09	2.88E-08
2084	437805.5	3725234	2.37E-07	5.16E-08	2.89E-07	4.69E-08	6.48E-09	5.34E-08	2.52E-07	3.01E-08	2.82E-07	2.60E-08	2.20E-09	2.82E-08
2085	437824	3725255	2.22E-07	4.83E-08	2.71E-07	4.39E-08	6.07E-09	5.00E-08	2.36E-07	2.82E-08	2.64E-07	2.43E-08	2.06E-09	2.64E-08
2086	437823.1	3725246	2.12E-07	4.60E-08	2.58E-07	4.18E-08	5.78E-09	4.76E-08	2.25E-07	2.68E-08	2.52E-07	2.32E-08	1.96E-09	2.51E-08
2087	437818.7	3725238	2.09E-07	4.55E-08	2.55E-07	4.14E-08	5.71E-09	4.71E-08	2.22E-07	2.65E-08	2.49E-07	2.29E-08	1.94E-09	2.48E-08
2088	437814.4	3725230	2.05E-07	4.46E-08	2.50E-07	4.05E-08	5.60E-09	4.61E-08	2.18E-07	2.60E-08	2.44E-07	2.24E-08	1.90E-09	2.43E-08
2089	437810	3725222	1.99E-07	4.32E-08	2.42E-07	3.93E-08	5.43E-09	4.47E-08	2.11E-07	2.52E-08	2.36E-07	2.18E-08	1.84E-09	2.36E-08
2090	437832.8	3725250	1.94E-07	4.20E-08	2.36E-07	3.82E-08	5.28E-09	4.35E-08	2.06E-07	2.45E-08	2.30E-07	2.12E-08	1.79E-09	2.30E-08
2091	437827.6	3725233	1.82E-07	3.96E-08	2.22E-07	3.60E-08	4.98E-09	4.10E-08	1.94E-07	2.31E-08	2.17E-07	2.00E-08	1.69E-09	2.16E-08
2092	437823.2	3725225	1.79E-07	3.88E-08	2.18E-07	3.53E-08	4.88E-09	4.02E-08	1.90E-07	2.26E-08	2.13E-07	1.96E-08	1.65E-09	2.12E-08
2093	437818.9	3725217	1.74E-07	3.77E-08	2.11E-07	3.43E-08	4.74E-09	3.90E-08	1.84E-07	2.20E-08	2.06E-07	1.90E-08	1.61E-09	2.06E-08
2094	437836.4	3725229	1.61E-07	3.51E-08	1.96E-07	3.19E-08	4.40E-09	3.63E-08	1.71E-07	2.04E-08	1.92E-07	1.76E-08	1.49E-09	1.91E-08
2095	437832	3725220	1.58E-07	3.42E-08	1.92E-07	3.11E-08	4.30E-09	3.54E-08	1.67E-07	2.00E-08	1.87E-07	1.72E-08	1.46E-09	1.87E-08
2096	437827.7	3725212	1.53E-07	3.32E-08	1.86E-07	3.02E-08	4.17E-09	3.44E-08	1.62E-07	1.94E-08	1.82E-07	1.67E-08	1.41E-09	1.81E-08
2097	437823.4	3725204	1.47E-07	3.20E-08	1.79E-07	2.91E-08	4.02E-09	3.31E-08	1.57E-07	1.87E-08	1.75E-07	1.61E-08	1.36E-09	1.75E-08
2098	437845.2	3725224	1.44E-07	3.13E-08	1.75E-07	2.84E-08	3.93E-09	3.24E-08	1.53E-07	1.82E-08	1.71E-07	1.58E-08	1.33E-09	1.71E-08
2099	437840.9	3725216	1.41E-07	3.06E-08	1.72E-07	2.78E-08	3.85E-09	3.17E-08	1.50E-07	1.78E-08	1.68E-07	1.54E-08	1.30E-09	1.67E-08
2100	437836.5	3725208	1.37E-07	2.97E-08	1.66E-07	2.70E-08	3.73E-09	3.07E-08	1.45E-07	1.73E-08	1.63E-07	1.50E-08	1.26E-09	1.62E-08
2101	437832.2	3725199	1.31E-07	2.86E-08	1.60E-07	2.60E-08	3.59E-09	2.95E-08	1.40E-07	1.66E-08	1.56E-07	1.44E-08	1.22E-09	1.56E-08
2102	437854.1	3725219	1.29E-07	2.81E-08	1.58E-07	2.56E-08	3.53E-09	2.91E-08	1.37E-07	1.64E-08	1.54E-07	1.42E-08	1.20E-09	1.54E-08
2103	437849.7	3725211	1.27E-07	2.75E-08	1.54E-07	2.50E-08	3.46E-09	2.85E-08	1.35E-07	1.61E-08	1.51E-07	1.39E-08	1.17E-09	1.50E-08
2104	437845.4	3725203	1.23E-07	2.68E-08	1.50E-07	2.44E-08	3.36E-09	2.77E-08	1.31E-07	1.56E-08	1.47E-07	1.35E-08	1.14E-09	1.46E-08
2105	437841	3725195	1.19E-07	2.59E-08	1.45E-07	2.35E-08	3.25E-09	2.67E-08	1.26E-07	1.51E-08	1.41E-07	1.30E-08	1.10E-09	1.41E-08
2106	437933.7	3725156	5.46E-08	1.19E-08	6.65E-08	1.08E-08	1.49E-09	1.23E-08	5.80E-08	6.92E-09	6.50E-08	5.98E-09	5.05E-10	6.48E-09
2107	437929.3	3725148	5.35E-08	1.16E-08	6.51E-08	1.06E-08	1.46E-09	1.20E-08	5.69E-08	6.78E-09	6.36E-08	5.85E-09	4.95E-10	6.35E-09
2108	437951.4	3725147	4.73E-08	1.03E-08	5.76E-08	9.34E-09	1.29E-09	1.06E-08	5.02E-08	5.99E-09	5.62E-08	5.17E-09	4.37E-10	5.61E-09
2109	438061.6	3725120	2.53E-08	5.49E-09	3.08E-08	4.99E-09	6.90E-10	5.68E-09	2.69E-08	3.20E-09	3.01E-08	2.77E-09	2.34E-10	3.00E-09
2110	438048.5	3725095	2.43E-08	5.28E-09	2.96E-08	4.80E-09	6.63E-10	5.46E-09	2.58E-08	3.08E-09	2.89E-08	2.66E-09	2.25E-10	2.88E-09
2111	438088.1	3725105	2.16E-08	4.69E-09	2.63E-08	4.26E-09	5.89E-10	4.85E-09	2.29E-08	2.73E-09	2.57E-08	2.36E-09	2.00E-10	2.56E-09
2112	438083.7	3725097	2.14E-08	4.64E-09	2.60E-08	4.22E-09	5.83E-10	4.80E-09	2.27E-08	2.70E-09	2.54E-08	2.34E-09	1.97E-10	2.53E-09
2113	438079.4	3725089	2.11E-08	4.58E-09	2.57E-08	4.16E-09	5.75E-10	4.74E-09	2.24E-08	2.67E-09	2.51E-08	2.31E-09	1.95E-10	2.50E-09
2114	438075	3725081	2.08E-08	4.51E-09	2.53E-08	4.10E-09	5.67E-10	4.67E-09	2.21E-08	2.63E-09	2.47E-08	2.27E-09	1.92E-10	2.46E-09
2115	438070.7	3725073	2.04E-08	4.44E-09	2.49E-08	4.04E-09	5.58E-10	4.60E-09	2.17E-08	2.59E-09	2.43E-08	2.24E-09	1.89E-10	2.43E-09
2116	438122.2	3725164	2.19E-08	4.76E-09	2.67E-08	4.33E-09	5.98E-10	4.93E-09	2.33E-08	2.78E-09	2.61E-08	2.40E-09	2.03E-10	2.60E-09
2117	438123.2	3725173	2.23E-08	4.84E-09	2.71E-08	4.40E-09	6.07E-10	5.00E-09	2.36E-08	2.82E-09	2.65E-08	2.44E-09	2.06E-10	2.64E-09
2118	438114.6	3725091	1.86E-08	4.05E-09	2.27E-08	3.68E-09	5.08E-10	4.19E-09	1.98E-08	2.36E-09	2.21E-08	2.04E-09	1.72E-10	2.21E-09
2119	438110.2	3725083	1.84E-08	4.01E-09	2.24E-08	3.64E-09	5.03E-10	4.15E-09	1.96E-08	2.34E-09	2.19E-08	2.02E-09	1.71E-10	2.19E-09
2120	438105.9	3725075	1.82E-08	3.96E-09	2.22E-08	3.60E-09	4.97E-10	4.10E-09	1.94E-08	2.31E-09	2.17E-08	1.99E-09	1.68E-10	2.16E-09
2121	438101.5	3725067	1.80E-08	3.90E-09	2.19E-08	3.55E-09	4.90E-10	4.04E-09	1.91E-08	2.27E-09	2.13E-08	1.96E-09	1.66E-10	2.13E-09
2122	438097.2	3725059	1.77E-08	3.84E-09	2.15E-08	3.49E-09	4.82E-10	3.97E-09	1.88E-08	2.24E-09	2.10E-08	1.93E-09	1.63E-10	2.10E-09
2123	438147.8	3725142	1.86E-08	4.05E-09	2.27E-08	3.68E-09	5.08E-10	4.19E-09	1.98E-08	2.36E-09	2.21E-08	2.04E-09	1.72E-10	2.21E-09
2124	438148.8	3725151	1.89E-08	4.11E-09	2.30E-08	3.74E-09	5.16E-10	4.25E-09	2.01E-08	2.40E-09	2.25E-08	2.07E-09	1.75E-10	2.24E-09

2125	438149.8	3725160	1.92E-08	4.17E-09	2.34E-08	3.79E-09	5.24E-10	4.32E-09	2.04E-08	2.43E-09	2.28E-08	2.10E-09	1.78E-10	2.28E-09
2126	438150.7	3725169	1.95E-08	4.23E-09	2.37E-08	3.85E-09	5.32E-10	4.38E-09	2.07E-08	2.47E-09	2.32E-08	2.13E-09	1.80E-10	2.31E-09
2127	438176.1	3725145	1.67E-08	3.64E-09	2.04E-08	3.30E-09	4.57E-10	3.76E-09	1.78E-08	2.12E-09	1.99E-08	1.83E-09	1.55E-10	1.99E-09
2128	438177.1	3725154	1.70E-08	3.68E-09	2.06E-08	3.35E-09	4.63E-10	3.81E-09	1.80E-08	2.15E-09	2.02E-08	1.85E-09	1.57E-10	2.01E-09
2129	438178	3725163	1.72E-08	3.73E-09	2.09E-08	3.39E-09	4.68E-10	3.86E-09	1.82E-08	2.17E-09	2.04E-08	1.88E-09	1.59E-10	2.04E-09
2130	438179	3725172	1.73E-08	3.77E-09	2.11E-08	3.42E-09	4.73E-10	3.90E-09	1.84E-08	2.20E-09	2.06E-08	1.90E-09	1.60E-10	2.06E-09
2131	438183.8	3725217	1.79E-08	3.90E-09	2.18E-08	3.54E-09	4.89E-10	4.03E-09	1.91E-08	2.27E-09	2.13E-08	1.96E-09	1.66E-10	2.13E-09
2132	438184.7	3725226	1.80E-08	3.91E-09	2.19E-08	3.56E-09	4.91E-10	4.05E-09	1.91E-08	2.28E-09	2.14E-08	1.97E-09	1.66E-10	2.14E-09
2133	438221.5	3725044	1.15E-08	2.49E-09	1.39E-08	2.26E-09	3.12E-10	2.57E-09	1.22E-08	1.45E-09	1.36E-08	1.25E-09	1.06E-10	1.36E-09
2134	438220.6	3725035	1.12E-08	2.44E-09	1.37E-08	2.22E-09	3.06E-10	2.52E-09	1.19E-08	1.42E-09	1.34E-08	1.23E-09	1.04E-10	1.33E-09
2135	438216.2	3725027	1.11E-08	2.42E-09	1.36E-08	2.20E-09	3.04E-10	2.50E-09	1.18E-08	1.41E-09	1.32E-08	1.22E-09	1.03E-10	1.32E-09
2136	438211.9	3725019	1.10E-08	2.39E-09	1.34E-08	2.17E-09	3.00E-10	2.47E-09	1.17E-08	1.39E-09	1.31E-08	1.20E-09	1.02E-10	1.31E-09
2137	438207.5	3725011	1.09E-08	2.36E-09	1.32E-08	2.15E-09	2.96E-10	2.44E-09	1.15E-08	1.38E-09	1.29E-08	1.19E-09	1.00E-10	1.29E-09
2138	438203.2	3725002	1.07E-08	2.33E-09	1.30E-08	2.11E-09	2.92E-10	2.41E-09	1.14E-08	1.36E-09	1.27E-08	1.17E-09	9.90E-11	1.27E-09
2139	438250.9	3725058	1.08E-08	2.35E-09	1.31E-08	2.13E-09	2.95E-10	2.43E-09	1.15E-08	1.37E-09	1.28E-08	1.18E-09	9.99E-11	1.28E-09
2140	438251.9	3725067	1.10E-08	2.39E-09	1.34E-08	2.17E-09	3.00E-10	2.48E-09	1.17E-08	1.39E-09	1.31E-08	1.20E-09	1.02E-10	1.31E-09
2141	438252.8	3725076	1.12E-08	2.44E-09	1.37E-08	2.22E-09	3.06E-10	2.52E-09	1.19E-08	1.42E-09	1.33E-08	1.23E-09	1.04E-10	1.33E-09
2142	438266.3	3725203	1.26E-08	2.73E-09	1.53E-08	2.48E-09	3.43E-10	2.82E-09	1.33E-08	1.59E-09	1.49E-08	1.37E-09	1.16E-10	1.49E-09
2143	438267.2	3725213	1.26E-08	2.73E-09	1.53E-08	2.48E-09	3.43E-10	2.83E-09	1.34E-08	1.59E-09	1.50E-08	1.38E-09	1.16E-10	1.49E-09
2144	438273	3725267	1.26E-08	2.75E-09	1.54E-08	2.50E-09	3.45E-10	2.84E-09	1.34E-08	1.60E-09	1.50E-08	1.38E-09	1.17E-10	1.50E-09
2145	438274	3725276	1.26E-08	2.75E-09	1.54E-08	2.50E-09	3.45E-10	2.84E-09	1.34E-08	1.60E-09	1.50E-08	1.38E-09	1.17E-10	1.50E-09
2146	438275.5	3725025	9.24E-09	2.01E-09	1.13E-08	1.83E-09	2.52E-10	2.08E-09	9.82E-09	1.17E-09	1.10E-08	1.01E-09	8.55E-11	1.10E-09
2147	438276.5	3725035	9.45E-09	2.05E-09	1.15E-08	1.87E-09	2.58E-10	2.12E-09	1.00E-08	1.20E-09	1.12E-08	1.03E-09	8.74E-11	1.12E-09
2148	438277.4	3725044	9.66E-09	2.10E-09	1.18E-08	1.91E-09	2.64E-10	2.17E-09	1.03E-08	1.22E-09	1.15E-08	1.06E-09	8.94E-11	1.15E-09
2149	438278.4	3725053	9.88E-09	2.15E-09	1.20E-08	1.95E-09	2.69E-10	2.22E-09	1.05E-08	1.25E-09	1.17E-08	1.08E-09	9.13E-11	1.17E-09
2150	438297.8	3725237	1.12E-08	2.44E-09	1.36E-08	2.21E-09	3.06E-10	2.52E-09	1.19E-08	1.42E-09	1.33E-08	1.23E-09	1.04E-10	1.33E-09
2151	438298.8	3725246	1.12E-08	2.44E-09	1.37E-08	2.22E-09	3.06E-10	2.52E-09	1.19E-08	1.42E-09	1.33E-08	1.23E-09	1.04E-10	1.33E-09
2152	438299.8	3725256	1.12E-08	2.44E-09	1.37E-08	2.22E-09	3.06E-10	2.52E-09	1.19E-08	1.42E-09	1.34E-08	1.23E-09	1.04E-10	1.33E-09
2153	438300.7	3725265	1.12E-08	2.44E-09	1.37E-08	2.22E-09	3.06E-10	2.52E-09	1.19E-08	1.42E-09	1.34E-08	1.23E-09	1.04E-10	1.33E-09
2154	438301.7	3725274	1.13E-08	2.45E-09	1.37E-08	2.22E-09	3.07E-10	2.53E-09	1.20E-08	1.43E-09	1.34E-08	1.23E-09	1.04E-10	1.34E-09
2155	438302	3725011	8.24E-09	1.79E-09	1.00E-08	1.63E-09	2.25E-10	1.85E-09	8.76E-09	1.04E-09	9.80E-09	9.02E-10	7.62E-11	9.78E-10
2156	438302.9	3725020	8.44E-09	1.83E-09	1.03E-08	1.67E-09	2.30E-10	1.90E-09	8.97E-09	1.07E-09	1.00E-08	9.23E-10	7.81E-11	1.00E-09
2157	438303.9	3725029	8.63E-09	1.88E-09	1.05E-08	1.71E-09	2.36E-10	1.94E-09	9.17E-09	1.09E-09	1.03E-08	9.44E-10	7.98E-11	1.02E-09
2158	438304.9	3725038	8.81E-09	1.92E-09	1.07E-08	1.74E-09	2.40E-10	1.98E-09	9.36E-09	1.12E-09	1.05E-08	9.64E-10	8.15E-11	1.05E-09
2159	438310.6	3725093	9.66E-09	2.10E-09	1.18E-08	1.91E-09	2.63E-10	2.17E-09	1.03E-08	1.22E-09	1.15E-08	1.06E-09	8.93E-11	1.15E-09
2160	438311.6	3725102	9.75E-09	2.12E-09	1.19E-08	1.93E-09	2.66E-10	2.19E-09	1.04E-08	1.23E-09	1.16E-08	1.07E-09	9.02E-11	1.16E-09
2161	438312.5	3725111	9.83E-09	2.14E-09	1.20E-08	1.94E-09	2.68E-10	2.21E-09	1.04E-08	1.25E-09	1.17E-08	1.08E-09	9.10E-11	1.17E-09
2162	438313.5	3725120	9.91E-09	2.15E-09	1.21E-08	1.96E-09	2.70E-10	2.23E-09	1.05E-08	1.25E-09	1.18E-08	1.08E-09	9.16E-11	1.18E-09
2163	438314.4	3725129	9.96E-09	2.16E-09	1.21E-08	1.97E-09	2.72E-10	2.24E-09	1.06E-08	1.26E-09	1.18E-08	1.09E-09	9.22E-11	1.18E-09
2164	438315.4	3725139	1.00E-08	2.18E-09	1.22E-08	1.98E-09	2.73E-10	2.25E-09	1.06E-08	1.27E-09	1.19E-08	1.10E-09	9.26E-11	1.19E-09
2165	438326.9	3725248	1.01E-08	2.19E-09	1.23E-08	1.99E-09	2.75E-10	2.26E-09	1.07E-08	1.28E-09	1.20E-08	1.10E-09	9.32E-11	1.20E-09
2166	438347.9	3725093	8.61E-09	1.87E-09	1.05E-08	1.70E-09	2.35E-10	1.93E-09	9.14E-09	1.09E-09	1.02E-08	9.41E-10	7.96E-11	1.02E-09
2167	438348.9	3725102	8.67E-09	1.88E-09	1.05E-08	1.71E-09	2.36E-10	1.95E-09	9.21E-09	1.10E-09	1.03E-08	9.48E-10	8.02E-11	1.03E-09
2168	438349.9	3725111	8.72E-09	1.90E-09	1.06E-08	1.72E-09	2.38E-10	1.96E-09	9.27E-09	1.10E-09	1.04E-08	9.54E-10	8.07E-11	1.04E-09
2169	438350.8	3725121	8.77E-09	1.91E-09	1.07E-08	1.73E-09	2.39E-10	1.97E-09	9.32E-09	1.11E-09	1.04E-08	9.60E-10	8.12E-11	1.04E-09
2170	438351.8	3725130	8.82E-09	1.92E-09	1.07E-08	1.74E-09	2.41E-10	1.98E-09	9.37E-09	1.12E-09	1.05E-08	9.65E-10	8.16E-11	1.05E-09
2171	438352.7	3725139	8.86E-09	1.92E-09	1.08E-08	1.75E-09	2.42E-10	1.99E-09	9.41E-09	1.12E-09	1.05E-08	9.69E-10	8.19E-11	1.05E-09
2172	438371.1	3725313	8.80E-09	1.91E-09	1.07E-08	1.74E-09	2.40E-10	1.98E-09	9.35E-09	1.11E-09	1.05E-08	9.63E-10	8.14E-11	1.04E-09
2173	438372	3725322	8.84E-09	1.92E-09	1.08E-08	1.75E-09	2.41E-10	1.99E-09	9.39E-09	1.12E-09	1.05E-08	9.67E-10	8.18E-11	1.05E-09
2174	438373	3725331	8.87E-09	1.93E-09	1.08E-08	1.75E-09	2.42E-10	1.99E-09	9.42E-09	1.12E-09	1.05E-08	9.70E-10	8.20E-11	1.05E-09
2175	438374	3725340	8.89E-09	1.93E-09	1.08E-08	1.76E-09	2.43E-10	2.00E-09	9.44E-09	1.13E-09	1.06E-08	9.73E-10	8.22E-11	1.05E-09
2176	438375.9	3725358	8.92E-09	1.94E-09	1.09E-08	1.76E-09	2.43E-10	2.00E-09	9.47E-09	1.13E-09	1.06E-08	9.76E-10	8.25E-11	1.06E-09
2177	438383.3	3725075	7.56E-09	1.64E-09	9.20E-09	1.49E-09	2.06E-10	1.70E-09	8.03E-09	9.57E-10	8.99E-09	8.27E-10	6.99E-11	8.97E-10
2178	438384.3	3725084	7.63E-09	1.66E-09	9.29E-09	1.51E-09	2.08E-10	1.72E-09	8.10E-09	9.66E-10	9.07E-09	8.35E-10	7.06E-11	9.05E-10
2179	438385.3	3725093	7.69E-09	1.67E-09	9.36E-09	1.52E-09	2.10E-10	1.73E-09	8.17E-09	9.74E-10	9.14E-09	8.41E-10	7.11E-11	9.12E-10
2180	438386.2	3725102	7.74E-09	1.68E-09	9.42E-09	1.53E-09	2.11E-10	1.74E-09	8.22E-09	9.80E-10	9.20E-09	8.47E-10	7.16E-11	9.19E-10
2181	438387.2	3725112	7.79E-09	1.69E-09	9.49E-09	1.54E-09	2.13E-10	1.75E-09	8.28E-09	9.87E-10	9.26E-09	8.52E-10	7.21E-11	9.25E-10
2182	438388.2	3725121	7.84E-09	1.70E-09	9.54E-09	1.55E-09	2.14E-10	1.76E-09	8.32E-09	9.92E-10	9.32E-09	8.57E-10	7.25E-11	9.30E-10
2183	438389.1	3725130	7.87E-09	1.71E-09	9.58E-09	1.56E-09	2.15E-10	1.77E-09	8.36E-09	9.97E-10	9.36E-09	8.61E-10	7.28E-11	9.34E-10
2184	438394.9	3725185	7.94E-09	1.72E-09	9.66E-09	1.57E-09	2.17E-10	1.78E-09	8.43E-09	1.01E-09	9.44E-09	8.68E-10	7.34E-11	9.42E-10
2185	438395.9	3725194	7.93E-09	1.72E-09	9.65E-09	1.57E-09	2.16E-10	1.78E-09	8.42E-09	1.00E-09	9.43E-09	8.67E-10	7.33E-11	9.41E-10
2186	438396.9	3725204	7.92E-09	1.72E-09	9.64E-09	1.56E-09	2.16E-10	1.78E-09	8.41E-09	1.00E-09	9.41E-09	8.66E-10	7.32E-11	9.39E-10
2187	438397.8	3725213	7.89E-09	1.71E-09	9.60E-09	1.56E-09	2.15E-10	1.77E-09	8.38E-09	9.99E-10	9.38E-09	8.63E-10	7.30E-11	9.36E-10
2188	438409.5	3725323	7.85E-09	1.71E-09	9.56E-09	1.55E-09	2.14E-10	1.77E-09	8.34E-09	9.95E-10	9.34E-09	8.59E-10	7.26E-11	9.32E-10
2189	438410.4	3725332	7.87E-09	1.71E-09	9.58E-09	1.55E-09	2.15E-10	1.77E-09	8.36E-09	9.97E-10	9.36E-09	8.61E-10	7.28E-11	9.34E-10
2190	438415.3	3725378	7.82E-09	1.70E-09	9.52E-09	1.54E-09	2.13E-10	1.76E-09	8.30E-09	9.90E-10	9.29E-09	8.55E-10	7.23E-11	9.27E-10
2191	438416.2	3725387	7.79E-09	1.69E-09	9.48E-09	1.54E-09	2.13E-10	1.75E-09	8.27E-09	9.86E-10	9.26E-09	8.52E-10	7.20E-11	9.24E-10
2192	438417.2	3725396	7.75E-09	1.68E-09	9.44E-09	1.53E-09	2.12E-10	1.74E-09	8.23E-09	9.82E-10	9.22E-09	8.48E-10	7.17E-11	9.20E-10
2193	438418.2	3725406	7.71E-09	1.68E-09	9.39E-09	1.52E-09	2.10E-10	1.73E-09	8.19E-09	9.77E-10	9.17E-09	8.44E-10	7.13E-11	9.15E-10
2194	438420.4	3725073	6.82E-09	1.48E-09	8.30E-09	1.35E-09	1.86E-10	1.53E-09	7.24E-09	8.63E-10	8.11E-09	7.46E-10	6.31E-11	8.09E-10
2195	438421.4	3725082	6.87E-09	1.49E-09	8.36E-09	1.36E-09	1.87E-10	1.54E-09	7.30E-09	8.70E-10	8.17E-09	7.51E-10	6.35E-11	8.15E-10
2196	438422.3	3725091	6.91E-09	1.50E-09	8.42E-09	1.37E-09	1.89E-10	1.55E-09	7.34E-09	8.76E-10	8.22E-09	7.56E-10	6.40E-11	8.20E-10
2197	438423.3	3725100	6.96E-09	1.51E-09	8.47E-09	1.37E-09	1.90E-10	1.56E-09	7.39E-09	8.81E-10	8.27E-09	7.61E-10	6.43E-11	8.25E-10
2198	438424.2	3725109	7.00E-09	1.52E-09	8.52E-09	1.38E-09	1.91E-10	1.57E-09	7.43E-09	8.86E-10	8.32E-09	7.65E-10	6.47E-11	8.30E-10
2199	438425.2	3725118	7.03E-09	1.53E-09	8.56E-09	1.39E-09	1.92E-10	1.58E-09	7.47E-09	8.90E-10	8.36E-09	7.69E-10	6.50E-11	8.34E-10
2200	438430	3725163	7.11E-09	1.55E-09	8.66E-09	1.41E-09	1.94E-10	1.60E-09	7.56E-09	9.01E-10	8.46E-09	7.78E-10	6.58E-11	8.44E-10

2201	438430.9	3725172	7.12E-09	1.55E-09	8.67E-09	1.41E-09	1.94E-10	1.60E-09	7.56E-09	9.02E-10	8.47E-09	7.79E-10	6.59E-11	8.45E-10
2202	438431.9	3725182	7.12E-09	1.55E-09	8.67E-09	1.41E-09	1.94E-10	1.60E-09	7.56E-09	9.02E-10	8.46E-09	7.79E-10	6.59E-11	8.45E-10
2203	438432.8	3725191	7.11E-09	1.55E-09	8.66E-09	1.40E-09	1.94E-10	1.60E-09	7.55E-09	9.01E-10	8.46E-09	7.78E-10	6.58E-11	8.44E-10
2204	438433.8	3725200	7.10E-09	1.54E-09	8.64E-09	1.40E-09	1.94E-10	1.60E-09	7.54E-09	8.99E-10	8.44E-09	7.77E-10	6.57E-11	8.43E-10
2205	438434.7	3725209	7.09E-09	1.54E-09	8.63E-09	1.40E-09	1.93E-10	1.59E-09	7.53E-09	8.98E-10	8.43E-09	7.75E-10	6.56E-11	8.41E-10
2206	438435.7	3725218	7.07E-09	1.54E-09	8.61E-09	1.40E-09	1.93E-10	1.59E-09	7.51E-09	8.96E-10	8.41E-09	7.74E-10	6.54E-11	8.39E-10
2207	438436.6	3725227	7.06E-09	1.53E-09	8.59E-09	1.39E-09	1.93E-10	1.59E-09	7.49E-09	8.93E-10	8.39E-09	7.72E-10	6.53E-11	8.37E-10
2208	438453.9	3725390	6.95E-09	1.51E-09	8.46E-09	1.37E-09	1.90E-10	1.56E-09	7.38E-09	8.80E-10	8.26E-09	7.60E-10	6.43E-11	8.24E-10
2209	438454.8	3725399	6.92E-09	1.50E-09	8.42E-09	1.37E-09	1.89E-10	1.56E-09	7.35E-09	8.76E-10	8.22E-09	7.57E-10	6.40E-11	8.21E-10
2210	438455.8	3725408	6.89E-09	1.50E-09	8.38E-09	1.36E-09	1.88E-10	1.55E-09	7.32E-09	8.72E-10	8.19E-09	7.53E-10	6.37E-11	8.17E-10
2211	438456.7	3725417	6.85E-09	1.49E-09	8.34E-09	1.35E-09	1.87E-10	1.54E-09	7.28E-09	8.68E-10	8.15E-09	7.50E-10	6.34E-11	8.13E-10
2212	438457.7	3725426	6.81E-09	1.48E-09	8.30E-09	1.35E-09	1.86E-10	1.53E-09	7.24E-09	8.63E-10	8.10E-09	7.45E-10	6.30E-11	8.09E-10
2213	438458.6	3725435	6.77E-09	1.47E-09	8.24E-09	1.34E-09	1.85E-10	1.52E-09	7.19E-09	8.58E-10	8.05E-09	7.41E-10	6.26E-11	8.04E-10
2214	438455.8	3725055	6.09E-09	1.32E-09	7.41E-09	1.20E-09	1.66E-10	1.37E-09	6.47E-09	7.71E-10	7.24E-09	6.66E-10	5.63E-11	7.23E-10
2215	438456.8	3725064	6.13E-09	1.33E-09	7.47E-09	1.21E-09	1.67E-10	1.38E-09	6.52E-09	7.77E-10	7.29E-09	6.71E-10	5.67E-11	7.28E-10
2216	438457.7	3725073	6.18E-09	1.34E-09	7.52E-09	1.22E-09	1.69E-10	1.39E-09	6.56E-09	7.82E-10	7.34E-09	6.76E-10	5.71E-11	7.33E-10
2217	438458.7	3725082	6.21E-09	1.35E-09	7.56E-09	1.23E-09	1.70E-10	1.40E-09	6.60E-09	7.87E-10	7.39E-09	6.80E-10	5.75E-11	7.37E-10
2218	438459.6	3725091	6.25E-09	1.36E-09	7.61E-09	1.23E-09	1.70E-10	1.40E-09	6.64E-09	7.91E-10	7.43E-09	6.84E-10	5.78E-11	7.41E-10
2219	438460.6	3725100	6.28E-09	1.36E-09	7.64E-09	1.24E-09	1.71E-10	1.41E-09	6.67E-09	7.95E-10	7.47E-09	6.87E-10	5.81E-11	7.45E-10
2220	438461.6	3725109	6.31E-09	1.37E-09	7.68E-09	1.25E-09	1.72E-10	1.42E-09	6.70E-09	7.99E-10	7.50E-09	6.90E-10	5.84E-11	7.49E-10
2221	438467.3	3725164	6.42E-09	1.40E-09	7.82E-09	1.27E-09	1.75E-10	1.44E-09	6.82E-09	8.13E-10	7.63E-09	7.02E-10	5.94E-11	7.62E-10
2222	438468.3	3725173	6.42E-09	1.40E-09	7.82E-09	1.27E-09	1.75E-10	1.44E-09	6.82E-09	8.13E-10	7.64E-09	7.03E-10	5.94E-11	7.62E-10
2223	438469.2	3725182	6.43E-09	1.40E-09	7.82E-09	1.27E-09	1.75E-10	1.44E-09	6.83E-09	8.14E-10	7.64E-09	7.03E-10	5.94E-11	7.62E-10
2224	438470.2	3725191	6.43E-09	1.40E-09	7.82E-09	1.27E-09	1.75E-10	1.44E-09	6.83E-09	8.14E-10	7.64E-09	7.03E-10	5.94E-11	7.62E-10
2225	438471.2	3725200	6.43E-09	1.40E-09	7.82E-09	1.27E-09	1.75E-10	1.44E-09	6.82E-09	8.14E-10	7.64E-09	7.03E-10	5.94E-11	7.62E-10
2226	438472.1	3725209	6.41E-09	1.39E-09	7.81E-09	1.27E-09	1.75E-10	1.44E-09	6.81E-09	8.12E-10	7.62E-09	7.02E-10	5.93E-11	7.61E-10
2227	438476.9	3725255	6.23E-09	1.35E-09	7.59E-09	1.23E-09	1.70E-10	1.40E-09	6.62E-09	7.89E-10	7.41E-09	6.82E-10	5.77E-11	7.40E-10
2228	438477.9	3725264	6.19E-09	1.35E-09	7.54E-09	1.22E-09	1.69E-10	1.39E-09	6.58E-09	7.84E-10	7.36E-09	6.77E-10	5.73E-11	7.35E-10
2229	438478.8	3725273	6.18E-09	1.34E-09	7.52E-09	1.22E-09	1.69E-10	1.39E-09	6.56E-09	7.83E-10	7.35E-09	6.76E-10	5.72E-11	7.33E-10
2230	438479.8	3725282	6.18E-09	1.34E-09	7.52E-09	1.22E-09	1.68E-10	1.39E-09	6.56E-09	7.82E-10	7.34E-09	6.76E-10	5.71E-11	7.33E-10
2231	438480.8	3725291	6.17E-09	1.34E-09	7.51E-09	1.22E-09	1.68E-10	1.39E-09	6.55E-09	7.81E-10	7.33E-09	6.75E-10	5.70E-11	7.32E-10
2232	438493.2	3725410	6.18E-09	1.34E-09	7.52E-09	1.22E-09	1.69E-10	1.39E-09	6.56E-09	7.82E-10	7.35E-09	6.76E-10	5.72E-11	7.33E-10
2233	438494.2	3725419	6.15E-09	1.34E-09	7.48E-09	1.21E-09	1.68E-10	1.38E-09	6.53E-09	7.79E-10	7.31E-09	6.73E-10	5.69E-11	7.30E-10
2234	438495.2	3725428	6.12E-09	1.33E-09	7.45E-09	1.21E-09	1.67E-10	1.38E-09	6.50E-09	7.75E-10	7.28E-09	6.70E-10	5.66E-11	7.26E-10
2235	438492.1	3725046	5.47E-09	1.19E-09	6.66E-09	1.08E-09	1.49E-10	1.23E-09	5.81E-09	6.93E-10	6.50E-09	5.98E-10	5.06E-11	6.49E-10
2236	438493.1	3725055	5.51E-09	1.20E-09	6.70E-09	1.09E-09	1.50E-10	1.24E-09	5.85E-09	6.97E-10	6.55E-09	6.02E-10	5.09E-11	6.53E-10
2237	438494.1	3725064	5.54E-09	1.20E-09	6.75E-09	1.09E-09	1.51E-10	1.25E-09	5.89E-09	7.02E-10	6.59E-09	6.06E-10	5.13E-11	6.58E-10
2238	438495	3725073	5.58E-09	1.21E-09	6.79E-09	1.10E-09	1.52E-10	1.25E-09	5.93E-09	7.06E-10	6.63E-09	6.10E-10	5.16E-11	6.62E-10
2239	438496	3725082	5.61E-09	1.22E-09	6.83E-09	1.11E-09	1.53E-10	1.26E-09	5.96E-09	7.11E-10	6.67E-09	6.14E-10	5.19E-11	6.66E-10
2240	438497	3725091	5.64E-09	1.23E-09	6.87E-09	1.11E-09	1.54E-10	1.27E-09	5.99E-09	7.14E-10	6.71E-09	6.17E-10	5.22E-11	6.69E-10
2241	438497.9	3725100	5.67E-09	1.23E-09	6.90E-09	1.12E-09	1.55E-10	1.27E-09	6.02E-09	7.18E-10	6.74E-09	6.20E-10	5.24E-11	6.73E-10
2242	438502.8	3725146	5.81E-09	1.26E-09	7.07E-09	1.15E-09	1.58E-10	1.31E-09	6.17E-09	7.35E-10	6.90E-09	6.35E-10	5.37E-11	6.89E-10
2243	438503.7	3725155	5.82E-09	1.26E-09	7.08E-09	1.15E-09	1.59E-10	1.31E-09	6.18E-09	7.36E-10	6.91E-09	6.36E-10	5.38E-11	6.90E-10
2244	438504.7	3725164	5.82E-09	1.26E-09	7.09E-09	1.15E-09	1.59E-10	1.31E-09	6.18E-09	7.37E-10	6.92E-09	6.37E-10	5.38E-11	6.91E-10
2245	438505.6	3725174	5.83E-09	1.27E-09	7.09E-09	1.15E-09	1.59E-10	1.31E-09	6.19E-09	7.38E-10	6.93E-09	6.37E-10	5.39E-11	6.91E-10
2246	438506.6	3725183	5.84E-09	1.27E-09	7.11E-09	1.15E-09	1.59E-10	1.31E-09	6.20E-09	7.39E-10	6.94E-09	6.39E-10	5.40E-11	6.93E-10
2247	438507.6	3725192	5.85E-09	1.27E-09	7.13E-09	1.16E-09	1.60E-10	1.32E-09	6.22E-09	7.41E-10	6.96E-09	6.40E-10	5.41E-11	6.94E-10
2248	438508.5	3725201	5.87E-09	1.27E-09	7.14E-09	1.16E-09	1.60E-10	1.32E-09	6.23E-09	7.43E-10	6.98E-09	6.42E-10	5.43E-11	6.96E-10
2249	438514.3	3725256	5.68E-09	1.23E-09	6.91E-09	1.12E-09	1.55E-10	1.28E-09	6.03E-09	7.19E-10	6.75E-09	6.21E-10	5.25E-11	6.73E-10
2250	438515.3	3725265	5.65E-09	1.23E-09	6.87E-09	1.12E-09	1.54E-10	1.27E-09	6.00E-09	7.15E-10	6.71E-09	6.18E-10	5.22E-11	6.70E-10
2251	438516.3	3725274	5.63E-09	1.22E-09	6.85E-09	1.11E-09	1.54E-10	1.26E-09	5.98E-09	7.13E-10	6.69E-09	6.16E-10	5.20E-11	6.68E-10
2252	438517.2	3725283	5.61E-09	1.22E-09	6.83E-09	1.11E-09	1.53E-10	1.26E-09	5.96E-09	7.10E-10	6.67E-09	6.14E-10	5.19E-11	6.65E-10
2253	438518.2	3725292	5.59E-09	1.21E-09	6.80E-09	1.10E-09	1.52E-10	1.26E-09	5.94E-09	7.08E-10	6.64E-09	6.11E-10	5.17E-11	6.63E-10
2254	438519.1	3725302	5.58E-09	1.21E-09	6.79E-09	1.10E-09	1.52E-10	1.25E-09	5.92E-09	7.06E-10	6.63E-09	6.10E-10	5.16E-11	6.62E-10
2255	438527.5	3725027	4.92E-09	1.07E-09	5.99E-09	9.73E-10	1.34E-10	1.11E-09	5.23E-09	6.24E-10	5.85E-09	5.39E-10	4.55E-11	5.84E-10
2256	438528.5	3725037	4.96E-09	1.08E-09	6.03E-09	9.79E-10	1.35E-10	1.11E-09	5.26E-09	6.28E-10	5.89E-09	5.42E-10	4.58E-11	5.88E-10
2257	438529.5	3725046	4.99E-09	1.08E-09	6.07E-09	9.85E-10	1.36E-10	1.12E-09	5.30E-09	6.31E-10	5.93E-09	5.45E-10	4.61E-11	5.92E-10
2258	438530.4	3725055	5.01E-09	1.09E-09	6.10E-09	9.90E-10	1.37E-10	1.13E-09	5.33E-09	6.35E-10	5.96E-09	5.48E-10	4.64E-11	5.95E-10
2259	438531.4	3725064	5.04E-09	1.10E-09	6.14E-09	9.96E-10	1.38E-10	1.13E-09	5.35E-09	6.38E-10	5.99E-09	5.51E-10	4.66E-11	5.98E-10
2260	438532.4	3725073	5.07E-09	1.10E-09	6.17E-09	1.00E-09	1.38E-10	1.14E-09	5.38E-09	6.42E-10	6.02E-09	5.54E-10	4.69E-11	6.01E-10
2261	438533.3	3725082	5.09E-09	1.11E-09	6.20E-09	1.01E-09	1.39E-10	1.14E-09	5.41E-09	6.45E-10	6.05E-09	5.57E-10	4.71E-11	6.04E-10
2262	438534.3	3725092	5.12E-09	1.11E-09	6.23E-09	1.01E-09	1.40E-10	1.15E-09	5.44E-09	6.48E-10	6.09E-09	5.60E-10	4.74E-11	6.07E-10
2263	438539.2	3725137	5.26E-09	1.14E-09	6.41E-09	1.04E-09	1.44E-10	1.18E-09	5.59E-09	6.67E-10	6.26E-09	5.76E-10	4.87E-11	6.24E-10
2264	438540.1	3725147	5.29E-09	1.15E-09	6.44E-09	1.04E-09	1.44E-10	1.19E-09	5.62E-09	6.70E-10	6.29E-09	5.79E-10	4.89E-11	6.27E-10
2265	438541.1	3725156	5.31E-09	1.15E-09	6.46E-09	1.05E-09	1.45E-10	1.19E-09	5.64E-09	6.72E-10	6.31E-09	5.80E-10	4.91E-11	6.29E-10
2266	438542.1	3725165	5.32E-09	1.16E-09	6.48E-09	1.05E-09	1.45E-10	1.20E-09	5.65E-09	6.74E-10	6.33E-09	5.82E-10	4.92E-11	6.31E-10
2267	438543	3725174	5.34E-09	1.16E-09	6.50E-09	1.05E-09	1.46E-10	1.20E-09	5.67E-09	6.76E-10	6.34E-09	5.84E-10	4.94E-11	6.33E-10
2268	438544	3725183	5.34E-09	1.16E-09	6.50E-09	1.06E-09	1.46E-10	1.20E-09	5.67E-09	6.76E-10	6.35E-09	5.84E-10	4.94E-11	6.34E-10
2269	438545	3725193	5.34E-09	1.16E-09	6.50E-09	1.06E-09	1.46E-10	1.20E-09	5.67E-09	6.76E-10	6.35E-09	5.84E-10	4.94E-11	6.34E-10
2270	438549.8	3725238	5.28E-09	1.15E-09	6.43E-09	1.04E-09	1.44E-10	1.19E-09	5.61E-09	6.69E-10	6.28E-09	5.78E-10	4.88E-11	6.27E-10
2271	438550.8	3725248	5.25E-09	1.14E-09	6.39E-09	1.04E-09	1.43E-10	1.18E-09	5.57E-09	6.65E-10	6.24E-09	5.74E-10	4.85E-11	6.23E-10
2272	438551.7	3725257	5.22E-09	1.13E-09	6.35E-09	1.03E-09	1.42E-10	1.17E-09	5.54E-09	6.61E-10	6.20E-09	5.71E-10	4.82E-11	6.19E-10
2273	438552.7	3725266	5.18E-09	1.13E-09	6.31E-09	1.02E-09	1.41E-10	1.17E-09	5.51E-09	6.56E-10	6.16E-09	5.67E-10	4.79E-11	6.15E-10
2274	438553.7	3725275	5.14E-09	1.12E-09	6.26E-09	1.02E-09	1.40E-10	1.16E-09	5.46E-09	6.51E-10	6.11E-09	5.62E-10	4.75E-11	6.10E-10
2275	438554.6	3725284	5.10E-09	1.11E-09	6.21E-09	1.01E-09	1.39E-10	1.15E-09	5.42E-09	6.46E-10	6.06E-09	5.58E-10	4.72E-11	6.05E-10
2276	438555.6	3725294	5.06E-09	1.10E-09	6.16E-09	9.99E-10	1.38E-10	1.14E-09	5.37E-09	6.40E-10	6.01E-09	5.53E-10	4.68E-11	6.00E-10

2277	438561.4	3725349	5.05E-09	1.10E-09	6.15E-09	9.98E-10	1.38E-10	1.14E-09	5.37E-09	6.40E-10	6.01E-09	5.53E-10	4.67E-11	6.00E-10
2278	438564.9	3725028	4.50E-09	9.77E-10	5.48E-09	8.89E-10	1.23E-10	1.01E-09	4.78E-09	5.70E-10	5.35E-09	4.92E-10	4.16E-11	5.34E-10
2279	438565.8	3725037	4.52E-09	9.83E-10	5.51E-09	8.94E-10	1.23E-10	1.02E-09	4.81E-09	5.73E-10	5.38E-09	4.95E-10	4.18E-11	5.37E-10
2280	438566.8	3725046	4.55E-09	9.88E-10	5.54E-09	8.98E-10	1.24E-10	1.02E-09	4.83E-09	5.76E-10	5.41E-09	4.97E-10	4.21E-11	5.40E-10
2281	438567.8	3725055	4.57E-09	9.93E-10	5.56E-09	9.02E-10	1.25E-10	1.03E-09	4.85E-09	5.79E-10	5.43E-09	5.00E-10	4.23E-11	5.42E-10
2282	438568.7	3725064	4.60E-09	9.99E-10	5.60E-09	9.08E-10	1.25E-10	1.03E-09	4.88E-09	5.82E-10	5.46E-09	5.03E-10	4.25E-11	5.45E-10
2283	438569.7	3725074	4.62E-09	1.00E-09	5.63E-09	9.13E-10	1.26E-10	1.04E-09	4.91E-09	5.86E-10	5.50E-09	5.06E-10	4.28E-11	5.49E-10
2284	438575.5	3725129	4.79E-09	1.04E-09	5.83E-09	9.46E-10	1.31E-10	1.08E-09	5.09E-09	6.06E-10	5.69E-09	5.24E-10	4.43E-11	5.68E-10
2285	438576.5	3725138	4.82E-09	1.05E-09	5.87E-09	9.52E-10	1.31E-10	1.08E-09	5.12E-09	6.10E-10	5.73E-09	5.27E-10	4.46E-11	5.72E-10
2286	438577.5	3725147	4.85E-09	1.05E-09	5.90E-09	9.58E-10	1.32E-10	1.09E-09	5.15E-09	6.14E-10	5.76E-09	5.30E-10	4.48E-11	5.75E-10
2287	438578.5	3725156	4.87E-09	1.06E-09	5.93E-09	9.62E-10	1.33E-10	1.09E-09	5.17E-09	6.17E-10	5.79E-09	5.33E-10	4.50E-11	5.78E-10
2288	438579.4	3725166	4.89E-09	1.06E-09	5.95E-09	9.66E-10	1.33E-10	1.10E-09	5.19E-09	6.19E-10	5.81E-09	5.35E-10	4.52E-11	5.80E-10
2289	438580.4	3725175	4.91E-09	1.07E-09	5.98E-09	9.70E-10	1.34E-10	1.10E-09	5.21E-09	6.22E-10	5.84E-09	5.37E-10	4.54E-11	5.82E-10
2290	438581.4	3725184	4.91E-09	1.07E-09	5.98E-09	9.70E-10	1.34E-10	1.10E-09	5.21E-09	6.22E-10	5.84E-09	5.37E-10	4.54E-11	5.82E-10
2291	438586.2	3725230	4.86E-09	1.05E-09	5.91E-09	9.59E-10	1.32E-10	1.09E-09	5.16E-09	6.15E-10	5.77E-09	5.31E-10	4.49E-11	5.76E-10
2292	438587.2	3725239	4.83E-09	1.05E-09	5.88E-09	9.55E-10	1.32E-10	1.09E-09	5.13E-09	6.12E-10	5.75E-09	5.29E-10	4.47E-11	5.73E-10
2293	438588.2	3725249	4.81E-09	1.04E-09	5.85E-09	9.49E-10	1.31E-10	1.08E-09	5.10E-09	6.09E-10	5.71E-09	5.26E-10	4.44E-11	5.70E-10
2294	438589.1	3725258	4.78E-09	1.04E-09	5.82E-09	9.44E-10	1.30E-10	1.07E-09	5.07E-09	6.05E-10	5.68E-09	5.23E-10	4.42E-11	5.67E-10
2295	438590.1	3725267	4.75E-09	1.03E-09	5.78E-09	9.38E-10	1.30E-10	1.07E-09	5.04E-09	6.01E-10	5.64E-09	5.19E-10	4.39E-11	5.63E-10
2296	438591.1	3725276	4.71E-09	1.02E-09	5.73E-09	9.31E-10	1.29E-10	1.06E-09	5.00E-09	5.97E-10	5.60E-09	5.15E-10	4.36E-11	5.59E-10
2297	438592.1	3725285	4.68E-09	1.02E-09	5.69E-09	9.23E-10	1.28E-10	1.05E-09	4.97E-09	5.92E-10	5.56E-09	5.11E-10	4.32E-11	5.55E-10
2298	438596.9	3725331	4.58E-09	9.95E-10	5.57E-09	9.05E-10	1.25E-10	1.03E-09	4.86E-09	5.80E-10	5.44E-09	5.01E-10	4.24E-11	5.43E-10
2299	438597.9	3725341	4.58E-09	9.95E-10	5.57E-09	9.04E-10	1.25E-10	1.03E-09	4.86E-09	5.80E-10	5.44E-09	5.01E-10	4.23E-11	5.43E-10
2300	438598.8	3725350	4.58E-09	9.94E-10	5.57E-09	9.04E-10	1.25E-10	1.03E-09	4.86E-09	5.79E-10	5.44E-09	5.01E-10	4.23E-11	5.43E-10
2301	438599.8	3725359	4.58E-09	9.95E-10	5.57E-09	9.04E-10	1.25E-10	1.03E-09	4.86E-09	5.80E-10	5.44E-09	5.01E-10	4.23E-11	5.43E-10
2302	438604.7	3725405	4.63E-09	1.01E-09	5.64E-09	9.15E-10	1.26E-10	1.04E-09	4.92E-09	5.87E-10	5.51E-09	5.07E-10	4.28E-11	5.50E-10
2303	438605.6	3725414	4.64E-09	1.01E-09	5.65E-09	9.17E-10	1.27E-10	1.04E-09	4.93E-09	5.88E-10	5.52E-09	5.08E-10	4.29E-11	5.51E-10
2304	438606.6	3725424	4.63E-09	1.01E-09	5.64E-09	9.15E-10	1.26E-10	1.04E-09	4.92E-09	5.87E-10	5.51E-09	5.07E-10	4.28E-11	5.50E-10
2305	438607.6	3725433	4.62E-09	1.00E-09	5.62E-09	9.13E-10	1.26E-10	1.04E-09	4.91E-09	5.85E-10	5.49E-09	5.05E-10	4.27E-11	5.48E-10
2306	438608.6	3725442	4.61E-09	1.00E-09	5.61E-09	9.10E-10	1.26E-10	1.04E-09	4.90E-09	5.84E-10	5.48E-09	5.04E-10	4.26E-11	5.47E-10
2307	438604.8	3725053	4.16E-09	9.04E-10	5.07E-09	8.22E-10	1.14E-10	9.35E-10	4.42E-09	5.27E-10	4.95E-09	4.55E-10	3.85E-11	4.94E-10
2308	438605.8	3725062	4.19E-09	9.09E-10	5.10E-09	8.27E-10	1.14E-10	9.41E-10	4.45E-09	5.30E-10	4.98E-09	4.58E-10	3.87E-11	4.97E-10
2309	438606.7	3725071	4.22E-09	9.17E-10	5.14E-09	8.34E-10	1.15E-10	9.49E-10	4.48E-09	5.34E-10	5.02E-09	4.62E-10	3.90E-11	5.01E-10
2310	438611.5	3725116	4.36E-09	9.47E-10	5.31E-09	8.61E-10	1.19E-10	9.80E-10	4.63E-09	5.52E-10	5.18E-09	4.77E-10	4.03E-11	5.17E-10
2311	438612.5	3725126	4.38E-09	9.52E-10	5.33E-09	8.66E-10	1.20E-10	9.85E-10	4.66E-09	5.55E-10	5.21E-09	4.79E-10	4.05E-11	5.20E-10
2312	438613.5	3725135	4.40E-09	9.57E-10	5.36E-09	8.70E-10	1.20E-10	9.90E-10	4.68E-09	5.58E-10	5.24E-09	4.82E-10	4.07E-11	5.23E-10
2313	438614.4	3725144	4.42E-09	9.61E-10	5.39E-09	8.74E-10	1.21E-10	9.95E-10	4.70E-09	5.60E-10	5.26E-09	4.84E-10	4.09E-11	5.25E-10
2314	438615.4	3725153	4.45E-09	9.66E-10	5.41E-09	8.78E-10	1.21E-10	9.99E-10	4.72E-09	5.63E-10	5.29E-09	4.86E-10	4.11E-11	5.28E-10
2315	438616.4	3725162	4.47E-09	9.71E-10	5.44E-09	8.83E-10	1.22E-10	1.00E-09	4.75E-09	5.66E-10	5.31E-09	4.89E-10	4.13E-11	5.30E-10
2316	438623.1	3725226	4.49E-09	9.75E-10	5.46E-09	8.86E-10	1.22E-10	1.01E-09	4.76E-09	5.68E-10	5.33E-09	4.91E-10	4.15E-11	5.32E-10
2317	438624	3725235	4.47E-09	9.71E-10	5.44E-09	8.83E-10	1.22E-10	1.00E-09	4.75E-09	5.66E-10	5.31E-09	4.89E-10	4.13E-11	5.30E-10
2318	438625	3725244	4.45E-09	9.66E-10	5.41E-09	8.79E-10	1.21E-10	1.00E-09	4.72E-09	5.63E-10	5.29E-09	4.87E-10	4.11E-11	5.28E-10
2319	438626	3725253	4.42E-09	9.61E-10	5.39E-09	8.74E-10	1.21E-10	9.95E-10	4.70E-09	5.60E-10	5.26E-09	4.84E-10	4.09E-11	5.25E-10
2320	438626.9	3725262	4.40E-09	9.56E-10	5.36E-09	8.69E-10	1.20E-10	9.90E-10	4.68E-09	5.57E-10	5.23E-09	4.82E-10	4.07E-11	5.22E-10
2321	438627.9	3725271	4.37E-09	9.50E-10	5.32E-09	8.64E-10	1.19E-10	9.83E-10	4.64E-09	5.54E-10	5.20E-09	4.78E-10	4.04E-11	5.19E-10
2322	438633.6	3725326	4.20E-09	9.12E-10	5.11E-09	8.29E-10	1.15E-10	9.43E-10	4.46E-09	5.31E-10	4.99E-09	4.59E-10	3.88E-11	4.98E-10
2323	438634.6	3725335	4.19E-09	9.10E-10	5.10E-09	8.28E-10	1.14E-10	9.42E-10	4.45E-09	5.31E-10	4.98E-09	4.58E-10	3.88E-11	4.97E-10
2324	438635.6	3725344	4.18E-09	9.09E-10	5.09E-09	8.26E-10	1.14E-10	9.40E-10	4.44E-09	5.30E-10	4.97E-09	4.58E-10	3.87E-11	4.96E-10
2325	438636.5	3725353	4.18E-09	9.07E-10	5.08E-09	8.25E-10	1.14E-10	9.39E-10	4.44E-09	5.29E-10	4.96E-09	4.57E-10	3.86E-11	4.95E-10
2326	438641.3	3725399	4.21E-09	9.16E-10	5.13E-09	8.32E-10	1.15E-10	9.47E-10	4.48E-09	5.34E-10	5.01E-09	4.61E-10	3.90E-11	5.00E-10
2327	438642.3	3725408	4.23E-09	9.19E-10	5.15E-09	8.36E-10	1.15E-10	9.51E-10	4.50E-09	5.36E-10	5.03E-09	4.63E-10	3.91E-11	5.02E-10
2328	438643.3	3725417	4.25E-09	9.23E-10	5.17E-09	8.39E-10	1.16E-10	9.55E-10	4.51E-09	5.38E-10	5.05E-09	4.65E-10	3.93E-11	5.04E-10
2329	438644.2	3725426	4.25E-09	9.23E-10	5.17E-09	8.39E-10	1.16E-10	9.55E-10	4.51E-09	5.38E-10	5.05E-09	4.65E-10	3.93E-11	5.04E-10
2330	438645.2	3725435	4.25E-09	9.24E-10	5.18E-09	8.40E-10	1.16E-10	9.56E-10	4.52E-09	5.39E-10	5.06E-09	4.65E-10	3.93E-11	5.05E-10
2331	438646.1	3725445	4.26E-09	9.25E-10	5.18E-09	8.41E-10	1.16E-10	9.57E-10	4.52E-09	5.39E-10	5.06E-09	4.66E-10	3.94E-11	5.05E-10
2332	438646	3725089	3.96E-09	8.59E-10	4.81E-09	7.81E-10	1.08E-10	8.89E-10	4.20E-09	5.01E-10	4.70E-09	4.33E-10	3.66E-11	4.69E-10
2333	438647	3725099	3.98E-09	8.64E-10	4.84E-09	7.86E-10	1.09E-10	8.94E-10	4.23E-09	5.04E-10	4.73E-09	4.35E-10	3.68E-11	4.72E-10
2334	438647.9	3725108	4.00E-09	8.69E-10	4.87E-09	7.90E-10	1.09E-10	8.99E-10	4.25E-09	5.07E-10	4.76E-09	4.38E-10	3.70E-11	4.75E-10
2335	438648.9	3725117	4.02E-09	8.74E-10	4.89E-09	7.94E-10	1.10E-10	9.04E-10	4.27E-09	5.09E-10	4.78E-09	4.40E-10	3.72E-11	4.77E-10
2336	438649.9	3725126	4.04E-09	8.77E-10	4.91E-09	7.97E-10	1.10E-10	9.07E-10	4.29E-09	5.11E-10	4.80E-09	4.41E-10	3.73E-11	4.79E-10
2337	438650.8	3725135	4.05E-09	8.79E-10	4.93E-09	7.99E-10	1.10E-10	9.10E-10	4.30E-09	5.13E-10	4.81E-09	4.43E-10	3.74E-11	4.80E-10
2338	438651.8	3725144	4.06E-09	8.82E-10	4.94E-09	8.02E-10	1.11E-10	9.13E-10	4.31E-09	5.14E-10	4.83E-09	4.44E-10	3.75E-11	4.82E-10
2339	438652.8	3725153	4.07E-09	8.85E-10	4.96E-09	8.05E-10	1.11E-10	9.16E-10	4.33E-09	5.16E-10	4.84E-09	4.46E-10	3.77E-11	4.83E-10
2340	438653.7	3725163	4.09E-09	8.88E-10	4.97E-09	8.07E-10	1.12E-10	9.19E-10	4.34E-09	5.17E-10	4.86E-09	4.47E-10	3.78E-11	4.85E-10
2341	438658.5	3725208	4.17E-09	9.05E-10	5.07E-09	8.23E-10	1.14E-10	9.36E-10	4.42E-09	5.27E-10	4.95E-09	4.56E-10	3.85E-11	4.94E-10
2342	438659.5	3725217	4.16E-09	9.03E-10	5.06E-09	8.21E-10	1.13E-10	9.34E-10	4.41E-09	5.26E-10	4.94E-09	4.55E-10	3.84E-11	4.93E-10
2343	438660.5	3725227	4.15E-09	9.01E-10	5.05E-09	8.19E-10	1.13E-10	9.32E-10	4.40E-09	5.25E-10	4.93E-09	4.54E-10	3.84E-11	4.92E-10
2344	438661.4	3725236	4.14E-09	8.99E-10	5.04E-09	8.17E-10	1.13E-10	9.30E-10	4.39E-09	5.24E-10	4.92E-09	4.53E-10	3.83E-11	4.91E-10
2345	438662.4	3725245	4.12E-09	8.95E-10	5.01E-09	8.14E-10	1.12E-10	9.26E-10	4.38E-09	5.22E-10	4.90E-09	4.51E-10	3.81E-11	4.89E-10
2346	438663.4	3725254	4.10E-09	8.91E-10	4.99E-09	8.10E-10	1.12E-10	9.22E-10	4.36E-09	5.19E-10	4.87E-09	4.49E-10	3.79E-11	4.86E-10
2347	438664.3	3725263	4.08E-09	8.87E-10	4.97E-09	8.06E-10	1.11E-10	9.17E-10	4.33E-09	5.17E-10	4.85E-09	4.46E-10	3.77E-11	4.84E-10
2348	438670.1	3725318	3.92E-09	8.52E-10	4.77E-09	7.75E-10	1.07E-10	8.82E-10	4.17E-09	4.97E-10	4.66E-09	4.29E-10	3.63E-11	4.65E-10
2349	438671.1	3725327	3.90E-09	8.47E-10	4.75E-09	7.70E-10	1.06E-10	8.77E-10	4.14E-09	4.94E-10	4.64E-09	4.27E-10	3.61E-11	4.63E-10
2350	438672	3725336	3.89E-09	8.45E-10	4.73E-09	7.68E-10	1.06E-10	8.74E-10	4.13E-09	4.92E-10	4.62E-09	4.25E-10	3.60E-11	4.61E-10
2351	438673	3725345	3.88E-09	8.42E-10	4.72E-09	7.66E-10	1.06E-10	8.72E-10	4.12E-09	4.91E-10	4.61E-09	4.24E-10	3.59E-11	4.60E-10
2352	438674	3725355	3.87E-09	8.40E-10	4.70E-09	7.63E-10	1.05E-10	8.69E-10	4.11E-09	4.89E-10	4.59E-09	4.23E-10	3.57E-11	4.59E-10

2353	438674.9	3725364	3.87E-09	8.40E-10	4.71E-09	7.64E-10	1.06E-10	8.70E-10	4.11E-09	4.90E-10	4.60E-09	4.23E-10	3.58E-11	4.59E-10
2354	438679.8	3725410	3.90E-09	8.48E-10	4.75E-09	7.71E-10	1.07E-10	8.78E-10	4.15E-09	4.94E-10	4.64E-09	4.27E-10	3.61E-11	4.63E-10
2355	438680.7	3725419	3.91E-09	8.50E-10	4.76E-09	7.73E-10	1.07E-10	8.80E-10	4.16E-09	4.96E-10	4.65E-09	4.28E-10	3.62E-11	4.64E-10
2356	438681.7	3725428	3.92E-09	8.52E-10	4.78E-09	7.75E-10	1.07E-10	8.82E-10	4.17E-09	4.97E-10	4.66E-09	4.29E-10	3.63E-11	4.65E-10
2357	438682.7	3725437	3.93E-09	8.54E-10	4.79E-09	7.77E-10	1.07E-10	8.84E-10	4.18E-09	4.98E-10	4.67E-09	4.30E-10	3.64E-11	4.67E-10
2358	438683.6	3725446	3.94E-09	8.56E-10	4.80E-09	7.79E-10	1.08E-10	8.86E-10	4.19E-09	4.99E-10	4.69E-09	4.31E-10	3.65E-11	4.68E-10
2359	438684.6	3725455	3.94E-09	8.55E-10	4.79E-09	7.77E-10	1.07E-10	8.85E-10	4.18E-09	4.98E-10	4.68E-09	4.31E-10	3.64E-11	4.67E-10
2360	438688.4	3725492	3.91E-09	8.48E-10	4.75E-09	7.71E-10	1.07E-10	8.78E-10	4.15E-09	4.94E-10	4.64E-09	4.27E-10	3.61E-11	4.63E-10
2361	438689.4	3725501	3.89E-09	8.46E-10	4.74E-09	7.69E-10	1.06E-10	8.75E-10	4.14E-09	4.93E-10	4.63E-09	4.26E-10	3.60E-11	4.62E-10
2362	438690.4	3725510	3.88E-09	8.43E-10	4.73E-09	7.67E-10	1.06E-10	8.73E-10	4.12E-09	4.92E-10	4.62E-09	4.25E-10	3.59E-11	4.61E-10
2363	438687.2	3725127	3.71E-09	8.07E-10	4.52E-09	7.33E-10	1.01E-10	8.35E-10	3.94E-09	4.70E-10	4.41E-09	4.06E-10	3.43E-11	4.41E-10
2364	438688.2	3725136	3.72E-09	8.09E-10	4.53E-09	7.36E-10	1.02E-10	8.37E-10	3.96E-09	4.72E-10	4.43E-09	4.07E-10	3.44E-11	4.42E-10
2365	438689.2	3725145	3.73E-09	8.11E-10	4.55E-09	7.38E-10	1.02E-10	8.40E-10	3.97E-09	4.73E-10	4.44E-09	4.09E-10	3.45E-11	4.43E-10
2366	438690.1	3725154	3.75E-09	8.14E-10	4.56E-09	7.40E-10	1.02E-10	8.42E-10	3.98E-09	4.74E-10	4.45E-09	4.10E-10	3.46E-11	4.44E-10
2367	438691.1	3725163	3.76E-09	8.16E-10	4.57E-09	7.42E-10	1.03E-10	8.45E-10	3.99E-09	4.76E-10	4.47E-09	4.11E-10	3.48E-11	4.46E-10
2368	438692.1	3725172	3.77E-09	8.19E-10	4.59E-09	7.44E-10	1.03E-10	8.47E-10	4.00E-09	4.77E-10	4.48E-09	4.12E-10	3.48E-11	4.47E-10
2369	438693	3725182	3.78E-09	8.22E-10	4.60E-09	7.47E-10	1.03E-10	8.50E-10	4.02E-09	4.79E-10	4.50E-09	4.14E-10	3.50E-11	4.49E-10
2370	438694	3725191	3.80E-09	8.25E-10	4.62E-09	7.50E-10	1.04E-10	8.54E-10	4.04E-09	4.81E-10	4.52E-09	4.16E-10	3.51E-11	4.51E-10
2371	438695	3725200	3.82E-09	8.29E-10	4.64E-09	7.54E-10	1.04E-10	8.58E-10	4.05E-09	4.83E-10	4.54E-09	4.17E-10	3.53E-11	4.53E-10
2372	438695.9	3725209	3.83E-09	8.31E-10	4.66E-09	7.56E-10	1.04E-10	8.60E-10	4.06E-09	4.84E-10	4.55E-09	4.18E-10	3.54E-11	4.54E-10
2373	438696.9	3725218	3.82E-09	8.30E-10	4.65E-09	7.55E-10	1.04E-10	8.59E-10	4.06E-09	4.84E-10	4.54E-09	4.18E-10	3.53E-11	4.53E-10
2374	438697.9	3725227	3.82E-09	8.29E-10	4.65E-09	7.54E-10	1.04E-10	8.58E-10	4.05E-09	4.83E-10	4.54E-09	4.18E-10	3.53E-11	4.53E-10
2375	438698.8	3725237	3.81E-09	8.28E-10	4.64E-09	7.53E-10	1.04E-10	8.57E-10	4.05E-09	4.83E-10	4.53E-09	4.17E-10	3.53E-11	4.52E-10
2376	438699.8	3725246	3.80E-09	8.27E-10	4.63E-09	7.51E-10	1.04E-10	8.55E-10	4.04E-09	4.82E-10	4.52E-09	4.16E-10	3.52E-11	4.51E-10
2377	438700.8	3725255	3.80E-09	8.25E-10	4.62E-09	7.50E-10	1.04E-10	8.53E-10	4.03E-09	4.81E-10	4.51E-09	4.15E-10	3.51E-11	4.50E-10
2378	438705.6	3725301	3.71E-09	8.06E-10	4.52E-09	7.33E-10	1.01E-10	8.34E-10	3.94E-09	4.70E-10	4.41E-09	4.06E-10	3.43E-11	4.40E-10
2379	438706.6	3725310	3.69E-09	8.01E-10	4.49E-09	7.28E-10	1.01E-10	8.29E-10	3.92E-09	4.67E-10	4.38E-09	4.03E-10	3.41E-11	4.37E-10
2380	438707.5	3725319	3.67E-09	7.96E-10	4.46E-09	7.24E-10	1.00E-10	8.24E-10	3.89E-09	4.64E-10	4.36E-09	4.01E-10	3.39E-11	4.35E-10
2381	438708.5	3725328	3.65E-09	7.92E-10	4.44E-09	7.20E-10	9.95E-11	8.20E-10	3.87E-09	4.62E-10	4.33E-09	3.99E-10	3.37E-11	4.33E-10
2382	438709.5	3725338	3.63E-09	7.90E-10	4.42E-09	7.18E-10	9.92E-11	8.17E-10	3.86E-09	4.60E-10	4.32E-09	3.98E-10	3.36E-11	4.31E-10
2383	438710.4	3725347	3.62E-09	7.87E-10	4.41E-09	7.15E-10	9.88E-11	8.14E-10	3.85E-09	4.59E-10	4.31E-09	3.96E-10	3.35E-11	4.30E-10
2384	438711.4	3725356	3.61E-09	7.84E-10	4.39E-09	7.13E-10	9.85E-11	8.11E-10	3.83E-09	4.57E-10	4.29E-09	3.95E-10	3.34E-11	4.28E-10
2385	438712.4	3725365	3.61E-09	7.85E-10	4.40E-09	7.14E-10	9.86E-11	8.12E-10	3.84E-09	4.58E-10	4.30E-09	3.95E-10	3.34E-11	4.29E-10
2386	438717.2	3725411	3.64E-09	7.90E-10	4.42E-09	7.18E-10	9.92E-11	8.17E-10	3.86E-09	4.60E-10	4.32E-09	3.98E-10	3.36E-11	4.31E-10
2387	438718.2	3725420	3.64E-09	7.91E-10	4.43E-09	7.19E-10	9.93E-11	8.18E-10	3.87E-09	4.61E-10	4.33E-09	3.98E-10	3.37E-11	4.32E-10
2388	438719.1	3725429	3.65E-09	7.92E-10	4.44E-09	7.20E-10	9.95E-11	8.19E-10	3.87E-09	4.62E-10	4.33E-09	3.99E-10	3.37E-11	4.32E-10
2389	438720.1	3725438	3.65E-09	7.93E-10	4.44E-09	7.21E-10	9.96E-11	8.21E-10	3.88E-09	4.62E-10	4.34E-09	3.99E-10	3.38E-11	4.33E-10
2390	438721.1	3725448	3.65E-09	7.94E-10	4.45E-09	7.22E-10	9.97E-11	8.21E-10	3.88E-09	4.63E-10	4.34E-09	4.00E-10	3.38E-11	4.34E-10
2391	438722.1	3725457	3.65E-09	7.93E-10	4.45E-09	7.21E-10	9.96E-11	8.21E-10	3.88E-09	4.62E-10	4.34E-09	4.00E-10	3.38E-11	4.33E-10
2392	438723	3725466	3.65E-09	7.93E-10	4.44E-09	7.21E-10	9.96E-11	8.21E-10	3.88E-09	4.62E-10	4.34E-09	3.99E-10	3.38E-11	4.33E-10
2393	438724	3725475	3.65E-09	7.93E-10	4.44E-09	7.21E-10	9.96E-11	8.20E-10	3.88E-09	4.62E-10	4.34E-09	3.99E-10	3.37E-11	4.33E-10
2394	438725	3725484	3.64E-09	7.91E-10	4.43E-09	7.19E-10	9.93E-11	8.18E-10	3.87E-09	4.61E-10	4.33E-09	3.98E-10	3.37E-11	4.32E-10
2395	438725.9	3725493	3.63E-09	7.88E-10	4.42E-09	7.16E-10	9.90E-11	8.15E-10	3.85E-09	4.59E-10	4.31E-09	3.97E-10	3.36E-11	4.30E-10
2396	438726.9	3725503	3.62E-09	7.86E-10	4.40E-09	7.14E-10	9.87E-11	8.13E-10	3.84E-09	4.58E-10	4.30E-09	3.96E-10	3.35E-11	4.29E-10
2397	438727.9	3725512	3.61E-09	7.83E-10	4.39E-09	7.12E-10	9.84E-11	8.11E-10	3.83E-09	4.57E-10	4.29E-09	3.94E-10	3.33E-11	4.28E-10
2398	437709.7	3725188	3.03E-07	6.58E-08	3.69E-07	5.98E-08	8.26E-09	6.81E-08	3.22E-07	3.84E-08	3.60E-07	3.31E-08	2.80E-09	3.59E-08
2399	437702	3725182	2.78E-07	6.03E-08	3.38E-07	5.48E-08	7.57E-09	6.24E-08	2.95E-07	3.51E-08	3.30E-07	3.04E-08	2.57E-09	3.29E-08
2400	437715.4	3725179	2.35E-07	5.11E-08	2.86E-07	4.65E-08	6.42E-09	5.29E-08	2.50E-07	2.98E-08	2.80E-07	2.57E-08	2.18E-09	2.79E-08
2401	437707.6	3725174	2.16E-07	4.69E-08	2.63E-07	4.27E-08	5.89E-09	4.86E-08	2.29E-07	2.74E-08	2.57E-07	2.36E-08	2.00E-09	2.56E-08
2402	437721.1	3725171	1.89E-07	4.11E-08	2.31E-07	3.74E-08	5.17E-09	4.26E-08	2.01E-07	2.40E-08	2.25E-07	2.07E-08	1.75E-09	2.25E-08
2403	437713.3	3725166	1.74E-07	3.78E-08	2.12E-07	3.44E-08	4.75E-09	3.91E-08	1.85E-07	2.20E-08	2.07E-07	1.90E-08	1.61E-09	2.06E-08
2404	437726.7	3725163	1.57E-07	3.41E-08	1.91E-07	3.10E-08	4.29E-09	3.53E-08	1.67E-07	1.99E-08	1.87E-07	1.72E-08	1.45E-09	1.86E-08
2405	437719	3725158	1.44E-07	3.12E-08	1.75E-07	2.84E-08	3.92E-09	3.23E-08	1.53E-07	1.82E-08	1.71E-07	1.57E-08	1.33E-09	1.71E-08
2406	437732.4	3725155	1.33E-07	2.89E-08	1.62E-07	2.63E-08	3.63E-09	2.99E-08	1.41E-07	1.68E-08	1.58E-07	1.45E-08	1.23E-09	1.58E-08
2407	437724.6	3725149	1.21E-07	2.64E-08	1.48E-07	2.40E-08	3.31E-09	2.73E-08	1.29E-07	1.54E-08	1.44E-07	1.33E-08	1.12E-09	1.44E-08
2408	437797.9	3725190	1.56E-07	3.38E-08	1.89E-07	3.07E-08	4.24E-09	3.50E-08	1.65E-07	1.97E-08	1.85E-07	1.70E-08	1.44E-09	1.85E-08
2409	437738.1	3725147	1.14E-07	2.49E-08	1.39E-07	2.26E-08	3.12E-09	2.57E-08	1.22E-07	1.45E-08	1.36E-07	1.25E-08	1.06E-09	1.36E-08
2410	437730.3	3725141	1.04E-07	2.26E-08	1.27E-07	2.06E-08	2.84E-09	2.34E-08	1.11E-07	1.32E-08	1.24E-07	1.14E-08	9.64E-10	1.24E-08
2411	437803.1	3725181	1.35E-07	2.93E-08	1.64E-07	2.66E-08	3.68E-09	3.03E-08	1.43E-07	1.71E-08	1.60E-07	1.47E-08	1.25E-09	1.60E-08
2412	437813.2	3725193	1.43E-07	3.10E-08	1.74E-07	2.82E-08	3.89E-09	3.21E-08	1.52E-07	1.81E-08	1.70E-07	1.56E-08	1.32E-09	1.69E-08
2413	437790.3	3725170	1.28E-07	2.78E-08	1.56E-07	2.53E-08	3.49E-09	2.87E-08	1.36E-07	1.62E-08	1.52E-07	1.40E-08	1.18E-09	1.52E-08
2414	437782.5	3725165	1.25E-07	2.71E-08	1.52E-07	2.46E-08	3.40E-09	2.80E-08	1.32E-07	1.58E-08	1.48E-07	1.36E-08	1.15E-09	1.48E-08
2415	437774.7	3725160	1.20E-07	2.61E-08	1.46E-07	2.37E-08	3.28E-09	2.70E-08	1.28E-07	1.52E-08	1.43E-07	1.31E-08	1.11E-09	1.42E-08
2416	437767	3725154	1.15E-07	2.50E-08	1.40E-07	2.27E-08	3.13E-09	2.58E-08	1.22E-07	1.45E-08	1.37E-07	1.26E-08	1.06E-09	1.36E-08
2417	437759.2	3725149	1.10E-07	2.38E-08	1.33E-07	2.17E-08	2.99E-09	2.46E-08	1.16E-07	1.39E-08	1.30E-07	1.20E-08	1.01E-09	1.30E-08
2418	437751.5	3725144	1.04E-07	2.26E-08	1.27E-07	2.05E-08	2.84E-09	2.34E-08	1.11E-07	1.32E-08	1.24E-07	1.14E-08	9.62E-10	1.23E-08
2419	437743.7	3725138	9.75E-08	2.12E-08	1.19E-07	1.93E-08	2.66E-09	2.19E-08	1.04E-07	1.24E-08	1.16E-07	1.07E-08	9.02E-10	1.16E-08
2420	437736	3725133	8.98E-08	1.95E-08	1.09E-07	1.77E-08	2.45E-09	2.02E-08	9.54E-08	1.14E-08	1.07E-07	9.82E-09	8.30E-10	1.07E-08
2421	437809.4	3725174	1.19E-07	2.58E-08	1.44E-07	2.34E-08	3.24E-09	2.67E-08	1.26E-07	1.50E-08	1.41E-07	1.30E-08	1.10E-09	1.41E-08
2422	437820.8	3725187	1.26E-07	2.75E-08	1.54E-07	2.50E-08	3.45E-09	2.84E-08	1.34E-07	1.60E-08	1.50E-07	1.38E-08	1.17E-09	1.50E-08
2423	437795.9	3725162	1.11E-07	2.42E-08	1.36E-07	2.20E-08	3.04E-09	2.50E-08	1.18E-07	1.41E-08	1.32E-07	1.22E-08	1.03E-09	1.32E-08
2424	437788.2	3725157	1.08E-07	2.35E-08	1.32E-07	2.14E-08	2.95E-09	2.43E-08	1.15E-07	1.37E-08	1.29E-07	1.18E-08	1.00E-09	1.28E-08
2425	437780.4	3725151	1.04E-07	2.26E-08	1.27E-07	2.06E-08	2.84E-09	2.34E-08	1.11E-07	1.32E-08	1.24E-07	1.14E-08	9.63E-10	1.24E-08
2426	437772.7	3725146	9.91E-08	2.15E-08	1.21E-07	1.96E-08	2.71E-09	2.23E-08	1.05E-07	1.26E-08	1.18E-07	1.08E-08	9.17E-10	1.18E-08
2427	437764.9	3725141	9.48E-08	2.06E-08	1.15E-07	1.87E-08	2.59E-09	2.13E-08	1.01E-07	1.20E-08	1.13E-07	1.04E-08	8.76E-10	1.12E-08
2428	437757.1	3725135	8.98E-08	1.95E-08	1.09E-07	1.77E-08	2.45E-09	2.02E-08	9.54E-08	1.14E-08	1.07E-07	9.83E-09	8.31E-10	1.07E-08

2429	437749.4	3725130	8.40E-08	1.83E-08	1.02E-07	1.66E-08	2.29E-09	1.89E-08	8.93E-08	1.06E-08	9.99E-08	9.19E-09	7.77E-10	9.97E-09
2430	437741.6	3725125	7.76E-08	1.69E-08	9.44E-08	1.53E-08	2.12E-09	1.74E-08	8.24E-08	9.82E-09	9.22E-08	8.48E-09	7.17E-10	9.20E-09
2431	437814.6	3725165	1.05E-07	2.28E-08	1.28E-07	2.08E-08	2.87E-09	2.36E-08	1.12E-07	1.33E-08	1.25E-07	1.15E-08	9.73E-10	1.25E-08
2432	437825.2	3725177	1.11E-07	2.41E-08	1.35E-07	2.19E-08	3.03E-09	2.49E-08	1.18E-07	1.40E-08	1.32E-07	1.21E-08	1.03E-09	1.32E-08
2433	437801.6	3725154	9.80E-08	2.13E-08	1.19E-07	1.94E-08	2.68E-09	2.20E-08	1.04E-07	1.24E-08	1.17E-07	1.07E-08	9.07E-10	1.16E-08
2434	437793.8	3725148	9.48E-08	2.06E-08	1.15E-07	1.87E-08	2.59E-09	2.13E-08	1.01E-07	1.20E-08	1.13E-07	1.04E-08	8.77E-10	1.12E-08
2435	437786.1	3725143	9.14E-08	1.99E-08	1.11E-07	1.81E-08	2.49E-09	2.05E-08	9.71E-08	1.16E-08	1.09E-07	1.00E-08	8.45E-10	1.08E-08
2436	437778.3	3725138	8.76E-08	1.90E-08	1.07E-07	1.73E-08	2.39E-09	1.97E-08	9.30E-08	1.11E-08	1.04E-07	9.58E-09	8.10E-10	1.04E-08
2437	437770.6	3725132	8.31E-08	1.81E-08	1.01E-07	1.64E-08	2.27E-09	1.87E-08	8.83E-08	1.05E-08	9.88E-08	9.09E-09	7.69E-10	9.86E-09
2438	437762.8	3725127	7.86E-08	1.71E-08	9.56E-08	1.55E-08	2.14E-09	1.77E-08	8.35E-08	9.95E-09	9.34E-08	8.60E-09	7.27E-10	9.32E-09
2439	437755.1	3725122	7.34E-08	1.60E-08	8.94E-08	1.45E-08	2.00E-09	1.65E-08	7.80E-08	9.30E-09	8.73E-08	8.03E-09	6.79E-10	8.71E-09
2440	437747.3	3725116	6.77E-08	1.47E-08	8.25E-08	1.34E-08	1.85E-09	1.52E-08	7.20E-08	8.58E-09	8.05E-08	7.41E-09	6.27E-10	8.04E-09
2441	437837	3725161	9.10E-08	1.98E-08	1.11E-07	1.80E-08	2.48E-09	2.05E-08	9.67E-08	1.15E-08	1.08E-07	9.96E-09	8.42E-10	1.08E-08
2442	437811.7	3725039	2.89E-08	6.29E-09	3.52E-08	5.72E-09	7.90E-10	6.51E-09	3.08E-08	3.67E-09	3.44E-08	3.17E-09	2.68E-10	3.43E-09
2443	437803.9	3725034	2.71E-08	5.88E-09	3.29E-08	5.35E-09	7.38E-10	6.08E-09	2.87E-08	3.43E-09	3.22E-08	2.96E-09	2.50E-10	3.21E-09
2444	437883.1	3725067	3.58E-08	7.77E-09	4.35E-08	7.06E-09	9.76E-10	8.04E-09	3.80E-08	4.53E-09	4.25E-08	3.91E-09	3.31E-10	4.24E-09
2445	437894.7	3725080	3.87E-08	8.40E-09	4.71E-08	7.64E-09	1.06E-09	8.70E-09	4.11E-08	4.90E-09	4.60E-08	4.23E-09	3.58E-10	4.59E-09
2446	437906.4	3725093	4.12E-08	8.96E-09	5.02E-08	8.15E-09	1.13E-09	9.27E-09	4.38E-08	5.22E-09	4.90E-08	4.51E-09	3.81E-10	4.89E-09
2447	437918	3725106	4.33E-08	9.42E-09	5.28E-08	8.56E-09	1.18E-09	9.74E-09	4.60E-08	5.49E-09	5.15E-08	4.74E-09	4.01E-10	5.14E-09
2448	437869.6	3725055	3.31E-08	7.19E-09	4.03E-08	6.53E-09	9.03E-10	7.44E-09	3.51E-08	4.19E-09	3.93E-08	3.62E-09	3.06E-10	3.92E-09
2449	437861.8	3725050	3.18E-08	6.92E-09	3.88E-08	6.29E-09	8.69E-10	7.16E-09	3.38E-08	4.03E-09	3.79E-08	3.48E-09	2.95E-10	3.78E-09
2450	437854.1	3725044	3.05E-08	6.63E-09	3.71E-08	6.03E-09	8.33E-10	6.86E-09	3.24E-08	3.86E-09	3.63E-08	3.34E-09	2.82E-10	3.62E-09
2451	437846.3	3725039	2.91E-08	6.32E-09	3.54E-08	5.75E-09	7.94E-10	6.54E-09	3.09E-08	3.69E-09	3.46E-08	3.18E-09	2.69E-10	3.45E-09
2452	437838.5	3725034	2.76E-08	6.01E-09	3.37E-08	5.46E-09	7.54E-10	6.22E-09	2.94E-08	3.50E-09	3.29E-08	3.02E-09	2.56E-10	3.28E-09
2453	437830.8	3725028	2.61E-08	5.68E-09	3.18E-08	5.16E-09	7.13E-10	5.88E-09	2.78E-08	3.31E-09	3.11E-08	2.86E-09	2.42E-10	3.10E-09
2454	437823	3725023	2.46E-08	5.35E-09	3.00E-08	4.86E-09	6.72E-10	5.53E-09	2.62E-08	3.12E-09	2.93E-08	2.69E-09	2.28E-10	2.92E-09
2455	437815.3	3725018	2.31E-08	5.02E-09	2.81E-08	4.56E-09	6.30E-10	5.19E-09	2.45E-08	2.92E-09	2.75E-08	2.53E-09	2.14E-10	2.74E-09
2456	437894.5	3725050	3.05E-08	6.63E-09	3.71E-08	6.03E-09	8.33E-10	6.86E-09	3.24E-08	3.86E-09	3.63E-08	3.34E-09	2.82E-10	3.62E-09
2457	437906.2	3725063	3.30E-08	7.17E-09	4.02E-08	6.52E-09	9.01E-10	7.42E-09	3.51E-08	4.18E-09	3.92E-08	3.61E-09	3.05E-10	3.92E-09
2458	437917.9	3725077	3.53E-08	7.66E-09	4.29E-08	6.97E-09	9.62E-10	7.93E-09	3.75E-08	4.47E-09	4.19E-08	3.86E-09	3.26E-10	4.18E-09
2459	437929.6	3725090	3.72E-08	8.08E-09	4.53E-08	7.34E-09	1.01E-09	8.36E-09	3.95E-08	4.71E-09	4.42E-08	4.07E-09	3.44E-10	4.41E-09
2460	437941.3	3725103	3.87E-08	8.40E-09	4.71E-08	7.64E-09	1.06E-09	8.69E-09	4.11E-08	4.90E-09	4.60E-08	4.23E-09	3.58E-10	4.59E-09
2461	437880.9	3725038	2.82E-08	6.13E-09	3.44E-08	5.58E-09	7.70E-10	6.35E-09	3.00E-08	3.58E-09	3.36E-08	3.09E-09	2.61E-10	3.35E-09
2462	437873.1	3725033	2.72E-08	5.91E-09	3.31E-08	5.37E-09	7.42E-10	6.11E-09	2.89E-08	3.44E-09	3.23E-08	2.97E-09	2.51E-10	3.23E-09
2463	437865.4	3725028	2.61E-08	5.66E-09	3.17E-08	5.15E-09	7.11E-10	5.86E-09	2.77E-08	3.30E-09	3.10E-08	2.85E-09	2.41E-10	3.09E-09
2464	437857.6	3725022	2.49E-08	5.41E-09	3.03E-08	4.92E-09	6.79E-10	5.60E-09	2.64E-08	3.15E-09	2.96E-08	2.72E-09	2.30E-10	2.95E-09
2465	437849.9	3725017	2.37E-08	5.14E-09	2.88E-08	4.68E-09	6.46E-10	5.32E-09	2.51E-08	3.00E-09	2.81E-08	2.59E-09	2.19E-10	2.81E-09
2466	437842.1	3725012	2.24E-08	4.87E-09	2.73E-08	4.43E-09	6.12E-10	5.04E-09	2.38E-08	2.84E-09	2.67E-08	2.45E-09	2.07E-10	2.66E-09
2467	437834.4	3725006	2.12E-08	4.60E-09	2.58E-08	4.18E-09	5.78E-10	4.76E-09	2.25E-08	2.68E-09	2.52E-08	2.32E-09	1.96E-10	2.51E-09
2468	437826.6	3725001	1.99E-08	4.33E-09	2.42E-08	3.93E-09	5.43E-10	4.48E-09	2.11E-08	2.52E-09	2.37E-08	2.18E-09	1.84E-10	2.36E-09
2469	437905.9	3725034	2.63E-08	5.71E-09	3.20E-08	5.19E-09	7.17E-10	5.91E-09	2.79E-08	3.33E-09	3.12E-08	2.87E-09	2.43E-10	3.12E-09
2470	437917.6	3725047	2.84E-08	6.17E-09	3.46E-08	5.61E-09	7.75E-10	6.39E-09	3.02E-08	3.60E-09	3.38E-08	3.11E-09	2.63E-10	3.37E-09
2471	437929.4	3725060	3.04E-08	6.60E-09	3.70E-08	6.00E-09	8.29E-10	6.83E-09	3.23E-08	3.85E-09	3.61E-08	3.32E-09	2.81E-10	3.60E-09
2472	437941.2	3725073	3.21E-08	6.97E-09	3.91E-08	6.34E-09	8.76E-10	7.21E-09	3.41E-08	4.06E-09	3.81E-08	3.51E-09	2.97E-10	3.81E-09
2473	437952.9	3725087	3.35E-08	7.28E-09	4.08E-08	6.62E-09	9.14E-10	7.53E-09	3.56E-08	4.24E-09	3.98E-08	3.67E-09	3.10E-10	3.98E-09
2474	437964.7	3725100	3.46E-08	7.52E-09	4.21E-08	6.83E-09	9.44E-10	7.78E-09	3.67E-08	4.38E-09	4.11E-08	3.78E-09	3.20E-10	4.10E-09
2475	437892.2	3725022	2.43E-08	5.28E-09	2.96E-08	4.80E-09	6.64E-10	5.47E-09	2.58E-08	3.08E-09	2.89E-08	2.66E-09	2.25E-10	2.89E-09
2476	437884.5	3725017	2.34E-08	5.09E-09	2.85E-08	4.62E-09	6.39E-10	5.26E-09	2.49E-08	2.96E-09	2.78E-08	2.56E-09	2.17E-10	2.78E-09
2477	437876.7	3725011	2.25E-08	4.88E-09	2.73E-08	4.44E-09	6.13E-10	5.05E-09	2.39E-08	2.84E-09	2.67E-08	2.46E-09	2.08E-10	2.66E-09
2478	437869	3725006	2.15E-08	4.67E-09	2.61E-08	4.24E-09	5.86E-10	4.83E-09	2.28E-08	2.72E-09	2.55E-08	2.35E-09	1.99E-10	2.55E-09
2479	437861.2	3725001	2.05E-08	4.44E-09	2.49E-08	4.04E-09	5.58E-10	4.60E-09	2.17E-08	2.59E-09	2.43E-08	2.24E-09	1.89E-10	2.43E-09
2480	437853.4	3724995	1.94E-08	4.22E-09	2.36E-08	3.83E-09	5.30E-10	4.36E-09	2.06E-08	2.46E-09	2.31E-08	2.12E-09	1.80E-10	2.30E-09
2481	437845.7	3724990	1.84E-08	3.99E-09	2.24E-08	3.63E-09	5.01E-10	4.13E-09	1.95E-08	2.32E-09	2.18E-08	2.01E-09	1.70E-10	2.18E-09
2482	437837.9	3724985	1.73E-08	3.76E-09	2.11E-08	3.42E-09	4.72E-10	3.89E-09	1.84E-08	2.19E-09	2.06E-08	1.89E-09	1.60E-10	2.05E-09
2483	437917.2	3725017	2.28E-08	4.95E-09	2.77E-08	4.50E-09	6.22E-10	5.12E-09	2.42E-08	2.88E-09	2.71E-08	2.49E-09	2.11E-10	2.70E-09
2484	437929	3725031	2.46E-08	5.35E-09	3.00E-08	4.87E-09	6.72E-10	5.54E-09	2.62E-08	3.12E-09	2.93E-08	2.70E-09	2.28E-10	2.92E-09
2485	437940.9	3725044	2.64E-08	5.73E-09	3.21E-08	5.21E-09	7.19E-10	5.92E-09	2.80E-08	3.34E-09	3.13E-08	2.88E-09	2.44E-10	3.13E-09
2486	437952.7	3725057	2.79E-08	6.06E-09	3.39E-08	5.51E-09	7.61E-10	6.27E-09	2.96E-08	3.53E-09	3.32E-08	3.05E-09	2.58E-10	3.31E-09
2487	437964.5	3725070	2.92E-08	6.34E-09	3.55E-08	5.77E-09	7.97E-10	6.56E-09	3.10E-08	3.70E-09	3.47E-08	3.19E-09	2.70E-10	3.46E-09
2488	437976.4	3725084	3.03E-08	6.57E-09	3.68E-08	5.98E-09	8.25E-10	6.80E-09	3.21E-08	3.83E-09	3.60E-08	3.31E-09	2.80E-10	3.59E-09
2489	437988.2	3725097	3.10E-08	6.74E-09	3.78E-08	6.13E-09	8.47E-10	6.98E-09	3.30E-08	3.93E-09	3.69E-08	3.39E-09	2.87E-10	3.68E-09
2490	437903.6	3725005	2.11E-08	4.58E-09	2.57E-08	4.17E-09	5.76E-10	4.74E-09	2.24E-08	2.67E-09	2.51E-08	2.31E-09	1.95E-10	2.50E-09
2491	437895.8	3725000	2.03E-08	4.42E-09	2.47E-08	4.01E-09	5.55E-10	4.57E-09	2.16E-08	2.57E-09	2.42E-08	2.22E-09	1.88E-10	2.41E-09
2492	437888	3724995	1.95E-08	4.24E-09	2.38E-08	3.85E-09	5.33E-10	4.39E-09	2.07E-08	2.47E-09	2.32E-08	2.14E-09	1.81E-10	2.32E-09
2493	437880.3	3724989	1.87E-08	4.06E-09	2.27E-08	3.69E-09	5.10E-10	4.20E-09	1.98E-08	2.36E-09	2.22E-08	2.04E-09	1.73E-10	2.22E-09
2494	437872.5	3724984	1.78E-08	3.87E-09	2.17E-08	3.52E-09	4.86E-10	4.00E-09	1.89E-08	2.26E-09	2.12E-08	1.95E-09	1.65E-10	2.11E-09
2495	437864.8	3724979	1.69E-08	3.68E-09	2.06E-08	3.34E-09	4.62E-10	3.81E-09	1.80E-08	2.14E-09	2.01E-08	1.85E-09	1.57E-10	2.01E-09
2496	437857	3724973	1.60E-08	3.49E-09	1.95E-08	3.17E-09	4.38E-10	3.61E-09	1.70E-08	2.03E-09	1.91E-08	1.76E-09	1.48E-10	1.90E-09
2497	437849.3	3724968	1.52E-08	3.29E-09	1.85E-08	2.99E-09	4.14E-10	3.41E-09	1.61E-08	1.92E-09	1.80E-08	1.66E-09	1.40E-10	1.80E-09
2498	437928.6	3725001	1.99E-08	4.32E-09	2.42E-08	3.93E-09	5.43E-10	4.47E-09	2.11E-08	2.52E-09	2.37E-08	2.18E-09	1.84E-10	2.36E-09
2499	437940.5	3725014	2.15E-08	4.67E-09	2.62E-08	4.25E-09	5.87E-10	4.84E-09	2.28E-08	2.72E-09	2.56E-08	2.35E-09	1.99E-10	2.55E-09
2500	437946.4	3725021	2.23E-08	4.84E-09	2.71E-08	4.40E-09	6.08E-10	5.01E-09	2.37E-08	2.82E-09	2.65E-08	2.44E-09	2.06E-10	2.64E-09
2501	437970.2	3725048	2.50E-08	5.44E-09	3.05E-08	4.94E-09	6.83E-10	5.62E-09	2.66E-08	3.17E-09	2.97E-08	2.74E-09	2.31E-10	2.97E-09
2502	437982	3725061	2.61E-08	5.67E-09	3.18E-08	5.16E-09	7.13E-10	5.87E-09	2.77E-08	3.31E-09	3.11E-08	2.86E-09	2.42E-10	3.10E-09
2503	437993.9	3725074	2.70E-08	5.87E-09	3.29E-08	5.33E-09	7.37E-10	6.07E-09	2.87E-08	3.42E-09	3.21E-08	2.95E-09	2.50E-10	3.20E-09
2504	437914.9	3724989	1.84E-08	4.01E-09	2.24E-08	3.64E-09	5.03E-10	4.14E-09	1.96E-08	2.33E-09	2.19E-08	2.02E-09	1.71E-10	2.19E-09

2505	437907.1	3724984	1.78E-08	3.86E-09	2.16E-08	3.51E-09	4.85E-10	4.00E-09	1.89E-08	2.25E-09	2.11E-08	1.94E-09	1.64E-10	2.11E-09
2506	437899.4	3724978	1.71E-08	3.71E-09	2.08E-08	3.37E-09	4.66E-10	3.84E-09	1.81E-08	2.16E-09	2.03E-08	1.87E-09	1.58E-10	2.03E-09
2507	437891.6	3724973	1.64E-08	3.56E-09	1.99E-08	3.23E-09	4.47E-10	3.68E-09	1.74E-08	2.07E-09	1.95E-08	1.79E-09	1.51E-10	1.94E-09
2508	437883.9	3724968	1.56E-08	3.40E-09	1.90E-08	3.09E-09	4.27E-10	3.51E-09	1.66E-08	1.98E-09	1.86E-08	1.71E-09	1.45E-10	1.85E-09
2509	437876.1	3724962	1.49E-08	3.23E-09	1.81E-08	2.94E-09	4.06E-10	3.35E-09	1.58E-08	1.88E-09	1.77E-08	1.63E-09	1.38E-10	1.77E-09
2510	437868.4	3724957	1.41E-08	3.07E-09	1.72E-08	2.79E-09	3.86E-10	3.18E-09	1.50E-08	1.79E-09	1.68E-08	1.55E-09	1.31E-10	1.68E-09
2511	437860.6	3724952	1.34E-08	2.91E-09	1.63E-08	2.64E-09	3.65E-10	3.01E-09	1.42E-08	1.69E-09	1.59E-08	1.46E-09	1.24E-10	1.59E-09
2512	437945.8	3724976	1.65E-08	3.58E-09	2.01E-08	3.26E-09	4.50E-10	3.71E-09	1.75E-08	2.09E-09	1.96E-08	1.80E-09	1.52E-10	1.96E-09
2513	437951.9	3724983	1.72E-08	3.73E-09	2.09E-08	3.39E-09	4.68E-10	3.86E-09	1.82E-08	2.17E-09	2.04E-08	1.88E-09	1.59E-10	2.04E-09
2514	437976.5	3725011	1.97E-08	4.29E-09	2.40E-08	3.90E-09	5.38E-10	4.43E-09	2.10E-08	2.50E-09	2.35E-08	2.16E-09	1.82E-10	2.34E-09
2515	437982.7	3725018	2.03E-08	4.41E-09	2.47E-08	4.01E-09	5.54E-10	4.56E-09	2.16E-08	2.57E-09	2.41E-08	2.22E-09	1.88E-10	2.41E-09
2516	437988.8	3725025	2.08E-08	4.53E-09	2.54E-08	4.12E-09	5.69E-10	4.69E-09	2.21E-08	2.64E-09	2.48E-08	2.28E-09	1.93E-10	2.47E-09
2517	437995	3725032	2.14E-08	4.64E-09	2.60E-08	4.22E-09	5.83E-10	4.80E-09	2.27E-08	2.70E-09	2.54E-08	2.34E-09	1.98E-10	2.53E-09
2518	438001.1	3725039	2.18E-08	4.74E-09	2.66E-08	4.31E-09	5.96E-10	4.91E-09	2.32E-08	2.76E-09	2.60E-08	2.39E-09	2.02E-10	2.59E-09
2519	438007.3	3725045	2.23E-08	4.84E-09	2.71E-08	4.40E-09	6.07E-10	5.00E-09	2.36E-08	2.82E-09	2.65E-08	2.44E-09	2.06E-10	2.64E-09
2520	438013.4	3725052	2.27E-08	4.92E-09	2.76E-08	4.48E-09	6.18E-10	5.09E-09	2.41E-08	2.87E-09	2.69E-08	2.48E-09	2.10E-10	2.69E-09
2521	437939.6	3724970	1.58E-08	3.43E-09	1.92E-08	3.12E-09	4.31E-10	3.55E-09	1.68E-08	2.00E-09	1.88E-08	1.73E-09	1.46E-10	1.87E-09
2522	437931.9	3724964	1.53E-08	3.32E-09	1.86E-08	3.02E-09	4.17E-10	3.43E-09	1.62E-08	1.93E-09	1.82E-08	1.67E-09	1.41E-10	1.81E-09
2523	437924.1	3724959	1.47E-08	3.20E-09	1.79E-08	2.91E-09	4.02E-10	3.31E-09	1.56E-08	1.86E-09	1.75E-08	1.61E-09	1.36E-10	1.75E-09
2524	437916.4	3724954	1.42E-08	3.08E-09	1.72E-08	2.80E-09	3.86E-10	3.18E-09	1.50E-08	1.79E-09	1.68E-08	1.55E-09	1.31E-10	1.68E-09
2525	437908.6	3724948	1.36E-08	2.95E-09	1.65E-08	2.68E-09	3.71E-10	3.05E-09	1.44E-08	1.72E-09	1.62E-08	1.49E-09	1.26E-10	1.61E-09
2526	437900.9	3724943	1.30E-08	2.83E-09	1.58E-08	2.57E-09	3.55E-10	2.92E-09	1.38E-08	1.65E-09	1.55E-08	1.42E-09	1.20E-10	1.54E-09
2527	437893.1	3724938	1.24E-08	2.70E-09	1.51E-08	2.45E-09	3.39E-10	2.79E-09	1.32E-08	1.57E-09	1.48E-08	1.36E-09	1.15E-10	1.47E-09
2528	437885.3	3724932	1.18E-08	2.57E-09	1.44E-08	2.34E-09	3.23E-10	2.66E-09	1.26E-08	1.50E-09	1.41E-08	1.29E-09	1.09E-10	1.40E-09
2529	437877.6	3724927	1.12E-08	2.44E-09	1.37E-08	2.22E-09	3.06E-10	2.52E-09	1.19E-08	1.42E-09	1.33E-08	1.23E-09	1.04E-10	1.33E-09
2530	437974.6	3724965	1.49E-08	3.23E-09	1.81E-08	2.94E-09	4.06E-10	3.35E-09	1.58E-08	1.88E-09	1.77E-08	1.63E-09	1.38E-10	1.77E-09
2531	437980.6	3724972	1.54E-08	3.35E-09	1.88E-08	3.04E-09	4.21E-10	3.46E-09	1.64E-08	1.95E-09	1.83E-08	1.69E-09	1.43E-10	1.83E-09
2532	437986.6	3724979	1.59E-08	3.46E-09	1.94E-08	3.15E-09	4.35E-10	3.58E-09	1.69E-08	2.02E-09	1.89E-08	1.74E-09	1.47E-10	1.89E-09
2533	437992.6	3724985	1.64E-08	3.57E-09	2.00E-08	3.25E-09	4.48E-10	3.69E-09	1.75E-08	2.08E-09	1.95E-08	1.80E-09	1.52E-10	1.95E-09
2534	437998.6	3724992	1.69E-08	3.68E-09	2.06E-08	3.34E-09	4.62E-10	3.80E-09	1.80E-08	2.14E-09	2.01E-08	1.85E-09	1.56E-10	2.01E-09
2535	438004.6	3724999	1.74E-08	3.78E-09	2.12E-08	3.43E-09	4.74E-10	3.91E-09	1.85E-08	2.20E-09	2.07E-08	1.90E-09	1.61E-10	2.06E-09
2536	438010.7	3725005	1.78E-08	3.87E-09	2.17E-08	3.52E-09	4.86E-10	4.01E-09	1.89E-08	2.26E-09	2.12E-08	1.95E-09	1.65E-10	2.11E-09
2537	438016.7	3725012	1.82E-08	3.96E-09	2.22E-08	3.60E-09	4.98E-10	4.10E-09	1.94E-08	2.31E-09	2.17E-08	1.99E-09	1.69E-10	2.16E-09
2538	438022.7	3725019	1.86E-08	4.05E-09	2.27E-08	3.68E-09	5.08E-10	4.19E-09	1.98E-08	2.36E-09	2.21E-08	2.04E-09	1.72E-10	2.21E-09
2539	438034.7	3725032	1.93E-08	4.20E-09	2.35E-08	3.82E-09	5.27E-10	4.34E-09	2.05E-08	2.45E-09	2.30E-08	2.11E-09	1.79E-10	2.29E-09
2540	437933.4	3724929	1.19E-08	2.59E-09	1.45E-08	2.35E-09	3.25E-10	2.68E-09	1.26E-08	1.51E-09	1.42E-08	1.30E-09	1.10E-10	1.41E-09
2541	437925.6	3724924	1.14E-08	2.48E-09	1.39E-08	2.26E-09	3.12E-10	2.57E-09	1.21E-08	1.45E-09	1.36E-08	1.25E-09	1.06E-10	1.36E-09
2542	437917.9	3724918	1.10E-08	2.38E-09	1.33E-08	2.17E-09	2.99E-10	2.46E-09	1.16E-08	1.39E-09	1.30E-08	1.20E-09	1.01E-10	1.30E-09
2543	437910.1	3724913	1.05E-08	2.28E-09	1.28E-08	2.07E-09	2.86E-10	2.36E-09	1.11E-08	1.33E-09	1.25E-08	1.15E-09	9.70E-11	1.24E-09
2544	437902.3	3724908	1.00E-08	2.18E-09	1.22E-08	1.98E-09	2.73E-10	2.25E-09	1.06E-08	1.27E-09	1.19E-08	1.10E-09	9.26E-11	1.19E-09
2545	437894.6	3724902	9.54E-09	2.07E-09	1.16E-08	1.88E-09	2.60E-10	2.14E-09	1.01E-08	1.21E-09	1.13E-08	1.04E-09	8.82E-11	1.13E-09
2546	437979.8	3724927	1.17E-08	2.54E-09	1.42E-08	2.31E-09	3.19E-10	2.63E-09	1.24E-08	1.48E-09	1.39E-08	1.28E-09	1.08E-10	1.39E-09
2547	437986	3724934	1.22E-08	2.65E-09	1.48E-08	2.41E-09	3.32E-10	2.74E-09	1.29E-08	1.54E-09	1.45E-08	1.33E-09	1.13E-10	1.44E-09
2548	437992.2	3724941	1.26E-08	2.75E-09	1.54E-08	2.50E-09	3.45E-10	2.84E-09	1.34E-08	1.60E-09	1.50E-08	1.38E-09	1.17E-10	1.50E-09
2549	437998.3	3724948	1.31E-08	2.84E-09	1.59E-08	2.59E-09	3.57E-10	2.94E-09	1.39E-08	1.66E-09	1.56E-08	1.43E-09	1.21E-10	1.55E-09
2550	438004.5	3724955	1.35E-08	2.94E-09	1.65E-08	2.67E-09	3.69E-10	3.04E-09	1.44E-08	1.71E-09	1.61E-08	1.48E-09	1.25E-10	1.61E-09
2551	438010.7	3724962	1.40E-08	3.03E-09	1.70E-08	2.76E-09	3.81E-10	3.14E-09	1.48E-08	1.77E-09	1.66E-08	1.53E-09	1.29E-10	1.66E-09
2552	438016.9	3724969	1.44E-08	3.12E-09	1.75E-08	2.84E-09	3.92E-10	3.23E-09	1.53E-08	1.82E-09	1.71E-08	1.57E-09	1.33E-10	1.71E-09
2553	438023	3724976	1.48E-08	3.21E-09	1.80E-08	2.92E-09	4.03E-10	3.32E-09	1.57E-08	1.87E-09	1.76E-08	1.62E-09	1.37E-10	1.75E-09
2554	438029.2	3724982	1.52E-08	3.30E-09	1.85E-08	3.00E-09	4.14E-10	3.41E-09	1.61E-08	1.92E-09	1.80E-08	1.66E-09	1.40E-10	1.80E-09
2555	438035.4	3724989	1.56E-08	3.38E-09	1.89E-08	3.07E-09	4.24E-10	3.50E-09	1.65E-08	1.97E-09	1.85E-08	1.70E-09	1.44E-10	1.84E-09
2556	438041.6	3724996	1.59E-08	3.45E-09	1.93E-08	3.14E-09	4.33E-10	3.57E-09	1.69E-08	2.01E-09	1.89E-08	1.74E-09	1.47E-10	1.88E-09
2557	438047.8	3725003	1.61E-08	3.50E-09	1.96E-08	3.19E-09	4.40E-10	3.63E-09	1.71E-08	2.04E-09	1.92E-08	1.76E-09	1.49E-10	1.91E-09
2558	438053.9	3725010	1.64E-08	3.56E-09	1.99E-08	3.23E-09	4.47E-10	3.68E-09	1.74E-08	2.07E-09	1.95E-08	1.79E-09	1.51E-10	1.94E-09
2559	438091	3725052	1.76E-08	3.81E-09	2.14E-08	3.47E-09	4.79E-10	3.95E-09	1.86E-08	2.22E-09	2.09E-08	1.92E-09	1.62E-10	2.08E-09
2560	437973.6	3724920	1.12E-08	2.44E-09	1.37E-08	2.22E-09	3.06E-10	2.52E-09	1.19E-08	1.42E-09	1.33E-08	1.23E-09	1.04E-10	1.33E-09
2561	437965.9	3724915	1.09E-08	2.36E-09	1.32E-08	2.15E-09	2.96E-10	2.44E-09	1.15E-08	1.38E-09	1.29E-08	1.19E-09	1.00E-10	1.29E-09
2562	437934.8	3724893	9.34E-09	2.03E-09	1.14E-08	1.85E-09	2.55E-10	2.10E-09	9.93E-09	1.18E-09	1.11E-08	1.02E-09	8.64E-11	1.11E-09
2563	437927.1	3724888	8.95E-09	1.95E-09	1.09E-08	1.77E-09	2.44E-10	2.01E-09	9.51E-09	1.13E-09	1.06E-08	9.80E-10	8.28E-11	1.06E-09
2564	437919.3	3724883	8.56E-09	1.86E-09	1.04E-08	1.69E-09	2.34E-10	1.93E-09	9.10E-09	1.08E-09	1.02E-08	9.37E-10	7.92E-11	1.02E-09
2565	437911.6	3724877	8.17E-09	1.78E-09	9.95E-09	1.61E-09	2.23E-10	1.84E-09	8.68E-09	1.04E-09	9.72E-09	8.94E-10	7.56E-11	9.70E-10
2566	437996.7	3724902	9.83E-09	2.14E-09	1.20E-08	1.94E-09	2.68E-10	2.21E-09	1.04E-08	1.24E-09	1.17E-08	1.08E-09	9.09E-11	1.17E-09
2567	438002.7	3724909	1.02E-08	2.22E-09	1.24E-08	2.01E-09	2.78E-10	2.29E-09	1.08E-08	1.29E-09	1.21E-08	1.12E-09	9.43E-11	1.21E-09
2568	438008.8	3724916	1.06E-08	2.31E-09	1.29E-08	2.10E-09	2.90E-10	2.39E-09	1.13E-08	1.34E-09	1.26E-08	1.16E-09	9.81E-11	1.26E-09
2569	438014.8	3724923	1.10E-08	2.39E-09	1.34E-08	2.17E-09	3.00E-10	2.47E-09	1.17E-08	1.39E-09	1.31E-08	1.20E-09	1.02E-10	1.30E-09
2570	438020.9	3724929	1.14E-08	2.47E-09	1.38E-08	2.24E-09	3.10E-10	2.55E-09	1.21E-08	1.44E-09	1.35E-08	1.24E-09	1.05E-10	1.35E-09
2571	438026.9	3724936	1.17E-08	2.54E-09	1.42E-08	2.31E-09	3.19E-10	2.63E-09	1.24E-08	1.48E-09	1.39E-08	1.28E-09	1.08E-10	1.39E-09
2572	438033	3724943	1.20E-08	2.61E-09	1.46E-08	2.37E-09	3.28E-10	2.70E-09	1.28E-08	1.52E-09	1.43E-08	1.31E-09	1.11E-10	1.42E-09
2573	438039	3724950	1.23E-08	2.68E-09	1.50E-08	2.44E-09	3.37E-10	2.77E-09	1.31E-08	1.56E-09	1.47E-08	1.35E-09	1.14E-10	1.46E-09
2574	438045.1	3724956	1.27E-08	2.75E-09	1.54E-08	2.50E-09	3.45E-10	2.85E-09	1.34E-08	1.60E-09	1.50E-08	1.38E-09	1.17E-10	1.50E-09
2575	438051.1	3724963	1.30E-08	2.82E-09	1.58E-08	2.56E-09	3.54E-10	2.92E-09	1.38E-08	1.64E-09	1.54E-08	1.42E-09	1.20E-10	1.54E-09
2576	438057.1	3724970	1.32E-08	2.88E-09	1.61E-08	2.61E-09	3.61E-10	2.98E-09	1.41E-08	1.68E-09	1.57E-08	1.45E-09	1.22E-10	1.57E-09
2577	438063.2	3724977	1.35E-08	2.93E-09	1.64E-08	2.66E-09	3.67E-10	3.03E-09	1.43E-08	1.71E-09	1.60E-08	1.47E-09	1.25E-10	1.60E-09
2578	438069.2	3724984	1.37E-08	2.98E-09	1.67E-08	2.71E-09	3.74E-10	3.08E-09	1.46E-08	1.73E-09	1.63E-08	1.50E-09	1.27E-10	1.63E-09
2579	438075.3	3724990	1.40E-08	3.04E-09	1.70E-08	2.76E-09	3.81E-10	3.14E-09	1.48E-08	1.77E-09	1.66E-08	1.53E-09	1.29E-10	1.66E-09
2580	438032.4	3724898	9.11E-09	1.98E-09	1.11E-08	1.80E-09	2.48E-10	2.05E-09	9.67E-09	1.15E-09	1.08E-08	9.96E-10	8.42E-11	1.08E-09

2581	438038.6	3724905	9.37E-09	2.04E-09	1.14E-08	1.85E-09	2.56E-10	2.11E-09	9.95E-09	1.19E-09	1.11E-08	1.02E-09	8.66E-11	1.11E-09
2582	438044.8	3724912	9.67E-09	2.10E-09	1.18E-08	1.91E-09	2.64E-10	2.17E-09	1.03E-08	1.22E-09	1.15E-08	1.06E-09	8.94E-11	1.15E-09
2583	438051	3724919	9.96E-09	2.16E-09	1.21E-08	1.97E-09	2.72E-10	2.24E-09	1.06E-08	1.26E-09	1.18E-08	1.09E-09	9.21E-11	1.18E-09
2584	438057.2	3724926	1.02E-08	2.22E-09	1.25E-08	2.02E-09	2.79E-10	2.30E-09	1.09E-08	1.30E-09	1.22E-08	1.12E-09	9.46E-11	1.21E-09
2585	438063.4	3724933	1.05E-08	2.28E-09	1.28E-08	2.07E-09	2.86E-10	2.36E-09	1.11E-08	1.33E-09	1.25E-08	1.15E-09	9.70E-11	1.24E-09
2586	438069.6	3724940	1.07E-08	2.33E-09	1.31E-08	2.12E-09	2.93E-10	2.41E-09	1.14E-08	1.36E-09	1.28E-08	1.17E-09	9.93E-11	1.27E-09
2587	438075.8	3724947	1.11E-08	2.40E-09	1.35E-08	2.18E-09	3.02E-10	2.49E-09	1.17E-08	1.40E-09	1.31E-08	1.21E-09	1.02E-10	1.31E-09
2588	438082	3724954	1.14E-08	2.47E-09	1.38E-08	2.24E-09	3.10E-10	2.55E-09	1.21E-08	1.44E-09	1.35E-08	1.24E-09	1.05E-10	1.35E-09
2589	438088.2	3724961	1.17E-08	2.53E-09	1.42E-08	2.30E-09	3.18E-10	2.62E-09	1.24E-08	1.48E-09	1.39E-08	1.28E-09	1.08E-10	1.38E-09
2590	438094.4	3724968	1.19E-08	2.59E-09	1.45E-08	2.36E-09	3.26E-10	2.68E-09	1.27E-08	1.51E-09	1.42E-08	1.31E-09	1.10E-10	1.42E-09
2591	437992.1	3724860	7.61E-09	1.65E-09	9.27E-09	1.50E-09	2.08E-10	1.71E-09	8.09E-09	9.64E-10	9.05E-09	8.33E-10	7.04E-11	9.03E-10
2592	437984.3	3724855	7.43E-09	1.61E-09	9.04E-09	1.47E-09	2.03E-10	1.67E-09	7.89E-09	9.40E-10	8.83E-09	8.12E-10	6.87E-11	8.81E-10
2593	437976.6	3724849	7.20E-09	1.56E-09	8.76E-09	1.42E-09	1.96E-10	1.62E-09	7.65E-09	9.12E-10	8.56E-09	7.88E-10	6.66E-11	8.54E-10
2594	437968.8	3724844	6.94E-09	1.51E-09	8.45E-09	1.37E-09	1.89E-10	1.56E-09	7.37E-09	8.79E-10	8.25E-09	7.59E-10	6.42E-11	8.24E-10
2595	437961.1	3724839	6.70E-09	1.46E-09	8.16E-09	1.32E-09	1.83E-10	1.51E-09	7.12E-09	8.48E-10	7.96E-09	7.33E-10	6.20E-11	7.95E-10
2596	437953.3	3724833	6.46E-09	1.40E-09	7.86E-09	1.28E-09	1.76E-10	1.45E-09	6.86E-09	8.17E-10	7.68E-09	7.06E-10	5.97E-11	7.66E-10
2597	437945.6	3724828	6.19E-09	1.34E-09	7.54E-09	1.22E-09	1.69E-10	1.39E-09	6.58E-09	7.84E-10	7.36E-09	6.77E-10	5.73E-11	7.34E-10
2598	438030.7	3724853	7.17E-09	1.56E-09	8.73E-09	1.42E-09	1.96E-10	1.61E-09	7.62E-09	9.08E-10	8.53E-09	7.85E-10	6.64E-11	8.51E-10
2599	438036.8	3724860	7.40E-09	1.61E-09	9.00E-09	1.46E-09	2.02E-10	1.66E-09	7.86E-09	9.37E-10	8.79E-09	8.09E-10	6.84E-11	8.78E-10
2600	438067.2	3724894	8.47E-09	1.84E-09	1.03E-08	1.67E-09	2.31E-10	1.90E-09	8.99E-09	1.07E-09	1.01E-08	9.26E-10	7.83E-11	1.00E-09
2601	438073.3	3724901	8.68E-09	1.89E-09	1.06E-08	1.71E-09	2.37E-10	1.95E-09	9.22E-09	1.10E-09	1.03E-08	9.49E-10	8.02E-11	1.03E-09
2602	438079.4	3724907	8.89E-09	1.93E-09	1.08E-08	1.76E-09	2.43E-10	2.00E-09	9.45E-09	1.13E-09	1.06E-08	9.73E-10	8.22E-11	1.06E-09
2603	438085.4	3724914	9.13E-09	1.98E-09	1.11E-08	1.80E-09	2.49E-10	2.05E-09	9.70E-09	1.16E-09	1.09E-08	9.99E-10	8.44E-11	1.08E-09
2604	438091.5	3724921	9.36E-09	2.03E-09	1.14E-08	1.85E-09	2.55E-10	2.10E-09	9.94E-09	1.19E-09	1.11E-08	1.02E-09	8.66E-11	1.11E-09
2605	438097.6	3724928	9.59E-09	2.08E-09	1.17E-08	1.89E-09	2.62E-10	2.15E-09	1.02E-08	1.21E-09	1.14E-08	1.05E-09	8.87E-11	1.14E-09
2606	438103.7	3724935	9.78E-09	2.12E-09	1.19E-08	1.93E-09	2.67E-10	2.20E-09	1.04E-08	1.24E-09	1.16E-08	1.07E-09	9.05E-11	1.16E-09
2607	438024.6	3724846	6.95E-09	1.51E-09	8.46E-09	1.37E-09	1.90E-10	1.56E-09	7.39E-09	8.80E-10	8.27E-09	7.61E-10	6.43E-11	8.25E-10
2608	438016.9	3724841	6.77E-09	1.47E-09	8.24E-09	1.34E-09	1.85E-10	1.52E-09	7.19E-09	8.57E-10	8.04E-09	7.40E-10	6.26E-11	8.03E-10
2609	438009.1	3724835	6.58E-09	1.43E-09	8.00E-09	1.30E-09	1.79E-10	1.48E-09	6.99E-09	8.33E-10	7.82E-09	7.19E-10	6.08E-11	7.80E-10
2610	438001.3	3724830	6.39E-09	1.39E-09	7.78E-09	1.26E-09	1.74E-10	1.44E-09	6.79E-09	8.09E-10	7.60E-09	6.99E-10	5.91E-11	7.58E-10
2611	437993.6	3724825	6.20E-09	1.35E-09	7.54E-09	1.22E-09	1.69E-10	1.39E-09	6.58E-09	7.84E-10	7.37E-09	6.78E-10	5.73E-11	7.35E-10
2612	437985.8	3724819	5.99E-09	1.30E-09	7.30E-09	1.18E-09	1.64E-10	1.35E-09	6.37E-09	7.59E-10	7.13E-09	6.56E-10	5.54E-11	7.11E-10
2613	437978.1	3724814	5.80E-09	1.26E-09	7.05E-09	1.14E-09	1.58E-10	1.30E-09	6.16E-09	7.34E-10	6.89E-09	6.34E-10	5.36E-11	6.88E-10
2614	437970.3	3724809	5.61E-09	1.22E-09	6.83E-09	1.11E-09	1.53E-10	1.26E-09	5.96E-09	7.10E-10	6.67E-09	6.14E-10	5.19E-11	6.66E-10
2615	437962.6	3724803	5.42E-09	1.18E-09	6.60E-09	1.07E-09	1.48E-10	1.22E-09	5.76E-09	6.86E-10	6.44E-09	5.93E-10	5.01E-11	6.43E-10
2616	438190.8	3724988	1.05E-08	2.27E-09	1.27E-08	2.06E-09	2.85E-10	2.35E-09	1.11E-08	1.32E-09	1.24E-08	1.14E-09	9.67E-11	1.24E-09
2617	438197	3724995	1.06E-08	2.31E-09	1.29E-08	2.10E-09	2.90E-10	2.39E-09	1.13E-08	1.35E-09	1.26E-08	1.16E-09	9.83E-11	1.26E-09
2618	438018.3	3724805	5.59E-09	1.21E-09	6.80E-09	1.10E-09	1.53E-10	1.26E-09	5.94E-09	7.08E-10	6.65E-09	6.11E-10	5.17E-11	6.63E-10
2619	438010.6	3724800	5.42E-09	1.18E-09	6.60E-09	1.07E-09	1.48E-10	1.22E-09	5.76E-09	6.86E-10	6.44E-09	5.93E-10	5.01E-11	6.43E-10
2620	438002.8	3724795	5.25E-09	1.14E-09	6.39E-09	1.04E-09	1.43E-10	1.18E-09	5.58E-09	6.65E-10	6.24E-09	5.74E-10	4.86E-11	6.23E-10
2621	437995.1	3724789	5.08E-09	1.10E-09	6.19E-09	1.00E-09	1.39E-10	1.14E-09	5.40E-09	6.43E-10	6.04E-09	5.56E-10	4.70E-11	6.03E-10
2622	437987.3	3724784	4.91E-09	1.07E-09	5.98E-09	9.70E-10	1.34E-10	1.10E-09	5.21E-09	6.22E-10	5.84E-09	5.37E-10	4.54E-11	5.82E-10
2623	437979.6	3724779	4.73E-09	1.03E-09	5.75E-09	9.33E-10	1.29E-10	1.06E-09	5.02E-09	5.98E-10	5.62E-09	5.17E-10	4.37E-11	5.61E-10
2624	438107.5	3724851	6.73E-09	1.46E-09	8.19E-09	1.33E-09	1.84E-10	1.51E-09	7.15E-09	8.52E-10	8.00E-09	7.36E-10	6.23E-11	7.99E-10
2625	438113.6	3724858	6.89E-09	1.50E-09	8.39E-09	1.36E-09	1.88E-10	1.55E-09	7.32E-09	8.73E-10	8.20E-09	7.54E-10	6.38E-11	8.18E-10
2626	438119.7	3724865	7.05E-09	1.53E-09	8.59E-09	1.39E-09	1.92E-10	1.59E-09	7.49E-09	8.93E-10	8.38E-09	7.72E-10	6.52E-11	8.37E-10
2627	438125.8	3724872	7.21E-09	1.57E-09	8.77E-09	1.42E-09	1.97E-10	1.62E-09	7.66E-09	9.13E-10	8.57E-09	7.88E-10	6.67E-11	8.55E-10
2628	438131.9	3724879	7.35E-09	1.60E-09	8.95E-09	1.45E-09	2.01E-10	1.65E-09	7.81E-09	9.31E-10	8.74E-09	8.04E-10	6.80E-11	8.72E-10
2629	438138	3724886	7.48E-09	1.63E-09	9.11E-09	1.48E-09	2.04E-10	1.68E-09	7.95E-09	9.48E-10	8.90E-09	8.19E-10	6.92E-11	8.88E-10
2630	438144.1	3724892	7.61E-09	1.65E-09	9.27E-09	1.50E-09	2.08E-10	1.71E-09	8.09E-09	9.64E-10	9.05E-09	8.33E-10	7.04E-11	9.03E-10
2631	438150.2	3724899	7.74E-09	1.68E-09	9.42E-09	1.53E-09	2.11E-10	1.74E-09	8.22E-09	9.80E-10	9.20E-09	8.47E-10	7.16E-11	9.19E-10
2632	438156.4	3724906	7.87E-09	1.71E-09	9.58E-09	1.55E-09	2.15E-10	1.77E-09	8.36E-09	9.96E-10	9.35E-09	8.61E-10	7.28E-11	9.33E-10
2633	438162.5	3724913	7.99E-09	1.74E-09	9.72E-09	1.58E-09	2.18E-10	1.80E-09	8.48E-09	1.01E-09	9.49E-09	8.74E-10	7.39E-11	9.48E-10
2634	438168.6	3724920	8.11E-09	1.76E-09	9.87E-09	1.60E-09	2.21E-10	1.82E-09	8.61E-09	1.03E-09	9.64E-09	8.87E-10	7.50E-11	9.62E-10
2635	438081.8	3724779	4.88E-09	1.06E-09	5.94E-09	9.64E-10	1.33E-10	1.10E-09	5.18E-09	6.18E-10	5.80E-09	5.34E-10	4.51E-11	5.79E-10
2636	438088	3724786	5.04E-09	1.09E-09	6.13E-09	9.95E-10	1.37E-10	1.13E-09	5.35E-09	6.38E-10	5.99E-09	5.51E-10	4.66E-11	5.98E-10
2637	438094.3	3724793	5.19E-09	1.13E-09	6.31E-09	1.02E-09	1.41E-10	1.17E-09	5.51E-09	6.57E-10	6.16E-09	5.67E-10	4.80E-11	6.15E-10
2638	438100.5	3724800	5.33E-09	1.16E-09	6.49E-09	1.05E-09	1.45E-10	1.20E-09	5.66E-09	6.75E-10	6.34E-09	5.83E-10	4.93E-11	6.33E-10
2639	438106.7	3724807	5.48E-09	1.19E-09	6.67E-09	1.08E-09	1.50E-10	1.23E-09	5.82E-09	6.94E-10	6.51E-09	5.99E-10	5.07E-11	6.50E-10
2640	438113	3724814	5.63E-09	1.22E-09	6.86E-09	1.11E-09	1.54E-10	1.27E-09	5.98E-09	7.13E-10	6.70E-09	6.16E-10	5.21E-11	6.68E-10
2641	438119.2	3724821	5.79E-09	1.26E-09	7.05E-09	1.14E-09	1.58E-10	1.30E-09	6.15E-09	7.33E-10	6.89E-09	6.34E-10	5.36E-11	6.87E-10
2642	438125.4	3724828	5.95E-09	1.29E-09	7.25E-09	1.18E-09	1.62E-10	1.34E-09	6.32E-09	7.54E-10	7.08E-09	6.51E-10	5.51E-11	7.06E-10
2643	438131.6	3724835	6.11E-09	1.33E-09	7.44E-09	1.21E-09	1.67E-10	1.37E-09	6.49E-09	7.74E-10	7.26E-09	6.68E-10	5.65E-11	7.25E-10
2644	438137.9	3724842	6.26E-09	1.36E-09	7.62E-09	1.24E-09	1.71E-10	1.41E-09	6.65E-09	7.93E-10	7.44E-09	6.85E-10	5.79E-11	7.43E-10
2645	438144.1	3724849	6.40E-09	1.39E-09	7.79E-09	1.26E-09	1.75E-10	1.44E-09	6.80E-09	8.11E-10	7.61E-09	7.00E-10	5.92E-11	7.60E-10
2646	438150.3	3724856	6.53E-09	1.42E-09	7.95E-09	1.29E-09	1.78E-10	1.47E-09	6.94E-09	8.27E-10	7.76E-09	7.14E-10	6.04E-11	7.75E-10
2647	438156.5	3724863	6.66E-09	1.45E-09	8.10E-09	1.31E-09	1.82E-10	1.50E-09	7.07E-09	8.43E-10	7.91E-09	7.28E-10	6.16E-11	7.90E-10
2648	438162.8	3724870	6.77E-09	1.47E-09	8.24E-09	1.34E-09	1.85E-10	1.52E-09	7.19E-09	8.58E-10	8.05E-09	7.41E-10	6.26E-11	8.04E-10
2649	438169	3724877	6.88E-09	1.50E-09	8.38E-09	1.36E-09	1.88E-10	1.55E-09	7.31E-09	8.72E-10	8.18E-09	7.53E-10	6.37E-11	8.17E-10
2650	438175.2	3724884	6.99E-09	1.52E-09	8.51E-09	1.38E-09	1.91E-10	1.57E-09	7.43E-09	8.85E-10	8.31E-09	7.65E-10	6.47E-11	8.29E-10
2651	438181.5	3724891	7.10E-09	1.54E-09	8.64E-09	1.40E-09	1.94E-10	1.60E-09	7.54E-09	8.99E-10	8.44E-09	7.76E-10	6.56E-11	8.42E-10
2652	438075.6	3724772	4.72E-09	1.03E-09	5.75E-09	9.33E-10	1.29E-10	1.06E-09	5.02E-09	5.98E-10	5.61E-09	5.17E-10	4.37E-11	5.60E-10
2653	438067.8	3724766	4.61E-09	1.00E-09	5.61E-09	9.10E-10	1.26E-10	1.04E-09	4.89E-09	5.83E-10	5.47E-09	5.04E-10	4.26E-11	5.46E-10
2654	438060.1	3724761	4.49E-09	9.76E-10	5.47E-09	8.87E-10	1.23E-10	1.01E-09	4.77E-09	5.69E-10	5.34E-09	4.91E-10	4.15E-11	5.33E-10
2655	438052.3	3724756	4.38E-09	9.51E-10	5.33E-09	8.65E-10	1.19E-10	9.84E-10	4.65E-09	5.54E-10	5.20E-09	4.79E-10	4.05E-11	5.19E-10
2656	438044.6	3724750	4.24E-09	9.22E-10	5.17E-09	8.38E-10	1.16E-10	9.54E-10	4.51E-09	5.37E-10	5.04E-09	4.64E-10	3.92E-11	5.03E-10

2657	438036.8	3724745	4.10E-09	8.91E-10	4.99E-09	8.10E-10	1.12E-10	9.22E-10	4.36E-09	5.19E-10	4.88E-09	4.49E-10	3.79E-11	4.87E-10
2658	438029.1	3724740	3.95E-09	8.58E-10	4.81E-09	7.80E-10	1.08E-10	8.88E-10	4.20E-09	5.00E-10	4.70E-09	4.32E-10	3.65E-11	4.69E-10
2659	438021.3	3724734	3.80E-09	8.26E-10	4.63E-09	7.51E-10	1.04E-10	8.55E-10	4.04E-09	4.82E-10	4.52E-09	4.16E-10	3.52E-11	4.51E-10
2660	438013.6	3724729	3.66E-09	7.96E-10	4.46E-09	7.23E-10	9.99E-11	8.23E-10	3.89E-09	4.64E-10	4.35E-09	4.01E-10	3.39E-11	4.34E-10
2661	438098.7	3724754	4.31E-09	9.37E-10	5.25E-09	8.52E-10	1.18E-10	9.70E-10	4.58E-09	5.46E-10	5.13E-09	4.72E-10	3.99E-11	5.12E-10
2662	438104.9	3724761	4.45E-09	9.67E-10	5.42E-09	8.79E-10	1.21E-10	1.00E-09	4.73E-09	5.63E-10	5.29E-09	4.87E-10	4.12E-11	5.28E-10
2663	438111	3724768	4.58E-09	9.95E-10	5.57E-09	9.05E-10	1.25E-10	1.03E-09	4.86E-09	5.80E-10	5.44E-09	5.01E-10	4.24E-11	5.43E-10
2664	438117.1	3724775	4.71E-09	1.02E-09	5.73E-09	9.31E-10	1.29E-10	1.06E-09	5.00E-09	5.97E-10	5.60E-09	5.15E-10	4.36E-11	5.59E-10
2665	438123.2	3724781	4.84E-09	1.05E-09	5.89E-09	9.56E-10	1.32E-10	1.09E-09	5.14E-09	6.13E-10	5.76E-09	5.30E-10	4.48E-11	5.75E-10
2666	438129.4	3724788	4.97E-09	1.08E-09	6.05E-09	9.82E-10	1.36E-10	1.12E-09	5.28E-09	6.30E-10	5.91E-09	5.44E-10	4.60E-11	5.90E-10
2667	438135.5	3724795	5.11E-09	1.11E-09	6.22E-09	1.01E-09	1.39E-10	1.15E-09	5.42E-09	6.47E-10	6.07E-09	5.59E-10	4.72E-11	6.06E-10
2668	438141.6	3724802	5.24E-09	1.14E-09	6.37E-09	1.03E-09	1.43E-10	1.18E-09	5.56E-09	6.63E-10	6.22E-09	5.73E-10	4.84E-11	6.21E-10
2669	438147.8	3724809	5.36E-09	1.17E-09	6.53E-09	1.06E-09	1.46E-10	1.21E-09	5.70E-09	6.79E-10	6.37E-09	5.87E-10	4.96E-11	6.36E-10
2670	438153.9	3724816	5.48E-09	1.19E-09	6.68E-09	1.08E-09	1.50E-10	1.23E-09	5.83E-09	6.94E-10	6.52E-09	6.00E-10	5.07E-11	6.51E-10
2671	438160	3724823	5.61E-09	1.22E-09	6.83E-09	1.11E-09	1.53E-10	1.26E-09	5.96E-09	7.11E-10	6.67E-09	6.14E-10	5.19E-11	6.66E-10
2672	438166.2	3724830	5.74E-09	1.25E-09	6.99E-09	1.13E-09	1.57E-10	1.29E-09	6.10E-09	7.27E-10	6.82E-09	6.28E-10	5.31E-11	6.81E-10
2673	438172.3	3724836	5.86E-09	1.27E-09	7.13E-09	1.16E-09	1.60E-10	1.32E-09	6.22E-09	7.42E-10	6.96E-09	6.41E-10	5.42E-11	6.95E-10
2674	438178.4	3724843	5.97E-09	1.30E-09	7.27E-09	1.18E-09	1.63E-10	1.34E-09	6.34E-09	7.56E-10	7.10E-09	6.53E-10	5.52E-11	7.08E-10
2675	438092.6	3724747	4.16E-09	9.05E-10	5.07E-09	8.22E-10	1.14E-10	9.36E-10	4.42E-09	5.27E-10	4.95E-09	4.56E-10	3.85E-11	4.94E-10
2676	438084.8	3724742	4.05E-09	8.80E-10	4.93E-09	8.00E-10	1.10E-10	9.10E-10	4.30E-09	5.13E-10	4.81E-09	4.43E-10	3.74E-11	4.80E-10
2677	438077.1	3724736	3.93E-09	8.55E-10	4.79E-09	7.77E-10	1.07E-10	8.84E-10	4.18E-09	4.98E-10	4.68E-09	4.30E-10	3.64E-11	4.67E-10
2678	438069.3	3724731	3.82E-09	8.29E-10	4.65E-09	7.54E-10	1.04E-10	8.58E-10	4.05E-09	4.83E-10	4.54E-09	4.18E-10	3.53E-11	4.53E-10
2679	438061.6	3724726	3.70E-09	8.04E-10	4.51E-09	7.31E-10	1.01E-10	8.32E-10	3.93E-09	4.69E-10	4.40E-09	4.05E-10	3.42E-11	4.39E-10
2680	438053.8	3724720	3.59E-09	7.79E-10	4.37E-09	7.08E-10	9.79E-11	8.06E-10	3.81E-09	4.54E-10	4.26E-09	3.92E-10	3.32E-11	4.26E-10
2681	438046.1	3724715	3.47E-09	7.54E-10	4.22E-09	6.85E-10	9.47E-11	7.80E-10	3.69E-09	4.39E-10	4.13E-09	3.80E-10	3.21E-11	4.12E-10
2682	438038.3	3724710	3.35E-09	7.28E-10	4.08E-09	6.62E-10	9.15E-11	7.54E-10	3.56E-09	4.24E-10	3.99E-09	3.67E-10	3.10E-11	3.98E-10
2683	438030.5	3724704	3.23E-09	7.02E-10	3.93E-09	6.38E-10	8.81E-11	7.26E-10	3.43E-09	4.09E-10	3.84E-09	3.53E-10	2.99E-11	3.83E-10
2684	438133.7	3724735	3.88E-09	8.43E-10	4.72E-09	7.66E-10	1.06E-10	8.72E-10	4.12E-09	4.91E-10	4.61E-09	4.24E-10	3.59E-11	4.60E-10
2685	438139.8	3724742	4.00E-09	8.69E-10	4.87E-09	7.90E-10	1.09E-10	8.99E-10	4.25E-09	5.06E-10	4.75E-09	4.37E-10	3.70E-11	4.74E-10
2686	438146	3724749	4.12E-09	8.94E-10	5.01E-09	8.13E-10	1.12E-10	9.25E-10	4.37E-09	5.21E-10	4.89E-09	4.50E-10	3.81E-11	4.88E-10
2687	438152.1	3724755	4.23E-09	9.19E-10	5.15E-09	8.36E-10	1.15E-10	9.51E-10	4.49E-09	5.36E-10	5.03E-09	4.63E-10	3.91E-11	5.02E-10
2688	438061	3724677	2.88E-09	6.25E-10	3.50E-09	5.69E-10	7.85E-11	6.47E-10	3.06E-09	3.65E-10	3.42E-09	3.15E-10	2.66E-11	3.42E-10
2689	438053.2	3724671	2.79E-09	6.05E-10	3.39E-09	5.50E-10	7.60E-11	6.26E-10	2.96E-09	3.53E-10	3.31E-09	3.05E-10	2.58E-11	3.30E-10
2690	437653.6	3725160	1.36E-07	2.95E-08	1.65E-07	2.68E-08	3.71E-09	3.06E-08	1.44E-07	1.72E-08	1.62E-07	1.49E-08	1.26E-09	1.61E-08
2691	437639.3	3725150	8.26E-08	1.80E-08	1.01E-07	1.63E-08	2.25E-09	1.86E-08	8.78E-08	1.05E-08	9.82E-08	9.04E-09	7.64E-10	9.80E-09
2692	437688	3725172	2.23E-07	4.84E-08	2.71E-07	4.40E-08	6.08E-09	5.01E-08	2.37E-07	2.82E-08	2.65E-07	2.44E-08	2.06E-09	2.64E-08
2693	437673.7	3725162	1.63E-07	3.55E-08	1.99E-07	3.22E-08	4.45E-09	3.67E-08	1.73E-07	2.07E-08	1.94E-07	1.79E-08	1.51E-09	1.94E-08
2694	437659.4	3725152	1.07E-07	2.32E-08	1.30E-07	2.11E-08	2.92E-09	2.41E-08	1.14E-07	1.35E-08	1.27E-07	1.17E-08	9.90E-10	1.27E-08
2695	437645.1	3725142	6.73E-08	1.46E-08	8.19E-08	1.33E-08	1.84E-09	1.51E-08	7.15E-08	8.52E-09	8.00E-08	7.36E-09	6.23E-10	7.99E-09
2696	437693.8	3725164	1.74E-07	3.79E-08	2.12E-07	3.44E-08	4.76E-09	3.92E-08	1.85E-07	2.21E-08	2.07E-07	1.91E-08	1.61E-09	2.07E-08
2697	437679.5	3725154	1.28E-07	2.79E-08	1.56E-07	2.53E-08	3.50E-09	2.88E-08	1.36E-07	1.62E-08	1.53E-07	1.40E-08	1.19E-09	1.52E-08
2698	437665.2	3725144	8.77E-08	1.90E-08	1.07E-07	1.73E-08	2.39E-09	1.97E-08	9.31E-08	1.11E-08	1.04E-07	9.59E-09	8.11E-10	1.04E-08
2699	437650.9	3725133	5.69E-08	1.24E-08	6.92E-08	1.12E-08	1.55E-09	1.28E-08	6.04E-08	7.20E-09	6.76E-08	6.22E-09	5.26E-10	6.75E-09
2700	437699.7	3725156	1.41E-07	3.06E-08	1.71E-07	2.78E-08	3.84E-09	3.17E-08	1.50E-07	1.78E-08	1.67E-07	1.54E-08	1.30E-09	1.67E-08
2701	437685.4	3725146	1.05E-07	2.28E-08	1.28E-07	2.07E-08	2.86E-09	2.36E-08	1.12E-07	1.33E-08	1.25E-07	1.15E-08	9.71E-10	1.25E-08
2702	437671.1	3725136	7.48E-08	1.62E-08	9.10E-08	1.48E-08	2.04E-09	1.68E-08	7.94E-08	9.47E-09	8.89E-08	8.18E-09	6.91E-10	8.87E-09
2703	437656.8	3725125	5.00E-08	1.09E-08	6.09E-08	9.88E-09	1.37E-09	1.12E-08	5.32E-08	6.34E-09	5.95E-08	5.47E-09	4.63E-10	5.94E-09
2704	437705.5	3725148	1.17E-07	2.53E-08	1.42E-07	2.30E-08	3.18E-09	2.62E-08	1.24E-07	1.48E-08	1.39E-07	1.28E-08	1.08E-09	1.38E-08
2705	437691.2	3725138	9.00E-08	1.95E-08	1.10E-07	1.78E-08	2.45E-09	2.02E-08	9.56E-08	1.14E-08	1.07E-07	9.84E-09	8.32E-10	1.07E-08
2706	437676.9	3725127	6.52E-08	1.42E-08	7.93E-08	1.29E-08	1.78E-09	1.46E-08	6.92E-08	8.25E-09	7.75E-08	7.13E-09	6.03E-10	7.73E-09
2707	437662.6	3725117	4.48E-08	9.73E-09	5.45E-08	8.84E-09	1.22E-09	1.01E-08	4.76E-08	5.67E-09	5.32E-08	4.90E-09	4.14E-10	5.31E-09
2708	437711.3	3725140	1.00E-07	2.18E-08	1.22E-07	1.98E-08	2.73E-09	2.25E-08	1.06E-07	1.27E-08	1.19E-07	1.10E-08	9.27E-10	1.19E-08
2709	437697	3725130	7.85E-08	1.71E-08	9.56E-08	1.55E-08	2.14E-09	1.76E-08	8.34E-08	9.94E-09	9.33E-08	8.59E-09	7.26E-10	9.32E-09
2710	437682.7	3725119	5.79E-08	1.26E-08	7.05E-08	1.14E-08	1.58E-09	1.30E-08	6.15E-08	7.33E-09	6.88E-08	6.33E-09	5.35E-10	6.87E-09
2711	437668.4	3725109	4.23E-08	9.18E-09	5.15E-08	8.35E-09	1.15E-09	9.50E-09	4.49E-08	5.35E-09	5.03E-08	4.62E-09	3.91E-10	5.02E-09
2712	437717.2	3725132	8.72E-08	1.89E-08	1.06E-07	1.72E-08	2.38E-09	1.96E-08	9.26E-08	1.10E-08	1.04E-07	9.54E-09	8.06E-10	1.03E-08
2713	437702.9	3725121	6.96E-08	1.51E-08	8.47E-08	1.38E-08	1.90E-09	1.56E-08	7.39E-08	8.82E-09	8.28E-08	7.62E-09	6.44E-10	8.26E-09
2714	437688.6	3725111	5.28E-08	1.15E-08	6.42E-08	1.04E-08	1.44E-09	1.19E-08	5.61E-08	6.68E-09	6.27E-08	5.77E-09	4.88E-10	6.26E-09
2715	437674.3	3725101	4.04E-08	8.79E-09	4.92E-08	7.99E-09	1.10E-09	9.09E-09	4.30E-08	5.12E-09	4.81E-08	4.42E-09	3.74E-10	4.80E-09
2716	437723	3725124	7.60E-08	1.65E-08	9.25E-08	1.50E-08	2.07E-09	1.71E-08	8.07E-08	9.62E-09	9.03E-08	8.31E-09	7.03E-10	9.01E-09
2717	437708.7	3725113	6.24E-08	1.36E-08	7.59E-08	1.23E-08	1.70E-09	1.40E-08	6.63E-08	7.90E-09	7.42E-08	6.82E-09	5.77E-10	7.40E-09
2718	437694.4	3725103	4.85E-08	1.05E-08	5.90E-08	9.58E-09	1.32E-09	1.09E-08	5.15E-08	6.14E-09	5.77E-08	5.31E-09	4.49E-10	5.75E-09
2719	437680.1	3725093	3.90E-08	8.48E-09	4.75E-08	7.71E-09	1.06E-09	8.77E-09	4.14E-08	4.94E-09	4.64E-08	4.27E-09	3.61E-10	4.63E-09
2720	437728.8	3725115	6.63E-08	1.44E-08	8.08E-08	1.31E-08	1.81E-09	1.49E-08	7.05E-08	8.40E-09	7.89E-08	7.26E-09	6.14E-10	7.87E-09
2721	437714.5	3725105	5.50E-08	1.19E-08	6.69E-08	1.09E-08	1.50E-09	1.24E-08	5.84E-08	6.96E-09	6.54E-08	6.02E-09	5.09E-10	6.52E-09
2722	437700.2	3725095	4.44E-08	9.64E-09	5.40E-08	8.76E-09	1.21E-09	9.97E-09	4.71E-08	5.62E-09	5.27E-08	4.85E-09	4.10E-10	5.26E-09
2723	437685.9	3725085	3.53E-08	7.66E-09	4.29E-08	6.96E-09	9.62E-10	7.93E-09	3.75E-08	4.46E-09	4.19E-08	3.86E-09	3.26E-10	4.18E-09
2724	437734.7	3725107	5.84E-08	1.27E-08	7.11E-08	1.15E-08	1.59E-09	1.31E-08	6.20E-08	7.40E-09	6.94E-08	6.39E-09	5.40E-10	6.93E-09
2725	437720.4	3725097	4.87E-08	1.06E-08	5.93E-08	9.63E-09	1.33E-09	1.10E-08	5.18E-08	6.17E-09	5.79E-08	5.33E-09	4.51E-10	5.78E-09
2726	437706.1	3725087	4.03E-08	8.75E-09	4.90E-08	7.95E-09	1.10E-09	9.05E-09	4.28E-08	5.10E-09	4.79E-08	4.41E-09	3.72E-10	4.78E-09
2727	437691.8	3725077	3.19E-08	6.94E-09	3.89E-08	6.31E-09	8.71E-10	7.18E-09	3.39E-08	4.04E-09	3.80E-08	3.49E-09	2.95E-10	3.79E-09
2728	437793	3725026	2.43E-08	5.28E-09	2.96E-08	4.80E-09	6.63E-10	5.47E-09	2.58E-08	3.08E-09	2.89E-08	2.66E-09	2.25E-10	2.88E-09
2729	437778.7	3725016	2.09E-08	4.54E-09	2.55E-08	4.13E-09	5.71E-10	4.70E-09	2.22E-08	2.65E-09	2.49E-08	2.29E-09	1.93E-10	2.48E-09
2730	437764.4	3725006	1.78E-08	3.86E-09	2.16E-08	3.51E-09	4.84E-10	3.99E-09	1.89E-08	2.25E-09	2.11E-08	1.94E-09	1.64E-10	2.11E-09
2731	437750.1	3724995	1.49E-08	3.23E-09	1.81E-08	2.94E-09	4.06E-10	3.34E-09	1.58E-08	1.88E-09	1.77E-08	1.63E-09	1.38E-10	1.76E-09
2732	437804.7	3725010	2.09E-08	4.55E-09	2.55E-08	4.13E-09	5.71E-10	4.71E-09	2.22E-08	2.65E-09	2.49E-08	2.29E-09	1.94E-10	2.48E-09

2733	437790.4	3725000	1.82E-08	3.94E-09	2.21E-08	3.59E-09	4.95E-10	4.08E-09	1.93E-08	2.30E-09	2.16E-08	1.99E-09	1.68E-10	2.15E-09
2734	437776.1	3724989	1.55E-08	3.38E-09	1.89E-08	3.07E-09	4.24E-10	3.49E-09	1.65E-08	1.97E-09	1.85E-08	1.70E-09	1.44E-10	1.84E-09
2735	437761.8	3724979	1.31E-08	2.86E-09	1.60E-08	2.60E-09	3.59E-10	2.96E-09	1.40E-08	1.66E-09	1.56E-08	1.44E-09	1.22E-10	1.56E-09
2736	437816.3	3724994	1.82E-08	3.95E-09	2.21E-08	3.59E-09	4.96E-10	4.09E-09	1.93E-08	2.30E-09	2.16E-08	1.99E-09	1.68E-10	2.16E-09
2737	437787.7	3724973	1.37E-08	2.98E-09	1.67E-08	2.71E-09	3.74E-10	3.08E-09	1.46E-08	1.73E-09	1.63E-08	1.50E-09	1.27E-10	1.63E-09
2738	437773.4	3724963	1.17E-08	2.54E-09	1.42E-08	2.31E-09	3.19E-10	2.63E-09	1.24E-08	1.48E-09	1.39E-08	1.28E-09	1.08E-10	1.39E-09
2739	437813.7	3724967	1.40E-08	3.04E-09	1.70E-08	2.76E-09	3.82E-10	3.14E-09	1.49E-08	1.77E-09	1.66E-08	1.53E-09	1.29E-10	1.66E-09
2740	437839.7	3724961	1.40E-08	3.05E-09	1.71E-08	2.77E-09	3.83E-10	3.15E-09	1.49E-08	1.78E-09	1.67E-08	1.53E-09	1.30E-10	1.66E-09
2741	437825.4	3724951	1.24E-08	2.70E-09	1.51E-08	2.45E-09	3.39E-10	2.79E-09	1.32E-08	1.57E-09	1.47E-08	1.36E-09	1.15E-10	1.47E-09
2742	437811.1	3724941	1.09E-08	2.36E-09	1.32E-08	2.15E-09	2.97E-10	2.44E-09	1.15E-08	1.38E-09	1.29E-08	1.19E-09	1.01E-10	1.29E-09
2743	437796.8	3724930	9.44E-09	2.05E-09	1.15E-08	1.86E-09	2.57E-10	2.12E-09	1.00E-08	1.19E-09	1.12E-08	1.03E-09	8.73E-11	1.12E-09
2744	437851.3	3724945	1.25E-08	2.71E-09	1.52E-08	2.46E-09	3.40E-10	2.80E-09	1.32E-08	1.58E-09	1.48E-08	1.36E-09	1.15E-10	1.48E-09
2745	437837	3724935	1.11E-08	2.41E-09	1.35E-08	2.19E-09	3.02E-10	2.49E-09	1.18E-08	1.40E-09	1.32E-08	1.21E-09	1.02E-10	1.31E-09
2746	437822.7	3724924	9.77E-09	2.12E-09	1.19E-08	1.93E-09	2.66E-10	2.20E-09	1.04E-08	1.24E-09	1.16E-08	1.07E-09	9.03E-11	1.16E-09
2747	437808.4	3724914	8.54E-09	1.86E-09	1.04E-08	1.69E-09	2.33E-10	1.92E-09	9.07E-09	1.08E-09	1.02E-08	9.34E-10	7.90E-11	1.01E-09
2748	437868.9	3724921	1.05E-08	2.29E-09	1.28E-08	2.08E-09	2.87E-10	2.37E-09	1.12E-08	1.33E-09	1.25E-08	1.15E-09	9.74E-11	1.25E-09
2749	437854.5	3724910	9.43E-09	2.05E-09	1.15E-08	1.86E-09	2.57E-10	2.12E-09	1.00E-08	1.19E-09	1.12E-08	1.03E-09	8.72E-11	1.12E-09
2750	437840.2	3724900	8.39E-09	1.82E-09	1.02E-08	1.66E-09	2.29E-10	1.89E-09	8.91E-09	1.06E-09	9.97E-09	9.18E-10	7.76E-11	9.95E-10
2751	437825.9	3724890	7.41E-09	1.61E-09	9.02E-09	1.46E-09	2.02E-10	1.67E-09	7.87E-09	9.38E-10	8.81E-09	8.11E-10	6.85E-11	8.79E-10
2752	437886.4	3724896	9.01E-09	1.96E-09	1.10E-08	1.78E-09	2.46E-10	2.02E-09	9.57E-09	1.14E-09	1.07E-08	9.85E-10	8.33E-11	1.07E-09
2753	437872	3724886	8.12E-09	1.76E-09	9.89E-09	1.60E-09	2.22E-10	1.83E-09	8.63E-09	1.03E-09	9.66E-09	8.88E-10	7.51E-11	9.64E-10
2754	437857.7	3724876	7.28E-09	1.58E-09	8.86E-09	1.44E-09	1.99E-10	1.64E-09	7.73E-09	9.21E-10	8.65E-09	7.96E-10	6.73E-11	8.63E-10
2755	437843.4	3724865	6.48E-09	1.41E-09	7.89E-09	1.28E-09	1.77E-10	1.46E-09	6.88E-09	8.21E-10	7.71E-09	7.09E-10	5.99E-11	7.69E-10
2756	437899.9	3724832	5.89E-09	1.28E-09	7.17E-09	1.16E-09	1.61E-10	1.32E-09	6.26E-09	7.46E-10	7.01E-09	6.45E-10	5.45E-11	6.99E-10
2757	437885.6	3724822	5.34E-09	1.16E-09	6.50E-09	1.05E-09	1.46E-10	1.20E-09	5.67E-09	6.76E-10	6.34E-09	5.84E-10	4.94E-11	6.33E-10
2758	437931.7	3724818	5.70E-09	1.24E-09	6.94E-09	1.13E-09	1.56E-10	1.28E-09	6.06E-09	7.22E-10	6.78E-09	6.24E-10	5.27E-11	6.77E-10
2759	437917.4	3724808	5.22E-09	1.13E-09	6.35E-09	1.03E-09	1.42E-10	1.17E-09	5.54E-09	6.60E-10	6.20E-09	5.71E-10	4.82E-11	6.19E-10
2760	437903.1	3724797	4.75E-09	1.03E-09	5.78E-09	9.38E-10	1.30E-10	1.07E-09	5.04E-09	6.01E-10	5.64E-09	5.19E-10	4.39E-11	5.63E-10
2761	437949.2	3724794	5.06E-09	1.10E-09	6.15E-09	9.99E-10	1.38E-10	1.14E-09	5.37E-09	6.40E-10	6.01E-09	5.53E-10	4.68E-11	6.00E-10
2762	437934.9	3724783	4.64E-09	1.01E-09	5.65E-09	9.17E-10	1.27E-10	1.04E-09	4.93E-09	5.88E-10	5.52E-09	5.08E-10	4.29E-11	5.51E-10
2763	437920.6	3724773	4.25E-09	9.23E-10	5.17E-09	8.39E-10	1.16E-10	9.55E-10	4.51E-09	5.38E-10	5.05E-09	4.65E-10	3.93E-11	5.04E-10
2764	437966.7	3724769	4.42E-09	9.61E-10	5.38E-09	8.73E-10	1.21E-10	9.94E-10	4.70E-09	5.60E-10	5.26E-09	4.84E-10	4.09E-11	5.25E-10
2765	437952.4	3724759	4.11E-09	8.93E-10	5.00E-09	8.12E-10	1.12E-10	9.24E-10	4.36E-09	5.20E-10	4.88E-09	4.49E-10	3.80E-11	4.87E-10
2766	437938.1	3724749	3.79E-09	8.23E-10	4.61E-09	7.48E-10	1.03E-10	8.52E-10	4.02E-09	4.80E-10	4.50E-09	4.14E-10	3.50E-11	4.50E-10
2767	437955.6	3724724	3.31E-09	7.19E-10	4.03E-09	6.54E-10	9.03E-11	7.44E-10	3.52E-09	4.19E-10	3.93E-09	3.62E-10	3.06E-11	3.93E-10
2768	438019.2	3724696	3.04E-09	6.61E-10	3.70E-09	6.01E-10	8.30E-11	6.84E-10	3.23E-09	3.85E-10	3.62E-09	3.33E-10	2.81E-11	3.61E-10
2769	438004.9	3724686	2.80E-09	6.09E-10	3.41E-09	5.53E-10	7.64E-11	6.30E-10	2.98E-09	3.55E-10	3.33E-09	3.06E-10	2.59E-11	3.32E-10
2770	438042.5	3724664	2.64E-09	5.75E-10	3.22E-09	5.22E-10	7.22E-11	5.95E-10	2.81E-09	3.35E-10	3.14E-09	2.89E-10	2.45E-11	3.14E-10
2771	437619.6	3725133	4.23E-08	9.19E-09	5.15E-08	8.36E-09	1.15E-09	9.51E-09	4.49E-08	5.36E-09	5.03E-08	4.63E-09	3.91E-10	5.02E-09
2772	437615	3725125	3.34E-08	7.26E-09	4.07E-08	6.60E-09	9.12E-10	7.51E-09	3.55E-08	4.23E-09	3.97E-08	3.66E-09	3.09E-10	3.97E-09
2773	437607.8	3725117	2.79E-08	6.05E-09	3.39E-08	5.50E-09	7.60E-10	6.26E-09	2.96E-08	3.53E-09	3.31E-08	3.05E-09	2.58E-10	3.31E-09
2774	437623.1	3725111	2.67E-08	5.79E-09	3.25E-08	5.27E-09	7.28E-10	6.00E-09	2.83E-08	3.38E-09	3.17E-08	2.92E-09	2.47E-10	3.16E-09
2775	437638.7	3725110	3.06E-08	6.65E-09	3.73E-08	6.05E-09	8.36E-10	6.88E-09	3.25E-08	3.88E-09	3.64E-08	3.35E-09	2.83E-10	3.63E-09
2776	437600.8	3725110	2.45E-08	5.33E-09	2.99E-08	4.85E-09	6.70E-10	5.52E-09	2.61E-08	3.11E-09	2.92E-08	2.69E-09	2.27E-10	2.91E-09
2777	437615.5	3725104	2.29E-08	4.97E-09	2.79E-08	4.52E-09	6.24E-10	5.14E-09	2.43E-08	2.90E-09	2.72E-08	2.50E-09	2.12E-10	2.72E-09
2778	437637.9	3725100	2.66E-08	5.78E-09	3.24E-08	5.26E-09	7.26E-10	5.98E-09	2.83E-08	3.37E-09	3.17E-08	2.91E-09	2.46E-10	3.16E-09
2779	437593.9	3725103	2.12E-08	4.60E-09	2.58E-08	4.19E-09	5.78E-10	4.76E-09	2.25E-08	2.68E-09	2.52E-08	2.32E-09	1.96E-10	2.51E-09
2780	437608.2	3725097	2.02E-08	4.38E-09	2.46E-08	3.99E-09	5.51E-10	4.54E-09	2.14E-08	2.55E-09	2.40E-08	2.21E-09	1.87E-10	2.39E-09
2781	437622.6	3725091	2.01E-08	4.36E-09	2.44E-08	3.96E-09	5.48E-10	4.51E-09	2.13E-08	2.54E-09	2.39E-08	2.20E-09	1.86E-10	2.38E-09
2782	437637.1	3725090	2.38E-08	5.16E-09	2.89E-08	4.69E-09	6.48E-10	5.34E-09	2.52E-08	3.01E-09	2.82E-08	2.60E-09	2.20E-10	2.82E-09
2783	437588.3	3725095	1.81E-08	3.94E-09	2.21E-08	3.58E-09	4.95E-10	4.08E-09	1.93E-08	2.30E-09	2.16E-08	1.98E-09	1.68E-10	2.15E-09
2784	437604.6	3725088	1.78E-08	3.86E-09	2.16E-08	3.51E-09	4.84E-10	3.99E-09	1.89E-08	2.25E-09	2.11E-08	1.94E-09	1.64E-10	2.11E-09
2785	437621	3725081	1.77E-08	3.84E-09	2.15E-08	3.49E-09	4.82E-10	3.97E-09	1.88E-08	2.24E-09	2.10E-08	1.93E-09	1.63E-10	2.10E-09
2786	437637.7	3725080	2.14E-08	4.66E-09	2.61E-08	4.23E-09	5.85E-10	4.82E-09	2.28E-08	2.71E-09	2.55E-08	2.35E-09	1.98E-10	2.54E-09
2787	437654.6	3725085	2.74E-08	5.96E-09	3.34E-08	5.41E-09	7.48E-10	6.16E-09	2.91E-08	3.47E-09	3.26E-08	3.00E-09	2.54E-10	3.25E-09
2788	437581.3	3725087	1.57E-08	3.42E-09	1.92E-08	3.11E-09	4.29E-10	3.54E-09	1.67E-08	1.99E-09	1.87E-08	1.72E-09	1.46E-10	1.87E-09
2789	437597.1	3725081	1.57E-08	3.40E-09	1.91E-08	3.09E-09	4.27E-10	3.52E-09	1.66E-08	1.98E-09	1.86E-08	1.71E-09	1.45E-10	1.86E-09
2790	437612.9	3725074	1.59E-08	3.45E-09	1.93E-08	3.14E-09	4.33E-10	3.57E-09	1.69E-08	2.01E-09	1.89E-08	1.74E-09	1.47E-10	1.88E-09
2791	437636.8	3725070	1.82E-08	3.95E-09	2.21E-08	3.59E-09	4.96E-10	4.09E-09	1.93E-08	2.30E-09	2.16E-08	1.99E-09	1.68E-10	2.16E-09
2792	437669.6	3725080	2.85E-08	6.20E-09	3.47E-08	5.64E-09	7.79E-10	6.41E-09	3.03E-08	3.61E-09	3.39E-08	3.12E-09	2.64E-10	3.39E-09
2793	437566.8	3725097	1.67E-08	3.62E-09	2.03E-08	3.29E-09	4.55E-10	3.75E-09	1.77E-08	2.11E-09	1.98E-08	1.82E-09	1.54E-10	1.98E-09
2794	437540	3725121	2.00E-08	4.33E-09	2.43E-08	3.94E-09	5.44E-10	4.48E-09	2.12E-08	2.53E-09	2.37E-08	2.18E-09	1.85E-10	2.37E-09
2795	437526.7	3725132	2.13E-08	4.62E-09	2.59E-08	4.20E-09	5.80E-10	4.78E-09	2.26E-08	2.69E-09	2.53E-08	2.33E-09	1.97E-10	2.52E-09
2796	437574.5	3725080	1.38E-08	3.01E-09	1.69E-08	2.73E-09	3.78E-10	3.11E-09	1.47E-08	1.75E-09	1.65E-08	1.51E-09	1.28E-10	1.64E-09
2797	437589.8	3725074	1.37E-08	2.97E-09	1.66E-08	2.70E-09	3.73E-10	3.07E-09	1.45E-08	1.73E-09	1.63E-08	1.50E-09	1.26E-10	1.62E-09
2798	437605.1	3725067	1.37E-08	2.98E-09	1.67E-08	2.71E-09	3.74E-10	3.08E-09	1.46E-08	1.73E-09	1.63E-08	1.50E-09	1.27E-10	1.63E-09
2799	437560.1	3725089	1.47E-08	3.20E-09	1.79E-08	2.91E-09	4.02E-10	3.31E-09	1.56E-08	1.86E-09	1.75E-08	1.61E-09	1.36E-10	1.75E-09
2800	437533.4	3725113	1.76E-08	3.83E-09	2.15E-08	3.48E-09	4.81E-10	3.97E-09	1.87E-08	2.23E-09	2.10E-08	1.93E-09	1.63E-10	2.09E-09
2801	437520	3725125	1.88E-08	4.09E-09	2.29E-08	3.72E-09	5.13E-10	4.23E-09	2.00E-08	2.38E-09	2.24E-08	2.06E-09	1.74E-10	2.23E-09
2802	437561.6	3725065	1.10E-08	2.40E-09	1.34E-08	2.18E-09	3.01E-10	2.48E-09	1.17E-08	1.40E-09	1.31E-08	1.21E-09	1.02E-10	1.31E-09
2803	437578	3725058	1.07E-08	2.33E-09	1.31E-08	2.12E-09	2.93E-10	2.41E-09	1.14E-08	1.36E-09	1.28E-08	1.17E-09	9.92E-11	1.27E-09
2804	437594.3	3725051	1.06E-08	2.30E-09	1.29E-08	2.09E-09	2.89E-10	2.38E-09	1.12E-08	1.34E-09	1.26E-08	1.16E-09	9.79E-11	1.26E-09
2805	437546.8	3725074	1.18E-08	2.57E-09	1.44E-08	2.33E-09	3.22E-10	2.66E-09	1.25E-08	1.50E-09	1.40E-08	1.29E-09	1.09E-10	1.40E-09
2806	437506.7	3725110	1.51E-08	3.27E-09	1.83E-08	2.98E-09	4.11E-10	3.39E-09	1.60E-08	1.91E-09	1.79E-08	1.65E-09	1.39E-10	1.79E-09
2807	437547.9	3725050	9.10E-09	1.98E-09	1.11E-08	1.80E-09	2.48E-10	2.05E-09	9.67E-09	1.15E-09	1.08E-08	9.95E-10	8.42E-11	1.08E-09
2808	437563.5	3725044	8.76E-09	1.90E-09	1.07E-08	1.73E-09	2.39E-10	1.97E-09	9.30E-09	1.11E-09	1.04E-08	9.58E-10	8.10E-11	1.04E-09

2809	437533.4	3725059	9.76E-09	2.12E-09	1.19E-08	1.93E-09	2.66E-10	2.19E-09	1.04E-08	1.24E-09	1.16E-08	1.07E-09	9.03E-11	1.16E-09
2810	437699.2	3724980	9.38E-09	2.04E-09	1.14E-08	1.85E-09	2.56E-10	2.11E-09	9.96E-09	1.19E-09	1.11E-08	1.03E-09	8.67E-11	1.11E-09
2811	437716.2	3724985	1.10E-08	2.40E-09	1.34E-08	2.18E-09	3.01E-10	2.48E-09	1.17E-08	1.40E-09	1.31E-08	1.21E-09	1.02E-10	1.31E-09
2812	437733.1	3724990	1.29E-08	2.80E-09	1.57E-08	2.55E-09	3.52E-10	2.90E-09	1.37E-08	1.63E-09	1.53E-08	1.41E-09	1.19E-10	1.53E-09
2813	437662.9	3724950	5.45E-09	1.18E-09	6.63E-09	1.08E-09	1.49E-10	1.22E-09	5.78E-09	6.89E-10	6.47E-09	5.96E-10	5.04E-11	6.46E-10
2814	437679.4	3724955	6.34E-09	1.38E-09	7.72E-09	1.25E-09	1.73E-10	1.43E-09	6.73E-09	8.03E-10	7.54E-09	6.94E-10	5.86E-11	7.52E-10
2815	437695.9	3724960	7.41E-09	1.61E-09	9.01E-09	1.46E-09	2.02E-10	1.66E-09	7.87E-09	9.38E-10	8.80E-09	8.10E-10	6.85E-11	8.79E-10
2816	437712.3	3724965	8.64E-09	1.88E-09	1.05E-08	1.71E-09	2.36E-10	1.94E-09	9.18E-09	1.09E-09	1.03E-08	9.45E-10	7.99E-11	1.03E-09
2817	437728.8	3724969	1.00E-08	2.18E-09	1.22E-08	1.98E-09	2.74E-10	2.25E-09	1.07E-08	1.27E-09	1.19E-08	1.10E-09	9.27E-11	1.19E-09
2818	437745.3	3724974	1.15E-08	2.51E-09	1.40E-08	2.28E-09	3.15E-10	2.59E-09	1.23E-08	1.46E-09	1.37E-08	1.26E-09	1.07E-10	1.37E-09
2819	437466.8	3725012	5.85E-09	1.27E-09	7.12E-09	1.16E-09	1.60E-10	1.31E-09	6.21E-09	7.40E-10	6.95E-09	6.40E-10	5.41E-11	6.94E-10
2820	437453.4	3725024	6.25E-09	1.36E-09	7.61E-09	1.24E-09	1.71E-10	1.41E-09	6.64E-09	7.92E-10	7.43E-09	6.84E-10	5.78E-11	7.42E-10
2821	437440	3725036	6.60E-09	1.43E-09	8.03E-09	1.30E-09	1.80E-10	1.48E-09	7.01E-09	8.35E-10	7.84E-09	7.22E-10	6.10E-11	7.83E-10
2822	437481.7	3724975	4.49E-09	9.76E-10	5.47E-09	8.88E-10	1.23E-10	1.01E-09	4.77E-09	5.69E-10	5.34E-09	4.92E-10	4.16E-11	5.33E-10
2823	437498	3724969	4.27E-09	9.27E-10	5.19E-09	8.42E-10	1.16E-10	9.59E-10	4.53E-09	5.40E-10	5.07E-09	4.67E-10	3.94E-11	5.06E-10
2824	437514.4	3724962	4.03E-09	8.76E-10	4.91E-09	7.96E-10	1.10E-10	9.06E-10	4.28E-09	5.10E-10	4.79E-09	4.41E-10	3.73E-11	4.78E-10
2825	437646.1	3724926	3.99E-09	8.66E-10	4.85E-09	7.88E-10	1.09E-10	8.96E-10	4.24E-09	5.05E-10	4.74E-09	4.36E-10	3.69E-11	4.73E-10
2826	437663.1	3724931	4.58E-09	9.96E-10	5.58E-09	9.05E-10	1.25E-10	1.03E-09	4.87E-09	5.80E-10	5.45E-09	5.01E-10	4.24E-11	5.44E-10
2827	437680.1	3724935	5.32E-09	1.16E-09	6.47E-09	1.05E-09	1.45E-10	1.20E-09	5.65E-09	6.73E-10	6.32E-09	5.82E-10	4.92E-11	6.31E-10
2828	437697	3724940	6.19E-09	1.35E-09	7.54E-09	1.22E-09	1.69E-10	1.39E-09	6.58E-09	7.84E-10	7.36E-09	6.78E-10	5.73E-11	7.35E-10
2829	437714	3724945	7.22E-09	1.57E-09	8.79E-09	1.43E-09	1.97E-10	1.62E-09	7.67E-09	9.14E-10	8.58E-09	7.90E-10	6.68E-11	8.56E-10
2830	437731	3724950	8.37E-09	1.82E-09	1.02E-08	1.65E-09	2.28E-10	1.88E-09	8.90E-09	1.06E-09	9.96E-09	9.16E-10	7.75E-11	9.94E-10
2831	437748	3724955	9.65E-09	2.10E-09	1.17E-08	1.91E-09	2.63E-10	2.17E-09	1.02E-08	1.22E-09	1.15E-08	1.06E-09	8.92E-11	1.14E-09
2832	437466.8	3724985	4.79E-09	1.04E-09	5.84E-09	9.47E-10	1.31E-10	1.08E-09	5.09E-09	6.07E-10	5.70E-09	5.24E-10	4.43E-11	5.69E-10
2833	437453.4	3724997	5.17E-09	1.12E-09	6.29E-09	1.02E-09	1.41E-10	1.16E-09	5.49E-09	6.54E-10	6.14E-09	5.65E-10	4.78E-11	6.13E-10
2834	437440.1	3725009	5.51E-09	1.20E-09	6.71E-09	1.09E-09	1.50E-10	1.24E-09	5.85E-09	6.98E-10	6.55E-09	6.03E-10	5.09E-11	6.54E-10
2835	437426.7	3725021	5.80E-09	1.26E-09	7.06E-09	1.15E-09	1.58E-10	1.30E-09	6.16E-09	7.34E-10	6.89E-09	6.34E-10	5.36E-11	6.88E-10
2836	437468.1	3724961	4.03E-09	8.76E-10	4.91E-09	7.96E-10	1.10E-10	9.06E-10	4.28E-09	5.10E-10	4.79E-09	4.41E-10	3.73E-11	4.78E-10
2837	437484.1	3724954	3.84E-09	8.33E-10	4.67E-09	7.58E-10	1.05E-10	8.62E-10	4.07E-09	4.86E-10	4.56E-09	4.20E-10	3.55E-11	4.55E-10
2838	437500	3724947	3.63E-09	7.89E-10	4.42E-09	7.17E-10	9.91E-11	8.16E-10	3.86E-09	4.60E-10	4.32E-09	3.97E-10	3.36E-11	4.31E-10
2839	437516	3724941	3.43E-09	7.45E-10	4.17E-09	6.77E-10	9.36E-11	7.71E-10	3.64E-09	4.34E-10	4.08E-09	3.75E-10	3.17E-11	4.07E-10
2840	437531.9	3724934	3.24E-09	7.05E-10	3.95E-09	6.41E-10	8.85E-11	7.29E-10	3.45E-09	4.11E-10	3.86E-09	3.55E-10	3.00E-11	3.85E-10
2841	437661	3724910	3.83E-09	8.32E-10	4.66E-09	7.56E-10	1.04E-10	8.60E-10	4.07E-09	4.85E-10	4.55E-09	4.19E-10	3.54E-11	4.54E-10
2842	437677.5	3724915	4.39E-09	9.53E-10	5.34E-09	8.67E-10	1.20E-10	9.86E-10	4.66E-09	5.56E-10	5.22E-09	4.80E-10	4.06E-11	5.21E-10
2843	437694.1	3724920	5.06E-09	1.10E-09	6.16E-09	9.99E-10	1.38E-10	1.14E-09	5.37E-09	6.40E-10	6.01E-09	5.53E-10	4.68E-11	6.00E-10
2844	437710.6	3724925	5.84E-09	1.27E-09	7.11E-09	1.15E-09	1.59E-10	1.31E-09	6.20E-09	7.39E-10	6.94E-09	6.39E-10	5.40E-11	6.93E-10
2845	437727.2	3724930	6.73E-09	1.46E-09	8.19E-09	1.33E-09	1.84E-10	1.51E-09	7.15E-09	8.52E-10	8.00E-09	7.36E-10	6.22E-11	7.98E-10
2846	437743.7	3724934	7.71E-09	1.68E-09	9.39E-09	1.52E-09	2.10E-10	1.73E-09	8.19E-09	9.77E-10	9.17E-09	8.44E-10	7.13E-11	9.15E-10
2847	437760.3	3724939	8.78E-09	1.91E-09	1.07E-08	1.73E-09	2.40E-10	1.97E-09	9.32E-09	1.11E-09	1.04E-08	9.60E-10	8.12E-11	1.04E-09
2848	437453.5	3724970	4.29E-09	9.31E-10	5.22E-09	8.47E-10	1.17E-10	9.63E-10	4.55E-09	5.43E-10	5.10E-09	4.69E-10	3.96E-11	5.08E-10
2849	437440.1	3724982	4.60E-09	1.00E-09	5.60E-09	9.09E-10	1.26E-10	1.03E-09	4.89E-09	5.83E-10	5.47E-09	5.04E-10	4.26E-11	5.46E-10
2850	437426.7	3724994	4.89E-09	1.06E-09	5.96E-09	9.66E-10	1.33E-10	1.10E-09	5.20E-09	6.19E-10	5.82E-09	5.35E-10	4.52E-11	5.80E-10
2851	437413.4	3725006	5.14E-09	1.12E-09	6.25E-09	1.01E-09	1.40E-10	1.16E-09	5.46E-09	6.51E-10	6.11E-09	5.62E-10	4.75E-11	6.10E-10
2852	437455	3724946	3.64E-09	7.90E-10	4.43E-09	7.18E-10	9.92E-11	8.17E-10	3.86E-09	4.60E-10	4.32E-09	3.98E-10	3.36E-11	4.31E-10
2853	437471.4	3724939	3.46E-09	7.52E-10	4.21E-09	6.83E-10	9.44E-11	7.78E-10	3.68E-09	4.38E-10	4.11E-09	3.79E-10	3.20E-11	4.11E-10
2854	437487.7	3724932	3.27E-09	7.11E-10	3.99E-09	6.47E-10	8.93E-11	7.36E-10	3.48E-09	4.15E-10	3.89E-09	3.58E-10	3.03E-11	3.88E-10
2855	437504.1	3724925	3.09E-09	6.71E-10	3.76E-09	6.10E-10	8.43E-11	6.94E-10	3.28E-09	3.91E-10	3.67E-09	3.38E-10	2.86E-11	3.66E-10
2856	437520.4	3724919	2.91E-09	6.33E-10	3.54E-09	5.75E-10	7.95E-11	6.55E-10	3.09E-09	3.69E-10	3.46E-09	3.19E-10	2.69E-11	3.45E-10
2857	437602.2	3724885	2.46E-09	5.35E-10	3.00E-09	4.87E-10	6.72E-11	5.54E-10	2.62E-09	3.12E-10	2.93E-09	2.70E-10	2.28E-11	2.92E-10
2858	437677.9	3724896	3.76E-09	8.16E-10	4.57E-09	7.42E-10	1.03E-10	8.45E-10	3.99E-09	4.76E-10	4.47E-09	4.11E-10	3.47E-11	4.46E-10
2859	437694.9	3724901	4.32E-09	9.38E-10	5.26E-09	8.53E-10	1.18E-10	9.71E-10	4.59E-09	5.47E-10	5.13E-09	4.72E-10	3.99E-11	5.12E-10
2860	437711.9	3724905	4.98E-09	1.08E-09	6.06E-09	9.83E-10	1.36E-10	1.12E-09	5.29E-09	6.30E-10	5.92E-09	5.44E-10	4.60E-11	5.90E-10
2861	437728.9	3724910	5.73E-09	1.24E-09	6.97E-09	1.13E-09	1.56E-10	1.29E-09	6.08E-09	7.25E-10	6.81E-09	6.26E-10	5.30E-11	6.79E-10
2862	437745.8	3724915	6.56E-09	1.43E-09	7.99E-09	1.30E-09	1.79E-10	1.47E-09	6.97E-09	8.31E-10	7.80E-09	7.18E-10	6.07E-11	7.78E-10
2863	437440.1	3724955	3.86E-09	8.38E-10	4.70E-09	7.62E-10	1.05E-10	8.67E-10	4.10E-09	4.89E-10	4.59E-09	4.22E-10	3.57E-11	4.58E-10
2864	437426.8	3724967	4.13E-09	8.97E-10	5.03E-09	8.16E-10	1.13E-10	9.28E-10	4.39E-09	5.23E-10	4.91E-09	4.52E-10	3.82E-11	4.90E-10
2865	437413.4	3724979	4.38E-09	9.51E-10	5.33E-09	8.64E-10	1.19E-10	9.84E-10	4.65E-09	5.54E-10	5.20E-09	4.79E-10	4.05E-11	5.19E-10
2866	437400.1	3724991	4.59E-09	9.97E-10	5.58E-09	9.06E-10	1.25E-10	1.03E-09	4.87E-09	5.81E-10	5.45E-09	5.02E-10	4.24E-11	5.44E-10
2867	437441.5	3724931	3.30E-09	7.18E-10	4.02E-09	6.52E-10	9.01E-11	7.43E-10	3.51E-09	4.18E-10	3.93E-09	3.61E-10	3.06E-11	3.92E-10
2868	437457.5	3724924	3.15E-09	6.85E-10	3.84E-09	6.23E-10	8.60E-11	7.09E-10	3.35E-09	3.99E-10	3.75E-09	3.45E-10	2.92E-11	3.74E-10
2869	437473.5	3724918	2.99E-09	6.50E-10	3.64E-09	5.91E-10	8.16E-11	6.73E-10	3.18E-09	3.79E-10	3.56E-09	3.27E-10	2.77E-11	3.55E-10
2870	437489.5	3724911	2.83E-09	6.14E-10	3.44E-09	5.59E-10	7.72E-11	6.36E-10	3.00E-09	3.58E-10	3.36E-09	3.09E-10	2.62E-11	3.35E-10
2871	437505.5	3724904	2.67E-09	5.80E-10	3.25E-09	5.27E-10	7.28E-11	6.00E-10	2.83E-09	3.38E-10	3.17E-09	2.92E-10	2.47E-11	3.17E-10
2872	437585.5	3724871	2.17E-09	4.72E-10	2.64E-09	4.29E-10	5.93E-11	4.88E-10	2.31E-09	2.75E-10	2.58E-09	2.38E-10	2.01E-11	2.58E-10
2873	437601.5	3724865	2.16E-09	4.69E-10	2.63E-09	4.26E-10	5.89E-11	4.85E-10	2.29E-09	2.73E-10	2.56E-09	2.36E-10	2.00E-11	2.56E-10
2874	437625.8	3724861	2.27E-09	4.93E-10	2.76E-09	4.48E-10	6.19E-11	5.10E-10	2.41E-09	2.87E-10	2.70E-09	2.48E-10	2.10E-11	2.69E-10
2875	437692.2	3724880	3.62E-09	7.86E-10	4.40E-09	7.14E-10	9.87E-11	8.13E-10	3.84E-09	4.58E-10	4.30E-09	3.96E-10	3.35E-11	4.29E-10
2876	437708.8	3724885	4.13E-09	8.97E-10	5.03E-09	8.16E-10	1.13E-10	9.28E-10	4.39E-09	5.23E-10	4.91E-09	4.52E-10	3.82E-11	4.90E-10
2877	437725.4	3724890	4.72E-09	1.03E-09	5.75E-09	9.32E-10	1.29E-10	1.06E-09	5.01E-09	5.98E-10	5.61E-09	5.16E-10	4.37E-11	5.60E-10
2878	437742	3724895	5.38E-09	1.17E-09	6.55E-09	1.06E-09	1.47E-10	1.21E-09	5.72E-09	6.81E-10	6.40E-09	5.89E-10	4.98E-11	6.38E-10
2879	437775.2	3724904	6.88E-09	1.50E-09	8.38E-09	1.36E-09	1.88E-10	1.55E-09	7.31E-09	8.71E-10	8.18E-09	7.53E-10	6.37E-11	8.17E-10
2880	437791.8	3724909	7.70E-09	1.67E-09	9.37E-09	1.52E-09	2.10E-10	1.73E-09	8.18E-09	9.75E-10	9.15E-09	8.42E-10	7.12E-11	9.13E-10
2881	437426.8	3724940	3.49E-09	7.59E-10	4.25E-09	6.90E-10	9.53E-11	7.86E-10	3.71E-09	4.42E-10	4.15E-09	3.82E-10	3.23E-11	4.15E-10
2882	437413.5	3724952	3.73E-09	8.10E-10	4.54E-09	7.36E-10	1.02E-10	8.38E-10	3.96E-09	4.72E-10	4.43E-09	4.08E-10	3.45E-11	4.42E-10
2883	437400.1	3724964	3.94E-09	8.56E-10	4.80E-09	7.78E-10	1.08E-10	8.86E-10	4.19E-09	4.99E-10	4.68E-09	4.31E-10	3.64E-11	4.68E-10
2884	437386.7	3724976	4.12E-09	8.96E-10	5.02E-09	8.14E-10	1.12E-10	9.27E-10	4.38E-09	5.22E-10	4.90E-09	4.51E-10	3.81E-11	4.89E-10

2885	437421.6	3724908	2.88E-09	6.27E-10	3.51E-09	5.70E-10	7.87E-11	6.49E-10	3.06E-09	3.65E-10	3.43E-09	3.16E-10	2.67E-11	3.42E-10
2886	437437.8	3724902	2.76E-09	5.99E-10	3.36E-09	5.45E-10	7.53E-11	6.20E-10	2.93E-09	3.49E-10	3.28E-09	3.02E-10	2.55E-11	3.27E-10
2887	437454	3724895	2.62E-09	5.70E-10	3.19E-09	5.18E-10	7.15E-11	5.89E-10	2.79E-09	3.32E-10	3.12E-09	2.87E-10	2.43E-11	3.11E-10
2888	437470.2	3724888	2.48E-09	5.39E-10	3.02E-09	4.90E-10	6.77E-11	5.58E-10	2.64E-09	3.14E-10	2.95E-09	2.71E-10	2.29E-11	2.94E-10
2889	437486.3	3724882	2.34E-09	5.09E-10	2.85E-09	4.62E-10	6.39E-11	5.26E-10	2.49E-09	2.96E-10	2.78E-09	2.56E-10	2.17E-11	2.78E-10
2890	437502.5	3724875	2.21E-09	4.80E-10	2.69E-09	4.36E-10	6.02E-11	4.96E-10	2.35E-09	2.80E-10	2.62E-09	2.42E-10	2.04E-11	2.62E-10
2891	437567.3	3724848	1.84E-09	4.00E-10	2.24E-09	3.64E-10	5.02E-11	4.14E-10	1.96E-09	2.33E-10	2.19E-09	2.01E-10	1.70E-11	2.18E-10
2892	437583.5	3724842	1.80E-09	3.92E-10	2.20E-09	3.56E-10	4.92E-11	4.06E-10	1.92E-09	2.28E-10	2.15E-09	1.97E-10	1.67E-11	2.14E-10
2893	437599.7	3724835	1.79E-09	3.89E-10	2.18E-09	3.54E-10	4.89E-11	4.02E-10	1.90E-09	2.27E-10	2.13E-09	1.96E-10	1.66E-11	2.12E-10
2894	437624.3	3724831	1.87E-09	4.07E-10	2.28E-09	3.70E-10	5.11E-11	4.21E-10	1.99E-09	2.37E-10	2.23E-09	2.05E-10	1.73E-11	2.22E-10
2895	437641.1	3724836	2.06E-09	4.47E-10	2.50E-09	4.06E-10	5.61E-11	4.62E-10	2.18E-09	2.60E-10	2.45E-09	2.25E-10	1.90E-11	2.44E-10
2896	437657.9	3724841	2.29E-09	4.97E-10	2.78E-09	4.51E-10	6.24E-11	5.14E-10	2.43E-09	2.89E-10	2.72E-09	2.50E-10	2.11E-11	2.71E-10
2897	437725.1	3724860	3.74E-09	8.13E-10	4.55E-09	7.39E-10	1.02E-10	8.41E-10	3.97E-09	4.74E-10	4.45E-09	4.09E-10	3.46E-11	4.44E-10
2898	437741.9	3724865	4.25E-09	9.23E-10	5.17E-09	8.39E-10	1.16E-10	9.55E-10	4.51E-09	5.38E-10	5.05E-09	4.65E-10	3.93E-11	5.04E-10
2899	437775.5	3724875	5.41E-09	1.18E-09	6.59E-09	1.07E-09	1.48E-10	1.22E-09	5.75E-09	6.85E-10	6.43E-09	5.92E-10	5.00E-11	6.42E-10
2900	437792.3	3724880	6.05E-09	1.31E-09	7.37E-09	1.20E-09	1.65E-10	1.36E-09	6.43E-09	7.66E-10	7.19E-09	6.62E-10	5.60E-11	7.18E-10
2901	437809.1	3724885	6.72E-09	1.46E-09	8.18E-09	1.33E-09	1.83E-10	1.51E-09	7.14E-09	8.51E-10	7.99E-09	7.35E-10	6.22E-11	7.97E-10
2902	437406.8	3724918	3.04E-09	6.61E-10	3.70E-09	6.01E-10	8.30E-11	6.84E-10	3.23E-09	3.85E-10	3.62E-09	3.33E-10	2.81E-11	3.61E-10
2903	437393.5	3724930	3.23E-09	7.02E-10	3.93E-09	6.38E-10	8.82E-11	7.26E-10	3.43E-09	4.09E-10	3.84E-09	3.53E-10	2.99E-11	3.83E-10
2904	437380.1	3724942	3.40E-09	7.40E-10	4.14E-09	6.72E-10	9.29E-11	7.65E-10	3.62E-09	4.31E-10	4.05E-09	3.72E-10	3.15E-11	4.04E-10
2905	437366.7	3724954	3.55E-09	7.72E-10	4.32E-09	7.02E-10	9.69E-11	7.99E-10	3.77E-09	4.50E-10	4.22E-09	3.89E-10	3.29E-11	4.22E-10
2906	437401.7	3724886	2.55E-09	5.53E-10	3.10E-09	5.03E-10	6.94E-11	5.72E-10	2.70E-09	3.22E-10	3.03E-09	2.78E-10	2.35E-11	3.02E-10
2907	437418	3724879	2.44E-09	5.30E-10	2.97E-09	4.82E-10	6.66E-11	5.48E-10	2.59E-09	3.09E-10	2.90E-09	2.67E-10	2.26E-11	2.89E-10
2908	437434.4	3724873	2.32E-09	5.05E-10	2.83E-09	4.59E-10	6.34E-11	5.22E-10	2.47E-09	2.94E-10	2.76E-09	2.54E-10	2.15E-11	2.76E-10
2909	437450.7	3724866	2.20E-09	4.78E-10	2.68E-09	4.35E-10	6.01E-11	4.95E-10	2.34E-09	2.79E-10	2.62E-09	2.41E-10	2.04E-11	2.61E-10
2910	437467.1	3724859	2.08E-09	4.52E-10	2.53E-09	4.11E-10	5.67E-11	4.67E-10	2.21E-09	2.63E-10	2.47E-09	2.27E-10	1.92E-11	2.47E-10
2911	437483.4	3724852	1.96E-09	4.26E-10	2.39E-09	3.87E-10	5.35E-11	4.41E-10	2.08E-09	2.48E-10	2.33E-09	2.14E-10	1.81E-11	2.33E-10
2912	437565.2	3724819	1.55E-09	3.37E-10	1.89E-09	3.06E-10	4.23E-11	3.48E-10	1.65E-09	1.96E-10	1.84E-09	1.70E-10	1.43E-11	1.84E-10
2913	437581.6	3724812	1.52E-09	3.30E-10	1.85E-09	3.00E-10	4.15E-11	3.42E-10	1.61E-09	1.92E-10	1.81E-09	1.66E-10	1.41E-11	1.80E-10
2914	437597.9	3724805	1.51E-09	3.27E-10	1.83E-09	2.98E-10	4.11E-11	3.39E-10	1.60E-09	1.91E-10	1.79E-09	1.65E-10	1.39E-11	1.79E-10
2915	437622.7	3724801	1.57E-09	3.41E-10	1.91E-09	3.10E-10	4.29E-11	3.53E-10	1.67E-09	1.99E-10	1.87E-09	1.72E-10	1.45E-11	1.86E-10
2916	437639.7	3724806	1.71E-09	3.72E-10	2.08E-09	3.38E-10	4.67E-11	3.85E-10	1.82E-09	2.17E-10	2.04E-09	1.87E-10	1.58E-11	2.03E-10
2917	437656.7	3724811	1.89E-09	4.11E-10	2.30E-09	3.73E-10	5.16E-11	4.25E-10	2.01E-09	2.39E-10	2.25E-09	2.07E-10	1.75E-11	2.24E-10
2918	437673.7	3724816	2.11E-09	4.58E-10	2.56E-09	4.16E-10	5.75E-11	4.73E-10	2.24E-09	2.67E-10	2.50E-09	2.30E-10	1.95E-11	2.50E-10
2919	437690.7	3724821	2.36E-09	5.14E-10	2.88E-09	4.67E-10	6.45E-11	5.31E-10	2.51E-09	2.99E-10	2.81E-09	2.59E-10	2.19E-11	2.80E-10
2920	437792.5	3724850	4.83E-09	1.05E-09	5.88E-09	9.54E-10	1.32E-10	1.09E-09	5.13E-09	6.11E-10	5.74E-09	5.28E-10	4.47E-11	5.73E-10
2921	437809.5	3724855	5.36E-09	1.17E-09	6.53E-09	1.06E-09	1.46E-10	1.21E-09	5.70E-09	6.79E-10	6.38E-09	5.87E-10	4.96E-11	6.36E-10
2922	437826.5	3724860	5.92E-09	1.29E-09	7.20E-09	1.17E-09	1.61E-10	1.33E-09	6.29E-09	7.49E-10	7.04E-09	6.47E-10	5.47E-11	7.02E-10
2923	437386.8	3724895	2.68E-09	5.81E-10	3.26E-09	5.28E-10	7.30E-11	6.01E-10	2.84E-09	3.39E-10	3.18E-09	2.93E-10	2.47E-11	3.17E-10
2924	437373.5	3724907	2.83E-09	6.15E-10	3.45E-09	5.59E-10	7.73E-11	6.37E-10	3.01E-09	3.59E-10	3.37E-09	3.10E-10	2.62E-11	3.36E-10
2925	437360.1	3724919	2.97E-09	6.46E-10	3.62E-09	5.87E-10	8.11E-11	6.68E-10	3.16E-09	3.76E-10	3.53E-09	3.25E-10	2.75E-11	3.53E-10
2926	437346.7	3724931	3.10E-09	6.73E-10	3.77E-09	6.12E-10	8.45E-11	6.96E-10	3.29E-09	3.92E-10	3.68E-09	3.39E-10	2.86E-11	3.67E-10
2927	437381.8	3724864	2.27E-09	4.92E-10	2.76E-09	4.48E-10	6.18E-11	5.10E-10	2.41E-09	2.87E-10	2.69E-09	2.48E-10	2.10E-11	2.69E-10
2928	437398.3	3724857	2.18E-09	4.73E-10	2.65E-09	4.30E-10	5.94E-11	4.89E-10	2.31E-09	2.76E-10	2.59E-09	2.38E-10	2.01E-11	2.58E-10
2929	437414.7	3724850	2.08E-09	4.51E-10	2.53E-09	4.10E-10	5.67E-11	4.67E-10	2.21E-09	2.63E-10	2.47E-09	2.27E-10	1.92E-11	2.46E-10
2930	437431.2	3724843	1.97E-09	4.29E-10	2.40E-09	3.90E-10	5.38E-11	4.43E-10	2.10E-09	2.50E-10	2.35E-09	2.16E-10	1.82E-11	2.34E-10
2931	437447.7	3724836	1.87E-09	4.05E-10	2.27E-09	3.69E-10	5.09E-11	4.19E-10	1.98E-09	2.36E-10	2.22E-09	2.04E-10	1.73E-11	2.21E-10
2932	437464.2	3724830	1.76E-09	3.82E-10	2.14E-09	3.48E-10	4.80E-11	3.96E-10	1.87E-09	2.23E-10	2.09E-09	1.93E-10	1.63E-11	2.09E-10
2933	437546.7	3724796	1.36E-09	2.96E-10	1.66E-09	2.69E-10	3.71E-11	3.06E-10	1.45E-09	1.72E-10	1.62E-09	1.49E-10	1.26E-11	1.62E-10
2934	437563.2	3724789	1.32E-09	2.87E-10	1.61E-09	2.61E-10	3.60E-11	2.97E-10	1.40E-09	1.67E-10	1.57E-09	1.45E-10	1.22E-11	1.57E-10
2935	437579.7	3724782	1.30E-09	2.82E-10	1.58E-09	2.56E-10	3.54E-11	2.91E-10	1.38E-09	1.64E-10	1.54E-09	1.42E-10	1.20E-11	1.54E-10
2936	437596.2	3724775	1.28E-09	2.79E-10	1.56E-09	2.54E-10	3.51E-11	2.89E-10	1.36E-09	1.63E-10	1.53E-09	1.41E-10	1.19E-11	1.52E-10
2937	437621.2	3724771	1.33E-09	2.90E-10	1.62E-09	2.63E-10	3.64E-11	3.00E-10	1.42E-09	1.69E-10	1.59E-09	1.46E-10	1.23E-11	1.58E-10
2938	437638.3	3724776	1.44E-09	3.14E-10	1.76E-09	2.85E-10	3.94E-11	3.25E-10	1.53E-09	1.83E-10	1.72E-09	1.58E-10	1.34E-11	1.71E-10
2939	437655.5	3724781	1.58E-09	3.44E-10	1.93E-09	3.12E-10	4.32E-11	3.56E-10	1.68E-09	2.00E-10	1.88E-09	1.73E-10	1.46E-11	1.88E-10
2940	437672.6	3724786	1.75E-09	3.80E-10	2.13E-09	3.45E-10	4.77E-11	3.93E-10	1.86E-09	2.21E-10	2.08E-09	1.91E-10	1.62E-11	2.08E-10
2941	437689.7	3724791	1.95E-09	4.24E-10	2.37E-09	3.85E-10	5.32E-11	4.38E-10	2.07E-09	2.47E-10	2.32E-09	2.13E-10	1.80E-11	2.31E-10
2942	437706.8	3724796	2.19E-09	4.75E-10	2.66E-09	4.32E-10	5.97E-11	4.92E-10	2.32E-09	2.77E-10	2.60E-09	2.39E-10	2.02E-11	2.59E-10
2943	437366.8	3724873	2.37E-09	5.16E-10	2.89E-09	4.69E-10	6.48E-11	5.34E-10	2.52E-09	3.01E-10	2.82E-09	2.60E-10	2.20E-11	2.82E-10
2944	437353.5	3724885	2.50E-09	5.44E-10	3.05E-09	4.94E-10	6.83E-11	5.63E-10	2.66E-09	3.17E-10	2.98E-09	2.74E-10	2.32E-11	2.97E-10
2945	437340.1	3724897	2.62E-09	5.70E-10	3.19E-09	5.18E-10	7.15E-11	5.89E-10	2.79E-09	3.32E-10	3.12E-09	2.87E-10	2.43E-11	3.11E-10
2946	437361.6	3724841	2.04E-09	4.42E-10	2.48E-09	4.02E-10	5.55E-11	4.58E-10	2.16E-09	2.58E-10	2.42E-09	2.23E-10	1.88E-11	2.41E-10
2947	437377.7	3724835	1.96E-09	4.26E-10	2.39E-09	3.87E-10	5.35E-11	4.41E-10	2.08E-09	2.48E-10	2.33E-09	2.15E-10	1.81E-11	2.33E-10
2948	437393.8	3724828	1.88E-09	4.08E-10	2.29E-09	3.71E-10	5.13E-11	4.23E-10	2.00E-09	2.38E-10	2.23E-09	2.06E-10	1.74E-11	2.23E-10
2949	437409.9	3724821	1.79E-09	3.89E-10	2.18E-09	3.54E-10	4.89E-11	4.03E-10	1.90E-09	2.27E-10	2.13E-09	1.96E-10	1.66E-11	2.13E-10
2950	437426	3724815	1.70E-09	3.70E-10	2.07E-09	3.36E-10	4.64E-11	3.83E-10	1.81E-09	2.16E-10	2.02E-09	1.86E-10	1.57E-11	2.02E-10
2951	437442	3724808	1.61E-09	3.50E-10	1.96E-09	3.18E-10	4.40E-11	3.62E-10	1.71E-09	2.04E-10	1.92E-09	1.76E-10	1.49E-11	1.91E-10
2952	437538.6	3724768	1.19E-09	2.58E-10	1.44E-09	2.34E-10	3.24E-11	2.67E-10	1.26E-09	1.50E-10	1.41E-09	1.30E-10	1.10E-11	1.41E-10
2953	437554.7	3724762	1.15E-09	2.50E-10	1.40E-09	2.27E-10	3.14E-11	2.59E-10	1.22E-09	1.46E-10	1.37E-09	1.26E-10	1.06E-11	1.36E-10
2954	437570.8	3724755	1.13E-09	2.44E-10	1.37E-09	2.22E-10	3.07E-11	2.53E-10	1.20E-09	1.42E-10	1.34E-09	1.23E-10	1.04E-11	1.33E-10
2955	437586.9	3724748	1.11E-09	2.41E-10	1.35E-09	2.19E-10	3.03E-11	2.50E-10	1.18E-09	1.41E-10	1.32E-09	1.22E-10	1.03E-11	1.32E-10
2956	437603	3724742	1.11E-09	2.41E-10	1.35E-09	2.19E-10	3.02E-11	2.49E-10	1.18E-09	1.40E-10	1.32E-09	1.21E-10	1.02E-11	1.31E-10
2957	437619.4	3724741	1.14E-09	2.49E-10	1.39E-09	2.26E-10	3.12E-11	2.57E-10	1.22E-09	1.45E-10	1.36E-09	1.25E-10	1.06E-11	1.36E-10
2958	437636.1	3724746	1.21E-09	2.62E-10	1.47E-09	2.38E-10	3.29E-11	2.71E-10	1.28E-09	1.53E-10	1.43E-09	1.32E-10	1.12E-11	1.43E-10
2959	437652.8	3724751	1.28E-09	2.79E-10	1.56E-09	2.53E-10	3.50E-11	2.88E-10	1.36E-09	1.62E-10	1.52E-09	1.40E-10	1.19E-11	1.52E-10
2960	437669.5	3724755	1.39E-09	3.02E-10	1.69E-09	2.74E-10	3.79E-11	3.12E-10	1.47E-09	1.76E-10	1.65E-09	1.52E-10	1.28E-11	1.65E-10

2961	437686.3	3724760	1.51E-09	3.29E-10	1.84E-09	2.99E-10	4.13E-11	3.40E-10	1.61E-09	1.92E-10	1.80E-09	1.66E-10	1.40E-11	1.80E-10
2962	437703	3724765	1.67E-09	3.63E-10	2.03E-09	3.30E-10	4.55E-11	3.75E-10	1.77E-09	2.11E-10	1.98E-09	1.83E-10	1.54E-11	1.98E-10
2963	437753.1	3724780	2.48E-09	5.38E-10	3.02E-09	4.89E-10	6.76E-11	5.57E-10	2.63E-09	3.14E-10	2.94E-09	2.71E-10	2.29E-11	2.94E-10
2964	437769.8	3724785	2.77E-09	6.02E-10	3.37E-09	5.47E-10	7.56E-11	6.23E-10	2.94E-09	3.51E-10	3.29E-09	3.03E-10	2.56E-11	3.29E-10
2965	437786.5	3724790	3.08E-09	6.70E-10	3.75E-09	6.09E-10	8.41E-11	6.93E-10	3.27E-09	3.90E-10	3.66E-09	3.37E-10	2.85E-11	3.66E-10
2966	437803.2	3724795	3.42E-09	7.42E-10	4.16E-09	6.75E-10	9.32E-11	7.68E-10	3.63E-09	4.32E-10	4.06E-09	3.74E-10	3.16E-11	4.05E-10
2967	437820	3724800	3.77E-09	8.18E-10	4.58E-09	7.44E-10	1.03E-10	8.47E-10	4.00E-09	4.77E-10	4.48E-09	4.12E-10	3.48E-11	4.47E-10
2968	437836.7	3724804	4.13E-09	8.97E-10	5.03E-09	8.16E-10	1.13E-10	9.28E-10	4.39E-09	5.23E-10	4.91E-09	4.52E-10	3.82E-11	4.90E-10
2969	437853.4	3724809	4.50E-09	9.78E-10	5.48E-09	8.89E-10	1.23E-10	1.01E-09	4.78E-09	5.70E-10	5.35E-09	4.93E-10	4.17E-11	5.34E-10
2970	437870.1	3724814	4.88E-09	1.06E-09	5.94E-09	9.64E-10	1.33E-10	1.10E-09	5.19E-09	6.18E-10	5.80E-09	5.34E-10	4.51E-11	5.79E-10
2971	437346.8	3724851	2.13E-09	4.62E-10	2.59E-09	4.20E-10	5.80E-11	4.78E-10	2.26E-09	2.69E-10	2.53E-09	2.33E-10	1.97E-11	2.52E-10
2972	437333.5	3724863	2.23E-09	4.85E-10	2.72E-09	4.41E-10	6.10E-11	5.02E-10	2.37E-09	2.83E-10	2.66E-09	2.44E-10	2.07E-11	2.65E-10
2973	437341.6	3724819	1.84E-09	4.00E-10	2.24E-09	3.63E-10	5.02E-11	4.14E-10	1.95E-09	2.33E-10	2.19E-09	2.01E-10	1.70E-11	2.18E-10
2974	437357.9	3724812	1.78E-09	3.86E-10	2.16E-09	3.51E-10	4.85E-11	3.99E-10	1.89E-09	2.25E-10	2.11E-09	1.94E-10	1.64E-11	2.11E-10
2975	437374.1	3724806	1.71E-09	3.70E-10	2.08E-09	3.37E-10	4.65E-11	3.83E-10	1.81E-09	2.16E-10	2.03E-09	1.87E-10	1.58E-11	2.02E-10
2976	437471.5	3724765	1.24E-09	2.70E-10	1.51E-09	2.46E-10	3.39E-11	2.79E-10	1.32E-09	1.57E-10	1.48E-09	1.36E-10	1.15E-11	1.48E-10
2977	437487.7	3724759	1.18E-09	2.56E-10	1.43E-09	2.33E-10	3.21E-11	2.65E-10	1.25E-09	1.49E-10	1.40E-09	1.29E-10	1.09E-11	1.40E-10
2978	437504	3724752	1.12E-09	2.43E-10	1.36E-09	2.21E-10	3.06E-11	2.52E-10	1.19E-09	1.42E-10	1.33E-09	1.23E-10	1.04E-11	1.33E-10
2979	437520.2	3724745	1.07E-09	2.33E-10	1.30E-09	2.12E-10	2.92E-11	2.41E-10	1.14E-09	1.36E-10	1.27E-09	1.17E-10	9.91E-12	1.27E-10
2980	437536.4	3724739	1.03E-09	2.24E-10	1.26E-09	2.04E-10	2.81E-11	2.32E-10	1.10E-09	1.31E-10	1.23E-09	1.13E-10	9.54E-12	1.22E-10
2981	437552.6	3724732	1.00E-09	2.18E-10	1.22E-09	1.98E-10	2.73E-11	2.25E-10	1.06E-09	1.27E-10	1.19E-09	1.10E-10	9.26E-12	1.19E-10
2982	437568.9	3724725	9.80E-10	2.13E-10	1.19E-09	1.94E-10	2.67E-11	2.20E-10	1.04E-09	1.24E-10	1.17E-09	1.07E-10	9.06E-12	1.16E-10
2983	437585.1	3724718	9.68E-10	2.10E-10	1.18E-09	1.91E-10	2.64E-11	2.18E-10	1.03E-09	1.23E-10	1.15E-09	1.06E-10	8.95E-12	1.15E-10
2984	437601.3	3724712	9.64E-10	2.10E-10	1.17E-09	1.90E-10	2.63E-11	2.17E-10	1.02E-09	1.22E-10	1.15E-09	1.05E-10	8.92E-12	1.14E-10
2985	437617.9	3724711	9.73E-10	2.11E-10	1.18E-09	1.92E-10	2.66E-11	2.19E-10	1.03E-09	1.23E-10	1.16E-09	1.06E-10	9.00E-12	1.15E-10
2986	437634.7	3724716	1.00E-09	2.18E-10	1.22E-09	1.98E-10	2.74E-11	2.25E-10	1.07E-09	1.27E-10	1.19E-09	1.10E-10	9.27E-12	1.19E-10
2987	437651.6	3724721	1.05E-09	2.28E-10	1.28E-09	2.08E-10	2.87E-11	2.36E-10	1.12E-09	1.33E-10	1.25E-09	1.15E-10	9.73E-12	1.25E-10
2988	437668.4	3724726	1.12E-09	2.44E-10	1.37E-09	2.22E-10	3.06E-11	2.53E-10	1.19E-09	1.42E-10	1.34E-09	1.23E-10	1.04E-11	1.33E-10
2989	437735.9	3724745	1.68E-09	3.65E-10	2.04E-09	3.32E-10	4.58E-11	3.77E-10	1.78E-09	2.13E-10	2.00E-09	1.84E-10	1.55E-11	1.99E-10
2990	437752.7	3724750	1.88E-09	4.09E-10	2.29E-09	3.72E-10	5.14E-11	4.23E-10	2.00E-09	2.38E-10	2.24E-09	2.06E-10	1.74E-11	2.23E-10
2991	437769.6	3724755	2.09E-09	4.53E-10	2.54E-09	4.12E-10	5.69E-11	4.69E-10	2.22E-09	2.64E-10	2.48E-09	2.28E-10	1.93E-11	2.48E-10
2992	437786.4	3724760	2.39E-09	5.20E-10	2.91E-09	4.73E-10	6.53E-11	5.38E-10	2.54E-09	3.03E-10	2.84E-09	2.62E-10	2.21E-11	2.84E-10
2993	437803.3	3724765	2.75E-09	5.98E-10	3.35E-09	5.44E-10	7.51E-11	6.19E-10	2.93E-09	3.49E-10	3.27E-09	3.01E-10	2.55E-11	3.27E-10
2994	437820.1	3724770	3.10E-09	6.74E-10	3.78E-09	6.13E-10	8.46E-11	6.97E-10	3.29E-09	3.93E-10	3.69E-09	3.39E-10	2.87E-11	3.68E-10
2995	437853.8	3724780	3.72E-09	8.09E-10	4.53E-09	7.35E-10	1.02E-10	8.37E-10	3.95E-09	4.71E-10	4.43E-09	4.07E-10	3.44E-11	4.42E-10
2996	437870.7	3724785	4.04E-09	8.78E-10	4.92E-09	7.98E-10	1.10E-10	9.09E-10	4.29E-09	5.12E-10	4.80E-09	4.42E-10	3.74E-11	4.79E-10
2997	437887.5	3724790	4.36E-09	9.48E-10	5.31E-09	8.62E-10	1.19E-10	9.81E-10	4.63E-09	5.52E-10	5.19E-09	4.77E-10	4.04E-11	5.18E-10
2998	437326.8	3724828	1.92E-09	4.17E-10	2.33E-09	3.79E-10	5.23E-11	4.31E-10	2.04E-09	2.43E-10	2.28E-09	2.10E-10	1.77E-11	2.27E-10
2999	437313.5	3724840	2.01E-09	4.37E-10	2.45E-09	3.97E-10	5.48E-11	4.52E-10	2.13E-09	2.54E-10	2.39E-09	2.20E-10	1.86E-11	2.38E-10
3000	437321.7	3724797	1.68E-09	3.64E-10	2.04E-09	3.31E-10	4.57E-11	3.77E-10	1.78E-09	2.12E-10	1.99E-09	1.83E-10	1.55E-11	1.99E-10
3001	437338.1	3724790	1.62E-09	3.52E-10	1.97E-09	3.20E-10	4.42E-11	3.64E-10	1.72E-09	2.05E-10	1.92E-09	1.77E-10	1.50E-11	1.92E-10
3002	437436.2	3724749	1.21E-09	2.63E-10	1.47E-09	2.39E-10	3.30E-11	2.72E-10	1.29E-09	1.53E-10	1.44E-09	1.32E-10	1.12E-11	1.44E-10
3003	437452.5	3724743	1.14E-09	2.49E-10	1.39E-09	2.26E-10	3.12E-11	2.57E-10	1.22E-09	1.45E-10	1.36E-09	1.25E-10	1.06E-11	1.36E-10
3004	437468.9	3724736	1.08E-09	2.35E-10	1.32E-09	2.14E-10	2.96E-11	2.43E-10	1.15E-09	1.37E-10	1.29E-09	1.18E-10	1.00E-11	1.29E-10
3005	437485.2	3724729	1.03E-09	2.23E-10	1.25E-09	2.03E-10	2.81E-11	2.31E-10	1.09E-09	1.30E-10	1.22E-09	1.13E-10	9.51E-12	1.22E-10
3006	437501.6	3724722	9.79E-10	2.13E-10	1.19E-09	1.93E-10	2.67E-11	2.20E-10	1.04E-09	1.24E-10	1.16E-09	1.07E-10	9.06E-12	1.16E-10
3007	437517.9	3724716	9.39E-10	2.04E-10	1.14E-09	1.85E-10	2.56E-11	2.11E-10	9.97E-10	1.19E-10	1.12E-09	1.03E-10	8.68E-12	1.11E-10
3008	437534.3	3724709	9.05E-10	1.97E-10	1.10E-09	1.79E-10	2.47E-11	2.04E-10	9.62E-10	1.15E-10	1.08E-09	9.90E-11	8.37E-12	1.07E-10
3009	437550.6	3724702	8.80E-10	1.91E-10	1.07E-09	1.74E-10	2.40E-11	1.98E-10	9.35E-10	1.11E-10	1.05E-09	9.63E-11	8.14E-12	1.04E-10
3010	437567	3724695	8.63E-10	1.87E-10	1.05E-09	1.70E-10	2.35E-11	1.94E-10	9.16E-10	1.09E-10	1.03E-09	9.44E-11	7.98E-12	1.02E-10
3011	437583.3	3724689	8.52E-10	1.85E-10	1.04E-09	1.68E-10	2.32E-11	1.92E-10	9.05E-10	1.08E-10	1.01E-09	9.32E-11	7.88E-12	1.01E-10
3012	437599.7	3724682	8.46E-10	1.84E-10	1.03E-09	1.67E-10	2.31E-11	1.90E-10	8.99E-10	1.07E-10	1.01E-09	9.26E-11	7.83E-12	1.00E-10
3013	437616.4	3724681	8.38E-10	1.82E-10	1.02E-09	1.66E-10	2.29E-11	1.88E-10	8.90E-10	1.06E-10	9.96E-10	9.17E-11	7.75E-12	9.94E-11
3014	437684.3	3724701	1.01E-09	2.20E-10	1.23E-09	2.00E-10	2.76E-11	2.28E-10	1.08E-09	1.28E-10	1.20E-09	1.11E-10	9.37E-12	1.20E-10
3015	437701.2	3724706	1.11E-09	2.40E-10	1.35E-09	2.19E-10	3.02E-11	2.49E-10	1.18E-09	1.40E-10	1.32E-09	1.21E-10	1.02E-11	1.31E-10
3016	437718.2	3724711	1.22E-09	2.65E-10	1.48E-09	2.41E-10	3.32E-11	2.74E-10	1.29E-09	1.54E-10	1.45E-09	1.33E-10	1.13E-11	1.45E-10
3017	437735.2	3724716	1.35E-09	2.92E-10	1.64E-09	2.66E-10	3.67E-11	3.03E-10	1.43E-09	1.70E-10	1.60E-09	1.47E-10	1.24E-11	1.60E-10
3018	437752.2	3724721	1.52E-09	3.29E-10	1.84E-09	2.99E-10	4.13E-11	3.41E-10	1.61E-09	1.92E-10	1.80E-09	1.66E-10	1.40E-11	1.80E-10
3019	437769.1	3724726	1.71E-09	3.72E-10	2.08E-09	3.38E-10	4.67E-11	3.84E-10	1.82E-09	2.17E-10	2.03E-09	1.87E-10	1.58E-11	2.03E-10
3020	437786.1	3724731	1.93E-09	4.20E-10	2.35E-09	3.82E-10	5.27E-11	4.35E-10	2.05E-09	2.45E-10	2.30E-09	2.11E-10	1.79E-11	2.29E-10
3021	437871	3724755	3.37E-09	7.32E-10	4.10E-09	6.66E-10	9.20E-11	7.58E-10	3.58E-09	4.27E-10	4.01E-09	3.69E-10	3.12E-11	4.00E-10
3022	437888	3724760	3.65E-09	7.92E-10	4.44E-09	7.20E-10	9.95E-11	8.20E-10	3.87E-09	4.62E-10	4.33E-09	3.99E-10	3.37E-11	4.33E-10
3023	437905	3724765	3.92E-09	8.52E-10	4.77E-09	7.74E-10	1.07E-10	8.81E-10	4.16E-09	4.96E-10	4.66E-09	4.29E-10	3.63E-11	4.65E-10
3024	437306.8	3724806	1.74E-09	3.79E-10	2.12E-09	3.44E-10	4.75E-11	3.92E-10	1.85E-09	2.21E-10	2.07E-09	1.91E-10	1.61E-11	2.07E-10
3025	437301.8	3724774	1.53E-09	3.33E-10	1.87E-09	3.03E-10	4.19E-11	3.45E-10	1.63E-09	1.94E-10	1.82E-09	1.68E-10	1.42E-11	1.82E-10
3026	437400.5	3724733	1.18E-09	2.57E-10	1.44E-09	2.34E-10	3.23E-11	2.66E-10	1.26E-09	1.50E-10	1.41E-09	1.29E-10	1.09E-11	1.40E-10
3027	437417	3724727	1.12E-09	2.44E-10	1.37E-09	2.21E-10	3.06E-11	2.52E-10	1.19E-09	1.42E-10	1.33E-09	1.23E-10	1.04E-11	1.33E-10
3028	437433.4	3724720	1.06E-09	2.31E-10	1.29E-09	2.10E-10	2.90E-11	2.39E-10	1.13E-09	1.34E-10	1.26E-09	1.16E-10	9.81E-12	1.26E-10
3029	437449.9	3724713	1.00E-09	2.18E-10	1.22E-09	1.98E-10	2.74E-11	2.26E-10	1.07E-09	1.27E-10	1.19E-09	1.10E-10	9.29E-12	1.19E-10
3030	437466.4	3724706	9.52E-10	2.07E-10	1.16E-09	1.88E-10	2.60E-11	2.14E-10	1.01E-09	1.21E-10	1.13E-09	1.04E-10	8.80E-12	1.13E-10
3031	437482.8	3724699	9.05E-10	1.97E-10	1.10E-09	1.79E-10	2.47E-11	2.04E-10	9.62E-10	1.15E-10	1.08E-09	9.90E-11	8.37E-12	1.07E-10
3032	437499.3	3724693	8.64E-10	1.88E-10	1.05E-09	1.71E-10	2.36E-11	1.94E-10	9.18E-10	1.09E-10	1.03E-09	9.45E-11	7.99E-12	1.02E-10
3033	437515.7	3724686	8.30E-10	1.80E-10	1.01E-09	1.64E-10	2.26E-11	1.87E-10	8.82E-10	1.05E-10	9.87E-10	9.08E-11	7.68E-12	9.85E-11
3034	437532.2	3724679	8.02E-10	1.74E-10	9.76E-10	1.58E-10	2.19E-11	1.80E-10	8.52E-10	1.02E-10	9.53E-10	8.77E-11	7.41E-12	9.51E-11
3035	437548.7	3724672	7.80E-10	1.70E-10	9.50E-10	1.54E-10	2.13E-11	1.75E-10	8.29E-10	9.88E-11	9.28E-10	8.54E-11	7.22E-12	9.26E-11
3036	437565.1	3724665	7.65E-10	1.66E-10	9.31E-10	1.51E-10	2.09E-11	1.72E-10	8.13E-10	9.69E-11	9.10E-10	8.37E-11	7.08E-12	9.08E-11

3037	437581.6	3724659	7.56E-10	1.64E-10	9.20E-10	1.49E-10	2.06E-11	1.70E-10	8.03E-10	9.57E-11	8.99E-10	8.27E-11	6.99E-12	8.97E-11
3038	437598	3724652	7.31E-10	1.59E-10	8.89E-10	1.44E-10	1.99E-11	1.64E-10	7.76E-10	9.25E-11	8.69E-10	7.99E-11	6.76E-12	8.67E-11
3039	437649	3724661	7.71E-10	1.67E-10	9.38E-10	1.52E-10	2.10E-11	1.73E-10	8.19E-10	9.76E-11	9.16E-10	8.43E-11	7.13E-12	9.15E-11
3040	437666.1	3724666	8.22E-10	1.79E-10	1.00E-09	1.62E-10	2.24E-11	1.85E-10	8.73E-10	1.04E-10	9.77E-10	8.99E-11	7.60E-12	9.75E-11
3041	437683.2	3724671	8.79E-10	1.91E-10	1.07E-09	1.74E-10	2.40E-11	1.98E-10	9.34E-10	1.11E-10	1.04E-09	9.61E-11	8.13E-12	1.04E-10
3042	437700.3	3724676	9.43E-10	2.05E-10	1.15E-09	1.86E-10	2.57E-11	2.12E-10	1.00E-09	1.19E-10	1.12E-09	1.03E-10	8.72E-12	1.12E-10
3043	437717.3	3724681	1.03E-09	2.24E-10	1.25E-09	2.03E-10	2.81E-11	2.31E-10	1.09E-09	1.30E-10	1.22E-09	1.13E-10	9.52E-12	1.22E-10
3044	437734.4	3724686	1.14E-09	2.47E-10	1.38E-09	2.24E-10	3.10E-11	2.55E-10	1.21E-09	1.44E-10	1.35E-09	1.24E-10	1.05E-11	1.35E-10
3045	437751.5	3724691	1.27E-09	2.76E-10	1.55E-09	2.51E-10	3.47E-11	2.86E-10	1.35E-09	1.61E-10	1.51E-09	1.39E-10	1.17E-11	1.51E-10
3046	437888.2	3724731	3.07E-09	6.67E-10	3.74E-09	6.06E-10	8.37E-11	6.90E-10	3.26E-09	3.89E-10	3.65E-09	3.36E-10	2.84E-11	3.64E-10
3047	437905.3	3724736	3.30E-09	7.18E-10	4.02E-09	6.53E-10	9.02E-11	7.43E-10	3.51E-09	4.18E-10	3.93E-09	3.62E-10	3.06E-11	3.92E-10
3048	437922.4	3724741	3.54E-09	7.70E-10	4.31E-09	7.00E-10	9.66E-11	7.96E-10	3.76E-09	4.49E-10	4.21E-09	3.87E-10	3.28E-11	4.20E-10
3049	437381.2	3724711	1.10E-09	2.39E-10	1.34E-09	2.17E-10	3.00E-11	2.47E-10	1.17E-09	1.39E-10	1.31E-09	1.20E-10	1.02E-11	1.31E-10
3050	437397.7	3724704	1.04E-09	2.27E-10	1.27E-09	2.06E-10	2.85E-11	2.35E-10	1.11E-09	1.32E-10	1.24E-09	1.14E-10	9.66E-12	1.24E-10
3051	437414.3	3724697	9.89E-10	2.15E-10	1.20E-09	1.95E-10	2.70E-11	2.22E-10	1.05E-09	1.25E-10	1.18E-09	1.08E-10	9.15E-12	1.17E-10
3052	437430.8	3724690	9.37E-10	2.04E-10	1.14E-09	1.85E-10	2.56E-11	2.11E-10	9.96E-10	1.19E-10	1.11E-09	1.03E-10	8.67E-12	1.11E-10
3053	437447.4	3724683	8.88E-10	1.93E-10	1.08E-09	1.75E-10	2.42E-11	2.00E-10	9.43E-10	1.12E-10	1.06E-09	9.71E-11	8.21E-12	1.05E-10
3054	437463.9	3724677	8.43E-10	1.83E-10	1.03E-09	1.67E-10	2.30E-11	1.90E-10	8.96E-10	1.07E-10	1.00E-09	9.22E-11	7.80E-12	1.00E-10
3055	437480.5	3724670	8.03E-10	1.74E-10	9.77E-10	1.59E-10	2.19E-11	1.80E-10	8.53E-10	1.02E-10	9.55E-10	8.78E-11	7.43E-12	9.53E-11
3056	437497.1	3724663	7.68E-10	1.67E-10	9.35E-10	1.52E-10	2.10E-11	1.73E-10	8.16E-10	9.73E-11	9.13E-10	8.41E-11	7.11E-12	9.12E-11
3057	437513.6	3724656	7.39E-10	1.61E-10	8.99E-10	1.46E-10	2.02E-11	1.66E-10	7.85E-10	9.36E-11	8.78E-10	8.08E-11	6.83E-12	8.77E-11
3058	437530.2	3724649	7.16E-10	1.55E-10	8.71E-10	1.41E-10	1.95E-11	1.61E-10	7.60E-10	9.06E-11	8.51E-10	7.83E-11	6.62E-12	8.49E-11
3059	437699.2	3724646	8.39E-10	1.82E-10	1.02E-09	1.66E-10	2.29E-11	1.89E-10	8.92E-10	1.06E-10	9.98E-10	9.18E-11	7.76E-12	9.96E-11
3060	437716.4	3724651	9.12E-10	1.98E-10	1.11E-09	1.80E-10	2.49E-11	2.05E-10	9.69E-10	1.16E-10	1.08E-09	9.98E-11	8.44E-12	1.08E-10
3061	437785.2	3724671	1.43E-09	3.10E-10	1.74E-09	2.82E-10	3.90E-11	3.21E-10	1.52E-09	1.81E-10	1.70E-09	1.56E-10	1.32E-11	1.69E-10
3062	437793.7	3724674	1.52E-09	3.30E-10	1.85E-09	3.00E-10	4.15E-11	3.42E-10	1.61E-09	1.93E-10	1.81E-09	1.66E-10	1.41E-11	1.80E-10
3063	437810.9	3724679	1.72E-09	3.73E-10	2.09E-09	3.39E-10	4.69E-11	3.86E-10	1.82E-09	2.17E-10	2.04E-09	1.88E-10	1.59E-11	2.04E-10
3064	437828.1	3724684	1.95E-09	4.23E-10	2.37E-09	3.84E-10	5.31E-11	4.38E-10	2.07E-09	2.46E-10	2.31E-09	2.13E-10	1.80E-11	2.31E-10
3065	437845.3	3724689	2.12E-09	4.62E-10	2.59E-09	4.20E-10	5.80E-11	4.78E-10	2.26E-09	2.69E-10	2.53E-09	2.32E-10	1.97E-11	2.52E-10
3066	437862.5	3724694	2.31E-09	5.03E-10	2.82E-09	4.57E-10	6.31E-11	5.20E-10	2.46E-09	2.93E-10	2.75E-09	2.53E-10	2.14E-11	2.74E-10
3067	437879.7	3724699	2.50E-09	5.44E-10	3.05E-09	4.95E-10	6.83E-11	5.63E-10	2.66E-09	3.17E-10	2.98E-09	2.74E-10	2.32E-11	2.97E-10
3068	437914.1	3724709	2.85E-09	6.19E-10	3.47E-09	5.62E-10	7.77E-11	6.40E-10	3.03E-09	3.61E-10	3.39E-09	3.12E-10	2.63E-11	3.38E-10
3069	437931.3	3724714	3.01E-09	6.54E-10	3.66E-09	5.94E-10	8.21E-11	6.76E-10	3.20E-09	3.81E-10	3.58E-09	3.29E-10	2.78E-11	3.57E-10
3070	437359.2	3724689	1.04E-09	2.25E-10	1.26E-09	2.05E-10	2.83E-11	2.33E-10	1.10E-09	1.31E-10	1.23E-09	1.13E-10	9.59E-12	1.23E-10
3071	437375.5	3724682	9.87E-10	2.14E-10	1.20E-09	1.95E-10	2.69E-11	2.22E-10	1.05E-09	1.25E-10	1.17E-09	1.08E-10	9.13E-12	1.17E-10
3072	437391.7	3724676	9.37E-10	2.04E-10	1.14E-09	1.85E-10	2.56E-11	2.11E-10	9.96E-10	1.19E-10	1.11E-09	1.03E-10	8.67E-12	1.11E-10
3073	437408	3724669	8.90E-10	1.93E-10	1.08E-09	1.76E-10	2.43E-11	2.00E-10	9.45E-10	1.13E-10	1.06E-09	9.73E-11	8.23E-12	1.06E-10
3074	437424.2	3724662	8.44E-10	1.83E-10	1.03E-09	1.67E-10	2.30E-11	1.90E-10	8.97E-10	1.07E-10	1.00E-09	9.24E-11	7.81E-12	1.00E-10
3075	437440.5	3724656	8.02E-10	1.74E-10	9.76E-10	1.58E-10	2.19E-11	1.80E-10	8.52E-10	1.02E-10	9.53E-10	8.77E-11	7.41E-12	9.51E-11
3076	437780.3	3724640	1.21E-09	2.62E-10	1.47E-09	2.39E-10	3.30E-11	2.72E-10	1.28E-09	1.53E-10	1.44E-09	1.32E-10	1.12E-11	1.43E-10
3077	437797.2	3724645	1.36E-09	2.95E-10	1.65E-09	2.68E-10	3.70E-11	3.05E-10	1.44E-09	1.72E-10	1.61E-09	1.49E-10	1.26E-11	1.61E-10
3078	437814	3724650	1.53E-09	3.31E-10	1.86E-09	3.01E-10	4.16E-11	3.43E-10	1.62E-09	1.93E-10	1.81E-09	1.67E-10	1.41E-11	1.81E-10
3079	437830.9	3724655	1.70E-09	3.69E-10	2.07E-09	3.35E-10	4.63E-11	3.82E-10	1.80E-09	2.15E-10	2.02E-09	1.86E-10	1.57E-11	2.01E-10
3080	437847.8	3724660	1.84E-09	4.01E-10	2.25E-09	3.64E-10	5.03E-11	4.15E-10	1.96E-09	2.34E-10	2.19E-09	2.02E-10	1.71E-11	2.19E-10
3081	437864.7	3724665	1.98E-09	4.31E-10	2.42E-09	3.92E-10	5.41E-11	4.46E-10	2.11E-09	2.51E-10	2.36E-09	2.17E-10	1.84E-11	2.35E-10
3082	437881.6	3724670	2.11E-09	4.59E-10	2.57E-09	4.18E-10	5.77E-11	4.75E-10	2.25E-09	2.68E-10	2.51E-09	2.31E-10	1.96E-11	2.51E-10
3083	437898.4	3724675	2.25E-09	4.89E-10	2.74E-09	4.44E-10	6.14E-11	5.06E-10	2.39E-09	2.85E-10	2.68E-09	2.46E-10	2.08E-11	2.67E-10
3084	437290.8	3724687	1.11E-09	2.40E-10	1.35E-09	2.18E-10	3.02E-11	2.48E-10	1.17E-09	1.40E-10	1.31E-09	1.21E-10	1.02E-11	1.31E-10
3085	437307.1	3724680	1.06E-09	2.31E-10	1.29E-09	2.10E-10	2.90E-11	2.39E-10	1.13E-09	1.35E-10	1.26E-09	1.16E-10	9.83E-12	1.26E-10
3086	437323.5	3724673	1.02E-09	2.21E-10	1.24E-09	2.01E-10	2.78E-11	2.29E-10	1.08E-09	1.29E-10	1.21E-09	1.11E-10	9.43E-12	1.21E-10
3087	437339.8	3724667	9.73E-10	2.11E-10	1.18E-09	1.92E-10	2.66E-11	2.19E-10	1.03E-09	1.23E-10	1.16E-09	1.06E-10	9.00E-12	1.15E-10
3088	437356.2	3724660	9.27E-10	2.01E-10	1.13E-09	1.83E-10	2.53E-11	2.08E-10	9.85E-10	1.17E-10	1.10E-09	1.01E-10	8.58E-12	1.10E-10
3089	437372.5	3724653	8.82E-10	1.92E-10	1.07E-09	1.74E-10	2.41E-11	1.98E-10	9.37E-10	1.12E-10	1.05E-09	9.65E-11	8.16E-12	1.05E-10
3090	437881.6	3724641	1.79E-09	3.89E-10	2.18E-09	3.54E-10	4.89E-11	4.03E-10	1.90E-09	2.27E-10	2.13E-09	1.96E-10	1.66E-11	2.13E-10
3091	437264.1	3724657	1.02E-09	2.21E-10	1.24E-09	2.01E-10	2.77E-11	2.29E-10	1.08E-09	1.29E-10	1.21E-09	1.11E-10	9.40E-12	1.21E-10
3092	437280.5	3724650	9.79E-10	2.13E-10	1.19E-09	1.93E-10	2.67E-11	2.20E-10	1.04E-09	1.24E-10	1.16E-09	1.07E-10	9.06E-12	1.16E-10
3093	437296.8	3724644	9.41E-10	2.04E-10	1.15E-09	1.86E-10	2.57E-11	2.12E-10	1.00E-09	1.19E-10	1.12E-09	1.03E-10	8.70E-12	1.12E-10
3094	437313.2	3724637	9.02E-10	1.96E-10	1.10E-09	1.78E-10	2.46E-11	2.03E-10	9.58E-10	1.14E-10	1.07E-09	9.86E-11	8.34E-12	1.07E-10
3095	437329.5	3724630	8.61E-10	1.87E-10	1.05E-09	1.70E-10	2.35E-11	1.94E-10	9.15E-10	1.09E-10	1.02E-09	9.42E-11	7.97E-12	1.02E-10
3096	437345.9	3724623	8.21E-10	1.78E-10	1.00E-09	1.62E-10	2.24E-11	1.85E-10	8.72E-10	1.04E-10	9.76E-10	8.98E-11	7.59E-12	9.74E-11
3097	437160.1	3724722	1.26E-09	2.74E-10	1.53E-09	2.49E-10	3.44E-11	2.83E-10	1.34E-09	1.60E-10	1.50E-09	1.38E-10	1.17E-11	1.50E-10
3098	437253.8	3724620	9.07E-10	1.97E-10	1.10E-09	1.79E-10	2.48E-11	2.04E-10	9.64E-10	1.15E-10	1.08E-09	9.92E-11	8.39E-12	1.08E-10
3099	437270.2	3724614	8.74E-10	1.90E-10	1.06E-09	1.73E-10	2.38E-11	1.96E-10	9.28E-10	1.11E-10	1.04E-09	9.56E-11	8.08E-12	1.04E-10
3100	437286.5	3724607	8.39E-10	1.82E-10	1.02E-09	1.66E-10	2.29E-11	1.89E-10	8.92E-10	1.06E-10	9.98E-10	9.18E-11	7.76E-12	9.96E-11
3101	437302.9	3724600	8.04E-10	1.75E-10	9.78E-10	1.59E-10	2.19E-11	1.81E-10	8.54E-10	1.02E-10	9.55E-10	8.79E-11	7.43E-12	9.53E-11
3102	437319.2	3724593	7.68E-10	1.67E-10	9.35E-10	1.52E-10	2.10E-11	1.73E-10	8.16E-10	9.73E-11	9.13E-10	8.41E-11	7.11E-12	9.12E-11
3103	437133.5	3724693	1.15E-09	2.50E-10	1.40E-09	2.27E-10	3.14E-11	2.59E-10	1.22E-09	1.46E-10	1.37E-09	1.26E-10	1.07E-11	1.37E-10
3104	437120.2	3724651	1.03E-09	2.24E-10	1.26E-09	2.04E-10	2.82E-11	2.32E-10	1.10E-09	1.31E-10	1.23E-09	1.13E-10	9.55E-12	1.23E-10
3105	437106.8	3724663	1.06E-09	2.30E-10	1.29E-09	2.09E-10	2.88E-11	2.38E-10	1.12E-09	1.34E-10	1.26E-09	1.16E-10	9.78E-12	1.25E-10
3106	437106.9	3724609	9.32E-10	2.02E-10	1.13E-09	1.84E-10	2.54E-11	2.09E-10	9.90E-10	1.18E-10	1.11E-09	1.02E-10	8.62E-12	1.11E-10
3107	437093.5	3724621	9.56E-10	2.08E-10	1.16E-09	1.89E-10	2.61E-11	2.15E-10	1.02E-09	1.21E-10	1.14E-09	1.05E-10	8.84E-12	1.13E-10
3108	437080.1	3724633	9.78E-10	2.13E-10	1.19E-09	1.93E-10	2.67E-11	2.20E-10	1.04E-09	1.24E-10	1.16E-09	1.07E-10	9.05E-12	1.16E-10
3109	437080.2	3724579	8.67E-10	1.88E-10	1.06E-09	1.71E-10	2.37E-11	1.95E-10	9.21E-10	1.10E-10	1.03E-09	9.48E-11	8.02E-12	1.03E-10
3110	437066.9	3724591	8.89E-10	1.93E-10	1.08E-09	1.76E-10	2.43E-11	2.00E-10	9.44E-10	1.13E-10	1.06E-09	9.72E-11	8.22E-12	1.05E-10
3111	437053.5	3724603	9.10E-10	1.98E-10	1.11E-09	1.80E-10	2.48E-11	2.04E-10	9.66E-10	1.15E-10	1.08E-09	9.95E-11	8.41E-12	1.08E-10
3112	437000.2	3724544	7.97E-10	1.73E-10	9.70E-10	1.57E-10	2.18E-11	1.79E-10	8.47E-10	1.01E-10	9.48E-10	8.72E-11	7.37E-12	9.46E-11

3113	436986.9	3724502	7.38E-10	1.60E-10	8.99E-10	1.46E-10	2.01E-11	1.66E-10	7.84E-10	9.35E-11	8.78E-10	8.08E-11	6.83E-12	8.76E-11
3114	436973.5	3724514	7.54E-10	1.64E-10	9.18E-10	1.49E-10	2.06E-11	1.69E-10	8.01E-10	9.55E-11	8.96E-10	8.25E-11	6.97E-12	8.94E-11
3115	436986.9	3724448	6.66E-10	1.45E-10	8.11E-10	1.32E-10	1.82E-11	1.50E-10	7.07E-10	8.43E-11	7.92E-10	7.29E-11	6.16E-12	7.90E-11
3116	436973.6	3724460	6.82E-10	1.48E-10	8.30E-10	1.35E-10	1.86E-11	1.53E-10	7.24E-10	8.63E-11	8.10E-10	7.46E-11	6.30E-12	8.09E-11
3117	436960.2	3724472	6.97E-10	1.52E-10	8.49E-10	1.38E-10	1.90E-11	1.57E-10	7.41E-10	8.83E-11	8.29E-10	7.63E-11	6.45E-12	8.27E-11
3118	436946.9	3724484	7.12E-10	1.55E-10	8.66E-10	1.41E-10	1.94E-11	1.60E-10	7.56E-10	9.01E-11	8.46E-10	7.79E-11	6.58E-12	8.45E-11
3119	436975.1	3724409	6.20E-10	1.35E-10	7.55E-10	1.22E-10	1.69E-11	1.39E-10	6.59E-10	7.85E-11	7.37E-10	6.78E-11	5.74E-12	7.36E-11
3120	436960.3	3724418	6.33E-10	1.38E-10	7.71E-10	1.25E-10	1.73E-11	1.42E-10	6.73E-10	8.02E-11	7.53E-10	6.93E-11	5.86E-12	7.51E-11
3121	436946.9	3724430	6.48E-10	1.41E-10	7.89E-10	1.28E-10	1.77E-11	1.46E-10	6.89E-10	8.21E-11	7.71E-10	7.09E-11	6.00E-12	7.69E-11
3122	436933.6	3724442	6.62E-10	1.44E-10	8.05E-10	1.31E-10	1.80E-11	1.49E-10	7.03E-10	8.38E-11	7.86E-10	7.24E-11	6.12E-12	7.85E-11
3123	436920.2	3724454	6.74E-10	1.46E-10	8.21E-10	1.33E-10	1.84E-11	1.52E-10	7.16E-10	8.54E-11	8.01E-10	7.37E-11	6.23E-12	8.00E-11
3124	437537.8	3725190	4.84E-08	1.05E-08	5.89E-08	9.56E-09	1.32E-09	1.09E-08	5.14E-08	6.13E-09	5.75E-08	5.29E-09	4.48E-10	5.74E-09
3125	437530.5	3725196	4.76E-08	1.03E-08	5.80E-08	9.41E-09	1.30E-09	1.07E-08	5.06E-08	6.03E-09	5.66E-08	5.21E-09	4.41E-10	5.65E-09
3126	437523.1	3725203	4.63E-08	1.01E-08	5.64E-08	9.15E-09	1.26E-09	1.04E-08	4.92E-08	5.87E-09	5.51E-08	5.07E-09	4.29E-10	5.50E-09
3127	437538.5	3725176	4.01E-08	8.71E-09	4.88E-08	7.92E-09	1.09E-09	9.02E-09	4.26E-08	5.08E-09	4.77E-08	4.39E-09	3.71E-10	4.76E-09
3128	437531.1	3725182	4.02E-08	8.73E-09	4.89E-08	7.94E-09	1.10E-09	9.03E-09	4.27E-08	5.09E-09	4.78E-08	4.40E-09	3.72E-10	4.77E-09
3129	437523.8	3725189	3.98E-08	8.65E-09	4.84E-08	7.86E-09	1.09E-09	8.95E-09	4.23E-08	5.04E-09	4.73E-08	4.35E-09	3.68E-10	4.72E-09
3130	437516.5	3725196	3.90E-08	8.46E-09	4.74E-08	7.69E-09	1.06E-09	8.76E-09	4.14E-08	4.93E-09	4.63E-08	4.26E-09	3.60E-10	4.62E-09
3131	437531.8	3725168	3.39E-08	7.37E-09	4.13E-08	6.70E-09	9.26E-10	7.63E-09	3.60E-08	4.30E-09	4.03E-08	3.71E-09	3.14E-10	4.02E-09
3132	437524.4	3725175	3.40E-08	7.40E-09	4.14E-08	6.73E-09	9.29E-10	7.65E-09	3.62E-08	4.31E-09	4.05E-08	3.72E-09	3.15E-10	4.04E-09
3133	437517.1	3725182	3.38E-08	7.35E-09	4.12E-08	6.69E-09	9.24E-10	7.61E-09	3.60E-08	4.29E-09	4.02E-08	3.70E-09	3.13E-10	4.02E-09
3134	437509.8	3725188	3.33E-08	7.23E-09	4.05E-08	6.58E-09	9.08E-10	7.48E-09	3.54E-08	4.22E-09	3.96E-08	3.64E-09	3.08E-10	3.95E-09
3135	437525.1	3725161	2.91E-08	6.33E-09	3.55E-08	5.75E-09	7.95E-10	6.55E-09	3.09E-08	3.69E-09	3.46E-08	3.19E-09	2.69E-10	3.46E-09
3136	437517.7	3725167	2.93E-08	6.37E-09	3.57E-08	5.79E-09	8.00E-10	6.59E-09	3.11E-08	3.71E-09	3.48E-08	3.21E-09	2.71E-10	3.48E-09
3137	437510.4	3725174	2.92E-08	6.35E-09	3.56E-08	5.77E-09	7.97E-10	6.57E-09	3.10E-08	3.70E-09	3.47E-08	3.20E-09	2.70E-10	3.47E-09
3138	437503.1	3725181	2.88E-08	6.26E-09	3.51E-08	5.70E-09	7.87E-10	6.48E-09	3.06E-08	3.65E-09	3.43E-08	3.15E-09	2.67E-10	3.42E-09
3139	437518.4	3725153	2.53E-08	5.50E-09	3.08E-08	5.00E-09	6.91E-10	5.69E-09	2.69E-08	3.21E-09	3.01E-08	2.77E-09	2.34E-10	3.00E-09
3140	437511	3725160	2.55E-08	5.55E-09	3.11E-08	5.04E-09	6.97E-10	5.74E-09	2.71E-08	3.23E-09	3.04E-08	2.79E-09	2.36E-10	3.03E-09
3141	437503.7	3725167	2.55E-08	5.54E-09	3.10E-08	5.04E-09	6.96E-10	5.73E-09	2.71E-08	3.23E-09	3.03E-08	2.79E-09	2.36E-10	3.03E-09
3142	437496.4	3725173	2.53E-08	5.49E-09	3.08E-08	4.99E-09	6.89E-10	5.68E-09	2.68E-08	3.20E-09	3.00E-08	2.76E-09	2.34E-10	3.00E-09
3143	437489	3725180	2.48E-08	5.39E-09	3.02E-08	4.90E-09	6.77E-10	5.58E-09	2.64E-08	3.14E-09	2.95E-08	2.72E-09	2.30E-10	2.94E-09
3144	437519	3725139	2.18E-08	4.75E-09	2.66E-08	4.31E-09	5.96E-10	4.91E-09	2.32E-08	2.77E-09	2.60E-08	2.39E-09	2.02E-10	2.59E-09
3145	437511.7	3725146	2.22E-08	4.83E-09	2.71E-08	4.39E-09	6.07E-10	5.00E-09	2.36E-08	2.82E-09	2.64E-08	2.43E-09	2.06E-10	2.64E-09
3146	437504.3	3725153	2.25E-08	4.88E-09	2.73E-08	4.43E-09	6.13E-10	5.05E-09	2.39E-08	2.84E-09	2.67E-08	2.46E-09	2.08E-10	2.66E-09
3147	437497	3725159	2.25E-08	4.88E-09	2.74E-08	4.44E-09	6.13E-10	5.05E-09	2.39E-08	2.85E-09	2.67E-08	2.46E-09	2.08E-10	2.67E-09
3148	437489.7	3725166	2.23E-08	4.85E-09	2.72E-08	4.41E-09	6.09E-10	5.02E-09	2.37E-08	2.83E-09	2.65E-08	2.44E-09	2.07E-10	2.65E-09
3149	437482.3	3725173	2.20E-08	4.78E-09	2.68E-08	4.35E-09	6.00E-10	4.95E-09	2.34E-08	2.79E-09	2.62E-08	2.41E-09	2.04E-10	2.61E-09
3150	437512.3	3725132	1.93E-08	4.20E-09	2.35E-08	3.82E-09	5.28E-10	4.35E-09	2.05E-08	2.45E-09	2.30E-08	2.12E-09	1.79E-10	2.29E-09
3151	437505	3725139	1.97E-08	4.28E-09	2.40E-08	3.89E-09	5.38E-10	4.43E-09	2.09E-08	2.49E-09	2.34E-08	2.16E-09	1.82E-10	2.34E-09
3152	437497.6	3725145	1.99E-08	4.33E-09	2.42E-08	3.93E-09	5.43E-10	4.48E-09	2.12E-08	2.52E-09	2.37E-08	2.18E-09	1.84E-10	2.36E-09
3153	437490.3	3725152	2.00E-08	4.34E-09	2.43E-08	3.95E-09	5.45E-10	4.49E-09	2.12E-08	2.53E-09	2.37E-08	2.19E-09	1.85E-10	2.37E-09
3154	437483	3725158	1.99E-08	4.32E-09	2.42E-08	3.93E-09	5.42E-10	4.47E-09	2.11E-08	2.52E-09	2.36E-08	2.17E-09	1.84E-10	2.36E-09
3155	437475.6	3725165	1.96E-08	4.27E-09	2.39E-08	3.88E-09	5.36E-10	4.41E-09	2.09E-08	2.49E-09	2.33E-08	2.15E-09	1.82E-10	2.33E-09
3156	437498.9	3725117	1.55E-08	3.37E-09	1.89E-08	3.06E-09	4.23E-10	3.48E-09	1.65E-08	1.96E-09	1.84E-08	1.70E-09	1.43E-10	1.84E-09
3157	437491.6	3725124	1.58E-08	3.44E-09	1.92E-08	3.12E-09	4.31E-10	3.55E-09	1.68E-08	2.00E-09	1.88E-08	1.73E-09	1.46E-10	1.88E-09
3158	437484.3	3725130	1.60E-08	3.48E-09	1.95E-08	3.16E-09	4.37E-10	3.60E-09	1.70E-08	2.03E-09	1.90E-08	1.75E-09	1.48E-10	1.90E-09
3159	437422	3725106	9.47E-09	2.06E-09	1.15E-08	1.87E-09	2.58E-10	2.13E-09	1.01E-08	1.20E-09	1.13E-08	1.04E-09	8.76E-11	1.12E-09
3160	437414.7	3725112	9.42E-09	2.05E-09	1.15E-08	1.86E-09	2.57E-10	2.12E-09	1.00E-08	1.19E-09	1.12E-08	1.03E-09	8.71E-11	1.12E-09
3161	437423.3	3725078	8.12E-09	1.76E-09	9.89E-09	1.60E-09	2.22E-10	1.83E-09	8.63E-09	1.03E-09	9.66E-09	8.88E-10	7.51E-11	9.64E-10
3162	437416	3725084	8.16E-09	1.77E-09	9.93E-09	1.61E-09	2.23E-10	1.83E-09	8.67E-09	1.03E-09	9.70E-09	8.93E-10	7.55E-11	9.68E-10
3163	437408.6	3725091	8.17E-09	1.77E-09	9.94E-09	1.61E-09	2.23E-10	1.84E-09	8.67E-09	1.03E-09	9.71E-09	8.93E-10	7.55E-11	9.69E-10
3164	437432	3725043	6.77E-09	1.47E-09	8.24E-09	1.34E-09	1.85E-10	1.52E-09	7.19E-09	8.57E-10	8.05E-09	7.41E-10	6.26E-11	8.03E-10
3165	437424.6	3725049	6.90E-09	1.50E-09	8.39E-09	1.36E-09	1.88E-10	1.55E-09	7.33E-09	8.73E-10	8.20E-09	7.54E-10	6.38E-11	8.18E-10
3166	437417.3	3725056	6.99E-09	1.52E-09	8.51E-09	1.38E-09	1.91E-10	1.57E-09	7.43E-09	8.86E-10	8.32E-09	7.65E-10	6.47E-11	8.30E-10
3167	437409.9	3725063	7.06E-09	1.53E-09	8.60E-09	1.40E-09	1.93E-10	1.59E-09	7.50E-09	8.95E-10	8.40E-09	7.73E-10	6.53E-11	8.38E-10
3168	437402.6	3725069	7.11E-09	1.54E-09	8.65E-09	1.40E-09	1.94E-10	1.60E-09	7.55E-09	9.00E-10	8.45E-09	7.78E-10	6.57E-11	8.43E-10
3169	437395.2	3725076	7.13E-09	1.55E-09	8.67E-09	1.41E-09	1.94E-10	1.60E-09	7.57E-09	9.02E-10	8.47E-09	7.80E-10	6.59E-11	8.45E-10
3170	437387.9	3725083	7.12E-09	1.55E-09	8.66E-09	1.41E-09	1.94E-10	1.60E-09	7.56E-09	9.01E-10	8.46E-09	7.78E-10	6.58E-11	8.44E-10
3171	437418.6	3725028	5.95E-09	1.29E-09	7.24E-09	1.17E-09	1.62E-10	1.34E-09	6.32E-09	7.53E-10	7.07E-09	6.51E-10	5.50E-11	7.05E-10
3172	437411.2	3725035	6.06E-09	1.32E-09	7.37E-09	1.20E-09	1.65E-10	1.36E-09	6.43E-09	7.67E-10	7.20E-09	6.62E-10	5.60E-11	7.18E-10
3173	437403.9	3725041	6.14E-09	1.33E-09	7.48E-09	1.21E-09	1.68E-10	1.38E-09	6.53E-09	7.78E-10	7.30E-09	6.72E-10	5.68E-11	7.29E-10
3174	437396.5	3725048	6.21E-09	1.35E-09	7.56E-09	1.23E-09	1.69E-10	1.40E-09	6.59E-09	7.86E-10	7.38E-09	6.79E-10	5.74E-11	7.36E-10
3175	437389.2	3725055	6.25E-09	1.36E-09	7.61E-09	1.23E-09	1.70E-10	1.40E-09	6.64E-09	7.91E-10	7.43E-09	6.83E-10	5.78E-11	7.41E-10
3176	437381.8	3725061	6.27E-09	1.36E-09	7.63E-09	1.24E-09	1.71E-10	1.41E-09	6.66E-09	7.94E-10	7.45E-09	6.86E-10	5.80E-11	7.44E-10
3177	437405.2	3725013	5.27E-09	1.14E-09	6.41E-09	1.04E-09	1.44E-10	1.18E-09	5.59E-09	6.67E-10	6.26E-09	5.76E-10	4.87E-11	6.25E-10
3178	437397.8	3725020	5.36E-09	1.17E-09	6.53E-09	1.06E-09	1.46E-10	1.21E-09	5.70E-09	6.79E-10	6.37E-09	5.87E-10	4.96E-11	6.36E-10
3179	437390.5	3725026	5.44E-09	1.18E-09	6.62E-09	1.07E-09	1.48E-10	1.22E-09	5.78E-09	6.89E-10	6.47E-09	5.95E-10	5.03E-11	6.45E-10
3180	437383.1	3725033	5.50E-09	1.19E-09	6.69E-09	1.09E-09	1.50E-10	1.24E-09	5.84E-09	6.96E-10	6.54E-09	6.01E-10	5.09E-11	6.52E-10
3181	437375.8	3725040	5.54E-09	1.20E-09	6.74E-09	1.09E-09	1.51E-10	1.24E-09	5.88E-09	7.01E-10	6.58E-09	6.06E-10	5.12E-11	6.57E-10
3182	437391.8	3724998	4.70E-09	1.02E-09	5.72E-09	9.28E-10	1.28E-10	1.06E-09	4.99E-09	5.95E-10	5.59E-09	5.14E-10	4.35E-11	5.58E-10
3183	437384.4	3725005	4.78E-09	1.04E-09	5.82E-09	9.45E-10	1.30E-10	1.08E-09	5.08E-09	6.06E-10	5.69E-09	5.23E-10	4.42E-11	5.67E-10
3184	437377.1	3725012	4.85E-09	1.05E-09	5.91E-09	9.58E-10	1.32E-10	1.09E-09	5.15E-09	6.14E-10	5.77E-09	5.31E-10	4.49E-11	5.76E-10
3185	437369.7	3725018	4.90E-09	1.07E-09	5.97E-09	9.69E-10	1.34E-10	1.10E-09	5.21E-09	6.21E-10	5.83E-09	5.36E-10	4.54E-11	5.82E-10
3186	437347.7	3725038	4.98E-09	1.08E-09	6.06E-09	9.83E-10	1.36E-10	1.12E-09	5.29E-09	6.30E-10	5.92E-09	5.44E-10	4.60E-11	5.90E-10
3187	437378.4	3724983	4.22E-09	9.17E-10	5.14E-09	8.34E-10	1.15E-10	9.49E-10	4.48E-09	5.35E-10	5.02E-09	4.62E-10	3.90E-11	5.01E-10
3188	437371	3724990	4.29E-09	9.33E-10	5.23E-09	8.48E-10	1.17E-10	9.65E-10	4.56E-09	5.44E-10	5.11E-09	4.70E-10	3.97E-11	5.10E-10

3189	437341.6	3725017	4.47E-09	9.71E-10	5.44E-09	8.83E-10	1.22E-10	1.00E-09	4.75E-09	5.66E-10	5.31E-09	4.89E-10	4.13E-11	5.30E-10
3190	437334.3	3725023	4.48E-09	9.74E-10	5.46E-09	8.85E-10	1.22E-10	1.01E-09	4.76E-09	5.68E-10	5.33E-09	4.90E-10	4.15E-11	5.32E-10
3191	437358.3	3724961	3.63E-09	7.89E-10	4.42E-09	7.18E-10	9.91E-11	8.17E-10	3.86E-09	4.60E-10	4.32E-09	3.98E-10	3.36E-11	4.31E-10
3192	437328.9	3724988	3.83E-09	8.32E-10	4.66E-09	7.56E-10	1.04E-10	8.60E-10	4.07E-09	4.85E-10	4.55E-09	4.19E-10	3.54E-11	4.54E-10
3193	437321.5	3724994	3.85E-09	8.37E-10	4.69E-09	7.61E-10	1.05E-10	8.66E-10	4.09E-09	4.88E-10	4.58E-09	4.21E-10	3.56E-11	4.57E-10
3194	437314.2	3725001	3.86E-09	8.39E-10	4.70E-09	7.63E-10	1.05E-10	8.68E-10	4.10E-09	4.89E-10	4.59E-09	4.23E-10	3.57E-11	4.58E-10
3195	437316.1	3724959	3.30E-09	7.18E-10	4.02E-09	6.52E-10	9.01E-11	7.42E-10	3.51E-09	4.18E-10	3.93E-09	3.61E-10	3.05E-11	3.92E-10
3196	437308.8	3724965	3.33E-09	7.24E-10	4.06E-09	6.58E-10	9.09E-11	7.49E-10	3.54E-09	4.22E-10	3.96E-09	3.65E-10	3.08E-11	3.95E-10
3197	437301.5	3724972	3.35E-09	7.28E-10	4.08E-09	6.62E-10	9.14E-11	7.53E-10	3.56E-09	4.24E-10	3.98E-09	3.67E-10	3.10E-11	3.98E-10
3198	437294.1	3724979	3.36E-09	7.30E-10	4.09E-09	6.64E-10	9.17E-11	7.55E-10	3.57E-09	4.25E-10	3.99E-09	3.67E-10	3.11E-11	3.99E-10
3199	437310.7	3724923	2.83E-09	6.15E-10	3.45E-09	5.60E-10	7.73E-11	6.37E-10	3.01E-09	3.59E-10	3.37E-09	3.10E-10	2.62E-11	3.36E-10
3200	437303.4	3724930	2.87E-09	6.24E-10	3.50E-09	5.67E-10	7.84E-11	6.46E-10	3.05E-09	3.64E-10	3.41E-09	3.14E-10	2.66E-11	3.41E-10
3201	437296	3724937	2.90E-09	6.31E-10	3.53E-09	5.73E-10	7.92E-11	6.53E-10	3.08E-09	3.68E-10	3.45E-09	3.18E-10	2.69E-11	3.44E-10
3202	437288.7	3724943	2.93E-09	6.36E-10	3.56E-09	5.78E-10	7.98E-11	6.58E-10	3.11E-09	3.70E-10	3.48E-09	3.20E-10	2.71E-11	3.47E-10
3203	437281.4	3724950	2.94E-09	6.39E-10	3.58E-09	5.81E-10	8.03E-11	6.61E-10	3.12E-09	3.72E-10	3.50E-09	3.22E-10	2.72E-11	3.49E-10
3204	437274	3724956	2.94E-09	6.39E-10	3.58E-09	5.81E-10	8.03E-11	6.62E-10	3.13E-09	3.73E-10	3.50E-09	3.22E-10	2.72E-11	3.49E-10
3205	437290.6	3724901	2.52E-09	5.47E-10	3.06E-09	4.97E-10	6.86E-11	5.65E-10	2.67E-09	3.19E-10	2.99E-09	2.75E-10	2.33E-11	2.98E-10
3206	437283.3	3724908	2.55E-09	5.54E-10	3.10E-09	5.03E-10	6.95E-11	5.73E-10	2.71E-09	3.23E-10	3.03E-09	2.79E-10	2.36E-11	3.02E-10
3207	437276	3724914	2.57E-09	5.59E-10	3.13E-09	5.08E-10	7.02E-11	5.79E-10	2.73E-09	3.26E-10	3.06E-09	2.82E-10	2.38E-11	3.05E-10
3208	437268.6	3724921	2.59E-09	5.63E-10	3.16E-09	5.12E-10	7.08E-11	5.83E-10	2.75E-09	3.28E-10	3.08E-09	2.84E-10	2.40E-11	3.08E-10
3209	437261.3	3724927	2.60E-09	5.65E-10	3.17E-09	5.14E-10	7.09E-11	5.85E-10	2.76E-09	3.29E-10	3.09E-09	2.84E-10	2.41E-11	3.09E-10
3210	437253.9	3724934	2.59E-09	5.63E-10	3.15E-09	5.12E-10	7.07E-11	5.82E-10	2.75E-09	3.28E-10	3.08E-09	2.83E-10	2.40E-11	3.07E-10
3211	437270.5	3724879	2.25E-09	4.89E-10	2.74E-09	4.45E-10	6.14E-11	5.06E-10	2.39E-09	2.85E-10	2.68E-09	2.46E-10	2.08E-11	2.67E-10
3212	437263.2	3724885	2.28E-09	4.95E-10	2.77E-09	4.50E-10	6.22E-11	5.12E-10	2.42E-09	2.89E-10	2.71E-09	2.49E-10	2.11E-11	2.70E-10
3213	437255.9	3724892	2.30E-09	5.00E-10	2.80E-09	4.54E-10	6.28E-11	5.17E-10	2.44E-09	2.91E-10	2.74E-09	2.52E-10	2.13E-11	2.73E-10
3214	437248.5	3724899	2.32E-09	5.04E-10	2.82E-09	4.58E-10	6.33E-11	5.21E-10	2.46E-09	2.94E-10	2.76E-09	2.54E-10	2.14E-11	2.75E-10
3215	437241.2	3724905	2.32E-09	5.04E-10	2.83E-09	4.59E-10	6.33E-11	5.22E-10	2.47E-09	2.94E-10	2.76E-09	2.54E-10	2.15E-11	2.75E-10
3216	437233.8	3724912	2.32E-09	5.03E-10	2.82E-09	4.58E-10	6.32E-11	5.21E-10	2.46E-09	2.93E-10	2.75E-09	2.53E-10	2.14E-11	2.75E-10
3217	437250.4	3724856	2.03E-09	4.41E-10	2.47E-09	4.01E-10	5.54E-11	4.56E-10	2.16E-09	2.57E-10	2.41E-09	2.22E-10	1.88E-11	2.41E-10
3218	437243.1	3724863	2.05E-09	4.46E-10	2.50E-09	4.06E-10	5.61E-11	4.62E-10	2.18E-09	2.60E-10	2.44E-09	2.25E-10	1.90E-11	2.44E-10
3219	437235.8	3724870	2.07E-09	4.51E-10	2.53E-09	4.10E-10	5.66E-11	4.66E-10	2.20E-09	2.63E-10	2.47E-09	2.27E-10	1.92E-11	2.46E-10
3220	437228.4	3724876	2.09E-09	4.54E-10	2.54E-09	4.13E-10	5.70E-11	4.70E-10	2.22E-09	2.65E-10	2.48E-09	2.29E-10	1.93E-11	2.48E-10
3221	437221.1	3724883	2.10E-09	4.56E-10	2.55E-09	4.14E-10	5.72E-11	4.71E-10	2.23E-09	2.66E-10	2.49E-09	2.29E-10	1.94E-11	2.49E-10
3222	437213.7	3724890	2.10E-09	4.57E-10	2.56E-09	4.15E-10	5.74E-11	4.73E-10	2.23E-09	2.66E-10	2.50E-09	2.30E-10	1.95E-11	2.50E-10
3223	437230.4	3724834	1.84E-09	4.01E-10	2.24E-09	3.64E-10	5.03E-11	4.15E-10	1.96E-09	2.33E-10	2.19E-09	2.02E-10	1.71E-11	2.19E-10
3224	437223	3724841	1.87E-09	4.05E-10	2.27E-09	3.68E-10	5.09E-11	4.19E-10	1.98E-09	2.36E-10	2.22E-09	2.04E-10	1.73E-11	2.21E-10
3225	437215.7	3724847	1.88E-09	4.09E-10	2.29E-09	3.72E-10	5.14E-11	4.24E-10	2.00E-09	2.39E-10	2.24E-09	2.06E-10	1.74E-11	2.24E-10
3226	437208.3	3724854	1.90E-09	4.13E-10	2.31E-09	3.75E-10	5.18E-11	4.27E-10	2.02E-09	2.40E-10	2.26E-09	2.08E-10	1.76E-11	2.25E-10
3227	437201	3724861	1.91E-09	4.14E-10	2.32E-09	3.77E-10	5.20E-11	4.29E-10	2.03E-09	2.41E-10	2.27E-09	2.09E-10	1.76E-11	2.26E-10
3228	437193.6	3724867	1.93E-09	4.18E-10	2.34E-09	3.80E-10	5.25E-11	4.33E-10	2.04E-09	2.44E-10	2.29E-09	2.11E-10	1.78E-11	2.28E-10
3229	437210.3	3724812	1.69E-09	3.66E-10	2.05E-09	3.33E-10	4.60E-11	3.79E-10	1.79E-09	2.13E-10	2.00E-09	1.84E-10	1.56E-11	2.00E-10
3230	437202.9	3724819	1.70E-09	3.70E-10	2.07E-09	3.37E-10	4.65E-11	3.83E-10	1.81E-09	2.16E-10	2.03E-09	1.86E-10	1.58E-11	2.02E-10
3231	437195.6	3724825	1.72E-09	3.74E-10	2.10E-09	3.40E-10	4.70E-11	3.87E-10	1.83E-09	2.18E-10	2.05E-09	1.88E-10	1.59E-11	2.04E-10
3232	437188.2	3724832	1.74E-09	3.77E-10	2.11E-09	3.43E-10	4.74E-11	3.90E-10	1.85E-09	2.20E-10	2.07E-09	1.90E-10	1.61E-11	2.06E-10
3233	437180.9	3724838	1.75E-09	3.80E-10	2.13E-09	3.46E-10	4.78E-11	3.94E-10	1.86E-09	2.22E-10	2.08E-09	1.92E-10	1.62E-11	2.08E-10
3234	437173.5	3724845	1.76E-09	3.83E-10	2.15E-09	3.48E-10	4.81E-11	3.96E-10	1.87E-09	2.23E-10	2.09E-09	1.93E-10	1.63E-11	2.09E-10
3235	437197.5	3724783	1.53E-09	3.32E-10	1.86E-09	3.02E-10	4.17E-11	3.44E-10	1.62E-09	1.94E-10	1.82E-09	1.67E-10	1.41E-11	1.81E-10
3236	437190.2	3724790	1.55E-09	3.37E-10	1.89E-09	3.06E-10	4.23E-11	3.48E-10	1.65E-09	1.96E-10	1.84E-09	1.69E-10	1.43E-11	1.84E-10
3237	437182.8	3724796	1.57E-09	3.40E-10	1.91E-09	3.09E-10	4.28E-11	3.52E-10	1.66E-09	1.98E-10	1.86E-09	1.71E-10	1.45E-11	1.86E-10
3238	437175.5	3724803	1.58E-09	3.44E-10	1.93E-09	3.13E-10	4.32E-11	3.56E-10	1.68E-09	2.00E-10	1.88E-09	1.73E-10	1.46E-11	1.88E-10
3239	437168.1	3724809	1.60E-09	3.47E-10	1.94E-09	3.15E-10	4.36E-11	3.59E-10	1.70E-09	2.02E-10	1.90E-09	1.75E-10	1.48E-11	1.89E-10
3240	437160.8	3724816	1.61E-09	3.50E-10	1.96E-09	3.18E-10	4.39E-11	3.62E-10	1.71E-09	2.04E-10	1.91E-09	1.76E-10	1.49E-11	1.91E-10
3241	437153.4	3724823	1.62E-09	3.52E-10	1.97E-09	3.20E-10	4.42E-11	3.64E-10	1.72E-09	2.05E-10	1.93E-09	1.77E-10	1.50E-11	1.92E-10
3242	437177.4	3724761	1.41E-09	3.07E-10	1.72E-09	2.79E-10	3.86E-11	3.18E-10	1.50E-09	1.79E-10	1.68E-09	1.55E-10	1.31E-11	1.68E-10
3243	437170.1	3724767	1.43E-09	3.11E-10	1.74E-09	2.83E-10	3.91E-11	3.22E-10	1.52E-09	1.81E-10	1.70E-09	1.57E-10	1.32E-11	1.70E-10
3244	437162.7	3724774	1.45E-09	3.14E-10	1.76E-09	2.86E-10	3.95E-11	3.25E-10	1.54E-09	1.83E-10	1.72E-09	1.58E-10	1.34E-11	1.72E-10
3245	437155.4	3724781	1.46E-09	3.18E-10	1.78E-09	2.89E-10	3.99E-11	3.29E-10	1.55E-09	1.85E-10	1.74E-09	1.60E-10	1.35E-11	1.73E-10
3246	437148	3724787	1.48E-09	3.20E-10	1.80E-09	2.91E-10	4.02E-11	3.32E-10	1.57E-09	1.87E-10	1.75E-09	1.61E-10	1.36E-11	1.75E-10
3247	437140.7	3724794	1.49E-09	3.23E-10	1.81E-09	2.93E-10	4.05E-11	3.34E-10	1.58E-09	1.88E-10	1.77E-09	1.63E-10	1.37E-11	1.76E-10
3248	437133.3	3724800	1.49E-09	3.25E-10	1.82E-09	2.95E-10	4.08E-11	3.36E-10	1.59E-09	1.89E-10	1.78E-09	1.64E-10	1.38E-11	1.77E-10
3249	437150.6	3724731	1.28E-09	2.79E-10	1.56E-09	2.53E-10	3.50E-11	2.88E-10	1.36E-09	1.62E-10	1.52E-09	1.40E-10	1.19E-11	1.52E-10
3250	437143.3	3724738	1.30E-09	2.82E-10	1.58E-09	2.56E-10	3.54E-11	2.92E-10	1.38E-09	1.64E-10	1.54E-09	1.42E-10	1.20E-11	1.54E-10
3251	437135.9	3724744	1.31E-09	2.85E-10	1.60E-09	2.59E-10	3.58E-11	2.95E-10	1.39E-09	1.66E-10	1.56E-09	1.43E-10	1.21E-11	1.56E-10
3252	437128.6	3724751	1.32E-09	2.88E-10	1.61E-09	2.61E-10	3.61E-11	2.98E-10	1.41E-09	1.68E-10	1.57E-09	1.45E-10	1.22E-11	1.57E-10
3253	437121.2	3724758	1.33E-09	2.90E-10	1.62E-09	2.64E-10	3.64E-11	3.00E-10	1.42E-09	1.69E-10	1.59E-09	1.46E-10	1.23E-11	1.58E-10
3254	437113.9	3724764	1.34E-09	2.92E-10	1.64E-09	2.66E-10	3.67E-11	3.02E-10	1.43E-09	1.70E-10	1.60E-09	1.47E-10	1.24E-11	1.60E-10
3255	437106.6	3724771	1.35E-09	2.94E-10	1.65E-09	2.67E-10	3.69E-11	3.04E-10	1.44E-09	1.71E-10	1.61E-09	1.48E-10	1.25E-11	1.60E-10
3256	437123.8	3724701	1.17E-09	2.54E-10	1.42E-09	2.31E-10	3.19E-11	2.63E-10	1.24E-09	1.48E-10	1.39E-09	1.28E-10	1.08E-11	1.39E-10
3257	437116.5	3724708	1.18E-09	2.57E-10	1.44E-09	2.34E-10	3.23E-11	2.66E-10	1.26E-09	1.50E-10	1.41E-09	1.29E-10	1.09E-11	1.40E-10
3258	437109.1	3724715	1.19E-09	2.59E-10	1.45E-09	2.36E-10	3.26E-11	2.68E-10	1.27E-09	1.51E-10	1.42E-09	1.31E-10	1.10E-11	1.42E-10
3259	437101.8	3724721	1.21E-09	2.62E-10	1.47E-09	2.38E-10	3.29E-11	2.71E-10	1.28E-09	1.53E-10	1.43E-09	1.32E-10	1.12E-11	1.43E-10
3260	437094.4	3724728	1.22E-09	2.64E-10	1.48E-09	2.40E-10	3.32E-11	2.74E-10	1.29E-09	1.54E-10	1.45E-09	1.33E-10	1.13E-11	1.44E-10
3261	437087.1	3724734	1.23E-09	2.66E-10	1.49E-09	2.42E-10	3.35E-11	2.76E-10	1.30E-09	1.55E-10	1.46E-09	1.34E-10	1.13E-11	1.45E-10
3262	437079.8	3724741	1.24E-09	2.68E-10	1.50E-09	2.44E-10	3.37E-11	2.78E-10	1.31E-09	1.56E-10	1.47E-09	1.35E-10	1.14E-11	1.47E-10
3263	437097	3724672	1.07E-09	2.34E-10	1.31E-09	2.12E-10	2.93E-11	2.42E-10	1.14E-09	1.36E-10	1.28E-09	1.18E-10	9.94E-12	1.28E-10
3264	437089.7	3724678	1.09E-09	2.36E-10	1.32E-09	2.15E-10	2.97E-11	2.44E-10	1.15E-09	1.38E-10	1.29E-09	1.19E-10	1.01E-11	1.29E-10

3265	437082.3	3724685	1.10E-09	2.39E-10	1.34E-09	2.17E-10	3.00E-11	2.47E-10	1.17E-09	1.39E-10	1.31E-09	1.20E-10	1.02E-11	1.30E-10
3266	437075	3724691	1.11E-09	2.41E-10	1.35E-09	2.19E-10	3.02E-11	2.49E-10	1.18E-09	1.40E-10	1.32E-09	1.21E-10	1.03E-11	1.31E-10
3267	437067.7	3724698	1.12E-09	2.43E-10	1.36E-09	2.21E-10	3.05E-11	2.51E-10	1.19E-09	1.42E-10	1.33E-09	1.22E-10	1.03E-11	1.33E-10
3268	437060.3	3724705	1.13E-09	2.45E-10	1.37E-09	2.23E-10	3.08E-11	2.53E-10	1.20E-09	1.43E-10	1.34E-09	1.23E-10	1.04E-11	1.34E-10
3269	437053	3724711	1.14E-09	2.47E-10	1.38E-09	2.24E-10	3.10E-11	2.55E-10	1.21E-09	1.44E-10	1.35E-09	1.24E-10	1.05E-11	1.35E-10
3270	437070.2	3724642	9.95E-10	2.16E-10	1.21E-09	1.96E-10	2.71E-11	2.24E-10	1.06E-09	1.26E-10	1.18E-09	1.09E-10	9.20E-12	1.18E-10
3271	437062.9	3724649	1.01E-09	2.18E-10	1.22E-09	1.99E-10	2.74E-11	2.26E-10	1.07E-09	1.27E-10	1.20E-09	1.10E-10	9.30E-12	1.19E-10
3272	437055.5	3724655	1.02E-09	2.21E-10	1.24E-09	2.01E-10	2.77E-11	2.28E-10	1.08E-09	1.29E-10	1.21E-09	1.11E-10	9.40E-12	1.21E-10
3273	437048.2	3724662	1.03E-09	2.23E-10	1.25E-09	2.03E-10	2.80E-11	2.30E-10	1.09E-09	1.30E-10	1.22E-09	1.12E-10	9.48E-12	1.22E-10
3274	437040.9	3724668	1.03E-09	2.25E-10	1.26E-09	2.04E-10	2.82E-11	2.32E-10	1.10E-09	1.31E-10	1.23E-09	1.13E-10	9.56E-12	1.23E-10
3275	437033.5	3724675	1.04E-09	2.26E-10	1.27E-09	2.06E-10	2.84E-11	2.34E-10	1.11E-09	1.32E-10	1.24E-09	1.14E-10	9.64E-12	1.24E-10
3276	437026.2	3724682	1.05E-09	2.28E-10	1.28E-09	2.07E-10	2.86E-11	2.36E-10	1.12E-09	1.33E-10	1.25E-09	1.15E-10	9.71E-12	1.25E-10
3277	437043.4	3724612	9.24E-10	2.01E-10	1.12E-09	1.83E-10	2.52E-11	2.08E-10	9.82E-10	1.17E-10	1.10E-09	1.01E-10	8.55E-12	1.10E-10
3278	437036.1	3724619	9.34E-10	2.03E-10	1.14E-09	1.85E-10	2.55E-11	2.10E-10	9.92E-10	1.18E-10	1.11E-09	1.02E-10	8.64E-12	1.11E-10
3279	437028.8	3724625	9.44E-10	2.05E-10	1.15E-09	1.86E-10	2.57E-11	2.12E-10	1.00E-09	1.19E-10	1.12E-09	1.03E-10	8.73E-12	1.12E-10
3280	437021.4	3724632	9.52E-10	2.07E-10	1.16E-09	1.88E-10	2.60E-11	2.14E-10	1.01E-09	1.21E-10	1.13E-09	1.04E-10	8.81E-12	1.13E-10
3281	437014.1	3724639	9.60E-10	2.09E-10	1.17E-09	1.90E-10	2.62E-11	2.16E-10	1.02E-09	1.22E-10	1.14E-09	1.05E-10	8.88E-12	1.14E-10
3282	437016.6	3724583	8.62E-10	1.87E-10	1.05E-09	1.70E-10	2.35E-11	1.94E-10	9.16E-10	1.09E-10	1.02E-09	9.43E-11	7.97E-12	1.02E-10
3283	437009.3	3724589	8.71E-10	1.89E-10	1.06E-09	1.72E-10	2.38E-11	1.96E-10	9.26E-10	1.10E-10	1.04E-09	9.53E-11	8.06E-12	1.03E-10
3284	437002	3724596	8.80E-10	1.91E-10	1.07E-09	1.74E-10	2.40E-11	1.98E-10	9.34E-10	1.11E-10	1.05E-09	9.62E-11	8.13E-12	1.04E-10
3285	436994.6	3724602	8.87E-10	1.93E-10	1.08E-09	1.75E-10	2.42E-11	1.99E-10	9.42E-10	1.12E-10	1.05E-09	9.70E-11	8.20E-12	1.05E-10
3286	436987.3	3724609	8.95E-10	1.94E-10	1.09E-09	1.77E-10	2.44E-11	2.01E-10	9.50E-10	1.13E-10	1.06E-09	9.79E-11	8.27E-12	1.06E-10
3287	436979.9	3724616	9.01E-10	1.96E-10	1.10E-09	1.78E-10	2.46E-11	2.03E-10	9.57E-10	1.14E-10	1.07E-09	9.86E-11	8.33E-12	1.07E-10
3288	436972.6	3724622	9.07E-10	1.97E-10	1.10E-09	1.79E-10	2.47E-11	2.04E-10	9.63E-10	1.15E-10	1.08E-09	9.92E-11	8.38E-12	1.08E-10
3289	436989.9	3724553	8.09E-10	1.76E-10	9.84E-10	1.60E-10	2.21E-11	1.82E-10	8.59E-10	1.02E-10	9.61E-10	8.85E-11	7.48E-12	9.59E-11
3290	436982.5	3724559	8.17E-10	1.77E-10	9.94E-10	1.61E-10	2.23E-11	1.84E-10	8.68E-10	1.03E-10	9.71E-10	8.93E-11	7.55E-12	9.69E-11
3291	436975.2	3724566	8.24E-10	1.79E-10	1.00E-09	1.63E-10	2.25E-11	1.85E-10	8.76E-10	1.04E-10	9.80E-10	9.02E-11	7.62E-12	9.78E-11
3292	436967.8	3724573	8.31E-10	1.80E-10	1.01E-09	1.64E-10	2.27E-11	1.87E-10	8.82E-10	1.05E-10	9.87E-10	9.09E-11	7.68E-12	9.85E-11
3293	436960.5	3724579	8.37E-10	1.82E-10	1.02E-09	1.65E-10	2.28E-11	1.88E-10	8.89E-10	1.06E-10	9.95E-10	9.15E-11	7.74E-12	9.93E-11
3294	436953.1	3724586	8.43E-10	1.83E-10	1.03E-09	1.67E-10	2.30E-11	1.90E-10	8.96E-10	1.07E-10	1.00E-09	9.22E-11	7.80E-12	1.00E-10
3295	436945.8	3724593	8.48E-10	1.84E-10	1.03E-09	1.68E-10	2.31E-11	1.91E-10	9.01E-10	1.07E-10	1.01E-09	9.28E-11	7.84E-12	1.01E-10
3296	436963.1	3724523	7.65E-10	1.66E-10	9.31E-10	1.51E-10	2.09E-11	1.72E-10	8.12E-10	9.68E-11	9.09E-10	8.36E-11	7.07E-12	9.07E-11
3297	436955.7	3724530	7.71E-10	1.68E-10	9.39E-10	1.52E-10	2.11E-11	1.73E-10	8.19E-10	9.77E-11	9.17E-10	8.44E-11	7.14E-12	9.15E-11
3298	436948.4	3724536	7.78E-10	1.69E-10	9.48E-10	1.54E-10	2.12E-11	1.75E-10	8.27E-10	9.86E-11	9.25E-10	8.52E-11	7.20E-12	9.24E-11
3299	436941	3724543	7.85E-10	1.70E-10	9.55E-10	1.55E-10	2.14E-11	1.76E-10	8.33E-10	9.94E-11	9.33E-10	8.58E-11	7.26E-12	9.31E-11
3300	436933.7	3724550	7.90E-10	1.72E-10	9.62E-10	1.56E-10	2.16E-11	1.78E-10	8.40E-10	1.00E-10	9.40E-10	8.65E-11	7.31E-12	9.38E-11
3301	436936.3	3724493	7.22E-10	1.57E-10	8.79E-10	1.43E-10	1.97E-11	1.62E-10	7.67E-10	9.15E-11	8.59E-10	7.90E-11	6.68E-12	8.57E-11
3302	436928.9	3724500	7.29E-10	1.58E-10	8.88E-10	1.44E-10	1.99E-11	1.64E-10	7.75E-10	9.24E-11	8.67E-10	7.98E-11	6.75E-12	8.65E-11
3303	436921.6	3724507	7.36E-10	1.60E-10	8.96E-10	1.45E-10	2.01E-11	1.66E-10	7.82E-10	9.32E-11	8.75E-10	8.05E-11	6.81E-12	8.74E-11
3304	436909.5	3724464	6.84E-10	1.49E-10	8.32E-10	1.35E-10	1.87E-11	1.54E-10	7.26E-10	8.66E-11	8.13E-10	7.48E-11	6.32E-12	8.11E-11
3305	436902.1	3724470	6.90E-10	1.50E-10	8.40E-10	1.36E-10	1.88E-11	1.55E-10	7.33E-10	8.73E-11	8.20E-10	7.55E-11	6.38E-12	8.18E-11

			T2		T2L3		T3		T4f	
			1029	437662.98						
			4.45E-02	9.67E-03	8.79E-03	1.21E-03	4.73E-02	5.64E-03	4.87E-03	4.12E-04
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	437487.6	3725277	3.15E-03	6.84E-04	6.22E-04	8.60E-05	3.35E-03	3.99E-04	3.45E-04	2.91E-05
2	437484.5	3725269	2.94E-03	6.39E-04	5.81E-04	8.02E-05	3.12E-03	3.72E-04	3.22E-04	2.72E-05
3	437503.2	3725300	4.27E-03	9.28E-04	8.44E-04	1.17E-04	4.54E-03	5.41E-04	4.67E-04	3.95E-05
4	437480.2	3725284	2.83E-03	6.14E-04	5.59E-04	7.72E-05	3.00E-03	3.58E-04	3.09E-04	2.62E-05
5	437474.3	3725267	2.50E-03	5.44E-04	4.95E-04	6.83E-05	2.66E-03	3.17E-04	2.74E-04	2.32E-05
6	437483.2	3725293	2.99E-03	6.50E-04	5.91E-04	8.17E-05	3.18E-03	3.79E-04	3.27E-04	2.77E-05
7	437495.8	3725307	3.72E-03	8.09E-04	7.35E-04	1.02E-04	3.95E-03	4.71E-04	4.07E-04	3.44E-05
8	437472.8	3725291	2.55E-03	5.54E-04	5.03E-04	6.95E-05	2.71E-03	3.23E-04	2.79E-04	2.36E-05
9	437467	3725275	2.29E-03	4.98E-04	4.53E-04	6.26E-05	2.44E-03	2.90E-04	2.51E-04	2.12E-05
10	437465.4	3725298	2.32E-03	5.03E-04	4.58E-04	6.32E-05	2.46E-03	2.93E-04	2.53E-04	2.14E-05
11	437459.7	3725282	2.11E-03	4.58E-04	4.17E-04	5.76E-05	2.24E-03	2.67E-04	2.31E-04	1.95E-05
12	437454	3725266	1.90E-03	4.14E-04	3.76E-04	5.19E-05	2.02E-03	2.41E-04	2.08E-04	1.76E-05
13	437474.6	3725313	2.66E-03	5.77E-04	5.25E-04	7.25E-05	2.82E-03	3.36E-04	2.91E-04	2.46E-05
14	437458	3725305	2.11E-03	4.58E-04	4.17E-04	5.76E-05	2.24E-03	2.67E-04	2.31E-04	1.95E-05
15	437452.4	3725289	1.94E-03	4.21E-04	3.82E-04	5.28E-05	2.06E-03	2.45E-04	2.12E-04	1.79E-05
16	437446.7	3725273	1.77E-03	3.84E-04	3.49E-04	4.82E-05	1.88E-03	2.24E-04	1.93E-04	1.63E-05
17	437441	3725257	1.60E-03	3.48E-04	3.16E-04	4.37E-05	1.70E-03	2.03E-04	1.75E-04	1.48E-05
18	437467.2	3725320	2.39E-03	5.20E-04	4.73E-04	6.53E-05	2.54E-03	3.03E-04	2.62E-04	2.21E-05
19	437473.5	3725327	2.61E-03	5.67E-04	5.15E-04	7.12E-05	2.77E-03	3.30E-04	2.85E-04	2.41E-05
20	437442.9	3725317	1.74E-03	3.78E-04	3.44E-04	4.75E-05	1.85E-03	2.20E-04	1.90E-04	1.61E-05
21	437439.9	3725309	1.67E-03	3.64E-04	3.31E-04	4.57E-05	1.78E-03	2.12E-04	1.83E-04	1.55E-05
22	437436.8	3725300	1.60E-03	3.48E-04	3.17E-04	4.37E-05	1.70E-03	2.03E-04	1.75E-04	1.48E-05
23	437433.7	3725292	1.54E-03	3.35E-04	3.04E-04	4.20E-05	1.64E-03	1.95E-04	1.69E-04	1.43E-05
24	437430.7	3725283	1.48E-03	3.21E-04	2.92E-04	4.03E-05	1.57E-03	1.87E-04	1.62E-04	1.37E-05
25	437427.6	3725274	1.42E-03	3.08E-04	2.80E-04	3.86E-05	1.50E-03	1.79E-04	1.55E-04	1.31E-05
26	437424.6	3725266	1.35E-03	2.94E-04	2.67E-04	3.69E-05	1.44E-03	1.71E-04	1.48E-04	1.25E-05
27	437446	3725326	1.81E-03	3.93E-04	3.57E-04	4.93E-05	1.92E-03	2.29E-04	1.98E-04	1.67E-05
28	437452.3	3725333	1.95E-03	4.24E-04	3.86E-04	5.33E-05	2.08E-03	2.47E-04	2.14E-04	1.81E-05
29	437458.6	3725340	2.11E-03	4.59E-04	4.17E-04	5.76E-05	2.24E-03	2.67E-04	2.31E-04	1.95E-05
30	437428.1	3725331	1.44E-03	3.13E-04	2.84E-04	3.93E-05	1.53E-03	1.82E-04	1.57E-04	1.33E-05
31	437422.2	3725314	1.35E-03	2.92E-04	2.66E-04	3.67E-05	1.43E-03	1.70E-04	1.47E-04	1.24E-05
32	437419.2	3725306	1.30E-03	2.82E-04	2.57E-04	3.55E-05	1.38E-03	1.65E-04	1.42E-04	1.20E-05
33	437431.1	3725339	1.49E-03	3.23E-04	2.94E-04	4.06E-05	1.58E-03	1.88E-04	1.63E-04	1.37E-05
34	437437.4	3725347	1.61E-03	3.50E-04	3.18E-04	4.39E-05	1.71E-03	2.04E-04	1.76E-04	1.49E-05
35	437443.7	3725354	1.73E-03	3.77E-04	3.42E-04	4.73E-05	1.84E-03	2.20E-04	1.90E-04	1.60E-05
36	437413.1	3725344	1.19E-03	2.58E-04	2.35E-04	3.24E-05	1.26E-03	1.51E-04	1.30E-04	1.10E-05
37	437409.9	3725335	1.16E-03	2.52E-04	2.29E-04	3.16E-05	1.23E-03	1.47E-04	1.27E-04	1.07E-05
38	437406.8	3725326	1.13E-03	2.45E-04	2.22E-04	3.07E-05	1.20E-03	1.43E-04	1.23E-04	1.04E-05
39	437416.2	3725353	1.22E-03	2.65E-04	2.41E-04	3.33E-05	1.30E-03	1.55E-04	1.34E-04	1.13E-05
40	437422.5	3725360	1.31E-03	2.85E-04	2.59E-04	3.57E-05	1.39E-03	1.66E-04	1.43E-04	1.21E-05
41	437359.4	3725228	7.06E-04	1.53E-04	1.39E-04	1.93E-05	7.49E-04	8.93E-05	7.72E-05	6.53E-06
42	437363.4	3725220	7.18E-04	1.56E-04	1.42E-04	1.96E-05	7.63E-04	9.09E-05	7.85E-05	6.64E-06
43	437410.7	3725121	7.42E-04	1.61E-04	1.47E-04	2.03E-05	7.89E-04	9.40E-05	8.12E-05	6.87E-06
44	437339.4	3725227	5.97E-04	1.30E-04	1.18E-04	1.63E-05	6.34E-04	7.55E-05	6.53E-05	5.52E-06
45	437347.1	3725211	6.18E-04	1.34E-04	1.22E-04	1.69E-05	6.56E-04	7.82E-05	6.76E-05	5.72E-06
46	437354.9	3725195	6.32E-04	1.37E-04	1.25E-04	1.72E-05	6.71E-04	8.00E-05	6.91E-05	5.84E-06
47	437397.4	3725106	6.42E-04	1.40E-04	1.27E-04	1.75E-05	6.82E-04	8.13E-05	7.03E-05	5.94E-06
48	437340.4	3725305	6.04E-04	1.31E-04	1.19E-04	1.65E-05	6.42E-04	7.65E-05	6.61E-05	5.59E-06
49	437337.3	3725296	5.94E-04	1.29E-04	1.17E-04	1.62E-05	6.31E-04	7.52E-05	6.50E-05	5.49E-06
50	437334.2	3725287	5.81E-04	1.26E-04	1.15E-04	1.59E-05	6.17E-04	7.36E-05	6.36E-05	5.37E-06
51	437331.1	3725278	5.68E-04	1.24E-04	1.12E-04	1.55E-05	6.04E-04	7.20E-05	6.22E-05	5.26E-06
52	437319.6	3725226	5.09E-04	1.11E-04	1.00E-04	1.39E-05	5.40E-04	6.44E-05	5.57E-05	4.71E-06

53	437323.6	3725218	5.18E-04	1.13E-04	1.02E-04	1.41E-05	5.50E-04	6.56E-05	5.67E-05	4.79E-06
54	437327.6	3725209	5.27E-04	1.15E-04	1.04E-04	1.44E-05	5.60E-04	6.68E-05	5.77E-05	4.88E-06
55	437331.6	3725201	5.35E-04	1.16E-04	1.06E-04	1.46E-05	5.68E-04	6.77E-05	5.85E-05	4.94E-06
56	437335.7	3725192	5.40E-04	1.17E-04	1.07E-04	1.47E-05	5.74E-04	6.84E-05	5.91E-05	5.00E-06
57	437339.7	3725184	5.45E-04	1.18E-04	1.08E-04	1.49E-05	5.79E-04	6.90E-05	5.97E-05	5.04E-06
58	437338.3	3725354	5.74E-04	1.25E-04	1.13E-04	1.57E-05	6.09E-04	7.26E-05	6.28E-05	5.31E-06
59	437335.3	3725346	5.63E-04	1.22E-04	1.11E-04	1.54E-05	5.98E-04	7.13E-05	6.16E-05	5.21E-06
60	437332.2	3725337	5.52E-04	1.20E-04	1.09E-04	1.51E-05	5.87E-04	6.99E-05	6.04E-05	5.11E-06
61	437329.2	3725328	5.41E-04	1.18E-04	1.07E-04	1.48E-05	5.74E-04	6.85E-05	5.92E-05	5.00E-06
62	437326.1	3725320	5.32E-04	1.16E-04	1.05E-04	1.45E-05	5.65E-04	6.74E-05	5.82E-05	4.92E-06
63	437323.1	3725311	5.24E-04	1.14E-04	1.04E-04	1.43E-05	5.57E-04	6.64E-05	5.74E-05	4.85E-06
64	437320	3725303	5.17E-04	1.12E-04	1.02E-04	1.41E-05	5.49E-04	6.54E-05	5.65E-05	4.78E-06
65	437317	3725294	5.09E-04	1.11E-04	1.00E-04	1.39E-05	5.40E-04	6.44E-05	5.56E-05	4.70E-06
66	437313.9	3725285	4.99E-04	1.08E-04	9.86E-05	1.36E-05	5.30E-04	6.32E-05	5.46E-05	4.62E-06
67	437310.9	3725277	4.90E-04	1.07E-04	9.68E-05	1.34E-05	5.21E-04	6.21E-05	5.36E-05	4.54E-06
68	437299.5	3725225	4.43E-04	9.62E-05	8.75E-05	1.21E-05	4.70E-04	5.61E-05	4.84E-05	4.10E-06
69	437303.5	3725217	4.50E-04	9.79E-05	8.90E-05	1.23E-05	4.78E-04	5.70E-05	4.93E-05	4.17E-06
70	437307.4	3725208	4.58E-04	9.94E-05	9.04E-05	1.25E-05	4.86E-04	5.79E-05	5.01E-05	4.23E-06
71	437311.4	3725200	4.63E-04	1.01E-04	9.14E-05	1.26E-05	4.92E-04	5.86E-05	5.06E-05	4.28E-06
72	437315.3	3725192	4.68E-04	1.02E-04	9.24E-05	1.28E-05	4.97E-04	5.92E-05	5.12E-05	4.33E-06
73	437319.3	3725184	4.73E-04	1.03E-04	9.33E-05	1.29E-05	5.02E-04	5.98E-05	5.17E-05	4.37E-06
74	437346.9	3725126	5.19E-04	1.13E-04	1.02E-04	1.41E-05	5.51E-04	6.57E-05	5.67E-05	4.80E-06
75	437350.8	3725117	5.18E-04	1.13E-04	1.02E-04	1.41E-05	5.51E-04	6.56E-05	5.67E-05	4.79E-06
76	437354.8	3725109	5.17E-04	1.12E-04	1.02E-04	1.41E-05	5.49E-04	6.55E-05	5.65E-05	4.78E-06
77	437358.7	3725101	5.14E-04	1.12E-04	1.01E-04	1.40E-05	5.46E-04	6.50E-05	5.62E-05	4.75E-06
78	437320.7	3725360	5.07E-04	1.10E-04	1.00E-04	1.38E-05	5.38E-04	6.42E-05	5.54E-05	4.69E-06
79	437317.7	3725352	4.96E-04	1.08E-04	9.80E-05	1.35E-05	5.27E-04	6.28E-05	5.43E-05	4.59E-06
80	437314.7	3725343	4.88E-04	1.06E-04	9.64E-05	1.33E-05	5.18E-04	6.18E-05	5.34E-05	4.51E-06
81	437311.7	3725334	4.79E-04	1.04E-04	9.45E-05	1.31E-05	5.08E-04	6.06E-05	5.24E-05	4.43E-06
82	437308.7	3725326	4.68E-04	1.02E-04	9.24E-05	1.28E-05	4.97E-04	5.92E-05	5.12E-05	4.33E-06
83	437305.7	3725317	4.61E-04	1.00E-04	9.11E-05	1.26E-05	4.90E-04	5.84E-05	5.05E-05	4.27E-06
84	437302.7	3725309	4.54E-04	9.87E-05	8.98E-05	1.24E-05	4.83E-04	5.75E-05	4.97E-05	4.20E-06
85	437299.7	3725300	4.47E-04	9.71E-05	8.82E-05	1.22E-05	4.75E-04	5.66E-05	4.89E-05	4.13E-06
86	437296.7	3725292	4.39E-04	9.55E-05	8.68E-05	1.20E-05	4.67E-04	5.56E-05	4.81E-05	4.06E-06
87	437293.7	3725283	4.33E-04	9.41E-05	8.56E-05	1.18E-05	4.60E-04	5.49E-05	4.74E-05	4.01E-06
88	437290.7	3725275	4.27E-04	9.29E-05	8.44E-05	1.17E-05	4.54E-04	5.41E-05	4.68E-05	3.95E-06
89	437279.5	3725224	3.90E-04	8.48E-05	7.71E-05	1.06E-05	4.14E-04	4.94E-05	4.27E-05	3.61E-06
90	437287.3	3725208	4.03E-04	8.75E-05	7.96E-05	1.10E-05	4.28E-04	5.10E-05	4.41E-05	3.73E-06
91	437295	3725192	4.11E-04	8.92E-05	8.11E-05	1.12E-05	4.36E-04	5.20E-05	4.49E-05	3.80E-06
92	437298.9	3725183	4.14E-04	9.00E-05	8.18E-05	1.13E-05	4.40E-04	5.25E-05	4.53E-05	3.83E-06
93	437326.1	3725126	4.53E-04	9.84E-05	8.95E-05	1.24E-05	4.81E-04	5.74E-05	4.96E-05	4.19E-06
94	437333.9	3725110	4.62E-04	1.00E-04	9.13E-05	1.26E-05	4.91E-04	5.85E-05	5.06E-05	4.28E-06
95	437337.8	3725102	4.62E-04	1.00E-04	9.12E-05	1.26E-05	4.90E-04	5.84E-05	5.05E-05	4.27E-06
96	437345.6	3725086	4.56E-04	9.92E-05	9.01E-05	1.25E-05	4.85E-04	5.78E-05	4.99E-05	4.22E-06
97	437349.4	3725077	4.52E-04	9.82E-05	8.92E-05	1.23E-05	4.80E-04	5.72E-05	4.94E-05	4.18E-06
98	437299	3725354	4.53E-04	9.83E-05	8.94E-05	1.23E-05	4.81E-04	5.73E-05	4.95E-05	4.19E-06
99	437295.9	3725345	4.41E-04	9.59E-05	8.72E-05	1.20E-05	4.69E-04	5.59E-05	4.83E-05	4.08E-06
100	437292.8	3725337	4.29E-04	9.32E-05	8.48E-05	1.17E-05	4.56E-04	5.43E-05	4.69E-05	3.97E-06
101	437289.7	3725328	4.16E-04	9.04E-05	8.22E-05	1.14E-05	4.42E-04	5.27E-05	4.55E-05	3.85E-06
102	437286.6	3725319	4.10E-04	8.91E-05	8.10E-05	1.12E-05	4.35E-04	5.19E-05	4.48E-05	3.79E-06
103	437283.5	3725310	4.05E-04	8.79E-05	7.99E-05	1.10E-05	4.30E-04	5.12E-05	4.43E-05	3.74E-06
104	437280.4	3725301	3.98E-04	8.66E-05	7.87E-05	1.09E-05	4.23E-04	5.05E-05	4.36E-05	3.69E-06
105	437277.3	3725293	3.92E-04	8.53E-05	7.75E-05	1.07E-05	4.17E-04	4.97E-05	4.29E-05	3.63E-06
106	437274.2	3725284	3.87E-04	8.40E-05	7.64E-05	1.05E-05	4.11E-04	4.90E-05	4.23E-05	3.58E-06
107	437271.1	3725275	3.80E-04	8.25E-05	7.50E-05	1.04E-05	4.03E-04	4.81E-05	4.15E-05	3.51E-06
108	437259.6	3725223	3.48E-04	7.55E-05	6.87E-05	9.48E-06	3.69E-04	4.40E-05	3.80E-05	3.21E-06

109	437263.6	3725214	3.54E-04	7.69E-05	6.99E-05	9.66E-06	3.76E-04	4.48E-05	3.87E-05	3.27E-06
110	437267.6	3725206	3.60E-04	7.82E-05	7.11E-05	9.82E-06	3.82E-04	4.56E-05	3.94E-05	3.33E-06
111	437271.7	3725198	3.62E-04	7.86E-05	7.15E-05	9.87E-06	3.84E-04	4.58E-05	3.96E-05	3.35E-06
112	437275.7	3725189	3.64E-04	7.92E-05	7.20E-05	9.94E-06	3.87E-04	4.61E-05	3.99E-05	3.37E-06
113	437279.7	3725181	3.67E-04	7.97E-05	7.25E-05	1.00E-05	3.90E-04	4.65E-05	4.01E-05	3.39E-06
114	437307.7	3725122	4.01E-04	8.72E-05	7.92E-05	1.09E-05	4.26E-04	5.08E-05	4.39E-05	3.71E-06
115	437311.7	3725114	4.06E-04	8.83E-05	8.02E-05	1.11E-05	4.32E-04	5.14E-05	4.44E-05	3.76E-06
116	437315.7	3725105	4.10E-04	8.90E-05	8.09E-05	1.12E-05	4.35E-04	5.19E-05	4.48E-05	3.79E-06
117	437319.7	3725097	4.13E-04	8.96E-05	8.15E-05	1.13E-05	4.38E-04	5.22E-05	4.51E-05	3.82E-06
118	437323.7	3725088	4.13E-04	8.98E-05	8.16E-05	1.13E-05	4.39E-04	5.23E-05	4.52E-05	3.82E-06
119	437327.7	3725080	4.11E-04	8.94E-05	8.13E-05	1.12E-05	4.37E-04	5.21E-05	4.50E-05	3.81E-06
120	437331.7	3725072	4.09E-04	8.88E-05	8.07E-05	1.11E-05	4.34E-04	5.17E-05	4.47E-05	3.78E-06
121	437335.7	3725063	4.04E-04	8.79E-05	7.99E-05	1.10E-05	4.30E-04	5.12E-05	4.42E-05	3.74E-06
122	437339.7	3725055	3.99E-04	8.67E-05	7.88E-05	1.09E-05	4.24E-04	5.05E-05	4.37E-05	3.69E-06
123	437343.7	3725046	3.93E-04	8.53E-05	7.76E-05	1.07E-05	4.17E-04	4.97E-05	4.30E-05	3.63E-06
124	437309	3725438	4.96E-04	1.08E-04	9.80E-05	1.35E-05	5.27E-04	6.28E-05	5.43E-05	4.59E-06
125	437305.9	3725429	4.88E-04	1.06E-04	9.63E-05	1.33E-05	5.18E-04	6.17E-05	5.33E-05	4.51E-06
126	437302.9	3725420	4.79E-04	1.04E-04	9.46E-05	1.31E-05	5.09E-04	6.07E-05	5.24E-05	4.43E-06
127	437299.8	3725412	4.70E-04	1.02E-04	9.28E-05	1.28E-05	4.99E-04	5.95E-05	5.14E-05	4.35E-06
128	437296.7	3725403	4.61E-04	1.00E-04	9.10E-05	1.26E-05	4.89E-04	5.83E-05	5.04E-05	4.26E-06
129	437278.4	3725351	4.09E-04	8.89E-05	8.08E-05	1.12E-05	4.34E-04	5.18E-05	4.47E-05	3.78E-06
130	437275.4	3725343	3.99E-04	8.67E-05	7.88E-05	1.09E-05	4.24E-04	5.05E-05	4.36E-05	3.69E-06
131	437272.3	3725334	3.90E-04	8.47E-05	7.70E-05	1.06E-05	4.14E-04	4.94E-05	4.27E-05	3.61E-06
132	437269.3	3725325	3.82E-04	8.30E-05	7.54E-05	1.04E-05	4.06E-04	4.84E-05	4.18E-05	3.53E-06
133	437266.2	3725317	3.76E-04	8.17E-05	7.43E-05	1.03E-05	3.99E-04	4.76E-05	4.11E-05	3.48E-06
134	437263.2	3725308	3.69E-04	8.03E-05	7.30E-05	1.01E-05	3.92E-04	4.68E-05	4.04E-05	3.42E-06
135	437250.9	3725273	3.40E-04	7.39E-05	6.72E-05	9.29E-06	3.62E-04	4.31E-05	3.72E-05	3.15E-06
136	437239.6	3725222	3.10E-04	6.74E-05	6.13E-05	8.46E-06	3.29E-04	3.93E-05	3.39E-05	2.87E-06
137	437243.6	3725214	3.16E-04	6.86E-05	6.23E-05	8.61E-06	3.35E-04	4.00E-05	3.45E-05	2.92E-06
138	437247.5	3725205	3.21E-04	6.97E-05	6.34E-05	8.75E-06	3.41E-04	4.06E-05	3.51E-05	2.97E-06
139	437251.5	3725197	3.23E-04	7.03E-05	6.39E-05	8.82E-06	3.44E-04	4.10E-05	3.54E-05	2.99E-06
140	437255.4	3725189	3.25E-04	7.07E-05	6.43E-05	8.88E-06	3.46E-04	4.12E-05	3.56E-05	3.01E-06
141	437259.3	3725181	3.27E-04	7.10E-05	6.45E-05	8.91E-06	3.47E-04	4.14E-05	3.57E-05	3.02E-06
142	437263.3	3725172	3.29E-04	7.16E-05	6.51E-05	8.99E-06	3.50E-04	4.17E-05	3.60E-05	3.05E-06
143	437294.8	3725106	3.62E-04	7.87E-05	7.16E-05	9.89E-06	3.85E-04	4.59E-05	3.96E-05	3.35E-06
144	437298.8	3725098	3.65E-04	7.93E-05	7.21E-05	9.96E-06	3.88E-04	4.62E-05	3.99E-05	3.38E-06
145	437302.7	3725089	3.67E-04	7.98E-05	7.25E-05	1.00E-05	3.90E-04	4.65E-05	4.02E-05	3.40E-06
146	437306.7	3725081	3.70E-04	8.03E-05	7.30E-05	1.01E-05	3.93E-04	4.68E-05	4.04E-05	3.42E-06
147	437310.6	3725073	3.72E-04	8.08E-05	7.35E-05	1.02E-05	3.95E-04	4.71E-05	4.07E-05	3.44E-06
148	437314.6	3725065	3.70E-04	8.04E-05	7.31E-05	1.01E-05	3.93E-04	4.68E-05	4.05E-05	3.42E-06
149	437318.5	3725056	3.67E-04	7.98E-05	7.25E-05	1.00E-05	3.90E-04	4.65E-05	4.02E-05	3.40E-06
150	437322.5	3725048	3.63E-04	7.90E-05	7.18E-05	9.92E-06	3.86E-04	4.60E-05	3.98E-05	3.36E-06
151	437326.4	3725040	3.59E-04	7.80E-05	7.09E-05	9.79E-06	3.81E-04	4.54E-05	3.92E-05	3.32E-06
152	437330.4	3725031	3.53E-04	7.68E-05	6.98E-05	9.64E-06	3.75E-04	4.47E-05	3.86E-05	3.27E-06
153	437312	3725446	5.04E-04	1.10E-04	9.96E-05	1.38E-05	5.36E-04	6.39E-05	5.52E-05	4.66E-06
154	437318.3	3725453	5.21E-04	1.13E-04	1.03E-04	1.42E-05	5.53E-04	6.59E-05	5.70E-05	4.82E-06
155	437286.6	3725458	4.34E-04	9.43E-05	8.57E-05	1.18E-05	4.61E-04	5.50E-05	4.75E-05	4.01E-06
156	437283.5	3725449	4.28E-04	9.29E-05	8.45E-05	1.17E-05	4.54E-04	5.41E-05	4.68E-05	3.95E-06
157	437280.4	3725440	4.21E-04	9.15E-05	8.32E-05	1.15E-05	4.48E-04	5.34E-05	4.61E-05	3.90E-06
158	437277.2	3725431	4.15E-04	9.03E-05	8.20E-05	1.13E-05	4.41E-04	5.26E-05	4.54E-05	3.84E-06
159	437274.1	3725422	4.10E-04	8.90E-05	8.09E-05	1.12E-05	4.35E-04	5.19E-05	4.48E-05	3.79E-06
160	437271	3725414	4.04E-04	8.77E-05	7.98E-05	1.10E-05	4.29E-04	5.11E-05	4.42E-05	3.74E-06
161	437267.9	3725405	3.98E-04	8.64E-05	7.85E-05	1.08E-05	4.22E-04	5.03E-05	4.35E-05	3.68E-06
162	437227.5	3725290	3.15E-04	6.83E-05	6.21E-05	8.58E-06	3.34E-04	3.98E-05	3.44E-05	2.91E-06
163	437224.4	3725281	3.07E-04	6.67E-05	6.06E-05	8.37E-06	3.26E-04	3.89E-05	3.36E-05	2.84E-06
164	437221.3	3725273	3.00E-04	6.52E-05	5.92E-05	8.18E-06	3.19E-04	3.80E-05	3.28E-05	2.77E-06

165	437218.2	3725264	2.94E-04	6.38E-05	5.80E-05	8.01E-06	3.12E-04	3.72E-05	3.21E-05	2.72E-06
166	437209.7	3725220	2.72E-04	5.91E-05	5.37E-05	7.42E-06	2.89E-04	3.44E-05	2.98E-05	2.52E-06
167	437213.7	3725212	2.74E-04	5.95E-05	5.41E-05	7.47E-06	2.91E-04	3.47E-05	3.00E-05	2.53E-06
168	437217.8	3725203	2.76E-04	6.00E-05	5.46E-05	7.54E-06	2.93E-04	3.50E-05	3.02E-05	2.55E-06
169	437221.8	3725195	2.79E-04	6.06E-05	5.51E-05	7.61E-06	2.96E-04	3.53E-05	3.05E-05	2.58E-06
170	437225.8	3725186	2.81E-04	6.11E-05	5.56E-05	7.68E-06	2.99E-04	3.56E-05	3.08E-05	2.60E-06
171	437229.8	3725178	2.84E-04	6.16E-05	5.60E-05	7.74E-06	3.01E-04	3.59E-05	3.10E-05	2.62E-06
172	437278	3725077	3.11E-04	6.77E-05	6.15E-05	8.50E-06	3.31E-04	3.94E-05	3.41E-05	2.88E-06
173	437282.1	3725068	3.14E-04	6.81E-05	6.19E-05	8.56E-06	3.33E-04	3.97E-05	3.43E-05	2.90E-06
174	437286.1	3725060	3.15E-04	6.85E-05	6.23E-05	8.60E-06	3.35E-04	3.99E-05	3.45E-05	2.92E-06
175	437290.1	3725052	3.16E-04	6.87E-05	6.25E-05	8.63E-06	3.36E-04	4.01E-05	3.46E-05	2.93E-06
176	437294.1	3725043	3.17E-04	6.89E-05	6.26E-05	8.65E-06	3.37E-04	4.01E-05	3.47E-05	2.93E-06
177	437298.1	3725035	3.16E-04	6.87E-05	6.24E-05	8.62E-06	3.36E-04	4.00E-05	3.46E-05	2.92E-06
178	437302.1	3725026	3.13E-04	6.79E-05	6.18E-05	8.53E-06	3.32E-04	3.96E-05	3.42E-05	2.89E-06
179	437306.2	3725018	3.09E-04	6.71E-05	6.10E-05	8.42E-06	3.28E-04	3.91E-05	3.38E-05	2.86E-06
180	437310.2	3725009	3.04E-04	6.61E-05	6.01E-05	8.30E-06	3.23E-04	3.85E-05	3.33E-05	2.81E-06
181	437289.7	3725466	4.40E-04	9.57E-05	8.70E-05	1.20E-05	4.68E-04	5.58E-05	4.82E-05	4.07E-06
182	437296	3725473	4.54E-04	9.85E-05	8.96E-05	1.24E-05	4.82E-04	5.74E-05	4.96E-05	4.19E-06
183	437302.3	3725480	4.66E-04	1.01E-04	9.20E-05	1.27E-05	4.95E-04	5.90E-05	5.09E-05	4.31E-06
184	437264.3	3725478	3.84E-04	8.34E-05	7.59E-05	1.05E-05	4.08E-04	4.86E-05	4.20E-05	3.55E-06
185	437261.3	3725469	3.79E-04	8.24E-05	7.49E-05	1.03E-05	4.03E-04	4.80E-05	4.15E-05	3.51E-06
186	437258.2	3725461	3.74E-04	8.14E-05	7.40E-05	1.02E-05	3.98E-04	4.74E-05	4.10E-05	3.46E-06
187	437255.2	3725452	3.70E-04	8.03E-05	7.30E-05	1.01E-05	3.93E-04	4.68E-05	4.04E-05	3.42E-06
188	437252.1	3725443	3.65E-04	7.92E-05	7.20E-05	9.95E-06	3.87E-04	4.62E-05	3.99E-05	3.37E-06
189	437249	3725435	3.60E-04	7.81E-05	7.10E-05	9.81E-06	3.82E-04	4.55E-05	3.93E-05	3.33E-06
190	437246	3725426	3.55E-04	7.71E-05	7.01E-05	9.68E-06	3.77E-04	4.49E-05	3.88E-05	3.28E-06
191	437242.9	3725417	3.50E-04	7.60E-05	6.91E-05	9.54E-06	3.71E-04	4.43E-05	3.83E-05	3.23E-06
192	437239.9	3725409	3.45E-04	7.49E-05	6.81E-05	9.40E-06	3.66E-04	4.36E-05	3.77E-05	3.19E-06
193	437236.8	3725400	3.40E-04	7.38E-05	6.71E-05	9.27E-06	3.61E-04	4.30E-05	3.72E-05	3.14E-06
194	437215.5	3725339	3.04E-04	6.61E-05	6.01E-05	8.30E-06	3.23E-04	3.85E-05	3.33E-05	2.81E-06
195	437212.4	3725331	2.99E-04	6.50E-05	5.91E-05	8.17E-06	3.18E-04	3.79E-05	3.28E-05	2.77E-06
196	437209.3	3725322	2.94E-04	6.40E-05	5.82E-05	8.03E-06	3.13E-04	3.73E-05	3.22E-05	2.72E-06
197	437206.3	3725313	2.90E-04	6.29E-05	5.72E-05	7.90E-06	3.08E-04	3.67E-05	3.17E-05	2.68E-06
198	437203.2	3725305	2.85E-04	6.18E-05	5.62E-05	7.77E-06	3.02E-04	3.60E-05	3.11E-05	2.63E-06
199	437200.2	3725296	2.80E-04	6.08E-05	5.53E-05	7.64E-06	2.97E-04	3.54E-05	3.06E-05	2.59E-06
200	437197.1	3725288	2.75E-04	5.98E-05	5.43E-05	7.50E-06	2.92E-04	3.48E-05	3.01E-05	2.54E-06
201	437194.1	3725279	2.70E-04	5.87E-05	5.34E-05	7.37E-06	2.87E-04	3.42E-05	2.96E-05	2.50E-06
202	437191	3725270	2.65E-04	5.77E-05	5.24E-05	7.24E-06	2.82E-04	3.36E-05	2.90E-05	2.46E-06
203	437188	3725262	2.61E-04	5.67E-05	5.15E-05	7.11E-06	2.77E-04	3.30E-05	2.85E-05	2.41E-06
204	437179.7	3725219	2.46E-04	5.34E-05	4.85E-05	6.70E-06	2.61E-04	3.11E-05	2.69E-05	2.27E-06
205	437183.6	3725210	2.47E-04	5.38E-05	4.89E-05	6.75E-06	2.63E-04	3.13E-05	2.71E-05	2.29E-06
206	437187.6	3725202	2.48E-04	5.39E-05	4.90E-05	6.77E-06	2.64E-04	3.14E-05	2.71E-05	2.29E-06
207	437191.5	3725194	2.50E-04	5.43E-05	4.94E-05	6.82E-06	2.66E-04	3.17E-05	2.74E-05	2.31E-06
208	437195.5	3725186	2.52E-04	5.48E-05	4.98E-05	6.88E-06	2.68E-04	3.19E-05	2.76E-05	2.33E-06
209	437199.4	3725177	2.54E-04	5.53E-05	5.02E-05	6.94E-06	2.70E-04	3.22E-05	2.78E-05	2.35E-06
210	437258.6	3725053	2.70E-04	5.86E-05	5.32E-05	7.36E-06	2.86E-04	3.41E-05	2.95E-05	2.49E-06
211	437262.5	3725045	2.71E-04	5.88E-05	5.34E-05	7.38E-06	2.87E-04	3.43E-05	2.96E-05	2.50E-06
212	437266.5	3725037	2.71E-04	5.89E-05	5.36E-05	7.40E-06	2.88E-04	3.43E-05	2.97E-05	2.51E-06
213	437270.4	3725028	2.72E-04	5.90E-05	5.37E-05	7.41E-06	2.89E-04	3.44E-05	2.97E-05	2.51E-06
214	437274.4	3725020	2.71E-04	5.89E-05	5.36E-05	7.40E-06	2.88E-04	3.44E-05	2.97E-05	2.51E-06
215	437278.3	3725012	2.70E-04	5.87E-05	5.34E-05	7.38E-06	2.87E-04	3.42E-05	2.96E-05	2.50E-06
216	437282.3	3725003	2.69E-04	5.84E-05	5.31E-05	7.34E-06	2.86E-04	3.41E-05	2.94E-05	2.49E-06
217	437286.2	3724995	2.67E-04	5.81E-05	5.28E-05	7.29E-06	2.84E-04	3.38E-05	2.92E-05	2.47E-06
218	437290.2	3724987	2.64E-04	5.74E-05	5.22E-05	7.21E-06	2.81E-04	3.35E-05	2.89E-05	2.44E-06
219	437235.7	3725480	3.29E-04	7.15E-05	6.50E-05	8.97E-06	3.49E-04	4.16E-05	3.60E-05	3.04E-06
220	437232.6	3725471	3.25E-04	7.06E-05	6.42E-05	8.87E-06	3.45E-04	4.11E-05	3.56E-05	3.01E-06

221	437229.5	3725463	3.21E-04	6.98E-05	6.34E-05	8.76E-06	3.41E-04	4.07E-05	3.51E-05	2.97E-06
222	437226.4	3725454	3.17E-04	6.89E-05	6.26E-05	8.65E-06	3.37E-04	4.01E-05	3.47E-05	2.93E-06
223	437223.3	3725445	3.13E-04	6.80E-05	6.18E-05	8.54E-06	3.32E-04	3.96E-05	3.42E-05	2.89E-06
224	437220.2	3725436	3.09E-04	6.71E-05	6.10E-05	8.43E-06	3.28E-04	3.91E-05	3.38E-05	2.86E-06
225	437217.1	3725427	3.05E-04	6.62E-05	6.02E-05	8.31E-06	3.24E-04	3.86E-05	3.33E-05	2.82E-06
226	437214	3725419	3.01E-04	6.53E-05	5.94E-05	8.20E-06	3.19E-04	3.81E-05	3.29E-05	2.78E-06
227	437210.9	3725410	2.96E-04	6.44E-05	5.86E-05	8.09E-06	3.15E-04	3.75E-05	3.24E-05	2.74E-06
228	437207.8	3725401	2.92E-04	6.35E-05	5.77E-05	7.98E-06	3.11E-04	3.70E-05	3.20E-05	2.70E-06
229	437189.2	3725348	2.68E-04	5.82E-05	5.29E-05	7.30E-06	2.84E-04	3.39E-05	2.93E-05	2.48E-06
230	437186.1	3725340	2.64E-04	5.73E-05	5.21E-05	7.19E-06	2.80E-04	3.34E-05	2.88E-05	2.44E-06
231	437183	3725331	2.60E-04	5.64E-05	5.13E-05	7.09E-06	2.76E-04	3.29E-05	2.84E-05	2.40E-06
232	437164.4	3725278	2.36E-04	5.13E-05	4.66E-05	6.44E-06	2.51E-04	2.99E-05	2.58E-05	2.18E-06
233	437161.3	3725269	2.32E-04	5.05E-05	4.59E-05	6.34E-06	2.47E-04	2.94E-05	2.54E-05	2.15E-06
234	437158.2	3725261	2.28E-04	4.96E-05	4.51E-05	6.23E-06	2.43E-04	2.89E-05	2.50E-05	2.11E-06
235	437149.8	3725217	2.16E-04	4.70E-05	4.27E-05	5.90E-06	2.30E-04	2.74E-05	2.37E-05	2.00E-06
236	437153.8	3725209	2.19E-04	4.76E-05	4.32E-05	5.97E-06	2.33E-04	2.77E-05	2.40E-05	2.02E-06
237	437157.8	3725200	2.22E-04	4.81E-05	4.38E-05	6.05E-06	2.35E-04	2.81E-05	2.42E-05	2.05E-06
238	437161.8	3725192	2.24E-04	4.87E-05	4.43E-05	6.12E-06	2.38E-04	2.84E-05	2.45E-05	2.07E-06
239	437165.8	3725183	2.27E-04	4.93E-05	4.48E-05	6.19E-06	2.41E-04	2.87E-05	2.48E-05	2.10E-06
240	437169.8	3725175	2.29E-04	4.99E-05	4.53E-05	6.26E-06	2.44E-04	2.91E-05	2.51E-05	2.12E-06
241	437209.9	3725091	2.38E-04	5.17E-05	4.70E-05	6.49E-06	2.53E-04	3.01E-05	2.60E-05	2.20E-06
242	437242	3725024	2.39E-04	5.20E-05	4.73E-05	6.53E-06	2.54E-04	3.03E-05	2.62E-05	2.21E-06
243	437246	3725015	2.38E-04	5.18E-05	4.71E-05	6.51E-06	2.53E-04	3.02E-05	2.61E-05	2.21E-06
244	437250	3725007	2.37E-04	5.16E-05	4.69E-05	6.47E-06	2.52E-04	3.00E-05	2.60E-05	2.19E-06
245	437254	3724998	2.36E-04	5.12E-05	4.66E-05	6.43E-06	2.50E-04	2.99E-05	2.58E-05	2.18E-06
246	437258	3724990	2.34E-04	5.09E-05	4.63E-05	6.39E-06	2.49E-04	2.97E-05	2.56E-05	2.17E-06
247	437262	3724982	2.33E-04	5.06E-05	4.60E-05	6.35E-06	2.47E-04	2.95E-05	2.55E-05	2.15E-06
248	437266	3724973	2.31E-04	5.03E-05	4.57E-05	6.31E-06	2.46E-04	2.93E-05	2.53E-05	2.14E-06
249	437270	3724965	2.30E-04	4.99E-05	4.54E-05	6.27E-06	2.44E-04	2.91E-05	2.51E-05	2.12E-06
250	437203.9	3725473	2.81E-04	6.11E-05	5.55E-05	7.67E-06	2.99E-04	3.56E-05	3.07E-05	2.60E-06
251	437200.7	3725464	2.78E-04	6.03E-05	5.48E-05	7.58E-06	2.95E-04	3.52E-05	3.04E-05	2.57E-06
252	437197.6	3725455	2.74E-04	5.96E-05	5.42E-05	7.49E-06	2.91E-04	3.47E-05	3.00E-05	2.54E-06
253	437194.4	3725446	2.71E-04	5.89E-05	5.35E-05	7.39E-06	2.88E-04	3.43E-05	2.96E-05	2.51E-06
254	437191.3	3725438	2.68E-04	5.81E-05	5.29E-05	7.30E-06	2.84E-04	3.39E-05	2.93E-05	2.48E-06
255	437188.1	3725429	2.64E-04	5.74E-05	5.22E-05	7.21E-06	2.81E-04	3.35E-05	2.89E-05	2.44E-06
256	437185	3725420	2.61E-04	5.67E-05	5.15E-05	7.12E-06	2.77E-04	3.30E-05	2.85E-05	2.41E-06
257	437181.9	3725411	2.57E-04	5.59E-05	5.09E-05	7.02E-06	2.73E-04	3.26E-05	2.82E-05	2.38E-06
258	437178.7	3725402	2.54E-04	5.52E-05	5.02E-05	6.93E-06	2.70E-04	3.22E-05	2.78E-05	2.35E-06
259	437175.6	3725393	2.51E-04	5.45E-05	4.95E-05	6.84E-06	2.66E-04	3.17E-05	2.74E-05	2.32E-06
260	437153.6	3725331	2.27E-04	4.94E-05	4.49E-05	6.20E-06	2.41E-04	2.88E-05	2.49E-05	2.10E-06
261	437150.4	3725322	2.24E-04	4.87E-05	4.43E-05	6.11E-06	2.38E-04	2.84E-05	2.45E-05	2.07E-06
262	437147.3	3725313	2.21E-04	4.80E-05	4.36E-05	6.02E-06	2.35E-04	2.80E-05	2.42E-05	2.04E-06
263	437144.1	3725304	2.18E-04	4.73E-05	4.30E-05	5.94E-06	2.31E-04	2.76E-05	2.38E-05	2.01E-06
264	437141	3725295	2.14E-04	4.66E-05	4.23E-05	5.85E-06	2.28E-04	2.71E-05	2.34E-05	1.98E-06
265	437137.8	3725286	2.11E-04	4.59E-05	4.17E-05	5.76E-06	2.24E-04	2.67E-05	2.31E-05	1.95E-06
266	437134.7	3725277	2.08E-04	4.52E-05	4.11E-05	5.67E-06	2.21E-04	2.63E-05	2.27E-05	1.92E-06
267	437131.6	3725268	2.05E-04	4.45E-05	4.04E-05	5.59E-06	2.18E-04	2.59E-05	2.24E-05	1.89E-06
268	437128.4	3725259	2.02E-04	4.38E-05	3.98E-05	5.50E-06	2.14E-04	2.55E-05	2.21E-05	1.86E-06
269	437119	3725233	1.92E-04	4.18E-05	3.80E-05	5.25E-06	2.04E-04	2.44E-05	2.10E-05	1.78E-06
270	437119.9	3725215	1.92E-04	4.17E-05	3.79E-05	5.23E-06	2.04E-04	2.43E-05	2.10E-05	1.77E-06
271	437124	3725207	1.94E-04	4.22E-05	3.83E-05	5.30E-06	2.06E-04	2.46E-05	2.12E-05	1.80E-06
272	437128	3725198	1.97E-04	4.27E-05	3.88E-05	5.36E-06	2.09E-04	2.49E-05	2.15E-05	1.82E-06
273	437132.1	3725190	1.99E-04	4.32E-05	3.93E-05	5.43E-06	2.11E-04	2.52E-05	2.18E-05	1.84E-06
274	437136.1	3725181	2.01E-04	4.37E-05	3.97E-05	5.49E-06	2.14E-04	2.55E-05	2.20E-05	1.86E-06
275	437164.6	3725122	2.16E-04	4.69E-05	4.26E-05	5.89E-06	2.29E-04	2.73E-05	2.36E-05	2.00E-06
276	437168.6	3725113	2.17E-04	4.73E-05	4.30E-05	5.93E-06	2.31E-04	2.75E-05	2.38E-05	2.01E-06

277	437172.7	3725105	2.19E-04	4.76E-05	4.33E-05	5.98E-06	2.33E-04	2.78E-05	2.40E-05	2.03E-06
278	437176.8	3725096	2.20E-04	4.78E-05	4.34E-05	6.00E-06	2.34E-04	2.78E-05	2.41E-05	2.03E-06
279	437180.8	3725088	2.20E-04	4.79E-05	4.35E-05	6.01E-06	2.34E-04	2.79E-05	2.41E-05	2.04E-06
280	437184.9	3725079	2.20E-04	4.79E-05	4.35E-05	6.01E-06	2.34E-04	2.79E-05	2.41E-05	2.04E-06
281	437188.9	3725070	2.20E-04	4.79E-05	4.35E-05	6.01E-06	2.34E-04	2.79E-05	2.41E-05	2.04E-06
282	437193	3725062	2.20E-04	4.78E-05	4.35E-05	6.00E-06	2.34E-04	2.79E-05	2.41E-05	2.04E-06
283	437225.5	3724994	2.13E-04	4.62E-05	4.20E-05	5.80E-06	2.26E-04	2.69E-05	2.33E-05	1.97E-06
284	437229.6	3724985	2.11E-04	4.57E-05	4.16E-05	5.75E-06	2.24E-04	2.67E-05	2.30E-05	1.95E-06
285	437233.6	3724977	2.09E-04	4.55E-05	4.13E-05	5.71E-06	2.22E-04	2.65E-05	2.29E-05	1.94E-06
286	437237.7	3724968	2.08E-04	4.52E-05	4.11E-05	5.67E-06	2.21E-04	2.63E-05	2.27E-05	1.92E-06
287	437241.7	3724960	2.06E-04	4.48E-05	4.08E-05	5.63E-06	2.19E-04	2.61E-05	2.26E-05	1.91E-06
288	437245.8	3724951	2.05E-04	4.45E-05	4.04E-05	5.58E-06	2.17E-04	2.59E-05	2.24E-05	1.89E-06
289	437249.9	3724943	2.03E-04	4.40E-05	4.00E-05	5.53E-06	2.15E-04	2.57E-05	2.22E-05	1.88E-06
290	437175.6	3725476	2.44E-04	5.30E-05	4.82E-05	6.66E-06	2.59E-04	3.09E-05	2.67E-05	2.26E-06
291	437172.5	3725468	2.42E-04	5.25E-05	4.78E-05	6.60E-06	2.57E-04	3.06E-05	2.65E-05	2.24E-06
292	437169.4	3725459	2.40E-04	5.20E-05	4.73E-05	6.53E-06	2.54E-04	3.03E-05	2.62E-05	2.22E-06
293	437166.3	3725450	2.37E-04	5.15E-05	4.68E-05	6.47E-06	2.52E-04	3.00E-05	2.59E-05	2.19E-06
294	437163.3	3725441	2.35E-04	5.11E-05	4.64E-05	6.41E-06	2.50E-04	2.98E-05	2.57E-05	2.17E-06
295	437160.2	3725433	2.32E-04	5.05E-05	4.59E-05	6.34E-06	2.47E-04	2.94E-05	2.54E-05	2.15E-06
296	437157.1	3725424	2.30E-04	4.99E-05	4.54E-05	6.27E-06	2.44E-04	2.91E-05	2.51E-05	2.12E-06
297	437154	3725415	2.27E-04	4.93E-05	4.48E-05	6.19E-06	2.41E-04	2.87E-05	2.48E-05	2.10E-06
298	437150.9	3725406	2.24E-04	4.87E-05	4.43E-05	6.12E-06	2.38E-04	2.84E-05	2.45E-05	2.07E-06
299	437147.8	3725398	2.22E-04	4.81E-05	4.38E-05	6.04E-06	2.35E-04	2.80E-05	2.42E-05	2.05E-06
300	437135.4	3725363	2.11E-04	4.58E-05	4.16E-05	5.75E-06	2.24E-04	2.67E-05	2.31E-05	1.95E-06
301	437132.3	3725354	2.08E-04	4.52E-05	4.11E-05	5.68E-06	2.21E-04	2.63E-05	2.28E-05	1.92E-06
302	437129.2	3725345	2.05E-04	4.46E-05	4.06E-05	5.60E-06	2.18E-04	2.60E-05	2.25E-05	1.90E-06
303	437126.1	3725336	2.03E-04	4.40E-05	4.00E-05	5.53E-06	2.15E-04	2.57E-05	2.22E-05	1.87E-06
304	437123	3725327	2.00E-04	4.34E-05	3.95E-05	5.45E-06	2.12E-04	2.53E-05	2.19E-05	1.85E-06
305	437119.9	3725319	1.97E-04	4.29E-05	3.90E-05	5.38E-06	2.10E-04	2.50E-05	2.16E-05	1.82E-06
306	437116.8	3725310	1.95E-04	4.23E-05	3.84E-05	5.31E-06	2.07E-04	2.46E-05	2.13E-05	1.80E-06
307	437113.7	3725301	1.92E-04	4.17E-05	3.79E-05	5.24E-06	2.04E-04	2.43E-05	2.10E-05	1.78E-06
308	437110.6	3725292	1.89E-04	4.12E-05	3.74E-05	5.17E-06	2.01E-04	2.40E-05	2.07E-05	1.75E-06
309	437107.5	3725284	1.87E-04	4.06E-05	3.69E-05	5.10E-06	1.98E-04	2.37E-05	2.04E-05	1.73E-06
310	437101.4	3725266	1.82E-04	3.95E-05	3.59E-05	4.96E-06	1.93E-04	2.30E-05	1.99E-05	1.68E-06
311	437089	3725231	1.72E-04	3.73E-05	3.39E-05	4.68E-06	1.82E-04	2.17E-05	1.88E-05	1.59E-06
312	437089.9	3725214	1.71E-04	3.72E-05	3.38E-05	4.67E-06	1.82E-04	2.17E-05	1.87E-05	1.58E-06
313	437093.9	3725206	1.73E-04	3.76E-05	3.42E-05	4.73E-06	1.84E-04	2.19E-05	1.90E-05	1.60E-06
314	437097.9	3725197	1.75E-04	3.81E-05	3.46E-05	4.78E-06	1.86E-04	2.22E-05	1.92E-05	1.62E-06
315	437101.9	3725189	1.77E-04	3.85E-05	3.50E-05	4.84E-06	1.88E-04	2.25E-05	1.94E-05	1.64E-06
316	437105.9	3725180	1.79E-04	3.90E-05	3.54E-05	4.89E-06	1.90E-04	2.27E-05	1.96E-05	1.66E-06
317	437129.9	3725130	1.91E-04	4.14E-05	3.77E-05	5.20E-06	2.03E-04	2.41E-05	2.09E-05	1.76E-06
318	437133.9	3725122	1.92E-04	4.18E-05	3.80E-05	5.25E-06	2.04E-04	2.44E-05	2.10E-05	1.78E-06
319	437137.9	3725113	1.94E-04	4.22E-05	3.83E-05	5.30E-06	2.06E-04	2.46E-05	2.12E-05	1.80E-06
320	437141.9	3725105	1.96E-04	4.25E-05	3.87E-05	5.34E-06	2.08E-04	2.48E-05	2.14E-05	1.81E-06
321	437145.9	3725096	1.97E-04	4.28E-05	3.89E-05	5.38E-06	2.09E-04	2.50E-05	2.16E-05	1.82E-06
322	437149.9	3725088	1.99E-04	4.31E-05	3.92E-05	5.42E-06	2.11E-04	2.51E-05	2.17E-05	1.84E-06
323	437153.9	3725080	2.00E-04	4.34E-05	3.94E-05	5.45E-06	2.12E-04	2.53E-05	2.18E-05	1.85E-06
324	437157.9	3725071	2.01E-04	4.36E-05	3.97E-05	5.48E-06	2.13E-04	2.54E-05	2.20E-05	1.86E-06
325	437161.8	3725063	2.02E-04	4.38E-05	3.98E-05	5.50E-06	2.14E-04	2.55E-05	2.21E-05	1.87E-06
326	437165.8	3725054	2.02E-04	4.40E-05	4.00E-05	5.52E-06	2.15E-04	2.56E-05	2.21E-05	1.87E-06
327	437169.8	3725046	2.03E-04	4.41E-05	4.01E-05	5.54E-06	2.16E-04	2.57E-05	2.22E-05	1.88E-06
328	437173.8	3725038	2.03E-04	4.42E-05	4.02E-05	5.55E-06	2.16E-04	2.57E-05	2.22E-05	1.88E-06
329	437177.8	3725029	2.03E-04	4.42E-05	4.02E-05	5.55E-06	2.16E-04	2.58E-05	2.23E-05	1.88E-06
330	437213.8	3724954	1.90E-04	4.12E-05	3.75E-05	5.18E-06	2.02E-04	2.40E-05	2.08E-05	1.75E-06
331	437217.8	3724945	1.88E-04	4.07E-05	3.70E-05	5.12E-06	1.99E-04	2.37E-05	2.05E-05	1.73E-06
332	437221.8	3724937	1.85E-04	4.03E-05	3.66E-05	5.06E-06	1.97E-04	2.35E-05	2.03E-05	1.71E-06

333	437225.8	3724929	1.83E-04	3.98E-05	3.62E-05	5.00E-06	1.95E-04	2.32E-05	2.00E-05	1.70E-06
334	437229.8	3724920	1.81E-04	3.94E-05	3.58E-05	4.94E-06	1.92E-04	2.29E-05	1.98E-05	1.68E-06
335	437143.6	3725469	2.10E-04	4.57E-05	4.15E-05	5.74E-06	2.23E-04	2.66E-05	2.30E-05	1.94E-06
336	437140.5	3725460	2.09E-04	4.53E-05	4.12E-05	5.69E-06	2.22E-04	2.64E-05	2.28E-05	1.93E-06
337	437137.4	3725451	2.07E-04	4.50E-05	4.09E-05	5.65E-06	2.20E-04	2.62E-05	2.27E-05	1.92E-06
338	437134.2	3725442	2.06E-04	4.47E-05	4.06E-05	5.62E-06	2.19E-04	2.61E-05	2.25E-05	1.90E-06
339	437131.1	3725434	2.04E-04	4.44E-05	4.04E-05	5.58E-06	2.17E-04	2.59E-05	2.24E-05	1.89E-06
340	437128	3725425	2.03E-04	4.41E-05	4.01E-05	5.54E-06	2.16E-04	2.57E-05	2.22E-05	1.88E-06
341	437124.8	3725416	2.01E-04	4.36E-05	3.97E-05	5.48E-06	2.13E-04	2.54E-05	2.20E-05	1.86E-06
342	437121.7	3725407	1.99E-04	4.31E-05	3.92E-05	5.42E-06	2.11E-04	2.51E-05	2.17E-05	1.84E-06
343	437109.2	3725371	1.89E-04	4.12E-05	3.74E-05	5.17E-06	2.01E-04	2.40E-05	2.07E-05	1.75E-06
344	437106	3725363	1.87E-04	4.07E-05	3.70E-05	5.11E-06	1.99E-04	2.37E-05	2.05E-05	1.73E-06
345	437102.9	3725354	1.85E-04	4.02E-05	3.65E-05	5.05E-06	1.96E-04	2.34E-05	2.02E-05	1.71E-06
346	437081	3725292	1.69E-04	3.68E-05	3.34E-05	4.62E-06	1.80E-04	2.14E-05	1.85E-05	1.57E-06
347	437077.8	3725283	1.67E-04	3.63E-05	3.30E-05	4.56E-06	1.77E-04	2.12E-05	1.83E-05	1.54E-06
348	437074.7	3725274	1.65E-04	3.58E-05	3.26E-05	4.50E-06	1.75E-04	2.09E-05	1.80E-05	1.53E-06
349	437071.6	3725265	1.63E-04	3.54E-05	3.21E-05	4.44E-06	1.73E-04	2.06E-05	1.78E-05	1.50E-06
350	437062.2	3725238	1.56E-04	3.40E-05	3.09E-05	4.27E-06	1.66E-04	1.98E-05	1.71E-05	1.45E-06
351	437059.1	3725230	1.54E-04	3.36E-05	3.05E-05	4.21E-06	1.64E-04	1.96E-05	1.69E-05	1.43E-06
352	437060	3725212	1.54E-04	3.35E-05	3.04E-05	4.21E-06	1.64E-04	1.95E-05	1.69E-05	1.43E-06
353	437064	3725204	1.56E-04	3.39E-05	3.08E-05	4.25E-06	1.66E-04	1.97E-05	1.71E-05	1.44E-06
354	437068.1	3725195	1.58E-04	3.42E-05	3.11E-05	4.30E-06	1.67E-04	2.00E-05	1.72E-05	1.46E-06
355	437072.1	3725187	1.59E-04	3.46E-05	3.15E-05	4.35E-06	1.69E-04	2.02E-05	1.74E-05	1.47E-06
356	437076.2	3725178	1.61E-04	3.50E-05	3.18E-05	4.40E-06	1.71E-04	2.04E-05	1.76E-05	1.49E-06
357	437104.5	3725119	1.73E-04	3.76E-05	3.41E-05	4.72E-06	1.84E-04	2.19E-05	1.89E-05	1.60E-06
358	437108.5	3725110	1.74E-04	3.79E-05	3.45E-05	4.76E-06	1.85E-04	2.21E-05	1.91E-05	1.61E-06
359	437112.6	3725102	1.76E-04	3.82E-05	3.48E-05	4.80E-06	1.87E-04	2.23E-05	1.92E-05	1.63E-06
360	437116.6	3725093	1.77E-04	3.85E-05	3.50E-05	4.84E-06	1.88E-04	2.25E-05	1.94E-05	1.64E-06
361	437120.7	3725085	1.79E-04	3.88E-05	3.53E-05	4.87E-06	1.90E-04	2.26E-05	1.95E-05	1.65E-06
362	437124.7	3725076	1.80E-04	3.91E-05	3.55E-05	4.91E-06	1.91E-04	2.28E-05	1.97E-05	1.66E-06
363	437128.8	3725068	1.81E-04	3.93E-05	3.57E-05	4.94E-06	1.92E-04	2.29E-05	1.98E-05	1.67E-06
364	437132.8	3725059	1.82E-04	3.95E-05	3.59E-05	4.96E-06	1.93E-04	2.30E-05	1.99E-05	1.68E-06
365	437136.8	3725051	1.83E-04	3.97E-05	3.61E-05	4.99E-06	1.94E-04	2.31E-05	2.00E-05	1.69E-06
366	437140.9	3725042	1.84E-04	3.99E-05	3.62E-05	5.01E-06	1.95E-04	2.32E-05	2.01E-05	1.70E-06
367	437144.9	3725034	1.84E-04	4.00E-05	3.64E-05	5.02E-06	1.96E-04	2.33E-05	2.01E-05	1.70E-06
368	437149	3725025	1.84E-04	4.01E-05	3.64E-05	5.03E-06	1.96E-04	2.33E-05	2.02E-05	1.71E-06
369	437153	3725017	1.85E-04	4.01E-05	3.65E-05	5.04E-06	1.96E-04	2.34E-05	2.02E-05	1.71E-06
370	437157.1	3725008	1.85E-04	4.01E-05	3.65E-05	5.04E-06	1.96E-04	2.34E-05	2.02E-05	1.71E-06
371	437161.1	3725000	1.84E-04	4.01E-05	3.64E-05	5.03E-06	1.96E-04	2.33E-05	2.02E-05	1.71E-06
372	437197.5	3724924	1.71E-04	3.72E-05	3.39E-05	4.68E-06	1.82E-04	2.17E-05	1.88E-05	1.59E-06
373	437201.6	3724915	1.69E-04	3.68E-05	3.34E-05	4.62E-06	1.80E-04	2.14E-05	1.85E-05	1.57E-06
374	437205.6	3724907	1.67E-04	3.64E-05	3.31E-05	4.57E-06	1.78E-04	2.12E-05	1.83E-05	1.55E-06
375	437209.7	3724898	1.65E-04	3.59E-05	3.26E-05	4.51E-06	1.75E-04	2.09E-05	1.81E-05	1.53E-06
376	437115.6	3725473	1.87E-04	4.06E-05	3.69E-05	5.10E-06	1.99E-04	2.37E-05	2.05E-05	1.73E-06
377	437112.5	3725464	1.86E-04	4.03E-05	3.67E-05	5.06E-06	1.97E-04	2.35E-05	2.03E-05	1.72E-06
378	437109.4	3725455	1.84E-04	4.00E-05	3.63E-05	5.02E-06	1.95E-04	2.33E-05	2.01E-05	1.70E-06
379	437106.3	3725447	1.83E-04	3.97E-05	3.61E-05	4.98E-06	1.94E-04	2.31E-05	2.00E-05	1.69E-06
380	437103.2	3725438	1.81E-04	3.94E-05	3.58E-05	4.95E-06	1.93E-04	2.30E-05	1.98E-05	1.68E-06
381	437100.1	3725429	1.80E-04	3.92E-05	3.56E-05	4.92E-06	1.91E-04	2.28E-05	1.97E-05	1.67E-06
382	437097	3725420	1.79E-04	3.89E-05	3.53E-05	4.88E-06	1.90E-04	2.27E-05	1.96E-05	1.66E-06
383	437093.9	3725412	1.78E-04	3.86E-05	3.51E-05	4.84E-06	1.89E-04	2.25E-05	1.94E-05	1.64E-06
384	437081.6	3725377	1.71E-04	3.71E-05	3.37E-05	4.66E-06	1.81E-04	2.16E-05	1.87E-05	1.58E-06
385	437078.5	3725368	1.69E-04	3.67E-05	3.33E-05	4.60E-06	1.79E-04	2.14E-05	1.85E-05	1.56E-06
386	437075.4	3725359	1.67E-04	3.62E-05	3.29E-05	4.55E-06	1.77E-04	2.11E-05	1.82E-05	1.54E-06
387	437072.3	3725350	1.65E-04	3.58E-05	3.26E-05	4.50E-06	1.75E-04	2.09E-05	1.80E-05	1.53E-06
388	437069.2	3725342	1.63E-04	3.54E-05	3.22E-05	4.45E-06	1.73E-04	2.07E-05	1.78E-05	1.51E-06

389	437066.1	3725333	1.61E-04	3.50E-05	3.18E-05	4.40E-06	1.71E-04	2.04E-05	1.76E-05	1.49E-06
390	437063	3725324	1.59E-04	3.46E-05	3.15E-05	4.35E-06	1.69E-04	2.02E-05	1.74E-05	1.47E-06
391	437060	3725315	1.58E-04	3.42E-05	3.11E-05	4.30E-06	1.67E-04	1.99E-05	1.72E-05	1.46E-06
392	437056.9	3725307	1.56E-04	3.38E-05	3.08E-05	4.25E-06	1.65E-04	1.97E-05	1.70E-05	1.44E-06
393	437053.8	3725298	1.54E-04	3.34E-05	3.04E-05	4.20E-06	1.63E-04	1.95E-05	1.68E-05	1.42E-06
394	437050.7	3725289	1.52E-04	3.30E-05	3.00E-05	4.15E-06	1.62E-04	1.93E-05	1.66E-05	1.41E-06
395	437047.6	3725280	1.50E-04	3.26E-05	2.97E-05	4.10E-06	1.60E-04	1.90E-05	1.64E-05	1.39E-06
396	437044.5	3725272	1.49E-04	3.23E-05	2.93E-05	4.05E-06	1.58E-04	1.88E-05	1.62E-05	1.37E-06
397	437041.4	3725263	1.47E-04	3.19E-05	2.90E-05	4.00E-06	1.56E-04	1.86E-05	1.60E-05	1.36E-06
398	437032.1	3725237	1.42E-04	3.07E-05	2.79E-05	3.86E-06	1.50E-04	1.79E-05	1.55E-05	1.31E-06
399	437029.1	3725228	1.40E-04	3.04E-05	2.76E-05	3.82E-06	1.49E-04	1.77E-05	1.53E-05	1.29E-06
400	437030	3725211	1.40E-04	3.03E-05	2.76E-05	3.81E-06	1.48E-04	1.77E-05	1.53E-05	1.29E-06
401	437033.9	3725202	1.41E-04	3.07E-05	2.79E-05	3.85E-06	1.50E-04	1.79E-05	1.54E-05	1.31E-06
402	437037.9	3725194	1.43E-04	3.10E-05	2.82E-05	3.89E-06	1.51E-04	1.81E-05	1.56E-05	1.32E-06
403	437041.9	3725186	1.44E-04	3.13E-05	2.85E-05	3.93E-06	1.53E-04	1.82E-05	1.58E-05	1.33E-06
404	437045.9	3725177	1.46E-04	3.16E-05	2.87E-05	3.97E-06	1.55E-04	1.84E-05	1.59E-05	1.35E-06
405	437085.8	3725093	1.60E-04	3.47E-05	3.16E-05	4.36E-06	1.70E-04	2.02E-05	1.75E-05	1.48E-06
406	437089.8	3725085	1.61E-04	3.50E-05	3.18E-05	4.39E-06	1.71E-04	2.04E-05	1.76E-05	1.49E-06
407	437093.8	3725077	1.62E-04	3.52E-05	3.20E-05	4.43E-06	1.72E-04	2.05E-05	1.77E-05	1.50E-06
408	437097.8	3725068	1.63E-04	3.55E-05	3.23E-05	4.46E-06	1.74E-04	2.07E-05	1.79E-05	1.51E-06
409	437101.8	3725060	1.64E-04	3.57E-05	3.25E-05	4.49E-06	1.75E-04	2.08E-05	1.80E-05	1.52E-06
410	437105.8	3725052	1.65E-04	3.59E-05	3.26E-05	4.51E-06	1.76E-04	2.09E-05	1.81E-05	1.53E-06
411	437109.8	3725043	1.66E-04	3.61E-05	3.28E-05	4.53E-06	1.76E-04	2.10E-05	1.82E-05	1.54E-06
412	437113.8	3725035	1.67E-04	3.62E-05	3.29E-05	4.55E-06	1.77E-04	2.11E-05	1.82E-05	1.54E-06
413	437117.8	3725026	1.67E-04	3.64E-05	3.31E-05	4.57E-06	1.78E-04	2.12E-05	1.83E-05	1.55E-06
414	437121.8	3725018	1.68E-04	3.65E-05	3.31E-05	4.58E-06	1.78E-04	2.12E-05	1.84E-05	1.55E-06
415	437125.8	3725010	1.68E-04	3.65E-05	3.32E-05	4.59E-06	1.79E-04	2.13E-05	1.84E-05	1.55E-06
416	437129.8	3725001	1.68E-04	3.66E-05	3.32E-05	4.59E-06	1.79E-04	2.13E-05	1.84E-05	1.56E-06
417	437133.7	3724993	1.68E-04	3.66E-05	3.32E-05	4.59E-06	1.79E-04	2.13E-05	1.84E-05	1.56E-06
418	437137.7	3724985	1.68E-04	3.65E-05	3.32E-05	4.59E-06	1.79E-04	2.13E-05	1.84E-05	1.55E-06
419	437141.7	3724976	1.68E-04	3.64E-05	3.31E-05	4.58E-06	1.78E-04	2.12E-05	1.84E-05	1.55E-06
420	437145.7	3724968	1.67E-04	3.64E-05	3.30E-05	4.57E-06	1.78E-04	2.12E-05	1.83E-05	1.55E-06
421	437177.7	3724901	1.58E-04	3.42E-05	3.11E-05	4.30E-06	1.67E-04	2.00E-05	1.72E-05	1.46E-06
422	437181.7	3724892	1.56E-04	3.38E-05	3.07E-05	4.25E-06	1.65E-04	1.97E-05	1.70E-05	1.44E-06
423	437185.6	3724884	1.54E-04	3.34E-05	3.03E-05	4.19E-06	1.63E-04	1.94E-05	1.68E-05	1.42E-06
424	437189.6	3724876	1.51E-04	3.29E-05	2.99E-05	4.13E-06	1.61E-04	1.92E-05	1.66E-05	1.40E-06
425	437086.6	3725474	1.67E-04	3.63E-05	3.30E-05	4.56E-06	1.77E-04	2.11E-05	1.83E-05	1.54E-06
426	437083.5	3725465	1.66E-04	3.60E-05	3.28E-05	4.53E-06	1.76E-04	2.10E-05	1.81E-05	1.53E-06
427	437080.3	3725456	1.65E-04	3.58E-05	3.26E-05	4.50E-06	1.75E-04	2.09E-05	1.80E-05	1.52E-06
428	437077.2	3725447	1.64E-04	3.56E-05	3.23E-05	4.47E-06	1.74E-04	2.07E-05	1.79E-05	1.51E-06
429	437074.1	3725439	1.62E-04	3.53E-05	3.21E-05	4.43E-06	1.72E-04	2.05E-05	1.78E-05	1.50E-06
430	437071	3725430	1.61E-04	3.49E-05	3.18E-05	4.39E-06	1.71E-04	2.04E-05	1.76E-05	1.49E-06
431	437067.8	3725421	1.59E-04	3.46E-05	3.15E-05	4.35E-06	1.69E-04	2.02E-05	1.74E-05	1.47E-06
432	437064.7	3725412	1.58E-04	3.43E-05	3.12E-05	4.31E-06	1.68E-04	2.00E-05	1.73E-05	1.46E-06
433	437055.3	3725386	1.53E-04	3.33E-05	3.03E-05	4.18E-06	1.63E-04	1.94E-05	1.68E-05	1.42E-06
434	437052.2	3725377	1.52E-04	3.30E-05	3.00E-05	4.14E-06	1.61E-04	1.92E-05	1.66E-05	1.40E-06
435	437049.1	3725368	1.50E-04	3.27E-05	2.97E-05	4.10E-06	1.60E-04	1.90E-05	1.65E-05	1.39E-06
436	437046	3725359	1.49E-04	3.24E-05	2.94E-05	4.07E-06	1.58E-04	1.89E-05	1.63E-05	1.38E-06
437	437042.9	3725350	1.48E-04	3.21E-05	2.92E-05	4.03E-06	1.57E-04	1.87E-05	1.62E-05	1.37E-06
438	437039.7	3725341	1.46E-04	3.18E-05	2.89E-05	3.99E-06	1.55E-04	1.85E-05	1.60E-05	1.35E-06
439	437036.6	3725333	1.45E-04	3.15E-05	2.86E-05	3.96E-06	1.54E-04	1.84E-05	1.59E-05	1.34E-06
440	437024.1	3725297	1.40E-04	3.03E-05	2.76E-05	3.81E-06	1.48E-04	1.77E-05	1.53E-05	1.29E-06
441	437021	3725288	1.38E-04	3.00E-05	2.73E-05	3.77E-06	1.47E-04	1.75E-05	1.51E-05	1.28E-06
442	437017.9	3725279	1.36E-04	2.96E-05	2.69E-05	3.72E-06	1.45E-04	1.73E-05	1.49E-05	1.26E-06
443	437014.7	3725271	1.35E-04	2.93E-05	2.67E-05	3.68E-06	1.43E-04	1.71E-05	1.48E-05	1.25E-06
444	437011.6	3725262	1.33E-04	2.90E-05	2.63E-05	3.64E-06	1.42E-04	1.69E-05	1.46E-05	1.23E-06

445	437002.2	3725235	1.29E-04	2.80E-05	2.54E-05	3.51E-06	1.37E-04	1.63E-05	1.41E-05	1.19E-06
446	436999.1	3725226	1.27E-04	2.77E-05	2.52E-05	3.48E-06	1.35E-04	1.61E-05	1.39E-05	1.18E-06
447	437000	3725209	1.27E-04	2.77E-05	2.52E-05	3.48E-06	1.35E-04	1.61E-05	1.39E-05	1.18E-06
448	437004.1	3725201	1.29E-04	2.80E-05	2.54E-05	3.51E-06	1.37E-04	1.63E-05	1.41E-05	1.19E-06
449	437008.1	3725192	1.30E-04	2.82E-05	2.57E-05	3.55E-06	1.38E-04	1.65E-05	1.42E-05	1.20E-06
450	437012.1	3725184	1.31E-04	2.85E-05	2.59E-05	3.58E-06	1.39E-04	1.66E-05	1.44E-05	1.21E-06
451	437048.5	3725107	1.42E-04	3.08E-05	2.80E-05	3.87E-06	1.51E-04	1.79E-05	1.55E-05	1.31E-06
452	437052.5	3725099	1.43E-04	3.10E-05	2.82E-05	3.90E-06	1.52E-04	1.81E-05	1.56E-05	1.32E-06
453	437056.5	3725091	1.44E-04	3.13E-05	2.85E-05	3.93E-06	1.53E-04	1.82E-05	1.58E-05	1.33E-06
454	437060.6	3725082	1.46E-04	3.17E-05	2.88E-05	3.98E-06	1.55E-04	1.85E-05	1.60E-05	1.35E-06
455	437064.6	3725074	1.47E-04	3.20E-05	2.91E-05	4.02E-06	1.57E-04	1.87E-05	1.61E-05	1.36E-06
456	437068.6	3725065	1.49E-04	3.23E-05	2.93E-05	4.05E-06	1.58E-04	1.88E-05	1.62E-05	1.37E-06
457	437072.7	3725057	1.50E-04	3.25E-05	2.95E-05	4.08E-06	1.59E-04	1.89E-05	1.64E-05	1.38E-06
458	437076.7	3725048	1.50E-04	3.27E-05	2.97E-05	4.10E-06	1.60E-04	1.91E-05	1.65E-05	1.39E-06
459	437080.7	3725040	1.51E-04	3.29E-05	2.99E-05	4.13E-06	1.61E-04	1.92E-05	1.66E-05	1.40E-06
460	437084.8	3725031	1.52E-04	3.30E-05	3.00E-05	4.15E-06	1.62E-04	1.93E-05	1.66E-05	1.41E-06
461	437088.8	3725023	1.53E-04	3.32E-05	3.02E-05	4.17E-06	1.62E-04	1.93E-05	1.67E-05	1.41E-06
462	437092.8	3725014	1.53E-04	3.33E-05	3.03E-05	4.18E-06	1.63E-04	1.94E-05	1.68E-05	1.42E-06
463	437096.9	3725006	1.54E-04	3.34E-05	3.04E-05	4.19E-06	1.63E-04	1.95E-05	1.68E-05	1.42E-06
464	437100.9	3724997	1.54E-04	3.35E-05	3.04E-05	4.20E-06	1.64E-04	1.95E-05	1.68E-05	1.42E-06
465	437104.9	3724989	1.54E-04	3.35E-05	3.04E-05	4.21E-06	1.64E-04	1.95E-05	1.69E-05	1.43E-06
466	437109	3724980	1.54E-04	3.35E-05	3.05E-05	4.21E-06	1.64E-04	1.95E-05	1.69E-05	1.43E-06
467	437113	3724972	1.54E-04	3.35E-05	3.04E-05	4.20E-06	1.64E-04	1.95E-05	1.69E-05	1.43E-06
468	437117	3724964	1.54E-04	3.34E-05	3.04E-05	4.20E-06	1.63E-04	1.95E-05	1.68E-05	1.42E-06
469	437121.1	3724955	1.53E-04	3.33E-05	3.03E-05	4.19E-06	1.63E-04	1.94E-05	1.68E-05	1.42E-06
470	437125.1	3724947	1.53E-04	3.32E-05	3.02E-05	4.17E-06	1.62E-04	1.94E-05	1.67E-05	1.41E-06
471	437129.2	3724938	1.52E-04	3.31E-05	3.01E-05	4.16E-06	1.62E-04	1.93E-05	1.67E-05	1.41E-06
472	437161.4	3724870	1.42E-04	3.09E-05	2.81E-05	3.88E-06	1.51E-04	1.80E-05	1.56E-05	1.32E-06
473	437165.5	3724862	1.40E-04	3.05E-05	2.77E-05	3.83E-06	1.49E-04	1.78E-05	1.54E-05	1.30E-06
474	437169.5	3724853	1.38E-04	3.01E-05	2.74E-05	3.78E-06	1.47E-04	1.75E-05	1.51E-05	1.28E-06
475	437003.1	3725321	1.29E-04	2.81E-05	2.55E-05	3.52E-06	1.37E-04	1.64E-05	1.41E-05	1.19E-06
476	437000	3725312	1.28E-04	2.78E-05	2.53E-05	3.49E-06	1.36E-04	1.62E-05	1.40E-05	1.18E-06
477	436996.9	3725303	1.27E-04	2.75E-05	2.50E-05	3.46E-06	1.35E-04	1.60E-05	1.39E-05	1.17E-06
478	436993.8	3725295	1.26E-04	2.73E-05	2.48E-05	3.42E-06	1.33E-04	1.59E-05	1.37E-05	1.16E-06
479	436990.7	3725286	1.24E-04	2.70E-05	2.45E-05	3.39E-06	1.32E-04	1.57E-05	1.36E-05	1.15E-06
480	436987.6	3725277	1.23E-04	2.67E-05	2.43E-05	3.36E-06	1.31E-04	1.56E-05	1.35E-05	1.14E-06
481	436984.6	3725268	1.22E-04	2.64E-05	2.40E-05	3.32E-06	1.29E-04	1.54E-05	1.33E-05	1.12E-06
482	436972.2	3725233	1.17E-04	2.53E-05	2.30E-05	3.18E-06	1.24E-04	1.48E-05	1.27E-05	1.08E-06
483	436969.1	3725225	1.16E-04	2.52E-05	2.29E-05	3.16E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06
484	436970	3725208	1.17E-04	2.54E-05	2.31E-05	3.19E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
485	436974	3725199	1.18E-04	2.56E-05	2.33E-05	3.22E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
486	436978	3725191	1.19E-04	2.59E-05	2.35E-05	3.25E-06	1.27E-04	1.51E-05	1.30E-05	1.10E-06
487	436982	3725183	1.20E-04	2.61E-05	2.37E-05	3.28E-06	1.28E-04	1.52E-05	1.32E-05	1.11E-06
488	437009.9	3725124	1.26E-04	2.73E-05	2.48E-05	3.43E-06	1.34E-04	1.59E-05	1.37E-05	1.16E-06
489	437013.9	3725116	1.26E-04	2.74E-05	2.49E-05	3.44E-06	1.34E-04	1.60E-05	1.38E-05	1.17E-06
490	437017.9	3725107	1.27E-04	2.76E-05	2.51E-05	3.46E-06	1.35E-04	1.61E-05	1.39E-05	1.17E-06
491	437021.9	3725099	1.28E-04	2.78E-05	2.52E-05	3.49E-06	1.36E-04	1.62E-05	1.40E-05	1.18E-06
492	437025.9	3725090	1.29E-04	2.80E-05	2.54E-05	3.51E-06	1.37E-04	1.63E-05	1.41E-05	1.19E-06
493	437029.8	3725082	1.30E-04	2.83E-05	2.57E-05	3.55E-06	1.38E-04	1.65E-05	1.42E-05	1.20E-06
494	437033.8	3725074	1.32E-04	2.86E-05	2.60E-05	3.59E-06	1.40E-04	1.67E-05	1.44E-05	1.22E-06
495	437037.8	3725065	1.33E-04	2.90E-05	2.63E-05	3.64E-06	1.42E-04	1.69E-05	1.46E-05	1.23E-06
496	437041.8	3725057	1.35E-04	2.93E-05	2.66E-05	3.68E-06	1.43E-04	1.71E-05	1.48E-05	1.25E-06
497	437045.8	3725049	1.37E-04	2.98E-05	2.71E-05	3.74E-06	1.46E-04	1.73E-05	1.50E-05	1.27E-06
498	437049.8	3725040	1.38E-04	3.00E-05	2.73E-05	3.77E-06	1.47E-04	1.75E-05	1.51E-05	1.28E-06
499	437053.8	3725032	1.39E-04	3.02E-05	2.74E-05	3.79E-06	1.48E-04	1.76E-05	1.52E-05	1.29E-06
500	437057.7	3725024	1.40E-04	3.04E-05	2.76E-05	3.81E-06	1.48E-04	1.77E-05	1.53E-05	1.29E-06

501	437061.7	3725015	1.40E-04	3.05E-05	2.77E-05	3.83E-06	1.49E-04	1.78E-05	1.54E-05	1.30E-06
502	437065.7	3725007	1.41E-04	3.06E-05	2.78E-05	3.84E-06	1.50E-04	1.78E-05	1.54E-05	1.30E-06
503	437069.7	3724998	1.41E-04	3.07E-05	2.79E-05	3.85E-06	1.50E-04	1.79E-05	1.55E-05	1.31E-06
504	437073.7	3724990	1.42E-04	3.08E-05	2.80E-05	3.86E-06	1.50E-04	1.79E-05	1.55E-05	1.31E-06
505	437077.7	3724982	1.42E-04	3.08E-05	2.80E-05	3.87E-06	1.51E-04	1.80E-05	1.55E-05	1.31E-06
506	437081.7	3724973	1.42E-04	3.08E-05	2.80E-05	3.87E-06	1.51E-04	1.80E-05	1.55E-05	1.31E-06
507	437085.7	3724965	1.42E-04	3.08E-05	2.80E-05	3.87E-06	1.51E-04	1.80E-05	1.55E-05	1.31E-06
508	437089.6	3724957	1.42E-04	3.08E-05	2.80E-05	3.87E-06	1.51E-04	1.80E-05	1.55E-05	1.31E-06
509	437093.6	3724948	1.42E-04	3.08E-05	2.80E-05	3.87E-06	1.51E-04	1.79E-05	1.55E-05	1.31E-06
510	437097.6	3724940	1.41E-04	3.07E-05	2.79E-05	3.86E-06	1.50E-04	1.79E-05	1.55E-05	1.31E-06
511	437101.6	3724932	1.41E-04	3.06E-05	2.79E-05	3.85E-06	1.50E-04	1.79E-05	1.54E-05	1.30E-06
512	437105.6	3724923	1.40E-04	3.05E-05	2.77E-05	3.83E-06	1.49E-04	1.78E-05	1.54E-05	1.30E-06
513	437109.6	3724915	1.40E-04	3.04E-05	2.76E-05	3.81E-06	1.48E-04	1.77E-05	1.53E-05	1.29E-06
514	437137.5	3724856	1.32E-04	2.87E-05	2.61E-05	3.60E-06	1.40E-04	1.67E-05	1.44E-05	1.22E-06
515	437141.5	3724848	1.31E-04	2.84E-05	2.58E-05	3.56E-06	1.39E-04	1.65E-05	1.43E-05	1.21E-06
516	437145.5	3724839	1.29E-04	2.80E-05	2.55E-05	3.52E-06	1.37E-04	1.63E-05	1.41E-05	1.19E-06
517	437149.5	3724831	1.27E-04	2.76E-05	2.51E-05	3.47E-06	1.35E-04	1.61E-05	1.39E-05	1.18E-06
518	437032.7	3725488	1.38E-04	3.00E-05	2.72E-05	3.76E-06	1.47E-04	1.75E-05	1.51E-05	1.28E-06
519	437029.6	3725479	1.37E-04	2.97E-05	2.70E-05	3.73E-06	1.45E-04	1.73E-05	1.50E-05	1.27E-06
520	437026.5	3725470	1.36E-04	2.95E-05	2.68E-05	3.70E-06	1.44E-04	1.72E-05	1.48E-05	1.25E-06
521	437023.3	3725461	1.34E-04	2.92E-05	2.65E-05	3.67E-06	1.43E-04	1.70E-05	1.47E-05	1.24E-06
522	437020.2	3725453	1.33E-04	2.89E-05	2.63E-05	3.63E-06	1.41E-04	1.69E-05	1.46E-05	1.23E-06
523	437017.1	3725444	1.32E-04	2.87E-05	2.61E-05	3.60E-06	1.40E-04	1.67E-05	1.44E-05	1.22E-06
524	437014	3725435	1.31E-04	2.84E-05	2.58E-05	3.57E-06	1.39E-04	1.66E-05	1.43E-05	1.21E-06
525	437010.9	3725426	1.30E-04	2.82E-05	2.56E-05	3.54E-06	1.38E-04	1.64E-05	1.42E-05	1.20E-06
526	436998.4	3725391	1.26E-04	2.73E-05	2.48E-05	3.43E-06	1.33E-04	1.59E-05	1.37E-05	1.16E-06
527	436995.3	3725382	1.25E-04	2.71E-05	2.46E-05	3.40E-06	1.32E-04	1.58E-05	1.36E-05	1.15E-06
528	436992.2	3725373	1.23E-04	2.68E-05	2.44E-05	3.37E-06	1.31E-04	1.56E-05	1.35E-05	1.14E-06
529	436989.1	3725364	1.22E-04	2.66E-05	2.42E-05	3.34E-06	1.30E-04	1.55E-05	1.34E-05	1.13E-06
530	436985.9	3725356	1.21E-04	2.64E-05	2.40E-05	3.31E-06	1.29E-04	1.54E-05	1.33E-05	1.12E-06
531	436982.8	3725347	1.20E-04	2.61E-05	2.38E-05	3.28E-06	1.28E-04	1.52E-05	1.32E-05	1.11E-06
532	436979.7	3725338	1.19E-04	2.59E-05	2.36E-05	3.26E-06	1.27E-04	1.51E-05	1.31E-05	1.10E-06
533	436976.6	3725329	1.18E-04	2.57E-05	2.34E-05	3.23E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
534	436973.5	3725320	1.17E-04	2.55E-05	2.32E-05	3.20E-06	1.25E-04	1.49E-05	1.28E-05	1.09E-06
535	436970.4	3725311	1.16E-04	2.53E-05	2.30E-05	3.17E-06	1.24E-04	1.47E-05	1.27E-05	1.08E-06
536	436967.2	3725303	1.15E-04	2.50E-05	2.27E-05	3.14E-06	1.22E-04	1.46E-05	1.26E-05	1.06E-06
537	436964.1	3725294	1.14E-04	2.48E-05	2.25E-05	3.11E-06	1.21E-04	1.44E-05	1.25E-05	1.05E-06
538	436961	3725285	1.13E-04	2.44E-05	2.22E-05	3.07E-06	1.20E-04	1.42E-05	1.23E-05	1.04E-06
539	436957.9	3725276	1.11E-04	2.41E-05	2.20E-05	3.03E-06	1.18E-04	1.41E-05	1.22E-05	1.03E-06
540	436954.8	3725267	1.10E-04	2.39E-05	2.17E-05	3.00E-06	1.17E-04	1.39E-05	1.20E-05	1.02E-06
541	436945.4	3725241	1.07E-04	2.33E-05	2.11E-05	2.92E-06	1.14E-04	1.36E-05	1.17E-05	9.90E-07
542	436942.3	3725232	1.06E-04	2.31E-05	2.10E-05	2.90E-06	1.13E-04	1.34E-05	1.16E-05	9.82E-07
543	436939.2	3725223	1.05E-04	2.29E-05	2.08E-05	2.88E-06	1.12E-04	1.34E-05	1.15E-05	9.75E-07
544	436940.1	3725206	1.06E-04	2.31E-05	2.10E-05	2.91E-06	1.13E-04	1.35E-05	1.16E-05	9.85E-07
545	436944.1	3725198	1.08E-04	2.34E-05	2.13E-05	2.94E-06	1.15E-04	1.37E-05	1.18E-05	9.98E-07
546	436948.2	3725189	1.09E-04	2.38E-05	2.16E-05	2.98E-06	1.16E-04	1.39E-05	1.20E-05	1.01E-06
547	436952.2	3725181	1.11E-04	2.41E-05	2.19E-05	3.02E-06	1.18E-04	1.40E-05	1.21E-05	1.03E-06
548	436988.4	3725105	1.17E-04	2.53E-05	2.30E-05	3.18E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
549	436992.4	3725096	1.17E-04	2.55E-05	2.32E-05	3.20E-06	1.25E-04	1.48E-05	1.28E-05	1.08E-06
550	436996.5	3725088	1.18E-04	2.56E-05	2.33E-05	3.22E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
551	437000.5	3725079	1.19E-04	2.58E-05	2.35E-05	3.24E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
552	437004.5	3725071	1.20E-04	2.61E-05	2.37E-05	3.27E-06	1.27E-04	1.52E-05	1.31E-05	1.11E-06
553	437008.5	3725062	1.21E-04	2.63E-05	2.39E-05	3.31E-06	1.29E-04	1.53E-05	1.33E-05	1.12E-06
554	437012.6	3725054	1.23E-04	2.66E-05	2.42E-05	3.34E-06	1.30E-04	1.55E-05	1.34E-05	1.13E-06
555	437016.6	3725045	1.24E-04	2.70E-05	2.46E-05	3.39E-06	1.32E-04	1.57E-05	1.36E-05	1.15E-06
556	437020.6	3725037	1.26E-04	2.74E-05	2.49E-05	3.44E-06	1.34E-04	1.60E-05	1.38E-05	1.17E-06

557	437024.7	3725029	1.28E-04	2.78E-05	2.53E-05	3.49E-06	1.36E-04	1.62E-05	1.40E-05	1.18E-06
558	437028.7	3725020	1.29E-04	2.79E-05	2.54E-05	3.51E-06	1.37E-04	1.63E-05	1.41E-05	1.19E-06
559	437032.7	3725012	1.29E-04	2.81E-05	2.55E-05	3.53E-06	1.37E-04	1.64E-05	1.41E-05	1.20E-06
560	437036.7	3725003	1.30E-04	2.82E-05	2.56E-05	3.54E-06	1.38E-04	1.64E-05	1.42E-05	1.20E-06
561	437040.8	3724995	1.30E-04	2.83E-05	2.57E-05	3.55E-06	1.38E-04	1.65E-05	1.42E-05	1.20E-06
562	437044.8	3724986	1.31E-04	2.84E-05	2.58E-05	3.56E-06	1.39E-04	1.65E-05	1.43E-05	1.21E-06
563	437048.8	3724978	1.31E-04	2.84E-05	2.59E-05	3.57E-06	1.39E-04	1.66E-05	1.43E-05	1.21E-06
564	437052.8	3724969	1.31E-04	2.85E-05	2.59E-05	3.58E-06	1.39E-04	1.66E-05	1.43E-05	1.21E-06
565	437056.9	3724961	1.31E-04	2.85E-05	2.59E-05	3.58E-06	1.39E-04	1.66E-05	1.44E-05	1.21E-06
566	437060.9	3724953	1.31E-04	2.85E-05	2.59E-05	3.58E-06	1.40E-04	1.66E-05	1.44E-05	1.21E-06
567	437064.9	3724944	1.31E-04	2.85E-05	2.59E-05	3.58E-06	1.39E-04	1.66E-05	1.44E-05	1.21E-06
568	437068.9	3724936	1.31E-04	2.85E-05	2.59E-05	3.58E-06	1.39E-04	1.66E-05	1.44E-05	1.21E-06
569	437073	3724927	1.31E-04	2.84E-05	2.59E-05	3.57E-06	1.39E-04	1.66E-05	1.43E-05	1.21E-06
570	437077	3724919	1.31E-04	2.84E-05	2.58E-05	3.56E-06	1.39E-04	1.65E-05	1.43E-05	1.21E-06
571	437081	3724910	1.30E-04	2.83E-05	2.57E-05	3.55E-06	1.38E-04	1.65E-05	1.42E-05	1.20E-06
572	437085	3724902	1.30E-04	2.82E-05	2.56E-05	3.54E-06	1.38E-04	1.64E-05	1.42E-05	1.20E-06
573	437089.1	3724893	1.29E-04	2.80E-05	2.55E-05	3.52E-06	1.37E-04	1.63E-05	1.41E-05	1.19E-06
574	437093.1	3724885	1.28E-04	2.79E-05	2.53E-05	3.50E-06	1.36E-04	1.62E-05	1.40E-05	1.19E-06
575	437117.2	3724834	1.22E-04	2.65E-05	2.40E-05	3.32E-06	1.29E-04	1.54E-05	1.33E-05	1.13E-06
576	437121.3	3724826	1.20E-04	2.62E-05	2.38E-05	3.28E-06	1.28E-04	1.52E-05	1.32E-05	1.11E-06
577	437125.3	3724817	1.19E-04	2.58E-05	2.35E-05	3.24E-06	1.26E-04	1.51E-05	1.30E-05	1.10E-06
578	437129.3	3724809	1.17E-04	2.55E-05	2.32E-05	3.20E-06	1.25E-04	1.49E-05	1.28E-05	1.09E-06
579	436993.2	3725487	1.21E-04	2.62E-05	2.38E-05	3.29E-06	1.28E-04	1.53E-05	1.32E-05	1.12E-06
580	436990.1	3725478	1.20E-04	2.60E-05	2.36E-05	3.26E-06	1.27E-04	1.51E-05	1.31E-05	1.11E-06
581	436987	3725470	1.18E-04	2.57E-05	2.34E-05	3.23E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
582	436983.8	3725461	1.18E-04	2.55E-05	2.32E-05	3.21E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
583	436980.7	3725452	1.17E-04	2.53E-05	2.30E-05	3.18E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
584	436977.6	3725443	1.16E-04	2.52E-05	2.29E-05	3.16E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06
585	436974.4	3725434	1.15E-04	2.50E-05	2.27E-05	3.13E-06	1.22E-04	1.45E-05	1.26E-05	1.06E-06
586	436965	3725407	1.13E-04	2.44E-05	2.22E-05	3.07E-06	1.20E-04	1.42E-05	1.23E-05	1.04E-06
587	436961.9	3725399	1.12E-04	2.43E-05	2.20E-05	3.05E-06	1.19E-04	1.41E-05	1.22E-05	1.03E-06
588	436946.3	3725354	1.08E-04	2.34E-05	2.13E-05	2.94E-06	1.14E-04	1.36E-05	1.18E-05	9.96E-07
589	436943.1	3725345	1.07E-04	2.32E-05	2.11E-05	2.92E-06	1.14E-04	1.35E-05	1.17E-05	9.88E-07
590	436940	3725336	1.06E-04	2.30E-05	2.10E-05	2.89E-06	1.13E-04	1.34E-05	1.16E-05	9.81E-07
591	436936.9	3725328	1.05E-04	2.29E-05	2.08E-05	2.87E-06	1.12E-04	1.33E-05	1.15E-05	9.74E-07
592	436933.7	3725319	1.04E-04	2.27E-05	2.06E-05	2.85E-06	1.11E-04	1.32E-05	1.14E-05	9.65E-07
593	436930.6	3725310	1.03E-04	2.24E-05	2.04E-05	2.82E-06	1.10E-04	1.31E-05	1.13E-05	9.56E-07
594	436927.5	3725301	1.02E-04	2.22E-05	2.02E-05	2.79E-06	1.09E-04	1.30E-05	1.12E-05	9.46E-07
595	436924.3	3725292	1.01E-04	2.20E-05	2.00E-05	2.76E-06	1.08E-04	1.28E-05	1.11E-05	9.36E-07
596	436921.2	3725283	1.00E-04	2.17E-05	1.98E-05	2.73E-06	1.06E-04	1.27E-05	1.10E-05	9.26E-07
597	436918.1	3725274	9.91E-05	2.15E-05	1.96E-05	2.70E-06	1.05E-04	1.25E-05	1.08E-05	9.16E-07
598	436914.9	3725266	9.81E-05	2.13E-05	1.94E-05	2.68E-06	1.04E-04	1.24E-05	1.07E-05	9.07E-07
599	436905.5	3725239	9.59E-05	2.08E-05	1.89E-05	2.62E-06	1.02E-04	1.21E-05	1.05E-05	8.87E-07
600	436902.4	3725230	9.52E-05	2.07E-05	1.88E-05	2.60E-06	1.01E-04	1.21E-05	1.04E-05	8.81E-07
601	436899.3	3725221	9.46E-05	2.06E-05	1.87E-05	2.58E-06	1.00E-04	1.20E-05	1.03E-05	8.75E-07
602	436900.2	3725204	9.51E-05	2.07E-05	1.88E-05	2.59E-06	1.01E-04	1.20E-05	1.04E-05	8.80E-07
603	436904.2	3725195	9.61E-05	2.09E-05	1.90E-05	2.62E-06	1.02E-04	1.22E-05	1.05E-05	8.89E-07
604	436908.3	3725187	9.72E-05	2.11E-05	1.92E-05	2.65E-06	1.03E-04	1.23E-05	1.06E-05	8.99E-07
605	436912.3	3725178	9.83E-05	2.13E-05	1.94E-05	2.68E-06	1.04E-04	1.24E-05	1.07E-05	9.09E-07
606	436948.7	3725102	1.04E-04	2.27E-05	2.06E-05	2.85E-06	1.11E-04	1.32E-05	1.14E-05	9.66E-07
607	436952.8	3725093	1.05E-04	2.29E-05	2.08E-05	2.87E-06	1.12E-04	1.33E-05	1.15E-05	9.74E-07
608	436956.8	3725085	1.06E-04	2.30E-05	2.09E-05	2.89E-06	1.13E-04	1.34E-05	1.16E-05	9.81E-07
609	436960.9	3725076	1.07E-04	2.32E-05	2.11E-05	2.91E-06	1.13E-04	1.35E-05	1.17E-05	9.86E-07
610	436964.9	3725068	1.07E-04	2.33E-05	2.12E-05	2.92E-06	1.14E-04	1.36E-05	1.17E-05	9.91E-07
611	436969	3725059	1.08E-04	2.34E-05	2.13E-05	2.94E-06	1.14E-04	1.36E-05	1.18E-05	9.96E-07
612	436973	3725051	1.09E-04	2.36E-05	2.15E-05	2.97E-06	1.15E-04	1.38E-05	1.19E-05	1.01E-06

613	436977.1	3725042	1.10E-04	2.39E-05	2.17E-05	3.00E-06	1.17E-04	1.39E-05	1.20E-05	1.02E-06
614	436981.1	3725034	1.11E-04	2.42E-05	2.20E-05	3.04E-06	1.18E-04	1.41E-05	1.22E-05	1.03E-06
615	436985.2	3725025	1.13E-04	2.45E-05	2.23E-05	3.08E-06	1.20E-04	1.43E-05	1.23E-05	1.04E-06
616	436989.2	3725017	1.14E-04	2.47E-05	2.24E-05	3.10E-06	1.21E-04	1.44E-05	1.24E-05	1.05E-06
617	436993.3	3725009	1.14E-04	2.48E-05	2.26E-05	3.12E-06	1.21E-04	1.45E-05	1.25E-05	1.06E-06
618	436997.3	3725000	1.15E-04	2.50E-05	2.27E-05	3.14E-06	1.22E-04	1.46E-05	1.26E-05	1.06E-06
619	437001.3	3724992	1.15E-04	2.50E-05	2.27E-05	3.14E-06	1.22E-04	1.46E-05	1.26E-05	1.06E-06
620	437005.4	3724983	1.15E-04	2.50E-05	2.27E-05	3.14E-06	1.22E-04	1.46E-05	1.26E-05	1.06E-06
621	437009.4	3724975	1.15E-04	2.49E-05	2.27E-05	3.13E-06	1.22E-04	1.45E-05	1.26E-05	1.06E-06
622	437013.5	3724966	1.15E-04	2.49E-05	2.26E-05	3.12E-06	1.22E-04	1.45E-05	1.25E-05	1.06E-06
623	437017.5	3724958	1.15E-04	2.50E-05	2.27E-05	3.13E-06	1.22E-04	1.45E-05	1.26E-05	1.06E-06
624	437021.6	3724949	1.15E-04	2.51E-05	2.28E-05	3.15E-06	1.23E-04	1.46E-05	1.26E-05	1.07E-06
625	437025.6	3724941	1.16E-04	2.52E-05	2.29E-05	3.16E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06
626	437029.7	3724932	1.17E-04	2.53E-05	2.30E-05	3.18E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
627	437033.7	3724924	1.18E-04	2.56E-05	2.32E-05	3.21E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
628	437037.8	3724915	1.19E-04	2.58E-05	2.35E-05	3.24E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
629	437041.8	3724907	1.19E-04	2.58E-05	2.35E-05	3.24E-06	1.26E-04	1.51E-05	1.30E-05	1.10E-06
630	437045.9	3724898	1.19E-04	2.58E-05	2.34E-05	3.24E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
631	437049.9	3724890	1.18E-04	2.57E-05	2.34E-05	3.23E-06	1.26E-04	1.50E-05	1.29E-05	1.09E-06
632	437053.9	3724881	1.18E-04	2.56E-05	2.33E-05	3.22E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
633	437058	3724873	1.17E-04	2.55E-05	2.32E-05	3.20E-06	1.25E-04	1.49E-05	1.28E-05	1.09E-06
634	437062	3724864	1.17E-04	2.54E-05	2.31E-05	3.19E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
635	437066.1	3724856	1.16E-04	2.52E-05	2.29E-05	3.17E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06
636	437070.1	3724847	1.15E-04	2.50E-05	2.28E-05	3.14E-06	1.22E-04	1.46E-05	1.26E-05	1.07E-06
637	437090.4	3724805	1.10E-04	2.39E-05	2.18E-05	3.00E-06	1.17E-04	1.39E-05	1.20E-05	1.02E-06
638	437094.4	3724796	1.09E-04	2.37E-05	2.15E-05	2.97E-06	1.16E-04	1.38E-05	1.19E-05	1.01E-06
639	437098.5	3724788	1.08E-04	2.34E-05	2.13E-05	2.94E-06	1.14E-04	1.36E-05	1.18E-05	9.95E-07
640	437102.5	3724779	1.06E-04	2.31E-05	2.10E-05	2.90E-06	1.13E-04	1.34E-05	1.16E-05	9.82E-07
641	436956.9	3725495	1.07E-04	2.33E-05	2.11E-05	2.92E-06	1.14E-04	1.36E-05	1.17E-05	9.90E-07
642	436953.7	3725486	1.06E-04	2.31E-05	2.10E-05	2.90E-06	1.13E-04	1.35E-05	1.16E-05	9.83E-07
643	436950.6	3725477	1.05E-04	2.29E-05	2.08E-05	2.88E-06	1.12E-04	1.33E-05	1.15E-05	9.75E-07
644	436947.4	3725469	1.05E-04	2.28E-05	2.07E-05	2.86E-06	1.11E-04	1.33E-05	1.15E-05	9.69E-07
645	436944.3	3725460	1.04E-04	2.26E-05	2.06E-05	2.84E-06	1.11E-04	1.32E-05	1.14E-05	9.63E-07
646	436941.1	3725451	1.03E-04	2.25E-05	2.04E-05	2.82E-06	1.10E-04	1.31E-05	1.13E-05	9.57E-07
647	436938	3725442	1.03E-04	2.23E-05	2.03E-05	2.80E-06	1.09E-04	1.30E-05	1.12E-05	9.51E-07
648	436925.4	3725406	1.00E-04	2.17E-05	1.98E-05	2.73E-06	1.06E-04	1.27E-05	1.10E-05	9.26E-07
649	436922.3	3725397	9.96E-05	2.16E-05	1.97E-05	2.72E-06	1.06E-04	1.26E-05	1.09E-05	9.21E-07
650	436919.1	3725388	9.90E-05	2.15E-05	1.96E-05	2.70E-06	1.05E-04	1.25E-05	1.08E-05	9.16E-07
651	436916	3725379	9.85E-05	2.14E-05	1.94E-05	2.69E-06	1.05E-04	1.25E-05	1.08E-05	9.11E-07
652	436912.8	3725371	9.79E-05	2.13E-05	1.93E-05	2.67E-06	1.04E-04	1.24E-05	1.07E-05	9.05E-07
653	436887.7	3725299	9.16E-05	1.99E-05	1.81E-05	2.50E-06	9.73E-05	1.16E-05	1.00E-05	8.48E-07
654	436884.5	3725290	9.08E-05	1.97E-05	1.79E-05	2.48E-06	9.65E-05	1.15E-05	9.93E-06	8.40E-07
655	436881.4	3725281	8.99E-05	1.95E-05	1.78E-05	2.45E-06	9.55E-05	1.14E-05	9.84E-06	8.32E-07
656	436878.2	3725273	8.91E-05	1.94E-05	1.76E-05	2.43E-06	9.47E-05	1.13E-05	9.75E-06	8.24E-07
657	436865.6	3725237	8.68E-05	1.89E-05	1.71E-05	2.37E-06	9.22E-05	1.10E-05	9.49E-06	8.03E-07
658	436862.5	3725228	8.64E-05	1.88E-05	1.71E-05	2.36E-06	9.18E-05	1.09E-05	9.45E-06	7.99E-07
659	436859.3	3725219	8.60E-05	1.87E-05	1.70E-05	2.35E-06	9.14E-05	1.09E-05	9.41E-06	7.96E-07
660	436860.3	3725202	8.67E-05	1.88E-05	1.71E-05	2.37E-06	9.21E-05	1.10E-05	9.49E-06	8.02E-07
661	436864.3	3725193	8.76E-05	1.90E-05	1.73E-05	2.39E-06	9.30E-05	1.11E-05	9.58E-06	8.10E-07
662	436868.4	3725185	8.85E-05	1.92E-05	1.75E-05	2.41E-06	9.40E-05	1.12E-05	9.68E-06	8.18E-07
663	436900.9	3725116	9.29E-05	2.02E-05	1.83E-05	2.53E-06	9.87E-05	1.18E-05	1.02E-05	8.59E-07
664	436905	3725108	9.34E-05	2.03E-05	1.84E-05	2.55E-06	9.92E-05	1.18E-05	1.02E-05	8.64E-07
665	436909	3725099	9.39E-05	2.04E-05	1.85E-05	2.56E-06	9.97E-05	1.19E-05	1.03E-05	8.68E-07
666	436913.1	3725091	9.44E-05	2.05E-05	1.86E-05	2.58E-06	1.00E-04	1.20E-05	1.03E-05	8.73E-07
667	436917.2	3725082	9.50E-05	2.06E-05	1.88E-05	2.59E-06	1.01E-04	1.20E-05	1.04E-05	8.79E-07
668	436921.2	3725074	9.56E-05	2.08E-05	1.89E-05	2.61E-06	1.02E-04	1.21E-05	1.05E-05	8.84E-07

669	436925.3	3725065	9.62E-05	2.09E-05	1.90E-05	2.62E-06	1.02E-04	1.22E-05	1.05E-05	8.89E-07
670	436929.4	3725057	9.67E-05	2.10E-05	1.91E-05	2.64E-06	1.03E-04	1.23E-05	1.06E-05	8.95E-07
671	436933.4	3725048	9.76E-05	2.12E-05	1.93E-05	2.66E-06	1.04E-04	1.24E-05	1.07E-05	9.02E-07
672	436937.5	3725040	9.84E-05	2.14E-05	1.94E-05	2.68E-06	1.05E-04	1.25E-05	1.08E-05	9.10E-07
673	436941.6	3725031	9.93E-05	2.16E-05	1.96E-05	2.71E-06	1.06E-04	1.26E-05	1.09E-05	9.19E-07
674	436945.6	3725023	1.00E-04	2.18E-05	1.98E-05	2.74E-06	1.07E-04	1.27E-05	1.10E-05	9.28E-07
675	436949.7	3725014	1.01E-04	2.20E-05	2.00E-05	2.76E-06	1.08E-04	1.28E-05	1.11E-05	9.37E-07
676	436953.7	3725005	1.02E-04	2.22E-05	2.02E-05	2.79E-06	1.09E-04	1.30E-05	1.12E-05	9.46E-07
677	436957.8	3724997	1.03E-04	2.24E-05	2.04E-05	2.82E-06	1.10E-04	1.31E-05	1.13E-05	9.55E-07
678	436961.9	3724988	1.03E-04	2.25E-05	2.04E-05	2.82E-06	1.10E-04	1.31E-05	1.13E-05	9.57E-07
679	436965.9	3724980	1.03E-04	2.25E-05	2.04E-05	2.82E-06	1.10E-04	1.31E-05	1.13E-05	9.57E-07
680	436970	3724971	1.03E-04	2.25E-05	2.04E-05	2.82E-06	1.10E-04	1.31E-05	1.13E-05	9.57E-07
681	436974.1	3724963	1.04E-04	2.25E-05	2.05E-05	2.83E-06	1.10E-04	1.31E-05	1.13E-05	9.58E-07
682	436978.1	3724954	1.04E-04	2.26E-05	2.05E-05	2.83E-06	1.10E-04	1.31E-05	1.14E-05	9.60E-07
683	436982.2	3724946	1.04E-04	2.26E-05	2.05E-05	2.84E-06	1.10E-04	1.32E-05	1.14E-05	9.62E-07
684	436986.3	3724937	1.04E-04	2.26E-05	2.06E-05	2.84E-06	1.11E-04	1.32E-05	1.14E-05	9.63E-07
685	436990.3	3724929	1.05E-04	2.29E-05	2.08E-05	2.87E-06	1.12E-04	1.33E-05	1.15E-05	9.74E-07
686	436994.4	3724920	1.07E-04	2.32E-05	2.11E-05	2.91E-06	1.13E-04	1.35E-05	1.17E-05	9.87E-07
687	436998.5	3724912	1.08E-04	2.35E-05	2.14E-05	2.95E-06	1.15E-04	1.37E-05	1.18E-05	1.00E-06
688	437002.5	3724903	1.09E-04	2.37E-05	2.16E-05	2.98E-06	1.16E-04	1.38E-05	1.19E-05	1.01E-06
689	437006.6	3724895	1.09E-04	2.37E-05	2.15E-05	2.98E-06	1.16E-04	1.38E-05	1.19E-05	1.01E-06
690	437010.7	3724886	1.09E-04	2.37E-05	2.15E-05	2.97E-06	1.16E-04	1.38E-05	1.19E-05	1.01E-06
691	437014.7	3724878	1.09E-04	2.36E-05	2.15E-05	2.96E-06	1.15E-04	1.38E-05	1.19E-05	1.01E-06
692	437018.8	3724869	1.08E-04	2.35E-05	2.14E-05	2.96E-06	1.15E-04	1.37E-05	1.19E-05	1.00E-06
693	437022.9	3724860	1.08E-04	2.35E-05	2.13E-05	2.95E-06	1.15E-04	1.37E-05	1.18E-05	9.98E-07
694	437026.9	3724852	1.08E-04	2.34E-05	2.12E-05	2.93E-06	1.14E-04	1.36E-05	1.18E-05	9.94E-07
695	437059.4	3724784	1.01E-04	2.20E-05	2.00E-05	2.77E-06	1.08E-04	1.28E-05	1.11E-05	9.38E-07
696	437063.5	3724775	1.00E-04	2.18E-05	1.98E-05	2.74E-06	1.07E-04	1.27E-05	1.10E-05	9.29E-07
697	437067.6	3724767	9.93E-05	2.16E-05	1.96E-05	2.71E-06	1.06E-04	1.26E-05	1.09E-05	9.19E-07
698	437071.6	3724758	9.81E-05	2.13E-05	1.94E-05	2.68E-06	1.04E-04	1.24E-05	1.07E-05	9.07E-07
699	437075.7	3724750	9.69E-05	2.11E-05	1.91E-05	2.64E-06	1.03E-04	1.23E-05	1.06E-05	8.96E-07
700	436918.7	3725498	9.66E-05	2.10E-05	1.91E-05	2.63E-06	1.03E-04	1.22E-05	1.06E-05	8.93E-07
701	436915.6	3725489	9.58E-05	2.08E-05	1.89E-05	2.61E-06	1.02E-04	1.21E-05	1.05E-05	8.86E-07
702	436912.5	3725481	9.51E-05	2.07E-05	1.88E-05	2.60E-06	1.01E-04	1.20E-05	1.04E-05	8.80E-07
703	436909.4	3725472	9.45E-05	2.05E-05	1.87E-05	2.58E-06	1.00E-04	1.20E-05	1.03E-05	8.74E-07
704	436906.3	3725463	9.39E-05	2.04E-05	1.85E-05	2.56E-06	9.97E-05	1.19E-05	1.03E-05	8.68E-07
705	436903.2	3725454	9.33E-05	2.03E-05	1.84E-05	2.55E-06	9.91E-05	1.18E-05	1.02E-05	8.63E-07
706	436900.1	3725446	9.27E-05	2.01E-05	1.83E-05	2.53E-06	9.85E-05	1.17E-05	1.01E-05	8.57E-07
707	436893.9	3725428	9.17E-05	1.99E-05	1.81E-05	2.50E-06	9.74E-05	1.16E-05	1.00E-05	8.48E-07
708	436890.8	3725419	9.13E-05	1.98E-05	1.80E-05	2.49E-06	9.69E-05	1.16E-05	9.98E-06	8.44E-07
709	436887.7	3725410	9.08E-05	1.97E-05	1.79E-05	2.48E-06	9.64E-05	1.15E-05	9.93E-06	8.39E-07
710	436884.6	3725402	9.03E-05	1.96E-05	1.78E-05	2.46E-06	9.59E-05	1.14E-05	9.88E-06	8.35E-07
711	436881.5	3725393	8.98E-05	1.95E-05	1.77E-05	2.45E-06	9.54E-05	1.14E-05	9.83E-06	8.31E-07
712	436878.4	3725384	8.94E-05	1.94E-05	1.76E-05	2.44E-06	9.49E-05	1.13E-05	9.77E-06	8.26E-07
713	436875.3	3725375	8.88E-05	1.93E-05	1.75E-05	2.42E-06	9.43E-05	1.12E-05	9.71E-06	8.21E-07
714	436872.2	3725366	8.82E-05	1.92E-05	1.74E-05	2.41E-06	9.37E-05	1.12E-05	9.65E-06	8.16E-07
715	436869	3725358	8.77E-05	1.90E-05	1.73E-05	2.39E-06	9.31E-05	1.11E-05	9.59E-06	8.11E-07
716	436865.9	3725349	8.70E-05	1.89E-05	1.72E-05	2.37E-06	9.24E-05	1.10E-05	9.52E-06	8.05E-07
717	436862.8	3725340	8.64E-05	1.88E-05	1.71E-05	2.36E-06	9.18E-05	1.09E-05	9.45E-06	7.99E-07
718	436859.7	3725331	8.58E-05	1.86E-05	1.69E-05	2.34E-06	9.11E-05	1.09E-05	9.38E-06	7.93E-07
719	436856.6	3725322	8.51E-05	1.85E-05	1.68E-05	2.32E-06	9.04E-05	1.08E-05	9.31E-06	7.87E-07
720	436853.5	3725314	8.45E-05	1.84E-05	1.67E-05	2.31E-06	8.97E-05	1.07E-05	9.24E-06	7.81E-07
721	436850.4	3725305	8.39E-05	1.82E-05	1.66E-05	2.29E-06	8.91E-05	1.06E-05	9.17E-06	7.76E-07
722	436847.3	3725296	8.32E-05	1.81E-05	1.64E-05	2.27E-06	8.84E-05	1.05E-05	9.10E-06	7.70E-07
723	436844.2	3725287	8.26E-05	1.79E-05	1.63E-05	2.25E-06	8.77E-05	1.05E-05	9.04E-06	7.64E-07
724	436841.1	3725278	8.20E-05	1.78E-05	1.62E-05	2.24E-06	8.71E-05	1.04E-05	8.97E-06	7.58E-07

725	436838	3725270	8.14E-05	1.77E-05	1.61E-05	2.22E-06	8.64E-05	1.03E-05	8.90E-06	7.53E-07
726	436828.7	3725243	7.97E-05	1.73E-05	1.57E-05	2.18E-06	8.47E-05	1.01E-05	8.72E-06	7.37E-07
727	436825.6	3725234	7.92E-05	1.72E-05	1.57E-05	2.16E-06	8.42E-05	1.00E-05	8.67E-06	7.33E-07
728	436822.5	3725226	7.88E-05	1.71E-05	1.56E-05	2.15E-06	8.38E-05	9.98E-06	8.63E-06	7.29E-07
729	436819.4	3725217	7.85E-05	1.70E-05	1.55E-05	2.14E-06	8.33E-05	9.93E-06	8.58E-06	7.26E-07
730	436820.3	3725200	7.88E-05	1.71E-05	1.56E-05	2.15E-06	8.37E-05	9.97E-06	8.61E-06	7.28E-07
731	436824.3	3725191	7.95E-05	1.73E-05	1.57E-05	2.17E-06	8.44E-05	1.01E-05	8.69E-06	7.35E-07
732	436828.3	3725183	8.02E-05	1.74E-05	1.58E-05	2.19E-06	8.52E-05	1.02E-05	8.77E-06	7.42E-07
733	436876.4	3725082	8.62E-05	1.87E-05	1.70E-05	2.35E-06	9.16E-05	1.09E-05	9.43E-06	7.97E-07
734	436880.4	3725073	8.67E-05	1.88E-05	1.71E-05	2.37E-06	9.21E-05	1.10E-05	9.49E-06	8.02E-07
735	436884.5	3725065	8.73E-05	1.90E-05	1.72E-05	2.38E-06	9.27E-05	1.10E-05	9.55E-06	8.07E-07
736	436888.5	3725057	8.78E-05	1.91E-05	1.73E-05	2.40E-06	9.33E-05	1.11E-05	9.60E-06	8.12E-07
737	436892.5	3725048	8.84E-05	1.92E-05	1.75E-05	2.41E-06	9.39E-05	1.12E-05	9.67E-06	8.17E-07
738	437032.9	3724753	9.30E-05	2.02E-05	1.84E-05	2.54E-06	9.88E-05	1.18E-05	1.02E-05	8.60E-07
739	437036.9	3724745	9.21E-05	2.00E-05	1.82E-05	2.51E-06	9.78E-05	1.17E-05	1.01E-05	8.52E-07
740	437040.9	3724737	9.11E-05	1.98E-05	1.80E-05	2.49E-06	9.68E-05	1.15E-05	9.97E-06	8.43E-07
741	437044.9	3724728	9.01E-05	1.96E-05	1.78E-05	2.46E-06	9.57E-05	1.14E-05	9.85E-06	8.33E-07
742	437049	3724720	8.90E-05	1.93E-05	1.76E-05	2.43E-06	9.46E-05	1.13E-05	9.74E-06	8.23E-07
743	436848.1	3725409	8.24E-05	1.79E-05	1.63E-05	2.25E-06	8.76E-05	1.04E-05	9.02E-06	7.63E-07
744	436844.9	3725400	8.20E-05	1.78E-05	1.62E-05	2.24E-06	8.71E-05	1.04E-05	8.97E-06	7.59E-07
745	436841.8	3725391	8.15E-05	1.77E-05	1.61E-05	2.22E-06	8.66E-05	1.03E-05	8.92E-06	7.54E-07
746	436838.7	3725383	8.11E-05	1.76E-05	1.60E-05	2.21E-06	8.61E-05	1.03E-05	8.87E-06	7.50E-07
747	436835.6	3725374	8.07E-05	1.75E-05	1.59E-05	2.20E-06	8.57E-05	1.02E-05	8.83E-06	7.46E-07
748	436832.5	3725365	8.03E-05	1.74E-05	1.59E-05	2.19E-06	8.53E-05	1.02E-05	8.78E-06	7.42E-07
749	436829.3	3725356	7.99E-05	1.74E-05	1.58E-05	2.18E-06	8.48E-05	1.01E-05	8.74E-06	7.39E-07
750	436826.2	3725347	7.94E-05	1.72E-05	1.57E-05	2.17E-06	8.43E-05	1.01E-05	8.68E-06	7.34E-07
751	436823.1	3725338	7.89E-05	1.71E-05	1.56E-05	2.15E-06	8.38E-05	9.99E-06	8.63E-06	7.30E-07
752	436820	3725330	7.84E-05	1.70E-05	1.55E-05	2.14E-06	8.33E-05	9.93E-06	8.58E-06	7.25E-07
753	436816.9	3725321	7.79E-05	1.69E-05	1.54E-05	2.12E-06	8.27E-05	9.86E-06	8.52E-06	7.20E-07
754	436813.7	3725312	7.73E-05	1.68E-05	1.53E-05	2.11E-06	8.22E-05	9.79E-06	8.46E-06	7.15E-07
755	436810.6	3725303	7.68E-05	1.67E-05	1.52E-05	2.09E-06	8.15E-05	9.72E-06	8.40E-06	7.10E-07
756	436807.5	3725294	7.62E-05	1.66E-05	1.51E-05	2.08E-06	8.10E-05	9.65E-06	8.34E-06	7.05E-07
757	436804.4	3725285	7.57E-05	1.65E-05	1.50E-05	2.07E-06	8.04E-05	9.59E-06	8.28E-06	7.00E-07
758	436801.3	3725277	7.53E-05	1.64E-05	1.49E-05	2.05E-06	8.00E-05	9.53E-06	8.24E-06	6.96E-07
759	436798.1	3725268	7.48E-05	1.63E-05	1.48E-05	2.04E-06	7.95E-05	9.47E-06	8.18E-06	6.92E-07
760	436795	3725259	7.44E-05	1.62E-05	1.47E-05	2.03E-06	7.90E-05	9.42E-06	8.14E-06	6.88E-07
761	436791.9	3725250	7.39E-05	1.61E-05	1.46E-05	2.02E-06	7.85E-05	9.36E-06	8.09E-06	6.84E-07
762	436788.8	3725241	7.35E-05	1.60E-05	1.45E-05	2.01E-06	7.81E-05	9.31E-06	8.05E-06	6.80E-07
763	436785.7	3725232	7.32E-05	1.59E-05	1.44E-05	2.00E-06	7.77E-05	9.26E-06	8.00E-06	6.77E-07
764	436782.5	3725224	7.27E-05	1.58E-05	1.44E-05	1.98E-06	7.72E-05	9.21E-06	7.96E-06	6.73E-07
765	436779.4	3725215	7.23E-05	1.57E-05	1.43E-05	1.97E-06	7.68E-05	9.16E-06	7.91E-06	6.69E-07
766	436780.3	3725198	7.24E-05	1.57E-05	1.43E-05	1.97E-06	7.69E-05	9.16E-06	7.92E-06	6.69E-07
767	436816.6	3725121	7.70E-05	1.67E-05	1.52E-05	2.10E-06	8.18E-05	9.76E-06	8.43E-06	7.13E-07
768	436820.6	3725113	7.75E-05	1.68E-05	1.53E-05	2.11E-06	8.23E-05	9.81E-06	8.48E-06	7.17E-07
769	436824.7	3725105	7.78E-05	1.69E-05	1.54E-05	2.12E-06	8.26E-05	9.85E-06	8.51E-06	7.19E-07
770	436828.7	3725096	7.81E-05	1.70E-05	1.54E-05	2.13E-06	8.29E-05	9.89E-06	8.54E-06	7.22E-07
771	436832.7	3725088	7.84E-05	1.70E-05	1.55E-05	2.14E-06	8.32E-05	9.92E-06	8.57E-06	7.25E-07
772	436836.8	3725079	7.88E-05	1.71E-05	1.56E-05	2.15E-06	8.38E-05	9.98E-06	8.63E-06	7.29E-07
773	436840.8	3725071	7.94E-05	1.72E-05	1.57E-05	2.17E-06	8.43E-05	1.01E-05	8.68E-06	7.34E-07
774	436844.8	3725062	7.99E-05	1.74E-05	1.58E-05	2.18E-06	8.49E-05	1.01E-05	8.74E-06	7.39E-07
775	436848.8	3725054	8.05E-05	1.75E-05	1.59E-05	2.20E-06	8.55E-05	1.02E-05	8.80E-06	7.44E-07
776	437010	3724715	8.50E-05	1.85E-05	1.68E-05	2.32E-06	9.03E-05	1.08E-05	9.30E-06	7.86E-07
777	437014.1	3724707	8.41E-05	1.83E-05	1.66E-05	2.29E-06	8.93E-05	1.06E-05	9.20E-06	7.78E-07
778	437018.1	3724699	8.32E-05	1.81E-05	1.64E-05	2.27E-06	8.84E-05	1.05E-05	9.10E-06	7.70E-07
779	437022.1	3724690	8.23E-05	1.79E-05	1.62E-05	2.24E-06	8.74E-05	1.04E-05	9.00E-06	7.61E-07
780	436846	3725514	8.07E-05	1.75E-05	1.59E-05	2.20E-06	8.57E-05	1.02E-05	8.83E-06	7.46E-07

781	436842.9	3725505	8.02E-05	1.74E-05	1.58E-05	2.19E-06	8.52E-05	1.02E-05	8.77E-06	7.42E-07
782	436839.7	3725497	7.97E-05	1.73E-05	1.57E-05	2.18E-06	8.47E-05	1.01E-05	8.72E-06	7.37E-07
783	436836.6	3725488	7.92E-05	1.72E-05	1.57E-05	2.16E-06	8.42E-05	1.00E-05	8.67E-06	7.33E-07
784	436833.5	3725479	7.88E-05	1.71E-05	1.56E-05	2.15E-06	8.37E-05	9.97E-06	8.61E-06	7.28E-07
785	436830.3	3725470	7.83E-05	1.70E-05	1.55E-05	2.14E-06	8.32E-05	9.92E-06	8.57E-06	7.24E-07
786	436824.1	3725452	7.74E-05	1.68E-05	1.53E-05	2.11E-06	8.22E-05	9.80E-06	8.47E-06	7.16E-07
787	436789.6	3725355	7.36E-05	1.60E-05	1.45E-05	2.01E-06	7.82E-05	9.32E-06	8.06E-06	6.81E-07
788	436786.5	3725346	7.33E-05	1.59E-05	1.45E-05	2.00E-06	7.78E-05	9.28E-06	8.01E-06	6.78E-07
789	436783.3	3725337	7.29E-05	1.58E-05	1.44E-05	1.99E-06	7.74E-05	9.23E-06	7.97E-06	6.74E-07
790	436780.2	3725328	7.24E-05	1.57E-05	1.43E-05	1.98E-06	7.69E-05	9.17E-06	7.92E-06	6.70E-07
791	436777.1	3725319	7.19E-05	1.56E-05	1.42E-05	1.96E-06	7.64E-05	9.11E-06	7.87E-06	6.65E-07
792	436773.9	3725310	7.15E-05	1.55E-05	1.41E-05	1.95E-06	7.59E-05	9.05E-06	7.82E-06	6.61E-07
793	436770.8	3725301	7.09E-05	1.54E-05	1.40E-05	1.93E-06	7.53E-05	8.98E-06	7.76E-06	6.56E-07
794	436767.7	3725293	7.04E-05	1.53E-05	1.39E-05	1.92E-06	7.48E-05	8.92E-06	7.70E-06	6.51E-07
795	436764.6	3725284	7.00E-05	1.52E-05	1.38E-05	1.91E-06	7.44E-05	8.86E-06	7.66E-06	6.47E-07
796	436761.4	3725275	6.96E-05	1.51E-05	1.37E-05	1.90E-06	7.39E-05	8.81E-06	7.61E-06	6.43E-07
797	436758.3	3725266	6.91E-05	1.50E-05	1.37E-05	1.89E-06	7.34E-05	8.75E-06	7.56E-06	6.39E-07
798	436755.2	3725257	6.87E-05	1.49E-05	1.36E-05	1.87E-06	7.30E-05	8.70E-06	7.51E-06	6.35E-07
799	436752	3725248	6.83E-05	1.48E-05	1.35E-05	1.86E-06	7.25E-05	8.65E-06	7.47E-06	6.32E-07
800	436748.9	3725239	6.79E-05	1.47E-05	1.34E-05	1.85E-06	7.21E-05	8.59E-06	7.42E-06	6.28E-07
801	436745.8	3725230	6.75E-05	1.47E-05	1.33E-05	1.84E-06	7.17E-05	8.54E-06	7.38E-06	6.24E-07
802	436742.6	3725222	6.71E-05	1.46E-05	1.32E-05	1.83E-06	7.13E-05	8.49E-06	7.34E-06	6.20E-07
803	436739.5	3725213	6.66E-05	1.45E-05	1.32E-05	1.82E-06	7.08E-05	8.44E-06	7.29E-06	6.16E-07
804	436740.4	3725195	6.66E-05	1.45E-05	1.32E-05	1.82E-06	7.08E-05	8.44E-06	7.29E-06	6.16E-07
805	436772.8	3725127	7.03E-05	1.53E-05	1.39E-05	1.92E-06	7.47E-05	8.91E-06	7.69E-06	6.51E-07
806	436776.8	3725119	7.09E-05	1.54E-05	1.40E-05	1.93E-06	7.53E-05	8.97E-06	7.75E-06	6.55E-07
807	436780.9	3725110	7.14E-05	1.55E-05	1.41E-05	1.95E-06	7.58E-05	9.04E-06	7.81E-06	6.60E-07
808	436784.9	3725102	7.19E-05	1.56E-05	1.42E-05	1.96E-06	7.64E-05	9.10E-06	7.86E-06	6.65E-07
809	436789	3725093	7.23E-05	1.57E-05	1.43E-05	1.97E-06	7.68E-05	9.16E-06	7.91E-06	6.69E-07
810	436793	3725085	7.28E-05	1.58E-05	1.44E-05	1.99E-06	7.73E-05	9.21E-06	7.96E-06	6.73E-07
811	436797.1	3725077	7.32E-05	1.59E-05	1.44E-05	2.00E-06	7.77E-05	9.26E-06	8.00E-06	6.77E-07
812	436801.1	3725068	7.36E-05	1.60E-05	1.45E-05	2.01E-06	7.82E-05	9.32E-06	8.05E-06	6.81E-07
813	436805.2	3725060	7.40E-05	1.61E-05	1.46E-05	2.02E-06	7.86E-05	9.37E-06	8.10E-06	6.85E-07
814	436809.2	3725051	7.46E-05	1.62E-05	1.47E-05	2.03E-06	7.92E-05	9.44E-06	8.16E-06	6.90E-07
815	436813.2	3725043	7.52E-05	1.63E-05	1.48E-05	2.05E-06	7.98E-05	9.52E-06	8.22E-06	6.95E-07
816	436817.3	3725034	7.57E-05	1.65E-05	1.50E-05	2.07E-06	8.04E-05	9.59E-06	8.28E-06	7.00E-07
817	436787.6	3725460	7.21E-05	1.57E-05	1.42E-05	1.97E-06	7.66E-05	9.13E-06	7.89E-06	6.67E-07
818	436784.4	3725451	7.19E-05	1.56E-05	1.42E-05	1.96E-06	7.64E-05	9.11E-06	7.87E-06	6.65E-07
819	436781.3	3725442	7.17E-05	1.56E-05	1.42E-05	1.96E-06	7.62E-05	9.08E-06	7.84E-06	6.63E-07
820	436753	3725362	6.93E-05	1.50E-05	1.37E-05	1.89E-06	7.36E-05	8.77E-06	7.58E-06	6.41E-07
821	436749.9	3725353	6.88E-05	1.49E-05	1.36E-05	1.88E-06	7.31E-05	8.71E-06	7.52E-06	6.36E-07
822	436746.7	3725344	6.83E-05	1.48E-05	1.35E-05	1.86E-06	7.25E-05	8.65E-06	7.47E-06	6.32E-07
823	436743.6	3725335	6.78E-05	1.47E-05	1.34E-05	1.85E-06	7.20E-05	8.59E-06	7.42E-06	6.27E-07
824	436740.4	3725326	6.74E-05	1.46E-05	1.33E-05	1.84E-06	7.16E-05	8.53E-06	7.37E-06	6.23E-07
825	436737.3	3725318	6.69E-05	1.45E-05	1.32E-05	1.82E-06	7.10E-05	8.47E-06	7.32E-06	6.19E-07
826	436734.1	3725309	6.63E-05	1.44E-05	1.31E-05	1.81E-06	7.05E-05	8.40E-06	7.26E-06	6.14E-07
827	436731	3725300	6.59E-05	1.43E-05	1.30E-05	1.80E-06	7.00E-05	8.34E-06	7.20E-06	6.09E-07
828	436727.9	3725291	6.54E-05	1.42E-05	1.29E-05	1.78E-06	6.94E-05	8.28E-06	7.15E-06	6.05E-07
829	436724.7	3725282	6.49E-05	1.41E-05	1.28E-05	1.77E-06	6.90E-05	8.22E-06	7.10E-06	6.01E-07
830	436721.6	3725273	6.45E-05	1.40E-05	1.27E-05	1.76E-06	6.85E-05	8.17E-06	7.06E-06	5.97E-07
831	436718.4	3725264	6.41E-05	1.39E-05	1.27E-05	1.75E-06	6.81E-05	8.12E-06	7.01E-06	5.93E-07
832	436715.3	3725255	6.38E-05	1.39E-05	1.26E-05	1.74E-06	6.77E-05	8.07E-06	6.98E-06	5.90E-07
833	436712.1	3725246	6.34E-05	1.38E-05	1.25E-05	1.73E-06	6.74E-05	8.03E-06	6.94E-06	5.87E-07
834	436709	3725237	6.31E-05	1.37E-05	1.25E-05	1.72E-06	6.70E-05	7.99E-06	6.90E-06	5.84E-07
835	436705.8	3725228	6.27E-05	1.36E-05	1.24E-05	1.71E-06	6.66E-05	7.94E-06	6.86E-06	5.80E-07
836	436702.7	3725220	6.24E-05	1.35E-05	1.23E-05	1.70E-06	6.62E-05	7.90E-06	6.82E-06	5.77E-07

837	436699.6	3725211	6.20E-05	1.35E-05	1.22E-05	1.69E-06	6.58E-05	7.85E-06	6.78E-06	5.73E-07
838	436700.5	3725193	6.20E-05	1.35E-05	1.22E-05	1.69E-06	6.59E-05	7.85E-06	6.78E-06	5.74E-07
839	436728.9	3725134	6.50E-05	1.41E-05	1.28E-05	1.77E-06	6.90E-05	8.23E-06	7.11E-06	6.01E-07
840	436733	3725125	6.54E-05	1.42E-05	1.29E-05	1.79E-06	6.95E-05	8.28E-06	7.16E-06	6.05E-07
841	436737	3725117	6.58E-05	1.43E-05	1.30E-05	1.80E-06	6.99E-05	8.33E-06	7.20E-06	6.09E-07
842	436741.1	3725108	6.65E-05	1.44E-05	1.31E-05	1.81E-06	7.06E-05	8.42E-06	7.27E-06	6.15E-07
843	436745.2	3725100	6.72E-05	1.46E-05	1.33E-05	1.83E-06	7.14E-05	8.51E-06	7.35E-06	6.21E-07
844	436749.2	3725091	6.79E-05	1.47E-05	1.34E-05	1.85E-06	7.21E-05	8.59E-06	7.42E-06	6.28E-07
845	436753.3	3725082	6.84E-05	1.49E-05	1.35E-05	1.87E-06	7.26E-05	8.66E-06	7.48E-06	6.33E-07
846	436757.3	3725074	6.88E-05	1.49E-05	1.36E-05	1.88E-06	7.31E-05	8.71E-06	7.52E-06	6.36E-07
847	436759.1	3725490	6.88E-05	1.49E-05	1.36E-05	1.88E-06	7.31E-05	8.71E-06	7.52E-06	6.36E-07
848	436756	3725482	6.86E-05	1.49E-05	1.35E-05	1.87E-06	7.29E-05	8.68E-06	7.50E-06	6.34E-07
849	436752.9	3725473	6.84E-05	1.49E-05	1.35E-05	1.87E-06	7.27E-05	8.67E-06	7.49E-06	6.33E-07
850	436749.8	3725464	6.84E-05	1.49E-05	1.35E-05	1.87E-06	7.26E-05	8.66E-06	7.48E-06	6.33E-07
851	436746.7	3725455	6.83E-05	1.48E-05	1.35E-05	1.86E-06	7.26E-05	8.65E-06	7.48E-06	6.32E-07
852	436743.6	3725446	6.83E-05	1.48E-05	1.35E-05	1.86E-06	7.26E-05	8.65E-06	7.48E-06	6.32E-07
853	436740.5	3725437	6.81E-05	1.48E-05	1.35E-05	1.86E-06	7.24E-05	8.63E-06	7.45E-06	6.30E-07
854	436737.3	3725429	6.80E-05	1.48E-05	1.34E-05	1.85E-06	7.22E-05	8.60E-06	7.43E-06	6.29E-07
855	436712.5	3725358	6.46E-05	1.40E-05	1.28E-05	1.76E-06	6.87E-05	8.19E-06	7.07E-06	5.98E-07
856	436709.3	3725349	6.42E-05	1.40E-05	1.27E-05	1.75E-06	6.82E-05	8.13E-06	7.02E-06	5.94E-07
857	436706.2	3725341	6.38E-05	1.39E-05	1.26E-05	1.74E-06	6.77E-05	8.07E-06	6.98E-06	5.90E-07
858	436703.1	3725332	6.33E-05	1.38E-05	1.25E-05	1.73E-06	6.73E-05	8.02E-06	6.93E-06	5.86E-07
859	436700	3725323	6.29E-05	1.37E-05	1.24E-05	1.72E-06	6.68E-05	7.96E-06	6.88E-06	5.82E-07
860	436696.9	3725314	6.24E-05	1.36E-05	1.23E-05	1.70E-06	6.63E-05	7.90E-06	6.83E-06	5.77E-07
861	436693.8	3725305	6.20E-05	1.35E-05	1.22E-05	1.69E-06	6.58E-05	7.85E-06	6.78E-06	5.73E-07
862	436690.7	3725297	6.15E-05	1.34E-05	1.21E-05	1.68E-06	6.53E-05	7.79E-06	6.73E-06	5.69E-07
863	436687.6	3725288	6.11E-05	1.33E-05	1.21E-05	1.67E-06	6.49E-05	7.74E-06	6.68E-06	5.65E-07
864	436684.5	3725279	6.08E-05	1.32E-05	1.20E-05	1.66E-06	6.45E-05	7.69E-06	6.65E-06	5.62E-07
865	436681.4	3725270	6.04E-05	1.31E-05	1.19E-05	1.65E-06	6.41E-05	7.64E-06	6.60E-06	5.58E-07
866	436678.2	3725261	6.00E-05	1.30E-05	1.19E-05	1.64E-06	6.38E-05	7.60E-06	6.57E-06	5.55E-07
867	436675.1	3725253	5.97E-05	1.30E-05	1.18E-05	1.63E-06	6.34E-05	7.56E-06	6.53E-06	5.52E-07
868	436672	3725244	5.94E-05	1.29E-05	1.17E-05	1.62E-06	6.31E-05	7.52E-06	6.50E-06	5.49E-07
869	436688.6	3725132	6.10E-05	1.33E-05	1.20E-05	1.66E-06	6.48E-05	7.72E-06	6.67E-06	5.64E-07
870	436692.6	3725124	6.14E-05	1.33E-05	1.21E-05	1.68E-06	6.53E-05	7.78E-06	6.72E-06	5.68E-07
871	436696.7	3725115	6.18E-05	1.34E-05	1.22E-05	1.69E-06	6.57E-05	7.83E-06	6.76E-06	5.72E-07
872	436700.7	3725107	6.23E-05	1.35E-05	1.23E-05	1.70E-06	6.61E-05	7.88E-06	6.81E-06	5.76E-07
873	436704.7	3725098	6.28E-05	1.36E-05	1.24E-05	1.71E-06	6.67E-05	7.95E-06	6.87E-06	5.81E-07
874	436708.7	3725090	6.34E-05	1.38E-05	1.25E-05	1.73E-06	6.74E-05	8.03E-06	6.94E-06	5.87E-07
875	436712.7	3725082	6.41E-05	1.39E-05	1.27E-05	1.75E-06	6.81E-05	8.12E-06	7.01E-06	5.93E-07
876	436788.2	3725684	7.44E-05	1.62E-05	1.47E-05	2.03E-06	7.91E-05	9.42E-06	8.14E-06	6.88E-07
877	436785.1	3725675	7.39E-05	1.61E-05	1.46E-05	2.02E-06	7.85E-05	9.36E-06	8.08E-06	6.83E-07
878	436782	3725666	7.34E-05	1.59E-05	1.45E-05	2.00E-06	7.80E-05	9.29E-06	8.03E-06	6.79E-07
879	436778.9	3725657	7.29E-05	1.58E-05	1.44E-05	1.99E-06	7.75E-05	9.23E-06	7.98E-06	6.74E-07
880	436772.6	3725640	7.13E-05	1.55E-05	1.41E-05	1.95E-06	7.57E-05	9.03E-06	7.80E-06	6.60E-07
881	436769.5	3725631	7.06E-05	1.53E-05	1.39E-05	1.93E-06	7.50E-05	8.94E-06	7.73E-06	6.53E-07
882	436766.4	3725622	7.01E-05	1.52E-05	1.39E-05	1.91E-06	7.45E-05	8.88E-06	7.67E-06	6.49E-07
883	436763.2	3725613	6.98E-05	1.52E-05	1.38E-05	1.90E-06	7.41E-05	8.83E-06	7.63E-06	6.45E-07
884	436760.1	3725604	6.94E-05	1.51E-05	1.37E-05	1.89E-06	7.37E-05	8.79E-06	7.59E-06	6.42E-07
885	436757	3725595	6.90E-05	1.50E-05	1.36E-05	1.88E-06	7.33E-05	8.74E-06	7.55E-06	6.38E-07
886	436753.9	3725587	6.86E-05	1.49E-05	1.35E-05	1.87E-06	7.29E-05	8.68E-06	7.50E-06	6.34E-07
887	436750.8	3725578	6.82E-05	1.48E-05	1.35E-05	1.86E-06	7.24E-05	8.63E-06	7.46E-06	6.31E-07
888	436747.6	3725569	6.78E-05	1.47E-05	1.34E-05	1.85E-06	7.20E-05	8.59E-06	7.42E-06	6.27E-07
889	436744.5	3725560	6.74E-05	1.46E-05	1.33E-05	1.84E-06	7.16E-05	8.54E-06	7.38E-06	6.24E-07
890	436741.4	3725551	6.71E-05	1.46E-05	1.32E-05	1.83E-06	7.13E-05	8.49E-06	7.34E-06	6.20E-07
891	436716.4	3725480	6.52E-05	1.42E-05	1.29E-05	1.78E-06	6.93E-05	8.26E-06	7.14E-06	6.03E-07
892	436713.3	3725472	6.52E-05	1.42E-05	1.29E-05	1.78E-06	6.92E-05	8.25E-06	7.13E-06	6.03E-07

893	436710.2	3725463	6.51E-05	1.42E-05	1.29E-05	1.78E-06	6.92E-05	8.25E-06	7.12E-06	6.02E-07
894	436707.1	3725454	6.51E-05	1.41E-05	1.29E-05	1.78E-06	6.91E-05	8.24E-06	7.12E-06	6.02E-07
895	436703.9	3725445	6.51E-05	1.42E-05	1.29E-05	1.78E-06	6.92E-05	8.25E-06	7.12E-06	6.02E-07
896	436700.8	3725436	6.51E-05	1.41E-05	1.29E-05	1.78E-06	6.91E-05	8.24E-06	7.12E-06	6.02E-07
897	436697.7	3725427	6.50E-05	1.41E-05	1.28E-05	1.77E-06	6.91E-05	8.23E-06	7.11E-06	6.01E-07
898	436694.6	3725419	6.49E-05	1.41E-05	1.28E-05	1.77E-06	6.89E-05	8.22E-06	7.10E-06	6.00E-07
899	436691.4	3725410	6.44E-05	1.40E-05	1.27E-05	1.76E-06	6.84E-05	8.15E-06	7.04E-06	5.95E-07
900	436632.1	3725242	5.58E-05	1.21E-05	1.10E-05	1.52E-06	5.93E-05	7.07E-06	6.11E-06	5.16E-07
901	436664.9	3725096	5.84E-05	1.27E-05	1.15E-05	1.59E-06	6.21E-05	7.40E-06	6.39E-06	5.40E-07
902	436764.5	3725728	7.05E-05	1.53E-05	1.39E-05	1.92E-06	7.49E-05	8.93E-06	7.72E-06	6.52E-07
903	436761.4	3725719	7.05E-05	1.53E-05	1.39E-05	1.92E-06	7.49E-05	8.92E-06	7.71E-06	6.52E-07
904	436758.2	3725710	7.04E-05	1.53E-05	1.39E-05	1.92E-06	7.48E-05	8.92E-06	7.70E-06	6.51E-07
905	436755.1	3725701	7.04E-05	1.53E-05	1.39E-05	1.92E-06	7.48E-05	8.92E-06	7.70E-06	6.51E-07
906	436752	3725692	7.04E-05	1.53E-05	1.39E-05	1.92E-06	7.48E-05	8.92E-06	7.70E-06	6.51E-07
907	436748.8	3725683	7.01E-05	1.52E-05	1.38E-05	1.91E-06	7.45E-05	8.88E-06	7.67E-06	6.48E-07
908	436745.7	3725674	6.95E-05	1.51E-05	1.37E-05	1.90E-06	7.38E-05	8.80E-06	7.60E-06	6.43E-07
909	436742.6	3725666	6.88E-05	1.50E-05	1.36E-05	1.88E-06	7.31E-05	8.72E-06	7.53E-06	6.37E-07
910	436739.5	3725657	6.82E-05	1.48E-05	1.35E-05	1.86E-06	7.24E-05	8.63E-06	7.46E-06	6.31E-07
911	436736.3	3725648	6.77E-05	1.47E-05	1.34E-05	1.85E-06	7.19E-05	8.57E-06	7.41E-06	6.26E-07
912	436733.2	3725639	6.72E-05	1.46E-05	1.33E-05	1.83E-06	7.14E-05	8.51E-06	7.35E-06	6.22E-07
913	436730.1	3725630	6.68E-05	1.45E-05	1.32E-05	1.82E-06	7.09E-05	8.46E-06	7.31E-06	6.18E-07
914	436726.9	3725621	6.64E-05	1.44E-05	1.31E-05	1.81E-06	7.05E-05	8.41E-06	7.26E-06	6.14E-07
915	436723.8	3725612	6.60E-05	1.43E-05	1.30E-05	1.80E-06	7.01E-05	8.36E-06	7.22E-06	6.10E-07
916	436720.7	3725603	6.57E-05	1.43E-05	1.30E-05	1.79E-06	6.98E-05	8.32E-06	7.19E-06	6.08E-07
917	436717.5	3725595	6.54E-05	1.42E-05	1.29E-05	1.78E-06	6.94E-05	8.28E-06	7.15E-06	6.05E-07
918	436714.4	3725586	6.49E-05	1.41E-05	1.28E-05	1.77E-06	6.90E-05	8.22E-06	7.10E-06	6.01E-07
919	436711.3	3725577	6.45E-05	1.40E-05	1.27E-05	1.76E-06	6.85E-05	8.17E-06	7.06E-06	5.97E-07
920	436708.1	3725568	6.41E-05	1.39E-05	1.27E-05	1.75E-06	6.80E-05	8.11E-06	7.01E-06	5.92E-07
921	436705	3725559	6.37E-05	1.38E-05	1.26E-05	1.74E-06	6.77E-05	8.07E-06	6.97E-06	5.89E-07
922	436701.9	3725550	6.33E-05	1.38E-05	1.25E-05	1.73E-06	6.73E-05	8.02E-06	6.93E-06	5.86E-07
923	436698.7	3725541	6.29E-05	1.37E-05	1.24E-05	1.72E-06	6.69E-05	7.97E-06	6.89E-06	5.82E-07
924	436695.6	3725532	6.26E-05	1.36E-05	1.24E-05	1.71E-06	6.65E-05	7.93E-06	6.85E-06	5.79E-07
925	436670.5	3725462	6.21E-05	1.35E-05	1.23E-05	1.69E-06	6.59E-05	7.86E-06	6.79E-06	5.74E-07
926	436667.4	3725453	6.18E-05	1.34E-05	1.22E-05	1.69E-06	6.57E-05	7.83E-06	6.76E-06	5.72E-07
927	436664.3	3725444	6.15E-05	1.34E-05	1.22E-05	1.68E-06	6.54E-05	7.79E-06	6.73E-06	5.69E-07
928	436661.1	3725435	6.13E-05	1.33E-05	1.21E-05	1.67E-06	6.51E-05	7.76E-06	6.70E-06	5.67E-07
929	436658	3725426	6.10E-05	1.33E-05	1.20E-05	1.66E-06	6.48E-05	7.72E-06	6.67E-06	5.64E-07
930	436654.9	3725417	6.08E-05	1.32E-05	1.20E-05	1.66E-06	6.45E-05	7.69E-06	6.65E-06	5.62E-07
931	436595.4	3725249	5.32E-05	1.16E-05	1.05E-05	1.45E-06	5.65E-05	6.73E-06	5.82E-06	4.92E-07
932	436592.2	3725240	5.29E-05	1.15E-05	1.05E-05	1.44E-06	5.62E-05	6.70E-06	5.79E-06	4.89E-07
933	436589.1	3725231	5.28E-05	1.15E-05	1.04E-05	1.44E-06	5.61E-05	6.69E-06	5.78E-06	4.89E-07
934	436586	3725222	5.29E-05	1.15E-05	1.04E-05	1.44E-06	5.62E-05	6.69E-06	5.78E-06	4.89E-07
935	436582.8	3725213	5.31E-05	1.15E-05	1.05E-05	1.45E-06	5.64E-05	6.72E-06	5.81E-06	4.91E-07
936	436725.1	3725727	6.64E-05	1.44E-05	1.31E-05	1.81E-06	7.06E-05	8.41E-06	7.27E-06	6.15E-07
937	436722	3725718	6.65E-05	1.44E-05	1.31E-05	1.81E-06	7.06E-05	8.42E-06	7.27E-06	6.15E-07
938	436718.9	3725709	6.63E-05	1.44E-05	1.31E-05	1.81E-06	7.04E-05	8.39E-06	7.25E-06	6.13E-07
939	436715.7	3725700	6.60E-05	1.43E-05	1.30E-05	1.80E-06	7.01E-05	8.36E-06	7.22E-06	6.10E-07
940	436712.6	3725692	6.57E-05	1.43E-05	1.30E-05	1.79E-06	6.98E-05	8.31E-06	7.18E-06	6.07E-07
941	436709.4	3725683	6.53E-05	1.42E-05	1.29E-05	1.78E-06	6.94E-05	8.27E-06	7.15E-06	6.04E-07
942	436706.3	3725674	6.50E-05	1.41E-05	1.28E-05	1.77E-06	6.91E-05	8.23E-06	7.11E-06	6.01E-07
943	436703.2	3725665	6.47E-05	1.41E-05	1.28E-05	1.77E-06	6.87E-05	8.19E-06	7.08E-06	5.98E-07
944	436700	3725656	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.94E-07
945	436696.9	3725647	6.39E-05	1.39E-05	1.26E-05	1.74E-06	6.79E-05	8.09E-06	6.99E-06	5.91E-07
946	436693.7	3725638	6.36E-05	1.38E-05	1.26E-05	1.74E-06	6.76E-05	8.06E-06	6.96E-06	5.88E-07
947	436690.6	3725629	6.34E-05	1.38E-05	1.25E-05	1.73E-06	6.73E-05	8.03E-06	6.93E-06	5.86E-07
948	436687.4	3725620	6.31E-05	1.37E-05	1.25E-05	1.72E-06	6.70E-05	7.99E-06	6.90E-06	5.84E-07

949	436684.3	3725612	6.28E-05	1.36E-05	1.24E-05	1.71E-06	6.67E-05	7.95E-06	6.87E-06	5.81E-07
950	436681.2	3725603	6.25E-05	1.36E-05	1.23E-05	1.71E-06	6.64E-05	7.91E-06	6.84E-06	5.78E-07
951	436678	3725594	6.22E-05	1.35E-05	1.23E-05	1.70E-06	6.61E-05	7.88E-06	6.81E-06	5.75E-07
952	436674.9	3725585	6.18E-05	1.34E-05	1.22E-05	1.69E-06	6.56E-05	7.82E-06	6.76E-06	5.71E-07
953	436671.7	3725576	6.12E-05	1.33E-05	1.21E-05	1.67E-06	6.50E-05	7.75E-06	6.69E-06	5.66E-07
954	436668.6	3725567	6.07E-05	1.32E-05	1.20E-05	1.65E-06	6.44E-05	7.68E-06	6.64E-06	5.61E-07
955	436665.5	3725558	6.03E-05	1.31E-05	1.19E-05	1.65E-06	6.41E-05	7.64E-06	6.60E-06	5.58E-07
956	436662.3	3725549	6.01E-05	1.31E-05	1.19E-05	1.64E-06	6.38E-05	7.61E-06	6.57E-06	5.56E-07
957	436659.2	3725540	5.99E-05	1.30E-05	1.18E-05	1.63E-06	6.36E-05	7.58E-06	6.55E-06	5.54E-07
958	436656	3725531	5.98E-05	1.30E-05	1.18E-05	1.63E-06	6.35E-05	7.57E-06	6.54E-06	5.53E-07
959	436652.9	3725523	5.98E-05	1.30E-05	1.18E-05	1.63E-06	6.36E-05	7.58E-06	6.54E-06	5.53E-07
960	436561.8	3725265	5.11E-05	1.11E-05	1.01E-05	1.39E-06	5.43E-05	6.47E-06	5.59E-06	4.72E-07
961	436558.6	3725256	5.08E-05	1.10E-05	1.00E-05	1.39E-06	5.40E-05	6.44E-06	5.56E-06	4.70E-07
962	436555.5	3725247	5.06E-05	1.10E-05	9.99E-06	1.38E-06	5.37E-05	6.41E-06	5.53E-06	4.68E-07
963	436552.3	3725238	5.03E-05	1.09E-05	9.94E-06	1.37E-06	5.35E-05	6.37E-06	5.51E-06	4.66E-07
964	436549.2	3725229	5.04E-05	1.09E-05	9.95E-06	1.37E-06	5.35E-05	6.38E-06	5.51E-06	4.66E-07
965	437547.8	3725319	1.16E-02	2.52E-03	2.29E-03	3.16E-04	1.23E-02	1.47E-03	1.27E-03	1.07E-04
966	437559.6	3725333	1.43E-02	3.10E-03	2.82E-03	3.89E-04	1.51E-02	1.80E-03	1.56E-03	1.32E-04
967	437528.6	3725313	7.25E-03	1.58E-03	1.43E-03	1.98E-04	7.70E-03	9.18E-04	7.93E-04	6.71E-05
968	437540.4	3725326	9.13E-03	1.98E-03	1.80E-03	2.49E-04	9.69E-03	1.16E-03	9.98E-04	8.44E-05
969	437552.2	3725339	1.11E-02	2.41E-03	2.19E-03	3.03E-04	1.18E-02	1.41E-03	1.21E-03	1.03E-04
970	437509.3	3725307	4.80E-03	1.04E-03	9.48E-04	1.31E-04	5.10E-03	6.08E-04	5.25E-04	4.44E-05
971	437521.2	3725320	6.00E-03	1.30E-03	1.18E-03	1.64E-04	6.37E-03	7.60E-04	6.56E-04	5.55E-05
972	437533	3725333	7.40E-03	1.61E-03	1.46E-03	2.02E-04	7.86E-03	9.37E-04	8.09E-04	6.84E-05
973	437544.8	3725346	8.90E-03	1.93E-03	1.76E-03	2.43E-04	9.45E-03	1.13E-03	9.74E-04	8.23E-05
974	437501.9	3725314	4.13E-03	8.98E-04	8.17E-04	1.13E-04	4.39E-03	5.24E-04	4.52E-04	3.82E-05
975	437513.7	3725327	5.06E-03	1.10E-03	1.00E-03	1.38E-04	5.38E-03	6.41E-04	5.54E-04	4.68E-05
976	437525.6	3725340	6.14E-03	1.33E-03	1.21E-03	1.67E-04	6.52E-03	7.77E-04	6.71E-04	5.68E-05
977	437537.4	3725353	7.30E-03	1.59E-03	1.44E-03	1.99E-04	7.75E-03	9.24E-04	7.98E-04	6.75E-05
978	437494.5	3725320	3.61E-03	7.85E-04	7.13E-04	9.86E-05	3.84E-03	4.57E-04	3.95E-04	3.34E-05
979	437506.3	3725333	4.34E-03	9.43E-04	8.57E-04	1.18E-04	4.61E-03	5.50E-04	4.75E-04	4.01E-05
980	437518.2	3725346	5.19E-03	1.13E-03	1.02E-03	1.41E-04	5.51E-03	6.57E-04	5.67E-04	4.80E-05
981	437530	3725359	6.10E-03	1.32E-03	1.20E-03	1.66E-04	6.48E-03	7.72E-04	6.67E-04	5.64E-05
982	437498.9	3725340	3.77E-03	8.19E-04	7.45E-04	1.03E-04	4.01E-03	4.78E-04	4.13E-04	3.49E-05
983	437510.7	3725353	4.45E-03	9.66E-04	8.78E-04	1.21E-04	4.72E-03	5.63E-04	4.86E-04	4.11E-05
984	437522.6	3725366	5.18E-03	1.13E-03	1.02E-03	1.41E-04	5.51E-03	6.56E-04	5.67E-04	4.80E-05
985	437491.5	3725347	3.32E-03	7.22E-04	6.56E-04	9.06E-05	3.53E-03	4.21E-04	3.63E-04	3.07E-05
986	437503.3	3725360	3.86E-03	8.39E-04	7.63E-04	1.05E-04	4.10E-03	4.89E-04	4.23E-04	3.57E-05
987	437515.1	3725373	4.47E-03	9.70E-04	8.82E-04	1.22E-04	4.74E-03	5.65E-04	4.89E-04	4.13E-05
988	437464.9	3725347	2.28E-03	4.95E-04	4.50E-04	6.21E-05	2.42E-03	2.88E-04	2.49E-04	2.11E-05
989	437476.7	3725360	2.62E-03	5.69E-04	5.18E-04	7.15E-05	2.78E-03	3.32E-04	2.87E-04	2.42E-05
990	437488.5	3725373	3.00E-03	6.52E-04	5.92E-04	8.18E-05	3.19E-03	3.80E-04	3.28E-04	2.77E-05
991	437500.3	3725386	3.41E-03	7.40E-04	6.73E-04	9.30E-05	3.62E-03	4.31E-04	3.73E-04	3.15E-05
992	437450.1	3725361	1.86E-03	4.04E-04	3.67E-04	5.07E-05	1.97E-03	2.35E-04	2.03E-04	1.72E-05
993	437441.1	3725440	1.42E-03	3.09E-04	2.81E-04	3.88E-05	1.51E-03	1.80E-04	1.55E-04	1.31E-05
994	437414.4	3725440	1.10E-03	2.39E-04	2.17E-04	3.00E-05	1.17E-03	1.39E-04	1.20E-04	1.02E-05
995	437426.2	3725453	1.19E-03	2.58E-04	2.35E-04	3.24E-05	1.26E-03	1.50E-04	1.30E-04	1.10E-05
996	437399.6	3725454	9.37E-04	2.04E-04	1.85E-04	2.56E-05	9.95E-04	1.19E-04	1.02E-04	8.66E-06
997	437411.4	3725467	1.00E-03	2.18E-04	1.98E-04	2.74E-05	1.07E-03	1.27E-04	1.10E-04	9.29E-06
998	437384.8	3725467	8.09E-04	1.76E-04	1.60E-04	2.21E-05	8.59E-04	1.02E-04	8.85E-05	7.48E-06
999	437486.3	3725363	2.98E-03	6.47E-04	5.88E-04	8.13E-05	3.16E-03	3.77E-04	3.26E-04	2.76E-05
1000	437290.7	3725439	4.45E-04	9.67E-05	8.79E-05	1.21E-05	4.73E-04	5.64E-05	4.87E-05	4.12E-06
1001	436672.5	3725698	6.13E-05	1.33E-05	1.21E-05	1.67E-06	6.52E-05	7.77E-06	6.71E-06	5.67E-07
1002	437557.6	3725323	1.48E-02	3.22E-03	2.93E-03	4.04E-04	1.57E-02	1.88E-03	1.62E-03	1.37E-04
1003	436768.5	3725455	7.02E-05	1.53E-05	1.39E-05	1.92E-06	7.46E-05	8.89E-06	7.68E-06	6.50E-07
1004	436729.1	3725462	6.67E-05	1.45E-05	1.32E-05	1.82E-06	7.08E-05	8.44E-06	7.30E-06	6.17E-07

1005	436689.6	3725469	6.31E-05	1.37E-05	1.25E-05	1.72E-06	6.71E-05	7.99E-06	6.91E-06	5.84E-07
1006	437438.2	3725332	1.64E-03	3.56E-04	3.24E-04	4.48E-05	1.74E-03	2.08E-04	1.79E-04	1.52E-05
1007	437418.1	3725328	1.28E-03	2.78E-04	2.53E-04	3.49E-05	1.36E-03	1.62E-04	1.40E-04	1.18E-05
1008	437118.4	3725342	1.96E-04	4.27E-05	3.88E-05	5.36E-06	2.09E-04	2.49E-05	2.15E-05	1.82E-06
1009	437058.3	3725339	1.57E-04	3.41E-05	3.10E-05	4.28E-06	1.67E-04	1.99E-05	1.71E-05	1.45E-06
1010	436998.3	3725340	1.27E-04	2.75E-05	2.50E-05	3.46E-06	1.35E-04	1.60E-05	1.39E-05	1.17E-06
1011	436958.3	3725342	1.12E-04	2.43E-05	2.21E-05	3.05E-06	1.19E-04	1.42E-05	1.22E-05	1.03E-06
1012	436918.3	3725343	9.97E-05	2.17E-05	1.97E-05	2.72E-06	1.06E-04	1.26E-05	1.09E-05	9.22E-07
1013	436878.3	3725344	8.97E-05	1.95E-05	1.77E-05	2.45E-06	9.53E-05	1.14E-05	9.81E-06	8.30E-07
1014	436838.3	3725345	8.16E-05	1.77E-05	1.61E-05	2.23E-06	8.67E-05	1.03E-05	8.93E-06	7.55E-07
1015	436798.4	3725346	7.49E-05	1.63E-05	1.48E-05	2.04E-06	7.96E-05	9.49E-06	8.19E-06	6.93E-07
1016	436758.4	3725347	6.97E-05	1.51E-05	1.38E-05	1.90E-06	7.40E-05	8.83E-06	7.63E-06	6.45E-07
1017	436718.4	3725349	6.51E-05	1.41E-05	1.29E-05	1.78E-06	6.91E-05	8.24E-06	7.12E-06	6.02E-07
1018	436678.4	3725350	6.15E-05	1.34E-05	1.21E-05	1.68E-06	6.53E-05	7.79E-06	6.73E-06	5.69E-07
1019	437334	3725234	5.77E-04	1.25E-04	1.14E-04	1.57E-05	6.13E-04	7.31E-05	6.31E-05	5.34E-06
1020	437312.6	3725235	4.90E-04	1.06E-04	9.68E-05	1.34E-05	5.20E-04	6.20E-05	5.36E-05	4.53E-06
1021	437286.9	3725218	4.06E-04	8.81E-05	8.01E-05	1.11E-05	4.31E-04	5.14E-05	4.44E-05	3.75E-06
1022	437230.3	3725198	2.90E-04	6.29E-05	5.72E-05	7.90E-06	3.08E-04	3.67E-05	3.17E-05	2.68E-06
1023	436994.5	3725115	1.19E-04	2.60E-05	2.36E-05	3.26E-06	1.27E-04	1.51E-05	1.31E-05	1.10E-06
1024	437626	3725374	3.98E-02	8.66E-03	7.87E-03	1.09E-03	4.23E-02	5.05E-03	4.36E-03	3.69E-04
1025	437633.4	3725380	4.16E-02	9.03E-03	8.21E-03	1.13E-03	4.41E-02	5.26E-03	4.55E-03	3.84E-04
1026	437640.8	3725386	4.28E-02	9.31E-03	8.46E-03	1.17E-03	4.55E-02	5.43E-03	4.69E-03	3.96E-04
1027	437648.2	3725393	4.38E-02	9.52E-03	8.66E-03	1.20E-03	4.66E-02	5.55E-03	4.80E-03	4.05E-04
1028	437655.6	3725399	4.45E-02	9.66E-03	8.78E-03	1.21E-03	4.72E-02	5.63E-03	4.87E-03	4.11E-04
1029	437663	3725405	4.45E-02	9.67E-03	8.79E-03	1.21E-03	4.73E-02	5.64E-03	4.87E-03	4.12E-04
1030	437670.4	3725411	4.39E-02	9.54E-03	8.68E-03	1.20E-03	4.67E-02	5.56E-03	4.81E-03	4.06E-04
1031	437619.6	3725381	2.98E-02	6.48E-03	5.89E-03	8.14E-04	3.17E-02	3.78E-03	3.26E-03	2.76E-04
1032	437627	3725388	3.12E-02	6.77E-03	6.15E-03	8.50E-04	3.31E-02	3.95E-03	3.41E-03	2.88E-04
1033	437634.3	3725394	3.23E-02	7.02E-03	6.38E-03	8.81E-04	3.43E-02	4.09E-03	3.53E-03	2.99E-04
1034	437641.7	3725400	3.31E-02	7.19E-03	6.54E-03	9.03E-04	3.52E-02	4.19E-03	3.62E-03	3.06E-04
1035	437649.1	3725406	3.36E-02	7.29E-03	6.63E-03	9.16E-04	3.56E-02	4.25E-03	3.67E-03	3.10E-04
1036	437656.5	3725413	3.37E-02	7.33E-03	6.67E-03	9.21E-04	3.58E-02	4.27E-03	3.69E-03	3.12E-04
1037	437663.9	3725419	3.35E-02	7.28E-03	6.62E-03	9.14E-04	3.56E-02	4.24E-03	3.67E-03	3.10E-04
1038	437613.1	3725389	2.31E-02	5.01E-03	4.55E-03	6.29E-04	2.45E-02	2.92E-03	2.52E-03	2.13E-04
1039	437620.5	3725395	2.42E-02	5.25E-03	4.77E-03	6.59E-04	2.57E-02	3.06E-03	2.64E-03	2.23E-04
1040	437627.9	3725402	2.51E-02	5.45E-03	4.95E-03	6.84E-04	2.66E-02	3.17E-03	2.74E-03	2.32E-04
1041	437635.3	3725408	2.58E-02	5.60E-03	5.09E-03	7.03E-04	2.74E-02	3.26E-03	2.82E-03	2.38E-04
1042	437642.6	3725414	2.62E-02	5.70E-03	5.18E-03	7.15E-04	2.79E-02	3.32E-03	2.87E-03	2.43E-04
1043	437650	3725420	2.64E-02	5.74E-03	5.22E-03	7.21E-04	2.81E-02	3.35E-03	2.89E-03	2.45E-04
1044	437657.4	3725427	2.64E-02	5.74E-03	5.22E-03	7.21E-04	2.81E-02	3.35E-03	2.89E-03	2.44E-04
1045	437599.2	3725390	1.74E-02	3.77E-03	3.43E-03	4.74E-04	1.84E-02	2.20E-03	1.90E-03	1.61E-04
1046	437606.6	3725397	1.83E-02	3.99E-03	3.62E-03	5.01E-04	1.95E-02	2.32E-03	2.01E-03	1.70E-04
1047	437614	3725403	1.92E-02	4.18E-03	3.80E-03	5.25E-04	2.04E-02	2.43E-03	2.10E-03	1.78E-04
1048	437621.4	3725409	2.00E-02	4.34E-03	3.95E-03	5.45E-04	2.12E-02	2.53E-03	2.19E-03	1.85E-04
1049	437628.8	3725415	2.06E-02	4.47E-03	4.07E-03	5.62E-04	2.19E-02	2.61E-03	2.25E-03	1.90E-04
1050	437636.2	3725422	2.10E-02	4.57E-03	4.15E-03	5.74E-04	2.23E-02	2.66E-03	2.30E-03	1.94E-04
1051	437643.6	3725428	2.13E-02	4.62E-03	4.20E-03	5.81E-04	2.26E-02	2.69E-03	2.33E-03	1.97E-04
1052	437651	3725434	2.14E-02	4.64E-03	4.22E-03	5.83E-04	2.27E-02	2.70E-03	2.34E-03	1.98E-04
1053	437551.3	3725354	9.66E-03	2.10E-03	1.91E-03	2.63E-04	1.03E-02	1.22E-03	1.06E-03	8.93E-05
1054	437592.8	3725398	1.41E-02	3.06E-03	2.78E-03	3.85E-04	1.50E-02	1.79E-03	1.54E-03	1.30E-04
1055	437600.1	3725404	1.49E-02	3.24E-03	2.94E-03	4.06E-04	1.58E-02	1.89E-03	1.63E-03	1.38E-04
1056	437607.5	3725410	1.56E-02	3.39E-03	3.08E-03	4.26E-04	1.66E-02	1.98E-03	1.71E-03	1.44E-04
1057	437614.9	3725417	1.62E-02	3.53E-03	3.21E-03	4.43E-04	1.73E-02	2.06E-03	1.78E-03	1.50E-04
1058	437622.3	3725423	1.68E-02	3.64E-03	3.31E-03	4.57E-04	1.78E-02	2.12E-03	1.83E-03	1.55E-04
1059	437629.7	3725429	1.72E-02	3.73E-03	3.39E-03	4.68E-04	1.82E-02	2.17E-03	1.88E-03	1.59E-04
1060	437637.1	3725436	1.74E-02	3.79E-03	3.44E-03	4.76E-04	1.85E-02	2.21E-03	1.91E-03	1.61E-04

1061	437644.5	3725442	1.76E-02	3.82E-03	3.47E-03	4.79E-04	1.87E-02	2.22E-03	1.92E-03	1.62E-04
1062	437593.7	3725412	1.23E-02	2.67E-03	2.43E-03	3.35E-04	1.30E-02	1.56E-03	1.34E-03	1.14E-04
1063	437601.1	3725418	1.29E-02	2.80E-03	2.54E-03	3.51E-04	1.37E-02	1.63E-03	1.41E-03	1.19E-04
1064	437608.4	3725424	1.34E-02	2.91E-03	2.65E-03	3.66E-04	1.42E-02	1.70E-03	1.47E-03	1.24E-04
1065	437615.8	3725431	1.39E-02	3.01E-03	2.74E-03	3.78E-04	1.47E-02	1.75E-03	1.52E-03	1.28E-04
1066	437623.2	3725437	1.42E-02	3.09E-03	2.81E-03	3.88E-04	1.51E-02	1.80E-03	1.56E-03	1.32E-04
1067	437630.6	3725443	1.45E-02	3.15E-03	2.86E-03	3.95E-04	1.54E-02	1.83E-03	1.58E-03	1.34E-04
1068	437638	3725450	1.46E-02	3.18E-03	2.89E-03	4.00E-04	1.56E-02	1.85E-03	1.60E-03	1.35E-04
1069	437545.8	3725381	7.16E-03	1.56E-03	1.41E-03	1.95E-04	7.61E-03	9.07E-04	7.84E-04	6.62E-05
1070	437536.9	3725367	6.66E-03	1.45E-03	1.31E-03	1.82E-04	7.07E-03	8.43E-04	7.28E-04	6.16E-05
1071	437587.2	3725419	1.03E-02	2.23E-03	2.03E-03	2.80E-04	1.09E-02	1.30E-03	1.12E-03	9.49E-05
1072	437594.6	3725426	1.08E-02	2.34E-03	2.13E-03	2.94E-04	1.14E-02	1.36E-03	1.18E-03	9.96E-05
1073	437602	3725432	1.12E-02	2.44E-03	2.21E-03	3.06E-04	1.19E-02	1.42E-03	1.23E-03	1.04E-04
1074	437609.4	3725438	1.16E-02	2.52E-03	2.29E-03	3.17E-04	1.23E-02	1.47E-03	1.27E-03	1.07E-04
1075	437616.7	3725445	1.19E-02	2.59E-03	2.36E-03	3.25E-04	1.27E-02	1.51E-03	1.30E-03	1.10E-04
1076	437624.1	3725451	1.22E-02	2.65E-03	2.41E-03	3.32E-04	1.29E-02	1.54E-03	1.33E-03	1.13E-04
1077	437631.5	3725457	1.24E-02	2.68E-03	2.44E-03	3.37E-04	1.31E-02	1.56E-03	1.35E-03	1.14E-04
1078	437538.7	3725388	6.08E-03	1.32E-03	1.20E-03	1.66E-04	6.46E-03	7.70E-04	6.65E-04	5.63E-05
1079	437533.6	3725380	5.85E-03	1.27E-03	1.16E-03	1.60E-04	6.21E-03	7.41E-04	6.40E-04	5.41E-05
1080	437532.5	3725396	5.26E-03	1.14E-03	1.04E-03	1.44E-04	5.59E-03	6.67E-04	5.76E-04	4.87E-05
1081	437523	3725381	4.89E-03	1.06E-03	9.66E-04	1.33E-04	5.19E-03	6.19E-04	5.35E-04	4.52E-05
1082	437517.2	3725389	4.30E-03	9.35E-04	8.50E-04	1.17E-04	4.57E-03	5.45E-04	4.71E-04	3.98E-05
1083	437480.4	3725348	2.82E-03	6.12E-04	5.56E-04	7.68E-05	2.99E-03	3.56E-04	3.08E-04	2.60E-05
1084	437584.4	3725483	5.67E-03	1.23E-03	1.12E-03	1.55E-04	6.02E-03	7.18E-04	6.20E-04	5.24E-05
1085	437591.8	3725489	5.83E-03	1.27E-03	1.15E-03	1.59E-04	6.19E-03	7.38E-04	6.38E-04	5.39E-05
1086	437599.1	3725495	5.97E-03	1.30E-03	1.18E-03	1.63E-04	6.34E-03	7.55E-04	6.53E-04	5.52E-05
1087	437460.8	3725362	2.12E-03	4.60E-04	4.18E-04	5.77E-05	2.25E-03	2.68E-04	2.32E-04	1.96E-05
1088	437504.9	3725441	2.91E-03	6.32E-04	5.75E-04	7.94E-05	3.09E-03	3.68E-04	3.18E-04	2.69E-05
1089	437512.3	3725448	3.09E-03	6.71E-04	6.10E-04	8.42E-05	3.28E-03	3.91E-04	3.38E-04	2.85E-05
1090	437519.7	3725454	3.26E-03	7.09E-04	6.45E-04	8.91E-05	3.47E-03	4.13E-04	3.57E-04	3.02E-05
1091	437527.1	3725460	3.44E-03	7.48E-04	6.80E-04	9.40E-05	3.66E-03	4.36E-04	3.77E-04	3.18E-05
1092	437571.4	3725498	4.41E-03	9.59E-04	8.72E-04	1.20E-04	4.69E-03	5.59E-04	4.83E-04	4.08E-05
1093	437578.8	3725504	4.54E-03	9.87E-04	8.97E-04	1.24E-04	4.82E-03	5.75E-04	4.97E-04	4.20E-05
1094	437586.2	3725510	4.65E-03	1.01E-03	9.19E-04	1.27E-04	4.94E-03	5.89E-04	5.09E-04	4.30E-05
1095	437486.9	3725449	2.30E-03	5.00E-04	4.55E-04	6.28E-05	2.45E-03	2.92E-04	2.52E-04	2.13E-05
1096	437441.5	3725367	1.66E-03	3.61E-04	3.28E-04	4.53E-05	1.76E-03	2.10E-04	1.82E-04	1.54E-05
1097	437492	3725457	2.36E-03	5.13E-04	4.66E-04	6.44E-05	2.51E-03	2.99E-04	2.58E-04	2.18E-05
1098	437499.3	3725463	2.49E-03	5.42E-04	4.92E-04	6.80E-05	2.65E-03	3.16E-04	2.73E-04	2.31E-05
1099	437506.7	3725469	2.63E-03	5.71E-04	5.19E-04	7.17E-05	2.79E-03	3.33E-04	2.87E-04	2.43E-05
1100	437514.1	3725475	2.76E-03	6.00E-04	5.45E-04	7.53E-05	2.93E-03	3.50E-04	3.02E-04	2.55E-05
1101	437521.5	3725482	2.89E-03	6.29E-04	5.72E-04	7.90E-05	3.07E-03	3.66E-04	3.17E-04	2.68E-05
1102	437558.5	3725513	3.51E-03	7.62E-04	6.93E-04	9.57E-05	3.73E-03	4.44E-04	3.84E-04	3.25E-05
1103	437565.8	3725519	3.61E-03	7.85E-04	7.13E-04	9.85E-05	3.84E-03	4.57E-04	3.95E-04	3.34E-05
1104	437573.2	3725526	3.71E-03	8.05E-04	7.32E-04	1.01E-04	3.94E-03	4.69E-04	4.05E-04	3.43E-05
1105	437464.7	3725449	1.81E-03	3.94E-04	3.58E-04	4.95E-05	1.93E-03	2.30E-04	1.99E-04	1.68E-05
1106	437423.1	3725346	1.34E-03	2.91E-04	2.64E-04	3.65E-05	1.42E-03	1.69E-04	1.46E-04	1.24E-05
1107	437486.4	3725478	2.05E-03	4.45E-04	4.05E-04	5.59E-05	2.18E-03	2.60E-04	2.24E-04	1.90E-05
1108	437493.8	3725484	2.15E-03	4.68E-04	4.25E-04	5.87E-05	2.29E-03	2.73E-04	2.36E-04	1.99E-05
1109	437501.2	3725491	2.26E-03	4.90E-04	4.45E-04	6.15E-05	2.40E-03	2.86E-04	2.47E-04	2.09E-05
1110	437508.6	3725497	2.36E-03	5.12E-04	4.66E-04	6.43E-05	2.50E-03	2.99E-04	2.58E-04	2.18E-05
1111	437545.5	3725528	2.84E-03	6.16E-04	5.60E-04	7.74E-05	3.01E-03	3.59E-04	3.10E-04	2.62E-05
1112	437552.9	3725535	2.92E-03	6.35E-04	5.77E-04	7.97E-05	3.10E-03	3.70E-04	3.20E-04	2.70E-05
1113	437560.3	3725541	3.00E-03	6.51E-04	5.92E-04	8.18E-05	3.19E-03	3.80E-04	3.28E-04	2.77E-05
1114	437456.3	3725472	1.51E-03	3.29E-04	2.99E-04	4.13E-05	1.61E-03	1.92E-04	1.66E-04	1.40E-05
1115	437451.4	3725464	1.48E-03	3.21E-04	2.92E-04	4.03E-05	1.57E-03	1.87E-04	1.62E-04	1.37E-05
1116	437446.5	3725456	1.44E-03	3.13E-04	2.84E-04	3.93E-05	1.53E-03	1.82E-04	1.57E-04	1.33E-05

1117	437473.4	3725493	1.66E-03	3.61E-04	3.28E-04	4.53E-05	1.76E-03	2.10E-04	1.82E-04	1.54E-05
1118	437480.8	3725500	1.74E-03	3.78E-04	3.44E-04	4.75E-05	1.85E-03	2.20E-04	1.90E-04	1.61E-05
1119	437488.2	3725506	1.82E-03	3.95E-04	3.59E-04	4.96E-05	1.93E-03	2.30E-04	1.99E-04	1.68E-05
1120	437443.1	3725487	1.26E-03	2.74E-04	2.49E-04	3.44E-05	1.34E-03	1.60E-04	1.38E-04	1.17E-05
1121	437438.1	3725479	1.23E-03	2.67E-04	2.43E-04	3.35E-05	1.31E-03	1.56E-04	1.35E-04	1.14E-05
1122	437433.1	3725471	1.20E-03	2.61E-04	2.38E-04	3.28E-05	1.28E-03	1.52E-04	1.32E-04	1.11E-05
1123	437428.1	3725463	1.18E-03	2.56E-04	2.32E-04	3.21E-05	1.25E-03	1.49E-04	1.29E-04	1.09E-05
1124	437414.7	3725478	1.00E-03	2.18E-04	1.98E-04	2.74E-05	1.07E-03	1.27E-04	1.10E-04	9.29E-06
1125	437327.3	3725352	5.30E-04	1.15E-04	1.05E-04	1.44E-05	5.62E-04	6.70E-05	5.79E-05	4.90E-06
1126	437306.3	3725404	4.86E-04	1.06E-04	9.61E-05	1.33E-05	5.17E-04	6.16E-05	5.32E-05	4.50E-06
1127	437310.2	3725301	4.81E-04	1.05E-04	9.51E-05	1.31E-05	5.11E-04	6.09E-05	5.27E-05	4.45E-06
1128	437312	3725476	4.91E-04	1.07E-04	9.71E-05	1.34E-05	5.22E-04	6.22E-05	5.38E-05	4.55E-06
1129	437307	3725468	4.82E-04	1.05E-04	9.52E-05	1.31E-05	5.12E-04	6.10E-05	5.27E-05	4.46E-06
1130	437302	3725460	4.71E-04	1.02E-04	9.31E-05	1.29E-05	5.01E-04	5.97E-05	5.16E-05	4.36E-06
1131	437297	3725452	4.60E-04	1.00E-04	9.09E-05	1.26E-05	4.89E-04	5.83E-05	5.03E-05	4.26E-06
1132	437277.7	3725402	4.17E-04	9.05E-05	8.23E-05	1.14E-05	4.43E-04	5.28E-05	4.56E-05	3.85E-06
1133	437280.5	3725328	4.00E-04	8.69E-05	7.90E-05	1.09E-05	4.25E-04	5.06E-05	4.38E-05	3.70E-06
1134	437282.9	3725484	4.21E-04	9.15E-05	8.32E-05	1.15E-05	4.47E-04	5.33E-05	4.61E-05	3.90E-06
1135	437277.9	3725476	4.14E-04	8.99E-05	8.18E-05	1.13E-05	4.40E-04	5.24E-05	4.53E-05	3.83E-06
1136	437272.9	3725468	4.05E-04	8.79E-05	7.99E-05	1.10E-05	4.30E-04	5.12E-05	4.43E-05	3.74E-06
1137	437267.9	3725460	3.95E-04	8.59E-05	7.81E-05	1.08E-05	4.20E-04	5.00E-05	4.32E-05	3.65E-06
1138	437249.1	3725401	3.63E-04	7.88E-05	7.17E-05	9.90E-06	3.85E-04	4.59E-05	3.97E-05	3.36E-06
1139	437244.9	3725477	3.46E-04	7.51E-05	6.83E-05	9.43E-06	3.67E-04	4.38E-05	3.78E-05	3.20E-06
1140	437220.2	3725408	3.11E-04	6.75E-05	6.14E-05	8.48E-06	3.30E-04	3.94E-05	3.40E-05	2.88E-06
1141	437223	3725330	3.16E-04	6.87E-05	6.24E-05	8.62E-06	3.36E-04	4.00E-05	3.46E-05	2.92E-06
1142	437223.4	3725321	3.16E-04	6.87E-05	6.24E-05	8.62E-06	3.36E-04	4.00E-05	3.46E-05	2.92E-06
1143	437223.7	3725311	3.16E-04	6.86E-05	6.24E-05	8.61E-06	3.35E-04	4.00E-05	3.45E-05	2.92E-06
1144	437227	3725225	2.91E-04	6.33E-05	5.75E-05	7.95E-06	3.09E-04	3.69E-05	3.19E-05	2.69E-06
1145	437227.3	3725215	2.90E-04	6.30E-05	5.73E-05	7.91E-06	3.08E-04	3.67E-05	3.17E-05	2.68E-06
1146	437191.5	3725406	2.70E-04	5.86E-05	5.33E-05	7.36E-06	2.87E-04	3.42E-05	2.95E-05	2.50E-06
1147	437191.9	3725396	2.71E-04	5.88E-05	5.34E-05	7.38E-06	2.87E-04	3.43E-05	2.96E-05	2.50E-06
1148	437194.4	3725329	2.74E-04	5.95E-05	5.41E-05	7.48E-06	2.91E-04	3.47E-05	3.00E-05	2.53E-06
1149	437194.8	3725320	2.74E-04	5.96E-05	5.41E-05	7.48E-06	2.91E-04	3.47E-05	3.00E-05	2.54E-06
1150	437195.1	3725310	2.74E-04	5.96E-05	5.41E-05	7.48E-06	2.91E-04	3.47E-05	3.00E-05	2.54E-06
1151	437198.3	3725224	2.63E-04	5.71E-05	5.19E-05	7.17E-06	2.79E-04	3.33E-05	2.87E-05	2.43E-06
1152	437198.7	3725214	2.60E-04	5.64E-05	5.13E-05	7.08E-06	2.76E-04	3.29E-05	2.84E-05	2.40E-06
1153	437199	3725205	2.57E-04	5.58E-05	5.07E-05	7.01E-06	2.73E-04	3.25E-05	2.81E-05	2.38E-06
1154	437162.9	3725404	2.36E-04	5.14E-05	4.67E-05	6.45E-06	2.51E-04	2.99E-05	2.59E-05	2.19E-06
1155	437163.3	3725395	2.37E-04	5.15E-05	4.68E-05	6.47E-06	2.52E-04	3.00E-05	2.59E-05	2.19E-06
1156	437168.3	3725262	2.39E-04	5.19E-05	4.71E-05	6.51E-06	2.54E-04	3.02E-05	2.61E-05	2.21E-06
1157	437169.7	3725223	2.36E-04	5.13E-05	4.66E-05	6.44E-06	2.51E-04	2.99E-05	2.58E-05	2.18E-06
1158	437170	3725214	2.35E-04	5.11E-05	4.64E-05	6.41E-06	2.50E-04	2.98E-05	2.57E-05	2.17E-06
1159	437170.4	3725204	2.34E-04	5.09E-05	4.62E-05	6.39E-06	2.49E-04	2.96E-05	2.56E-05	2.16E-06
1160	437170.7	3725195	2.33E-04	5.07E-05	4.60E-05	6.36E-06	2.48E-04	2.95E-05	2.55E-05	2.16E-06
1161	437134	3725413	2.09E-04	4.53E-05	4.12E-05	5.69E-06	2.22E-04	2.64E-05	2.28E-05	1.93E-06
1162	437134.3	3725403	2.09E-04	4.55E-05	4.13E-05	5.71E-06	2.22E-04	2.65E-05	2.29E-05	1.93E-06
1163	437136.8	3725337	2.12E-04	4.60E-05	4.18E-05	5.78E-06	2.25E-04	2.68E-05	2.32E-05	1.96E-06
1164	437137.1	3725327	2.12E-04	4.60E-05	4.18E-05	5.78E-06	2.25E-04	2.68E-05	2.32E-05	1.96E-06
1165	437137.5	3725318	2.12E-04	4.61E-05	4.19E-05	5.78E-06	2.25E-04	2.68E-05	2.32E-05	1.96E-06
1166	437139.6	3725261	2.11E-04	4.59E-05	4.17E-05	5.76E-06	2.24E-04	2.67E-05	2.31E-05	1.95E-06
1167	437141	3725223	2.09E-04	4.55E-05	4.13E-05	5.71E-06	2.22E-04	2.65E-05	2.29E-05	1.94E-06
1168	437141.4	3725213	2.09E-04	4.53E-05	4.12E-05	5.69E-06	2.22E-04	2.64E-05	2.28E-05	1.93E-06
1169	437141.7	3725204	2.08E-04	4.52E-05	4.11E-05	5.67E-06	2.21E-04	2.63E-05	2.28E-05	1.92E-06
1170	437142.1	3725194	2.07E-04	4.50E-05	4.09E-05	5.66E-06	2.20E-04	2.63E-05	2.27E-05	1.92E-06
1171	437105.4	3725411	1.86E-04	4.04E-05	3.68E-05	5.08E-06	1.98E-04	2.36E-05	2.04E-05	1.72E-06
1172	437108.2	3725335	1.89E-04	4.10E-05	3.72E-05	5.15E-06	2.00E-04	2.39E-05	2.06E-05	1.74E-06

1173	437108.5	3725326	1.89E-04	4.10E-05	3.73E-05	5.15E-06	2.00E-04	2.39E-05	2.06E-05	1.75E-06
1174	437108.9	3725317	1.89E-04	4.10E-05	3.73E-05	5.15E-06	2.01E-04	2.39E-05	2.07E-05	1.75E-06
1175	437111	3725260	1.88E-04	4.09E-05	3.72E-05	5.13E-06	2.00E-04	2.38E-05	2.06E-05	1.74E-06
1176	437112.4	3725222	1.87E-04	4.06E-05	3.69E-05	5.10E-06	1.98E-04	2.37E-05	2.04E-05	1.73E-06
1177	437113.1	3725203	1.86E-04	4.04E-05	3.67E-05	5.07E-06	1.98E-04	2.35E-05	2.03E-05	1.72E-06
1178	437113.4	3725194	1.85E-04	4.03E-05	3.66E-05	5.06E-06	1.97E-04	2.35E-05	2.03E-05	1.72E-06
1179	437076.7	3725410	1.66E-04	3.60E-05	3.28E-05	4.52E-06	1.76E-04	2.10E-05	1.81E-05	1.53E-06
1180	437079.2	3725344	1.69E-04	3.67E-05	3.34E-05	4.61E-06	1.80E-04	2.14E-05	1.85E-05	1.56E-06
1181	437079.5	3725334	1.69E-04	3.68E-05	3.34E-05	4.62E-06	1.80E-04	2.14E-05	1.85E-05	1.57E-06
1182	437079.9	3725325	1.69E-04	3.68E-05	3.34E-05	4.62E-06	1.80E-04	2.14E-05	1.85E-05	1.57E-06
1183	437080.2	3725316	1.69E-04	3.68E-05	3.35E-05	4.62E-06	1.80E-04	2.14E-05	1.85E-05	1.57E-06
1184	437082	3725268	1.69E-04	3.67E-05	3.34E-05	4.61E-06	1.80E-04	2.14E-05	1.85E-05	1.56E-06
1185	437083.8	3725221	1.68E-04	3.65E-05	3.32E-05	4.58E-06	1.78E-04	2.13E-05	1.84E-05	1.55E-06
1186	437084.5	3725203	1.67E-04	3.64E-05	3.30E-05	4.57E-06	1.78E-04	2.12E-05	1.83E-05	1.55E-06
1187	437084.8	3725193	1.67E-04	3.63E-05	3.30E-05	4.56E-06	1.77E-04	2.11E-05	1.83E-05	1.54E-06
1188	437085.2	3725184	1.67E-04	3.62E-05	3.29E-05	4.55E-06	1.77E-04	2.11E-05	1.82E-05	1.54E-06
1189	437051.1	3725329	1.53E-04	3.32E-05	3.02E-05	4.17E-06	1.62E-04	1.94E-05	1.67E-05	1.41E-06
1190	437051.4	3725319	1.53E-04	3.33E-05	3.02E-05	4.18E-06	1.63E-04	1.94E-05	1.67E-05	1.42E-06
1191	437053.6	3725261	1.53E-04	3.32E-05	3.02E-05	4.17E-06	1.62E-04	1.93E-05	1.67E-05	1.41E-06
1192	437056.1	3725194	1.51E-04	3.29E-05	2.99E-05	4.13E-06	1.61E-04	1.92E-05	1.65E-05	1.40E-06
1193	437056.5	3725184	1.51E-04	3.28E-05	2.98E-05	4.12E-06	1.60E-04	1.91E-05	1.65E-05	1.40E-06
1194	437016.7	3725482	1.31E-04	2.85E-05	2.59E-05	3.57E-06	1.39E-04	1.66E-05	1.43E-05	1.21E-06
1195	437017.1	3725472	1.31E-04	2.85E-05	2.59E-05	3.58E-06	1.40E-04	1.66E-05	1.44E-05	1.21E-06
1196	437024.6	3725270	1.39E-04	3.02E-05	2.75E-05	3.80E-06	1.48E-04	1.76E-05	1.52E-05	1.29E-06
1197	437027.5	3725193	1.38E-04	3.00E-05	2.72E-05	3.76E-06	1.46E-04	1.75E-05	1.51E-05	1.28E-06
1198	437027.8	3725184	1.38E-04	2.99E-05	2.72E-05	3.76E-06	1.46E-04	1.74E-05	1.51E-05	1.27E-06
1199	436978.1	3725492	1.15E-04	2.49E-05	2.26E-05	3.13E-06	1.22E-04	1.45E-05	1.25E-05	1.06E-06
1200	436978.4	3725483	1.15E-04	2.50E-05	2.27E-05	3.13E-06	1.22E-04	1.45E-05	1.26E-05	1.06E-06
1201	436981.6	3725397	1.19E-04	2.58E-05	2.34E-05	3.24E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
1202	436982	3725388	1.19E-04	2.59E-05	2.35E-05	3.25E-06	1.26E-04	1.51E-05	1.30E-05	1.10E-06
1203	436982.3	3725378	1.19E-04	2.60E-05	2.36E-05	3.26E-06	1.27E-04	1.51E-05	1.31E-05	1.10E-06
1204	436984.5	3725321	1.21E-04	2.64E-05	2.40E-05	3.31E-06	1.29E-04	1.54E-05	1.33E-05	1.12E-06
1205	436984.8	3725312	1.22E-04	2.64E-05	2.40E-05	3.32E-06	1.29E-04	1.54E-05	1.33E-05	1.13E-06
1206	436985.2	3725302	1.22E-04	2.65E-05	2.41E-05	3.32E-06	1.29E-04	1.54E-05	1.33E-05	1.13E-06
1207	436987.6	3725236	1.22E-04	2.66E-05	2.42E-05	3.34E-06	1.30E-04	1.55E-05	1.34E-05	1.13E-06
1208	436988	3725227	1.23E-04	2.67E-05	2.43E-05	3.36E-06	1.31E-04	1.56E-05	1.35E-05	1.14E-06
1209	436988.3	3725217	1.23E-04	2.68E-05	2.44E-05	3.36E-06	1.31E-04	1.56E-05	1.35E-05	1.14E-06
1210	436988.7	3725208	1.23E-04	2.68E-05	2.43E-05	3.36E-06	1.31E-04	1.56E-05	1.35E-05	1.14E-06
1211	436989.1	3725198	1.23E-04	2.67E-05	2.43E-05	3.36E-06	1.31E-04	1.56E-05	1.35E-05	1.14E-06
1212	436989.4	3725189	1.23E-04	2.67E-05	2.43E-05	3.36E-06	1.31E-04	1.56E-05	1.35E-05	1.14E-06
1213	436939.5	3725503	1.02E-04	2.22E-05	2.01E-05	2.78E-06	1.08E-04	1.29E-05	1.12E-05	9.43E-07
1214	436939.8	3725493	1.02E-04	2.22E-05	2.02E-05	2.79E-06	1.09E-04	1.29E-05	1.12E-05	9.45E-07
1215	436940.2	3725483	1.02E-04	2.22E-05	2.02E-05	2.79E-06	1.09E-04	1.30E-05	1.12E-05	9.47E-07
1216	436943.1	3725407	1.05E-04	2.29E-05	2.08E-05	2.87E-06	1.12E-04	1.33E-05	1.15E-05	9.74E-07
1217	436943.4	3725397	1.06E-04	2.30E-05	2.09E-05	2.88E-06	1.12E-04	1.34E-05	1.16E-05	9.77E-07
1218	436943.8	3725387	1.06E-04	2.30E-05	2.09E-05	2.89E-06	1.13E-04	1.34E-05	1.16E-05	9.81E-07
1219	436944.1	3725378	1.06E-04	2.31E-05	2.10E-05	2.90E-06	1.13E-04	1.35E-05	1.16E-05	9.84E-07
1220	436946.3	3725320	1.08E-04	2.35E-05	2.14E-05	2.95E-06	1.15E-04	1.37E-05	1.18E-05	1.00E-06
1221	436946.6	3725311	1.08E-04	2.35E-05	2.14E-05	2.95E-06	1.15E-04	1.37E-05	1.18E-05	1.00E-06
1222	436947	3725301	1.08E-04	2.35E-05	2.14E-05	2.95E-06	1.15E-04	1.37E-05	1.18E-05	1.00E-06
1223	436947.4	3725291	1.08E-04	2.35E-05	2.14E-05	2.95E-06	1.15E-04	1.37E-05	1.18E-05	1.00E-06
1224	436947.7	3725282	1.08E-04	2.35E-05	2.13E-05	2.95E-06	1.15E-04	1.37E-05	1.18E-05	9.99E-07
1225	436949.9	3725224	1.09E-04	2.37E-05	2.15E-05	2.97E-06	1.16E-04	1.38E-05	1.19E-05	1.01E-06
1226	436950.2	3725215	1.10E-04	2.38E-05	2.16E-05	2.99E-06	1.16E-04	1.39E-05	1.20E-05	1.01E-06
1227	436950.6	3725205	1.10E-04	2.39E-05	2.18E-05	3.00E-06	1.17E-04	1.39E-05	1.20E-05	1.02E-06
1228	436909	3725295	9.69E-05	2.11E-05	1.91E-05	2.65E-06	1.03E-04	1.23E-05	1.06E-05	8.97E-07

1229	436909.3	3725285	9.69E-05	2.11E-05	1.91E-05	2.64E-06	1.03E-04	1.23E-05	1.06E-05	8.96E-07
1230	436911.5	3725228	9.75E-05	2.12E-05	1.93E-05	2.66E-06	1.04E-04	1.23E-05	1.07E-05	9.02E-07
1231	436911.8	3725219	9.78E-05	2.13E-05	1.93E-05	2.67E-06	1.04E-04	1.24E-05	1.07E-05	9.05E-07
1232	436912.2	3725210	9.81E-05	2.13E-05	1.94E-05	2.68E-06	1.04E-04	1.24E-05	1.07E-05	9.07E-07
1233	436912.5	3725200	9.83E-05	2.14E-05	1.94E-05	2.68E-06	1.04E-04	1.24E-05	1.08E-05	9.09E-07
1234	436915.7	3725115	9.63E-05	2.09E-05	1.90E-05	2.63E-06	1.02E-04	1.22E-05	1.05E-05	8.91E-07
1235	436916.1	3725105	9.59E-05	2.08E-05	1.89E-05	2.62E-06	1.02E-04	1.21E-05	1.05E-05	8.87E-07
1236	436862.6	3725514	8.38E-05	1.82E-05	1.65E-05	2.29E-06	8.90E-05	1.06E-05	9.16E-06	7.75E-07
1237	436863	3725504	8.39E-05	1.82E-05	1.66E-05	2.29E-06	8.91E-05	1.06E-05	9.18E-06	7.76E-07
1238	436863.3	3725495	8.41E-05	1.83E-05	1.66E-05	2.29E-06	8.93E-05	1.06E-05	9.19E-06	7.77E-07
1239	436863.7	3725485	8.42E-05	1.83E-05	1.66E-05	2.30E-06	8.94E-05	1.07E-05	9.21E-06	7.79E-07
1240	436866.5	3725408	8.62E-05	1.87E-05	1.70E-05	2.35E-06	9.16E-05	1.09E-05	9.43E-06	7.97E-07
1241	436866.9	3725399	8.65E-05	1.88E-05	1.71E-05	2.36E-06	9.19E-05	1.10E-05	9.46E-06	8.00E-07
1242	436867.3	3725389	8.68E-05	1.89E-05	1.71E-05	2.37E-06	9.22E-05	1.10E-05	9.50E-06	8.03E-07
1243	436869.4	3725332	8.77E-05	1.91E-05	1.73E-05	2.39E-06	9.32E-05	1.11E-05	9.59E-06	8.11E-07
1244	436869.8	3725322	8.78E-05	1.91E-05	1.73E-05	2.39E-06	9.32E-05	1.11E-05	9.60E-06	8.12E-07
1245	436870.1	3725312	8.78E-05	1.91E-05	1.73E-05	2.40E-06	9.33E-05	1.11E-05	9.60E-06	8.12E-07
1246	436870.5	3725303	8.78E-05	1.91E-05	1.73E-05	2.40E-06	9.33E-05	1.11E-05	9.60E-06	8.12E-07
1247	436870.8	3725293	8.78E-05	1.91E-05	1.73E-05	2.40E-06	9.33E-05	1.11E-05	9.60E-06	8.12E-07
1248	436871.2	3725284	8.77E-05	1.91E-05	1.73E-05	2.39E-06	9.32E-05	1.11E-05	9.59E-06	8.11E-07
1249	436873.3	3725226	8.87E-05	1.93E-05	1.75E-05	2.42E-06	9.42E-05	1.12E-05	9.71E-06	8.21E-07
1250	436873.7	3725217	8.91E-05	1.94E-05	1.76E-05	2.43E-06	9.47E-05	1.13E-05	9.75E-06	8.24E-07
1251	436874	3725207	8.95E-05	1.94E-05	1.77E-05	2.44E-06	9.51E-05	1.13E-05	9.79E-06	8.28E-07
1252	436874.4	3725197	8.96E-05	1.95E-05	1.77E-05	2.45E-06	9.52E-05	1.14E-05	9.81E-06	8.29E-07
1253	436824.4	3725514	7.70E-05	1.67E-05	1.52E-05	2.10E-06	8.18E-05	9.76E-06	8.43E-06	7.13E-07
1254	436824.7	3725505	7.71E-05	1.68E-05	1.52E-05	2.10E-06	8.19E-05	9.77E-06	8.44E-06	7.14E-07
1255	436825.1	3725495	7.72E-05	1.68E-05	1.53E-05	2.11E-06	8.20E-05	9.78E-06	8.45E-06	7.14E-07
1256	436825.4	3725485	7.74E-05	1.68E-05	1.53E-05	2.11E-06	8.22E-05	9.80E-06	8.47E-06	7.16E-07
1257	436828.3	3725408	7.88E-05	1.71E-05	1.56E-05	2.15E-06	8.38E-05	9.98E-06	8.63E-06	7.29E-07
1258	436828.7	3725398	7.91E-05	1.72E-05	1.56E-05	2.16E-06	8.40E-05	1.00E-05	8.65E-06	7.32E-07
1259	436829.1	3725389	7.93E-05	1.72E-05	1.57E-05	2.16E-06	8.42E-05	1.00E-05	8.67E-06	7.33E-07
1260	436831.2	3725330	8.04E-05	1.75E-05	1.59E-05	2.19E-06	8.54E-05	1.02E-05	8.80E-06	7.44E-07
1261	436831.6	3725321	8.05E-05	1.75E-05	1.59E-05	2.20E-06	8.55E-05	1.02E-05	8.80E-06	7.44E-07
1262	436831.9	3725311	8.05E-05	1.75E-05	1.59E-05	2.20E-06	8.55E-05	1.02E-05	8.81E-06	7.45E-07
1263	436832.3	3725301	8.05E-05	1.75E-05	1.59E-05	2.20E-06	8.55E-05	1.02E-05	8.81E-06	7.45E-07
1264	436832.7	3725292	8.06E-05	1.75E-05	1.59E-05	2.20E-06	8.56E-05	1.02E-05	8.81E-06	7.45E-07
1265	436834.8	3725234	8.08E-05	1.76E-05	1.60E-05	2.21E-06	8.59E-05	1.02E-05	8.84E-06	7.48E-07
1266	436835.2	3725224	8.12E-05	1.76E-05	1.60E-05	2.22E-06	8.63E-05	1.03E-05	8.89E-06	7.51E-07
1267	436835.5	3725214	8.16E-05	1.77E-05	1.61E-05	2.23E-06	8.67E-05	1.03E-05	8.93E-06	7.55E-07
1268	436835.9	3725205	8.20E-05	1.78E-05	1.62E-05	2.24E-06	8.71E-05	1.04E-05	8.97E-06	7.58E-07
1269	436836.3	3725195	8.20E-05	1.78E-05	1.62E-05	2.24E-06	8.71E-05	1.04E-05	8.97E-06	7.58E-07
1270	436838.8	3725127	8.09E-05	1.76E-05	1.60E-05	2.21E-06	8.60E-05	1.02E-05	8.85E-06	7.49E-07
1271	436839.2	3725118	8.07E-05	1.75E-05	1.59E-05	2.20E-06	8.57E-05	1.02E-05	8.83E-06	7.46E-07
1272	436839.5	3725108	8.03E-05	1.74E-05	1.59E-05	2.19E-06	8.53E-05	1.02E-05	8.79E-06	7.43E-07
1273	436839.9	3725098	7.99E-05	1.74E-05	1.58E-05	2.18E-06	8.49E-05	1.01E-05	8.74E-06	7.39E-07
1274	436792.9	3725334	7.42E-05	1.61E-05	1.47E-05	2.02E-06	7.88E-05	9.39E-06	8.11E-06	6.86E-07
1275	436793.2	3725324	7.42E-05	1.61E-05	1.47E-05	2.03E-06	7.88E-05	9.40E-06	8.12E-06	6.87E-07
1276	436793.6	3725314	7.42E-05	1.61E-05	1.47E-05	2.03E-06	7.88E-05	9.40E-06	8.12E-06	6.87E-07
1277	436793.9	3725305	7.42E-05	1.61E-05	1.47E-05	2.03E-06	7.88E-05	9.40E-06	8.12E-06	6.87E-07
1278	436794.3	3725295	7.42E-05	1.61E-05	1.47E-05	2.03E-06	7.88E-05	9.40E-06	8.12E-06	6.87E-07
1279	436794.7	3725286	7.43E-05	1.61E-05	1.47E-05	2.03E-06	7.89E-05	9.40E-06	8.13E-06	6.87E-07
1280	436796.8	3725228	7.48E-05	1.62E-05	1.48E-05	2.04E-06	7.94E-05	9.47E-06	8.18E-06	6.91E-07
1281	436797.2	3725219	7.49E-05	1.63E-05	1.48E-05	2.04E-06	7.95E-05	9.48E-06	8.19E-06	6.92E-07
1282	436797.5	3725209	7.50E-05	1.63E-05	1.48E-05	2.05E-06	7.96E-05	9.49E-06	8.20E-06	6.93E-07
1283	436797.9	3725199	7.50E-05	1.63E-05	1.48E-05	2.05E-06	7.96E-05	9.49E-06	8.20E-06	6.93E-07
1284	436800.7	3725123	7.45E-05	1.62E-05	1.47E-05	2.03E-06	7.92E-05	9.44E-06	8.15E-06	6.89E-07

1285	436801.1	3725113	7.44E-05	1.62E-05	1.47E-05	2.03E-06	7.91E-05	9.42E-06	8.14E-06	6.88E-07
1286	436801.4	3725104	7.43E-05	1.61E-05	1.47E-05	2.03E-06	7.89E-05	9.40E-06	8.13E-06	6.87E-07
1287	436801.8	3725094	7.41E-05	1.61E-05	1.46E-05	2.02E-06	7.87E-05	9.38E-06	8.10E-06	6.85E-07
1288	436802.2	3725085	7.39E-05	1.61E-05	1.46E-05	2.02E-06	7.85E-05	9.36E-06	8.09E-06	6.84E-07
1289	436771.9	3725605	7.06E-05	1.53E-05	1.39E-05	1.93E-06	7.50E-05	8.94E-06	7.72E-06	6.53E-07
1290	436766.8	3725597	7.00E-05	1.52E-05	1.38E-05	1.91E-06	7.44E-05	8.86E-06	7.66E-06	6.47E-07
1291	436750.7	3725439	6.90E-05	1.50E-05	1.36E-05	1.88E-06	7.33E-05	8.74E-06	7.55E-06	6.38E-07
1292	436751.1	3725429	6.91E-05	1.50E-05	1.37E-05	1.89E-06	7.34E-05	8.75E-06	7.56E-06	6.39E-07
1293	436754.7	3725332	6.92E-05	1.50E-05	1.37E-05	1.89E-06	7.35E-05	8.76E-06	7.57E-06	6.40E-07
1294	436755.1	3725323	6.91E-05	1.50E-05	1.37E-05	1.89E-06	7.34E-05	8.75E-06	7.56E-06	6.39E-07
1295	436755.4	3725313	6.90E-05	1.50E-05	1.36E-05	1.88E-06	7.33E-05	8.74E-06	7.55E-06	6.38E-07
1296	436755.8	3725303	6.90E-05	1.50E-05	1.36E-05	1.88E-06	7.33E-05	8.73E-06	7.55E-06	6.38E-07
1297	436756.1	3725294	6.89E-05	1.50E-05	1.36E-05	1.88E-06	7.32E-05	8.73E-06	7.54E-06	6.37E-07
1298	436758.3	3725236	6.92E-05	1.50E-05	1.37E-05	1.89E-06	7.35E-05	8.76E-06	7.57E-06	6.40E-07
1299	436758.7	3725226	6.92E-05	1.50E-05	1.37E-05	1.89E-06	7.35E-05	8.76E-06	7.57E-06	6.40E-07
1300	436759	3725216	6.93E-05	1.50E-05	1.37E-05	1.89E-06	7.36E-05	8.77E-06	7.58E-06	6.41E-07
1301	436759.4	3725207	6.94E-05	1.51E-05	1.37E-05	1.89E-06	7.37E-05	8.78E-06	7.59E-06	6.42E-07
1302	436759.7	3725197	6.93E-05	1.50E-05	1.37E-05	1.89E-06	7.36E-05	8.77E-06	7.58E-06	6.41E-07
1303	436762.3	3725130	6.89E-05	1.50E-05	1.36E-05	1.88E-06	7.32E-05	8.73E-06	7.54E-06	6.37E-07
1304	436762.6	3725120	6.89E-05	1.50E-05	1.36E-05	1.88E-06	7.32E-05	8.73E-06	7.54E-06	6.37E-07
1305	436763	3725110	6.91E-05	1.50E-05	1.36E-05	1.88E-06	7.34E-05	8.75E-06	7.56E-06	6.39E-07
1306	436763.3	3725101	6.92E-05	1.50E-05	1.37E-05	1.89E-06	7.35E-05	8.76E-06	7.57E-06	6.40E-07
1307	436763.7	3725091	6.94E-05	1.51E-05	1.37E-05	1.89E-06	7.37E-05	8.78E-06	7.59E-06	6.42E-07
1308	436764.1	3725081	6.95E-05	1.51E-05	1.37E-05	1.90E-06	7.38E-05	8.80E-06	7.60E-06	6.42E-07
1309	436779.2	3725688	7.34E-05	1.59E-05	1.45E-05	2.00E-06	7.79E-05	9.29E-06	8.02E-06	6.78E-07
1310	436774.1	3725680	7.27E-05	1.58E-05	1.44E-05	1.98E-06	7.72E-05	9.21E-06	7.96E-06	6.73E-07
1311	436769	3725672	7.20E-05	1.56E-05	1.42E-05	1.96E-06	7.65E-05	9.12E-06	7.88E-06	6.66E-07
1312	436763.9	3725664	7.12E-05	1.55E-05	1.41E-05	1.94E-06	7.56E-05	9.01E-06	7.78E-06	6.58E-07
1313	436758.7	3725656	7.03E-05	1.53E-05	1.39E-05	1.92E-06	7.47E-05	8.91E-06	7.69E-06	6.51E-07
1314	436753.6	3725648	6.95E-05	1.51E-05	1.37E-05	1.90E-06	7.38E-05	8.80E-06	7.60E-06	6.43E-07
1315	436748.5	3725639	6.88E-05	1.49E-05	1.36E-05	1.88E-06	7.31E-05	8.71E-06	7.52E-06	6.36E-07
1316	436743.3	3725631	6.81E-05	1.48E-05	1.35E-05	1.86E-06	7.23E-05	8.62E-06	7.45E-06	6.30E-07
1317	436738.2	3725623	6.75E-05	1.47E-05	1.33E-05	1.84E-06	7.17E-05	8.54E-06	7.38E-06	6.24E-07
1318	436712.4	3725441	6.59E-05	1.43E-05	1.30E-05	1.80E-06	7.00E-05	8.34E-06	7.20E-06	6.09E-07
1319	436712.8	3725431	6.61E-05	1.44E-05	1.30E-05	1.80E-06	7.02E-05	8.36E-06	7.23E-06	6.11E-07
1320	436713.1	3725422	6.62E-05	1.44E-05	1.31E-05	1.81E-06	7.03E-05	8.38E-06	7.24E-06	6.12E-07
1321	436716.4	3725336	6.47E-05	1.41E-05	1.28E-05	1.77E-06	6.88E-05	8.20E-06	7.08E-06	5.99E-07
1322	436716.7	3725326	6.46E-05	1.40E-05	1.28E-05	1.76E-06	6.87E-05	8.19E-06	7.07E-06	5.98E-07
1323	436717.1	3725316	6.45E-05	1.40E-05	1.27E-05	1.76E-06	6.86E-05	8.17E-06	7.06E-06	5.97E-07
1324	436717.4	3725307	6.44E-05	1.40E-05	1.27E-05	1.76E-06	6.84E-05	8.15E-06	7.05E-06	5.96E-07
1325	436717.8	3725297	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.95E-07
1326	436719.9	3725240	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.95E-07
1327	436720.3	3725230	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.95E-07
1328	436720.6	3725221	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.95E-07
1329	436721	3725211	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.95E-07
1330	436721.3	3725202	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.95E-07
1331	436721.7	3725192	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.95E-07
1332	436724.6	3725115	6.45E-05	1.40E-05	1.27E-05	1.76E-06	6.85E-05	8.17E-06	7.06E-06	5.97E-07
1333	436724.9	3725106	6.48E-05	1.41E-05	1.28E-05	1.77E-06	6.89E-05	8.21E-06	7.09E-06	6.00E-07
1334	436725.3	3725096	6.52E-05	1.42E-05	1.29E-05	1.78E-06	6.92E-05	8.25E-06	7.13E-06	6.03E-07
1335	436725.6	3725087	6.56E-05	1.42E-05	1.30E-05	1.79E-06	6.96E-05	8.30E-06	7.17E-06	6.06E-07
1336	436751.6	3725716	6.95E-05	1.51E-05	1.37E-05	1.90E-06	7.38E-05	8.80E-06	7.60E-06	6.43E-07
1337	436746.4	3725707	6.93E-05	1.50E-05	1.37E-05	1.89E-06	7.36E-05	8.77E-06	7.58E-06	6.41E-07
1338	436741.2	3725699	6.90E-05	1.50E-05	1.36E-05	1.88E-06	7.33E-05	8.74E-06	7.55E-06	6.38E-07
1339	436736	3725691	6.84E-05	1.49E-05	1.35E-05	1.87E-06	7.27E-05	8.67E-06	7.49E-06	6.33E-07
1340	436730.9	3725683	6.79E-05	1.47E-05	1.34E-05	1.85E-06	7.21E-05	8.59E-06	7.42E-06	6.28E-07

1341	436725.7	3725675	6.73E-05	1.46E-05	1.33E-05	1.84E-06	7.15E-05	8.52E-06	7.36E-06	6.22E-07
1342	436720.5	3725667	6.65E-05	1.45E-05	1.31E-05	1.82E-06	7.07E-05	8.43E-06	7.28E-06	6.15E-07
1343	436715.4	3725659	6.58E-05	1.43E-05	1.30E-05	1.80E-06	6.99E-05	8.33E-06	7.20E-06	6.09E-07
1344	436710.2	3725650	6.52E-05	1.42E-05	1.29E-05	1.78E-06	6.92E-05	8.25E-06	7.13E-06	6.03E-07
1345	436705	3725642	6.46E-05	1.40E-05	1.28E-05	1.76E-06	6.86E-05	8.18E-06	7.07E-06	5.97E-07
1346	436670.6	3725537	6.07E-05	1.32E-05	1.20E-05	1.65E-06	6.44E-05	7.68E-06	6.64E-06	5.61E-07
1347	436671	3725527	6.08E-05	1.32E-05	1.20E-05	1.66E-06	6.46E-05	7.70E-06	6.65E-06	5.62E-07
1348	436674.2	3725440	6.26E-05	1.36E-05	1.24E-05	1.71E-06	6.65E-05	7.93E-06	6.85E-06	5.79E-07
1349	436674.6	3725431	6.27E-05	1.36E-05	1.24E-05	1.71E-06	6.65E-05	7.93E-06	6.85E-06	5.79E-07
1350	436674.9	3725421	6.27E-05	1.36E-05	1.24E-05	1.71E-06	6.67E-05	7.95E-06	6.86E-06	5.80E-07
1351	436675.3	3725412	6.28E-05	1.37E-05	1.24E-05	1.71E-06	6.68E-05	7.96E-06	6.87E-06	5.81E-07
1352	436678.2	3725334	6.11E-05	1.33E-05	1.21E-05	1.67E-06	6.49E-05	7.74E-06	6.68E-06	5.65E-07
1353	436678.5	3725325	6.09E-05	1.32E-05	1.20E-05	1.66E-06	6.47E-05	7.71E-06	6.66E-06	5.63E-07
1354	436678.9	3725315	6.08E-05	1.32E-05	1.20E-05	1.66E-06	6.45E-05	7.69E-06	6.65E-06	5.62E-07
1355	436679.2	3725305	6.06E-05	1.32E-05	1.20E-05	1.65E-06	6.44E-05	7.67E-06	6.63E-06	5.61E-07
1356	436679.6	3725296	6.05E-05	1.31E-05	1.19E-05	1.65E-06	6.42E-05	7.66E-06	6.61E-06	5.59E-07
1357	436681.8	3725238	6.03E-05	1.31E-05	1.19E-05	1.64E-06	6.40E-05	7.63E-06	6.59E-06	5.57E-07
1358	436682.1	3725228	6.03E-05	1.31E-05	1.19E-05	1.64E-06	6.40E-05	7.63E-06	6.59E-06	5.57E-07
1359	436682.5	3725219	6.03E-05	1.31E-05	1.19E-05	1.64E-06	6.40E-05	7.63E-06	6.59E-06	5.57E-07
1360	436682.8	3725209	6.03E-05	1.31E-05	1.19E-05	1.64E-06	6.40E-05	7.63E-06	6.59E-06	5.57E-07
1361	436683.2	3725199	6.03E-05	1.31E-05	1.19E-05	1.65E-06	6.41E-05	7.64E-06	6.60E-06	5.58E-07
1362	436686.4	3725112	6.09E-05	1.32E-05	1.20E-05	1.66E-06	6.46E-05	7.71E-06	6.66E-06	5.63E-07
1363	436686.8	3725103	6.09E-05	1.32E-05	1.20E-05	1.66E-06	6.46E-05	7.71E-06	6.66E-06	5.63E-07
1364	436687.2	3725093	6.09E-05	1.32E-05	1.20E-05	1.66E-06	6.46E-05	7.71E-06	6.66E-06	5.63E-07
1365	436712.2	3725725	6.54E-05	1.42E-05	1.29E-05	1.78E-06	6.94E-05	8.28E-06	7.15E-06	6.05E-07
1366	436707.1	3725717	6.49E-05	1.41E-05	1.28E-05	1.77E-06	6.90E-05	8.22E-06	7.10E-06	6.01E-07
1367	436702	3725709	6.44E-05	1.40E-05	1.27E-05	1.76E-06	6.84E-05	8.15E-06	7.05E-06	5.96E-07
1368	436696.8	3725701	6.39E-05	1.39E-05	1.26E-05	1.74E-06	6.78E-05	8.09E-06	6.99E-06	5.91E-07
1369	436691.7	3725693	6.33E-05	1.38E-05	1.25E-05	1.73E-06	6.73E-05	8.02E-06	6.93E-06	5.86E-07
1370	436686.6	3725685	6.28E-05	1.37E-05	1.24E-05	1.71E-06	6.68E-05	7.96E-06	6.87E-06	5.81E-07
1371	436681.5	3725676	6.23E-05	1.35E-05	1.23E-05	1.70E-06	6.62E-05	7.89E-06	6.82E-06	5.76E-07
1372	436676.3	3725668	6.18E-05	1.34E-05	1.22E-05	1.69E-06	6.56E-05	7.82E-06	6.76E-06	5.71E-07
1373	436671.2	3725660	6.13E-05	1.33E-05	1.21E-05	1.67E-06	6.51E-05	7.76E-06	6.70E-06	5.67E-07
1374	436666.1	3725652	6.08E-05	1.32E-05	1.20E-05	1.66E-06	6.46E-05	7.70E-06	6.65E-06	5.62E-07
1375	436661	3725644	6.03E-05	1.31E-05	1.19E-05	1.65E-06	6.41E-05	7.64E-06	6.60E-06	5.58E-07
1376	436655.8	3725636	5.98E-05	1.30E-05	1.18E-05	1.63E-06	6.36E-05	7.58E-06	6.54E-06	5.53E-07
1377	436650.7	3725628	5.93E-05	1.29E-05	1.17E-05	1.62E-06	6.30E-05	7.51E-06	6.49E-06	5.49E-07
1378	436645.6	3725620	5.89E-05	1.28E-05	1.16E-05	1.61E-06	6.26E-05	7.46E-06	6.44E-06	5.45E-07
1379	436640.5	3725612	5.85E-05	1.27E-05	1.15E-05	1.60E-06	6.21E-05	7.40E-06	6.40E-06	5.41E-07
1380	436635.3	3725604	5.80E-05	1.26E-05	1.15E-05	1.58E-06	6.16E-05	7.35E-06	6.35E-06	5.37E-07
1381	436630.6	3725586	5.75E-05	1.25E-05	1.14E-05	1.57E-06	6.11E-05	7.29E-06	6.29E-06	5.32E-07
1382	436630.9	3725576	5.75E-05	1.25E-05	1.14E-05	1.57E-06	6.11E-05	7.28E-06	6.29E-06	5.32E-07
1383	436631.3	3725567	5.74E-05	1.25E-05	1.13E-05	1.57E-06	6.10E-05	7.27E-06	6.28E-06	5.31E-07
1384	436631.6	3725557	5.76E-05	1.25E-05	1.14E-05	1.57E-06	6.12E-05	7.30E-06	6.31E-06	5.33E-07
1385	436632	3725548	5.79E-05	1.26E-05	1.14E-05	1.58E-06	6.15E-05	7.33E-06	6.33E-06	5.35E-07
1386	436632.3	3725538	5.80E-05	1.26E-05	1.15E-05	1.58E-06	6.16E-05	7.34E-06	6.34E-06	5.36E-07
1387	436632.7	3725529	5.80E-05	1.26E-05	1.15E-05	1.58E-06	6.16E-05	7.35E-06	6.35E-06	5.37E-07
1388	436633.1	3725519	5.81E-05	1.26E-05	1.15E-05	1.59E-06	6.17E-05	7.36E-06	6.36E-06	5.38E-07
1389	436633.4	3725510	5.82E-05	1.26E-05	1.15E-05	1.59E-06	6.18E-05	7.37E-06	6.36E-06	5.38E-07
1390	436643.4	3725242	5.68E-05	1.23E-05	1.12E-05	1.55E-06	6.03E-05	7.19E-06	6.22E-06	5.25E-07
1391	437682.2	3725421	4.19E-02	9.10E-03	8.27E-03	1.14E-03	4.45E-02	5.30E-03	4.58E-03	3.87E-04
1392	437676	3725429	3.25E-02	7.05E-03	6.41E-03	8.86E-04	3.45E-02	4.11E-03	3.55E-03	3.00E-04
1393	437669.7	3725437	2.59E-02	5.63E-03	5.12E-03	7.08E-04	2.75E-02	3.28E-03	2.84E-03	2.40E-04
1394	437663.5	3725444	2.12E-02	4.60E-03	4.18E-03	5.78E-04	2.25E-02	2.68E-03	2.32E-03	1.96E-04
1395	437657.2	3725452	1.76E-02	3.82E-03	3.47E-03	4.80E-04	1.87E-02	2.23E-03	1.92E-03	1.63E-04
1396	437645.1	3725455	1.48E-02	3.21E-03	2.91E-03	4.03E-04	1.57E-02	1.87E-03	1.61E-03	1.36E-04

1397	437638.9	3725463	1.25E-02	2.71E-03	2.47E-03	3.41E-04	1.33E-02	1.58E-03	1.37E-03	1.16E-04
1398	437607.6	3725502	6.11E-03	1.33E-03	1.21E-03	1.67E-04	6.49E-03	7.74E-04	6.68E-04	5.65E-05
1399	437595.1	3725518	4.79E-03	1.04E-03	9.45E-04	1.31E-04	5.08E-03	6.06E-04	5.23E-04	4.43E-05
1400	437582.6	3725533	3.82E-03	8.30E-04	7.55E-04	1.04E-04	4.06E-03	4.84E-04	4.18E-04	3.53E-05
1401	437570.1	3725549	3.10E-03	6.73E-04	6.12E-04	8.45E-05	3.29E-03	3.92E-04	3.39E-04	2.87E-05
1402	437631.4	3725681	1.86E-03	4.04E-04	3.67E-04	5.07E-05	1.98E-03	2.36E-04	2.03E-04	1.72E-05
1403	437617.3	3725676	1.80E-03	3.90E-04	3.55E-04	4.90E-05	1.91E-03	2.27E-04	1.96E-04	1.66E-05
1404	437603.2	3725672	1.72E-03	3.74E-04	3.40E-04	4.70E-05	1.83E-03	2.18E-04	1.89E-04	1.59E-05
1405	437661	3725710	1.75E-03	3.81E-04	3.46E-04	4.78E-05	1.86E-03	2.22E-04	1.92E-04	1.62E-05
1406	437646.9	3725705	1.70E-03	3.70E-04	3.36E-04	4.64E-05	1.81E-03	2.16E-04	1.86E-04	1.57E-05
1407	437632.7	3725701	1.66E-03	3.60E-04	3.27E-04	4.52E-05	1.76E-03	2.10E-04	1.81E-04	1.53E-05
1408	437618.6	3725696	1.60E-03	3.48E-04	3.17E-04	4.38E-05	1.70E-03	2.03E-04	1.75E-04	1.48E-05
1409	437604.5	3725692	1.54E-03	3.34E-04	3.04E-04	4.20E-05	1.63E-03	1.95E-04	1.68E-04	1.42E-05
1410	437590.3	3725687	1.47E-03	3.19E-04	2.90E-04	4.01E-05	1.56E-03	1.86E-04	1.61E-04	1.36E-05
1411	437576.2	3725682	1.40E-03	3.05E-04	2.77E-04	3.83E-05	1.49E-03	1.78E-04	1.54E-04	1.30E-05
1412	437578	3725712	1.22E-03	2.66E-04	2.42E-04	3.34E-05	1.30E-03	1.55E-04	1.34E-04	1.13E-05
1413	437563.9	3725707	1.17E-03	2.54E-04	2.31E-04	3.19E-05	1.24E-03	1.48E-04	1.28E-04	1.08E-05
1414	437549.7	3725703	1.10E-03	2.40E-04	2.18E-04	3.01E-05	1.17E-03	1.40E-04	1.21E-04	1.02E-05
1415	437722	3725788	1.36E-03	2.96E-04	2.69E-04	3.71E-05	1.44E-03	1.72E-04	1.49E-04	1.26E-05
1416	437707.8	3725784	1.35E-03	2.92E-04	2.66E-04	3.67E-05	1.43E-03	1.70E-04	1.47E-04	1.24E-05
1417	437693.6	3725779	1.33E-03	2.88E-04	2.62E-04	3.62E-05	1.41E-03	1.68E-04	1.45E-04	1.23E-05
1418	437752.3	3725822	1.23E-03	2.68E-04	2.43E-04	3.36E-05	1.31E-03	1.56E-04	1.35E-04	1.14E-05
1419	437738.5	3725823	1.18E-03	2.57E-04	2.34E-04	3.23E-05	1.26E-03	1.50E-04	1.29E-04	1.09E-05
1420	437724.3	3725818	1.17E-03	2.53E-04	2.30E-04	3.18E-05	1.24E-03	1.48E-04	1.27E-04	1.08E-05
1421	437710	3725814	1.15E-03	2.49E-04	2.26E-04	3.13E-05	1.22E-03	1.45E-04	1.25E-04	1.06E-05
1422	437695.8	3725809	1.13E-03	2.46E-04	2.24E-04	3.09E-05	1.20E-03	1.43E-04	1.24E-04	1.05E-05
1423	437681.5	3725804	1.12E-03	2.42E-04	2.20E-04	3.04E-05	1.19E-03	1.41E-04	1.22E-04	1.03E-05
1424	437553.4	3725762	8.63E-04	1.88E-04	1.70E-04	2.35E-05	9.17E-04	1.09E-04	9.44E-05	7.98E-06
1425	437539.2	3725758	8.24E-04	1.79E-04	1.63E-04	2.25E-05	8.75E-04	1.04E-04	9.01E-05	7.62E-06
1426	437525	3725753	7.85E-04	1.71E-04	1.55E-04	2.14E-05	8.34E-04	9.94E-05	8.59E-05	7.26E-06
1427	437774.7	3725842	1.19E-03	2.57E-04	2.34E-04	3.23E-05	1.26E-03	1.50E-04	1.30E-04	1.10E-05
1428	437761.3	3725848	1.12E-03	2.43E-04	2.21E-04	3.05E-05	1.19E-03	1.42E-04	1.22E-04	1.03E-05
1429	437740.8	3725853	1.04E-03	2.26E-04	2.06E-04	2.84E-05	1.11E-03	1.32E-04	1.14E-04	9.64E-06
1430	437726.5	3725848	1.02E-03	2.22E-04	2.02E-04	2.79E-05	1.09E-03	1.30E-04	1.12E-04	9.46E-06
1431	437598.2	3725806	8.47E-04	1.84E-04	1.67E-04	2.31E-05	8.99E-04	1.07E-04	9.26E-05	7.83E-06
1432	437583.9	3725801	8.23E-04	1.79E-04	1.63E-04	2.25E-05	8.75E-04	1.04E-04	9.01E-05	7.62E-06
1433	437569.7	3725797	7.97E-04	1.73E-04	1.57E-04	2.18E-05	8.47E-04	1.01E-04	8.72E-05	7.37E-06
1434	437555.4	3725792	7.69E-04	1.67E-04	1.52E-04	2.10E-05	8.17E-04	9.74E-05	8.41E-05	7.11E-06
1435	437541.1	3725787	7.37E-04	1.60E-04	1.46E-04	2.01E-05	7.83E-04	9.33E-05	8.06E-05	6.82E-06
1436	437526.9	3725783	7.05E-04	1.53E-04	1.39E-04	1.92E-05	7.49E-04	8.93E-05	7.71E-05	6.52E-06
1437	437810.5	3725854	1.20E-03	2.61E-04	2.37E-04	3.28E-05	1.28E-03	1.52E-04	1.32E-04	1.11E-05
1438	437797.1	3725861	1.14E-03	2.48E-04	2.26E-04	3.12E-05	1.21E-03	1.45E-04	1.25E-04	1.06E-05
1439	437783.7	3725868	1.08E-03	2.35E-04	2.14E-04	2.96E-05	1.15E-03	1.37E-04	1.19E-04	1.00E-05
1440	437770.3	3725875	1.03E-03	2.24E-04	2.03E-04	2.81E-05	1.09E-03	1.30E-04	1.13E-04	9.52E-06
1441	437614.5	3725841	7.59E-04	1.65E-04	1.50E-04	2.07E-05	8.07E-04	9.62E-05	8.31E-05	7.02E-06
1442	437600.2	3725836	7.43E-04	1.61E-04	1.47E-04	2.03E-05	7.89E-04	9.41E-05	8.13E-05	6.87E-06
1443	437557.4	3725822	6.87E-04	1.49E-04	1.36E-04	1.87E-05	7.29E-04	8.69E-05	7.51E-05	6.35E-06
1444	437833	3725874	1.15E-03	2.49E-04	2.27E-04	3.13E-05	1.22E-03	1.45E-04	1.26E-04	1.06E-05
1445	437819.6	3725881	1.10E-03	2.39E-04	2.17E-04	3.00E-05	1.17E-03	1.39E-04	1.20E-04	1.02E-05
1446	437806.2	3725888	1.05E-03	2.28E-04	2.07E-04	2.86E-05	1.11E-03	1.33E-04	1.15E-04	9.69E-06
1447	437792.8	3725895	1.00E-03	2.17E-04	1.98E-04	2.73E-05	1.06E-03	1.27E-04	1.09E-04	9.25E-06
1448	437645.3	3725880	7.14E-04	1.55E-04	1.41E-04	1.95E-05	7.59E-04	9.04E-05	7.81E-05	6.61E-06
1449	437631	3725875	6.94E-04	1.51E-04	1.37E-04	1.89E-05	7.37E-04	8.79E-05	7.59E-05	6.42E-06
1450	437616.7	3725870	6.75E-04	1.47E-04	1.33E-04	1.84E-05	7.17E-04	8.55E-05	7.39E-05	6.25E-06
1451	437602.4	3725866	6.59E-04	1.43E-04	1.30E-04	1.80E-05	7.01E-04	8.35E-05	7.21E-05	6.10E-06
1452	437855.5	3725894	1.08E-03	2.35E-04	2.14E-04	2.95E-05	1.15E-03	1.37E-04	1.18E-04	1.00E-05

1453	437842.1	3725901	1.04E-03	2.27E-04	2.06E-04	2.85E-05	1.11E-03	1.32E-04	1.14E-04	9.65E-06
1454	437828.7	3725907	1.00E-03	2.18E-04	1.98E-04	2.74E-05	1.07E-03	1.27E-04	1.10E-04	9.28E-06
1455	437815.3	3725914	9.61E-04	2.09E-04	1.90E-04	2.62E-05	1.02E-03	1.22E-04	1.05E-04	8.89E-06
1456	437801.8	3725921	9.19E-04	2.00E-04	1.82E-04	2.51E-05	9.77E-04	1.16E-04	1.01E-04	8.50E-06
1457	437788.4	3725928	8.78E-04	1.91E-04	1.73E-04	2.40E-05	9.33E-04	1.11E-04	9.61E-05	8.12E-06
1458	437690.4	3725924	7.15E-04	1.55E-04	1.41E-04	1.95E-05	7.59E-04	9.05E-05	7.82E-05	6.61E-06
1459	437676.1	3725919	6.96E-04	1.51E-04	1.37E-04	1.90E-05	7.39E-04	8.81E-05	7.61E-05	6.43E-06
1460	437878.1	3725913	1.02E-03	2.21E-04	2.01E-04	2.78E-05	1.08E-03	1.29E-04	1.11E-04	9.41E-06
1461	437864.7	3725920	9.84E-04	2.14E-04	1.94E-04	2.69E-05	1.05E-03	1.25E-04	1.08E-04	9.10E-06
1462	437851.2	3725927	9.50E-04	2.06E-04	1.88E-04	2.59E-05	1.01E-03	1.20E-04	1.04E-04	8.79E-06
1463	437837.8	3725934	9.14E-04	1.99E-04	1.81E-04	2.49E-05	9.71E-04	1.16E-04	1.00E-04	8.46E-06
1464	437824.4	3725941	8.78E-04	1.91E-04	1.73E-04	2.40E-05	9.33E-04	1.11E-04	9.60E-05	8.12E-06
1465	437810.9	3725948	8.42E-04	1.83E-04	1.66E-04	2.30E-05	8.94E-04	1.07E-04	9.21E-05	7.79E-06
1466	437797.5	3725954	8.06E-04	1.75E-04	1.59E-04	2.20E-05	8.56E-04	1.02E-04	8.82E-05	7.46E-06
1467	437735.6	3725968	6.94E-04	1.51E-04	1.37E-04	1.89E-05	7.37E-04	8.79E-05	7.59E-05	6.42E-06
1468	437721.3	3725963	6.82E-04	1.48E-04	1.35E-04	1.86E-05	7.24E-04	8.63E-05	7.46E-05	6.30E-06
1469	437707	3725958	6.69E-04	1.45E-04	1.32E-04	1.82E-05	7.10E-04	8.47E-05	7.31E-05	6.18E-06
1470	437692.6	3725954	6.54E-04	1.42E-04	1.29E-04	1.78E-05	6.94E-04	8.28E-05	7.15E-05	6.04E-06
1471	437678.3	3725949	6.38E-04	1.39E-04	1.26E-04	1.74E-05	6.77E-04	8.07E-05	6.97E-05	5.90E-06
1472	437664	3725944	6.20E-04	1.35E-04	1.22E-04	1.69E-05	6.59E-04	7.85E-05	6.78E-05	5.73E-06
1473	437649.6	3725940	6.02E-04	1.31E-04	1.19E-04	1.64E-05	6.39E-04	7.62E-05	6.58E-05	5.57E-06
1474	437846.9	3725960	8.38E-04	1.82E-04	1.66E-04	2.29E-05	8.90E-04	1.06E-04	9.17E-05	7.75E-06
1475	437833.5	3725967	8.05E-04	1.75E-04	1.59E-04	2.20E-05	8.55E-04	1.02E-04	8.81E-05	7.44E-06
1476	437820	3725974	7.73E-04	1.68E-04	1.53E-04	2.11E-05	8.21E-04	9.79E-05	8.46E-05	7.15E-06
1477	437723.6	3725993	6.22E-04	1.35E-04	1.23E-04	1.70E-05	6.61E-04	7.88E-05	6.81E-05	5.76E-06
1478	437709.2	3725988	6.11E-04	1.33E-04	1.21E-04	1.67E-05	6.49E-04	7.74E-05	6.69E-05	5.65E-06
1479	437694.9	3725984	6.00E-04	1.30E-04	1.19E-04	1.64E-05	6.37E-04	7.60E-05	6.56E-05	5.55E-06
1480	437680.5	3725979	5.87E-04	1.28E-04	1.16E-04	1.60E-05	6.24E-04	7.44E-05	6.43E-05	5.43E-06
1481	437666.2	3725974	5.71E-04	1.24E-04	1.13E-04	1.56E-05	6.06E-04	7.22E-05	6.24E-05	5.28E-06
1482	437651.8	3725969	5.54E-04	1.20E-04	1.09E-04	1.51E-05	5.88E-04	7.01E-05	6.06E-05	5.12E-06
1483	437637.5	3725965	5.39E-04	1.17E-04	1.06E-04	1.47E-05	5.72E-04	6.82E-05	5.89E-05	4.98E-06
1484	437623.1	3725960	5.23E-04	1.14E-04	1.03E-04	1.43E-05	5.56E-04	6.63E-05	5.73E-05	4.84E-06
1485	437802.2	3726014	6.54E-04	1.42E-04	1.29E-04	1.78E-05	6.95E-04	8.28E-05	7.15E-05	6.05E-06
1486	437788.7	3726021	6.27E-04	1.36E-04	1.24E-04	1.71E-05	6.66E-04	7.94E-05	6.86E-05	5.80E-06
1487	437775.2	3726028	6.00E-04	1.30E-04	1.19E-04	1.64E-05	6.38E-04	7.60E-05	6.57E-05	5.55E-06
1488	437697.1	3726014	5.52E-04	1.20E-04	1.09E-04	1.51E-05	5.86E-04	6.99E-05	6.04E-05	5.10E-06
1489	437682.8	3726009	5.42E-04	1.18E-04	1.07E-04	1.48E-05	5.76E-04	6.86E-05	5.93E-05	5.01E-06
1490	437668.4	3726004	5.28E-04	1.15E-04	1.04E-04	1.44E-05	5.61E-04	6.68E-05	5.77E-05	4.88E-06
1491	437654	3725999	5.12E-04	1.11E-04	1.01E-04	1.40E-05	5.44E-04	6.49E-05	5.60E-05	4.74E-06
1492	437953.6	3725978	8.27E-04	1.80E-04	1.63E-04	2.26E-05	8.78E-04	1.05E-04	9.04E-05	7.65E-06
1493	437940.1	3725985	8.13E-04	1.77E-04	1.61E-04	2.22E-05	8.63E-04	1.03E-04	8.89E-05	7.52E-06
1494	437926.6	3725992	7.97E-04	1.73E-04	1.58E-04	2.18E-05	8.47E-04	1.01E-04	8.72E-05	7.38E-06
1495	437913.1	3725999	7.77E-04	1.69E-04	1.54E-04	2.12E-05	8.26E-04	9.84E-05	8.50E-05	7.19E-06
1496	437899.6	3726006	7.53E-04	1.64E-04	1.49E-04	2.05E-05	8.00E-04	9.53E-05	8.23E-05	6.96E-06
1497	437805.3	3726054	5.75E-04	1.25E-04	1.14E-04	1.57E-05	6.11E-04	7.28E-05	6.29E-05	5.32E-06
1498	437791.8	3726061	5.50E-04	1.19E-04	1.09E-04	1.50E-05	5.84E-04	6.96E-05	6.01E-05	5.09E-06
1499	437778.3	3726068	5.25E-04	1.14E-04	1.04E-04	1.43E-05	5.58E-04	6.65E-05	5.74E-05	4.85E-06
1500	437983.8	3726005	7.52E-04	1.63E-04	1.49E-04	2.05E-05	7.99E-04	9.52E-05	8.22E-05	6.95E-06
1501	437970.3	3726011	7.41E-04	1.61E-04	1.46E-04	2.02E-05	7.87E-04	9.39E-05	8.11E-05	6.86E-06
1502	437956.8	3726018	7.29E-04	1.58E-04	1.44E-04	1.99E-05	7.75E-04	9.24E-05	7.98E-05	6.75E-06
1503	437943.3	3726025	7.17E-04	1.56E-04	1.42E-04	1.96E-05	7.61E-04	9.08E-05	7.84E-05	6.63E-06
1504	437929.8	3726032	7.03E-04	1.53E-04	1.39E-04	1.92E-05	7.46E-04	8.90E-05	7.69E-05	6.50E-06
1505	437916.3	3726039	6.86E-04	1.49E-04	1.36E-04	1.87E-05	7.29E-04	8.69E-05	7.51E-05	6.35E-06
1506	437902.8	3726046	6.66E-04	1.45E-04	1.32E-04	1.82E-05	7.08E-04	8.44E-05	7.29E-05	6.16E-06
1507	437889.3	3726053	6.47E-04	1.41E-04	1.28E-04	1.77E-05	6.87E-04	8.19E-05	7.08E-05	5.99E-06
1508	438014.1	3726031	6.85E-04	1.49E-04	1.35E-04	1.87E-05	7.28E-04	8.68E-05	7.50E-05	6.34E-06

1509	438000.6	3726037	6.78E-04	1.47E-04	1.34E-04	1.85E-05	7.20E-04	8.58E-05	7.42E-05	6.27E-06
1510	437987	3726044	6.70E-04	1.46E-04	1.32E-04	1.83E-05	7.12E-04	8.49E-05	7.33E-05	6.20E-06
1511	437973.5	3726051	6.62E-04	1.44E-04	1.31E-04	1.81E-05	7.03E-04	8.38E-05	7.24E-05	6.12E-06
1512	437960	3726058	6.51E-04	1.41E-04	1.29E-04	1.78E-05	6.91E-04	8.24E-05	7.12E-05	6.02E-06
1513	437946.5	3726065	6.39E-04	1.39E-04	1.26E-04	1.74E-05	6.79E-04	8.09E-05	6.99E-05	5.91E-06
1514	437933	3726072	6.27E-04	1.36E-04	1.24E-04	1.71E-05	6.66E-04	7.94E-05	6.86E-05	5.80E-06
1515	437919.5	3726079	6.14E-04	1.33E-04	1.21E-04	1.68E-05	6.52E-04	7.78E-05	6.72E-05	5.68E-06
1516	437906	3726086	5.98E-04	1.30E-04	1.18E-04	1.63E-05	6.35E-04	7.57E-05	6.54E-05	5.53E-06
1517	437677.4	3726124	3.72E-04	8.07E-05	7.34E-05	1.01E-05	3.95E-04	4.70E-05	4.06E-05	3.44E-06
1518	437663	3726119	3.64E-04	7.92E-05	7.20E-05	9.94E-06	3.87E-04	4.62E-05	3.99E-05	3.37E-06
1519	437648.6	3726114	3.58E-04	7.77E-05	7.06E-05	9.76E-06	3.80E-04	4.53E-05	3.91E-05	3.31E-06
1520	437634.2	3726109	3.50E-04	7.60E-05	6.91E-05	9.55E-06	3.72E-04	4.43E-05	3.83E-05	3.24E-06
1521	438044.3	3726057	6.28E-04	1.36E-04	1.24E-04	1.71E-05	6.67E-04	7.95E-05	6.87E-05	5.81E-06
1522	438030.8	3726063	6.21E-04	1.35E-04	1.23E-04	1.69E-05	6.60E-04	7.86E-05	6.79E-05	5.74E-06
1523	438017.3	3726070	6.15E-04	1.34E-04	1.21E-04	1.68E-05	6.53E-04	7.79E-05	6.73E-05	5.69E-06
1524	438003.8	3726077	6.08E-04	1.32E-04	1.20E-04	1.66E-05	6.46E-04	7.70E-05	6.65E-05	5.62E-06
1525	437990.3	3726084	6.02E-04	1.31E-04	1.19E-04	1.64E-05	6.39E-04	7.62E-05	6.58E-05	5.57E-06
1526	437976.8	3726091	5.94E-04	1.29E-04	1.17E-04	1.62E-05	6.31E-04	7.52E-05	6.50E-05	5.50E-06
1527	437963.3	3726098	5.85E-04	1.27E-04	1.15E-04	1.60E-05	6.21E-04	7.40E-05	6.40E-05	5.41E-06
1528	437949.7	3726105	5.75E-04	1.25E-04	1.14E-04	1.57E-05	6.11E-04	7.28E-05	6.29E-05	5.32E-06
1529	437936.2	3726112	5.64E-04	1.22E-04	1.11E-04	1.54E-05	5.99E-04	7.14E-05	6.17E-05	5.21E-06
1530	437922.7	3726119	5.52E-04	1.20E-04	1.09E-04	1.51E-05	5.86E-04	6.99E-05	6.03E-05	5.10E-06
1531	437909.2	3726125	5.39E-04	1.17E-04	1.06E-04	1.47E-05	5.72E-04	6.82E-05	5.89E-05	4.98E-06
1532	437895.7	3726132	5.25E-04	1.14E-04	1.04E-04	1.43E-05	5.58E-04	6.65E-05	5.75E-05	4.86E-06
1533	437882.2	3726139	5.10E-04	1.11E-04	1.01E-04	1.39E-05	5.42E-04	6.46E-05	5.58E-05	4.72E-06
1534	437666	3726159	3.39E-04	7.36E-05	6.69E-05	9.24E-06	3.60E-04	4.29E-05	3.71E-05	3.13E-06
1535	437651.6	3726154	3.30E-04	7.18E-05	6.52E-05	9.01E-06	3.51E-04	4.18E-05	3.61E-05	3.06E-06
1536	437637.1	3726149	3.23E-04	7.01E-05	6.37E-05	8.80E-06	3.43E-04	4.08E-05	3.53E-05	2.98E-06
1537	437622.7	3726145	3.15E-04	6.84E-05	6.22E-05	8.59E-06	3.35E-04	3.99E-05	3.45E-05	2.91E-06
1538	438074.6	3726083	5.90E-04	1.28E-04	1.17E-04	1.61E-05	6.27E-04	7.48E-05	6.46E-05	5.46E-06
1539	438061.1	3726089	5.81E-04	1.26E-04	1.15E-04	1.59E-05	6.17E-04	7.36E-05	6.36E-05	5.37E-06
1540	438047.6	3726096	5.71E-04	1.24E-04	1.13E-04	1.56E-05	6.07E-04	7.23E-05	6.25E-05	5.28E-06
1541	438034.1	3726103	5.63E-04	1.22E-04	1.11E-04	1.54E-05	5.98E-04	7.13E-05	6.16E-05	5.21E-06
1542	438020.5	3726110	5.57E-04	1.21E-04	1.10E-04	1.52E-05	5.91E-04	7.05E-05	6.09E-05	5.15E-06
1543	438007	3726117	5.50E-04	1.19E-04	1.09E-04	1.50E-05	5.84E-04	6.96E-05	6.01E-05	5.08E-06
1544	437993.5	3726124	5.43E-04	1.18E-04	1.07E-04	1.48E-05	5.77E-04	6.88E-05	5.94E-05	5.02E-06
1545	437980	3726131	5.36E-04	1.17E-04	1.06E-04	1.46E-05	5.70E-04	6.79E-05	5.87E-05	4.96E-06
1546	437966.4	3726138	5.28E-04	1.15E-04	1.04E-04	1.44E-05	5.61E-04	6.69E-05	5.78E-05	4.89E-06
1547	437952.9	3726145	5.20E-04	1.13E-04	1.03E-04	1.42E-05	5.52E-04	6.59E-05	5.69E-05	4.81E-06
1548	437939.4	3726151	5.10E-04	1.11E-04	1.01E-04	1.39E-05	5.42E-04	6.46E-05	5.58E-05	4.72E-06
1549	437925.9	3726158	5.00E-04	1.09E-04	9.87E-05	1.36E-05	5.31E-04	6.33E-05	5.47E-05	4.62E-06
1550	437912.4	3726165	4.88E-04	1.06E-04	9.64E-05	1.33E-05	5.18E-04	6.18E-05	5.34E-05	4.51E-06
1551	437898.8	3726172	4.75E-04	1.03E-04	9.39E-05	1.30E-05	5.05E-04	6.02E-05	5.20E-05	4.40E-06
1552	437885.3	3726179	4.62E-04	1.00E-04	9.13E-05	1.26E-05	4.91E-04	5.85E-05	5.06E-05	4.27E-06
1553	437871.8	3726186	4.49E-04	9.76E-05	8.87E-05	1.23E-05	4.77E-04	5.69E-05	4.91E-05	4.15E-06
1554	437858.3	3726193	4.36E-04	9.48E-05	8.61E-05	1.19E-05	4.63E-04	5.52E-05	4.77E-05	4.03E-06
1555	437844.7	3726200	4.23E-04	9.18E-05	8.35E-05	1.15E-05	4.49E-04	5.35E-05	4.62E-05	3.91E-06
1556	437831.2	3726207	4.09E-04	8.89E-05	8.08E-05	1.12E-05	4.35E-04	5.18E-05	4.48E-05	3.78E-06
1557	437817.7	3726213	3.95E-04	8.58E-05	7.80E-05	1.08E-05	4.20E-04	5.00E-05	4.32E-05	3.65E-06
1558	437611.3	3726180	2.87E-04	6.24E-05	5.67E-05	7.83E-06	3.05E-04	3.64E-05	3.14E-05	2.66E-06
1559	437596.9	3726175	2.81E-04	6.11E-05	5.56E-05	7.68E-06	2.99E-04	3.56E-05	3.08E-05	2.60E-06
1560	437582.4	3726170	2.76E-04	6.00E-05	5.46E-05	7.54E-06	2.93E-04	3.50E-05	3.02E-05	2.55E-06
1561	438348.6	3725984	5.10E-04	1.11E-04	1.01E-04	1.39E-05	5.42E-04	6.46E-05	5.58E-05	4.72E-06
1562	438094.5	3726114	5.50E-04	1.19E-04	1.09E-04	1.50E-05	5.84E-04	6.96E-05	6.01E-05	5.08E-06
1563	438081.1	3726121	5.42E-04	1.18E-04	1.07E-04	1.48E-05	5.75E-04	6.86E-05	5.93E-05	5.01E-06
1564	438067.7	3726128	5.33E-04	1.16E-04	1.05E-04	1.45E-05	5.66E-04	6.75E-05	5.83E-05	4.93E-06

1565	438054.4	3726134	5.25E-04	1.14E-04	1.04E-04	1.43E-05	5.57E-04	6.64E-05	5.74E-05	4.85E-06
1566	438041	3726141	5.15E-04	1.12E-04	1.02E-04	1.41E-05	5.47E-04	6.52E-05	5.64E-05	4.76E-06
1567	438027.6	3726148	5.08E-04	1.10E-04	1.00E-04	1.39E-05	5.40E-04	6.43E-05	5.56E-05	4.70E-06
1568	438014.2	3726155	5.01E-04	1.09E-04	9.90E-05	1.37E-05	5.32E-04	6.35E-05	5.48E-05	4.64E-06
1569	438000.9	3726162	4.95E-04	1.08E-04	9.78E-05	1.35E-05	5.26E-04	6.27E-05	5.42E-05	4.58E-06
1570	437987.5	3726168	4.90E-04	1.06E-04	9.67E-05	1.34E-05	5.20E-04	6.20E-05	5.36E-05	4.53E-06
1571	437974.1	3726175	4.83E-04	1.05E-04	9.54E-05	1.32E-05	5.13E-04	6.11E-05	5.28E-05	4.47E-06
1572	437960.7	3726182	4.75E-04	1.03E-04	9.38E-05	1.30E-05	5.05E-04	6.02E-05	5.20E-05	4.39E-06
1573	437947.4	3726189	4.67E-04	1.01E-04	9.22E-05	1.27E-05	4.96E-04	5.91E-05	5.11E-05	4.32E-06
1574	437934	3726196	4.58E-04	9.96E-05	9.05E-05	1.25E-05	4.87E-04	5.80E-05	5.01E-05	4.24E-06
1575	437920.6	3726202	4.49E-04	9.75E-05	8.86E-05	1.22E-05	4.77E-04	5.68E-05	4.91E-05	4.15E-06
1576	437907.2	3726209	4.37E-04	9.49E-05	8.63E-05	1.19E-05	4.64E-04	5.53E-05	4.78E-05	4.04E-06
1577	437893.9	3726216	4.25E-04	9.22E-05	8.39E-05	1.16E-05	4.51E-04	5.38E-05	4.64E-05	3.93E-06
1578	437616.2	3726220	2.69E-04	5.84E-05	5.31E-05	7.33E-06	2.85E-04	3.40E-05	2.94E-05	2.48E-06
1579	437601.9	3726215	2.63E-04	5.72E-05	5.20E-05	7.18E-06	2.79E-04	3.33E-05	2.88E-05	2.43E-06
1580	437587.7	3726211	2.58E-04	5.60E-05	5.09E-05	7.03E-06	2.74E-04	3.26E-05	2.82E-05	2.38E-06
1581	437573.4	3726206	2.53E-04	5.49E-05	4.99E-05	6.89E-06	2.68E-04	3.20E-05	2.76E-05	2.34E-06
1582	437559.2	3726201	2.48E-04	5.38E-05	4.89E-05	6.76E-06	2.63E-04	3.14E-05	2.71E-05	2.29E-06
1583	438360.2	3725975	5.02E-04	1.09E-04	9.91E-05	1.37E-05	5.33E-04	6.36E-05	5.49E-05	4.64E-06
1584	438370	3725964	4.97E-04	1.08E-04	9.81E-05	1.36E-05	5.28E-04	6.29E-05	5.44E-05	4.60E-06
1585	438379	3726010	4.70E-04	1.02E-04	9.28E-05	1.28E-05	4.99E-04	5.95E-05	5.14E-05	4.35E-06
1586	438365.7	3726017	4.79E-04	1.04E-04	9.46E-05	1.31E-05	5.09E-04	6.07E-05	5.24E-05	4.43E-06
1587	438352.3	3726024	4.88E-04	1.06E-04	9.65E-05	1.33E-05	5.19E-04	6.18E-05	5.34E-05	4.52E-06
1588	438338.9	3726031	4.97E-04	1.08E-04	9.82E-05	1.36E-05	5.28E-04	6.30E-05	5.44E-05	4.60E-06
1589	438325.5	3726038	5.06E-04	1.10E-04	1.00E-04	1.38E-05	5.38E-04	6.41E-05	5.54E-05	4.68E-06
1590	438312.1	3726044	5.14E-04	1.12E-04	1.01E-04	1.40E-05	5.46E-04	6.50E-05	5.62E-05	4.75E-06
1591	438298.7	3726051	5.19E-04	1.13E-04	1.03E-04	1.42E-05	5.51E-04	6.57E-05	5.68E-05	4.80E-06
1592	438124.7	3726140	5.18E-04	1.13E-04	1.02E-04	1.41E-05	5.51E-04	6.56E-05	5.67E-05	4.79E-06
1593	438111.3	3726147	5.12E-04	1.11E-04	1.01E-04	1.40E-05	5.43E-04	6.48E-05	5.60E-05	4.73E-06
1594	438097.9	3726154	5.04E-04	1.10E-04	9.96E-05	1.38E-05	5.36E-04	6.39E-05	5.52E-05	4.66E-06
1595	438084.5	3726160	4.97E-04	1.08E-04	9.81E-05	1.35E-05	5.27E-04	6.29E-05	5.43E-05	4.59E-06
1596	438071.1	3726167	4.89E-04	1.06E-04	9.65E-05	1.33E-05	5.19E-04	6.19E-05	5.34E-05	4.52E-06
1597	438057.7	3726174	4.79E-04	1.04E-04	9.47E-05	1.31E-05	5.09E-04	6.07E-05	5.24E-05	4.43E-06
1598	438044.3	3726181	4.71E-04	1.02E-04	9.29E-05	1.28E-05	5.00E-04	5.96E-05	5.15E-05	4.35E-06
1599	438030.9	3726188	4.64E-04	1.01E-04	9.17E-05	1.27E-05	4.93E-04	5.88E-05	5.08E-05	4.29E-06
1600	438017.6	3726195	4.58E-04	9.96E-05	9.05E-05	1.25E-05	4.87E-04	5.81E-05	5.02E-05	4.24E-06
1601	438004.2	3726201	4.53E-04	9.83E-05	8.94E-05	1.24E-05	4.81E-04	5.73E-05	4.95E-05	4.19E-06
1602	437990.8	3726208	4.47E-04	9.71E-05	8.83E-05	1.22E-05	4.75E-04	5.66E-05	4.89E-05	4.13E-06
1603	437977.4	3726215	4.41E-04	9.58E-05	8.71E-05	1.20E-05	4.68E-04	5.58E-05	4.82E-05	4.08E-06
1604	437964	3726222	4.34E-04	9.42E-05	8.56E-05	1.18E-05	4.61E-04	5.49E-05	4.74E-05	4.01E-06
1605	437950.6	3726229	4.26E-04	9.26E-05	8.41E-05	1.16E-05	4.53E-04	5.39E-05	4.66E-05	3.94E-06
1606	437937.2	3726235	4.18E-04	9.07E-05	8.25E-05	1.14E-05	4.44E-04	5.29E-05	4.57E-05	3.86E-06
1607	437923.8	3726242	4.09E-04	8.88E-05	8.07E-05	1.12E-05	4.34E-04	5.18E-05	4.47E-05	3.78E-06
1608	437776.1	3726312	2.96E-04	6.42E-05	5.84E-05	8.06E-06	3.14E-04	3.74E-05	3.23E-05	2.73E-06
1609	437761.9	3726307	2.93E-04	6.36E-05	5.79E-05	7.99E-06	3.11E-04	3.71E-05	3.20E-05	2.71E-06
1610	437747.6	3726302	2.90E-04	6.30E-05	5.73E-05	7.92E-06	3.08E-04	3.67E-05	3.17E-05	2.68E-06
1611	437733.3	3726298	2.87E-04	6.23E-05	5.67E-05	7.83E-06	3.05E-04	3.63E-05	3.14E-05	2.65E-06
1612	437604.8	3726255	2.48E-04	5.38E-05	4.89E-05	6.76E-06	2.63E-04	3.14E-05	2.71E-05	2.29E-06
1613	438409.5	3726036	4.38E-04	9.51E-05	8.65E-05	1.19E-05	4.65E-04	5.54E-05	4.79E-05	4.05E-06
1614	438396.1	3726043	4.46E-04	9.70E-05	8.82E-05	1.22E-05	4.74E-04	5.65E-05	4.88E-05	4.13E-06
1615	438382.7	3726050	4.54E-04	9.86E-05	8.97E-05	1.24E-05	4.82E-04	5.75E-05	4.97E-05	4.20E-06
1616	438369.3	3726057	4.61E-04	1.00E-04	9.10E-05	1.26E-05	4.90E-04	5.84E-05	5.04E-05	4.26E-06
1617	438355.9	3726064	4.68E-04	1.02E-04	9.24E-05	1.28E-05	4.97E-04	5.93E-05	5.12E-05	4.33E-06
1618	438342.5	3726070	4.75E-04	1.03E-04	9.38E-05	1.30E-05	5.04E-04	6.01E-05	5.20E-05	4.39E-06
1619	438329.1	3726077	4.80E-04	1.04E-04	9.49E-05	1.31E-05	5.10E-04	6.08E-05	5.26E-05	4.44E-06
1620	438315.7	3726084	4.85E-04	1.05E-04	9.58E-05	1.32E-05	5.15E-04	6.14E-05	5.31E-05	4.49E-06

1621	438302.3	3726091	4.89E-04	1.06E-04	9.67E-05	1.34E-05	5.20E-04	6.20E-05	5.35E-05	4.53E-06
1622	438288.9	3726098	4.93E-04	1.07E-04	9.74E-05	1.35E-05	5.24E-04	6.24E-05	5.39E-05	4.56E-06
1623	438275.5	3726105	4.96E-04	1.08E-04	9.79E-05	1.35E-05	5.27E-04	6.28E-05	5.42E-05	4.59E-06
1624	438262.1	3726111	4.98E-04	1.08E-04	9.84E-05	1.36E-05	5.29E-04	6.31E-05	5.45E-05	4.61E-06
1625	438248.7	3726118	4.99E-04	1.08E-04	9.86E-05	1.36E-05	5.30E-04	6.32E-05	5.46E-05	4.62E-06
1626	438235.3	3726125	5.00E-04	1.09E-04	9.87E-05	1.36E-05	5.31E-04	6.33E-05	5.47E-05	4.62E-06
1627	438128.1	3726180	4.73E-04	1.03E-04	9.35E-05	1.29E-05	5.03E-04	5.99E-05	5.18E-05	4.38E-06
1628	438114.7	3726187	4.67E-04	1.02E-04	9.23E-05	1.28E-05	4.96E-04	5.92E-05	5.11E-05	4.32E-06
1629	438101.3	3726193	4.62E-04	1.00E-04	9.12E-05	1.26E-05	4.90E-04	5.85E-05	5.05E-05	4.27E-06
1630	438087.9	3726200	4.54E-04	9.86E-05	8.97E-05	1.24E-05	4.82E-04	5.75E-05	4.97E-05	4.20E-06
1631	438074.5	3726207	4.46E-04	9.69E-05	8.81E-05	1.22E-05	4.74E-04	5.65E-05	4.88E-05	4.13E-06
1632	438061.1	3726214	4.39E-04	9.54E-05	8.68E-05	1.20E-05	4.67E-04	5.56E-05	4.81E-05	4.06E-06
1633	438047.7	3726221	4.33E-04	9.41E-05	8.56E-05	1.18E-05	4.60E-04	5.49E-05	4.74E-05	4.01E-06
1634	438034.3	3726227	4.27E-04	9.29E-05	8.44E-05	1.17E-05	4.54E-04	5.41E-05	4.68E-05	3.95E-06
1635	438020.9	3726234	4.22E-04	9.16E-05	8.33E-05	1.15E-05	4.48E-04	5.34E-05	4.61E-05	3.90E-06
1636	438007.5	3726241	4.16E-04	9.03E-05	8.21E-05	1.13E-05	4.42E-04	5.26E-05	4.55E-05	3.85E-06
1637	437994.1	3726248	4.10E-04	8.91E-05	8.10E-05	1.12E-05	4.36E-04	5.19E-05	4.49E-05	3.79E-06
1638	437980.7	3726255	4.04E-04	8.77E-05	7.98E-05	1.10E-05	4.29E-04	5.11E-05	4.42E-05	3.74E-06
1639	437967.3	3726262	3.97E-04	8.63E-05	7.84E-05	1.08E-05	4.22E-04	5.03E-05	4.34E-05	3.67E-06
1640	437953.9	3726268	3.90E-04	8.47E-05	7.70E-05	1.06E-05	4.14E-04	4.94E-05	4.26E-05	3.60E-06
1641	437940.5	3726275	3.82E-04	8.29E-05	7.54E-05	1.04E-05	4.05E-04	4.83E-05	4.17E-05	3.53E-06
1642	437927.1	3726282	3.73E-04	8.10E-05	7.37E-05	1.02E-05	3.96E-04	4.72E-05	4.08E-05	3.45E-06
1643	437913.7	3726289	3.63E-04	7.90E-05	7.18E-05	9.92E-06	3.86E-04	4.60E-05	3.98E-05	3.36E-06
1644	437873.4	3726309	3.33E-04	7.22E-05	6.57E-05	9.07E-06	3.53E-04	4.21E-05	3.64E-05	3.08E-06
1645	437860	3726316	3.23E-04	7.02E-05	6.38E-05	8.81E-06	3.43E-04	4.09E-05	3.53E-05	2.99E-06
1646	437846.6	3726323	3.14E-04	6.82E-05	6.20E-05	8.57E-06	3.34E-04	3.98E-05	3.44E-05	2.91E-06
1647	437806.4	3726344	2.87E-04	6.24E-05	5.67E-05	7.83E-06	3.05E-04	3.63E-05	3.14E-05	2.65E-06
1648	437793	3726350	2.79E-04	6.05E-05	5.50E-05	7.60E-06	2.96E-04	3.53E-05	3.05E-05	2.58E-06
1649	437779.2	3726351	2.73E-04	5.94E-05	5.40E-05	7.46E-06	2.90E-04	3.46E-05	2.99E-05	2.53E-06
1650	437764.9	3726347	2.70E-04	5.87E-05	5.34E-05	7.38E-06	2.87E-04	3.42E-05	2.96E-05	2.50E-06
1651	437750.6	3726342	2.68E-04	5.81E-05	5.29E-05	7.30E-06	2.84E-04	3.39E-05	2.93E-05	2.47E-06
1652	437736.3	3726337	2.65E-04	5.75E-05	5.23E-05	7.22E-06	2.81E-04	3.35E-05	2.90E-05	2.45E-06
1653	437722	3726333	2.61E-04	5.68E-05	5.16E-05	7.13E-06	2.78E-04	3.31E-05	2.86E-05	2.42E-06
1654	437707.7	3726328	2.58E-04	5.60E-05	5.09E-05	7.04E-06	2.74E-04	3.26E-05	2.82E-05	2.38E-06
1655	437693.5	3726323	2.54E-04	5.52E-05	5.02E-05	6.93E-06	2.70E-04	3.22E-05	2.78E-05	2.35E-06
1656	438421.1	3726027	4.32E-04	9.38E-05	8.53E-05	1.18E-05	4.59E-04	5.47E-05	4.72E-05	3.99E-06
1657	438431	3726016	4.28E-04	9.30E-05	8.45E-05	1.17E-05	4.55E-04	5.42E-05	4.68E-05	3.96E-06
1658	437863.2	3726356	2.99E-04	6.50E-05	5.91E-05	8.16E-06	3.18E-04	3.79E-05	3.27E-05	2.77E-06
1659	437849.8	3726363	2.91E-04	6.32E-05	5.74E-05	7.93E-06	3.09E-04	3.68E-05	3.18E-05	2.69E-06
1660	437836.4	3726370	2.83E-04	6.15E-05	5.59E-05	7.72E-06	3.01E-04	3.58E-05	3.09E-05	2.62E-06
1661	437822.9	3726377	2.75E-04	5.98E-05	5.44E-05	7.52E-06	2.93E-04	3.49E-05	3.01E-05	2.55E-06
1662	437809.5	3726383	2.69E-04	5.83E-05	5.30E-05	7.33E-06	2.85E-04	3.40E-05	2.94E-05	2.48E-06
1663	437796.1	3726390	2.62E-04	5.69E-05	5.18E-05	7.15E-06	2.78E-04	3.32E-05	2.87E-05	2.42E-06
1664	437782.3	3726391	2.57E-04	5.59E-05	5.08E-05	7.02E-06	2.73E-04	3.26E-05	2.82E-05	2.38E-06
1665	437768	3726387	2.55E-04	5.53E-05	5.03E-05	6.95E-06	2.71E-04	3.22E-05	2.79E-05	2.36E-06
1666	437753.7	3726382	2.51E-04	5.46E-05	4.96E-05	6.85E-06	2.67E-04	3.18E-05	2.75E-05	2.32E-06
1667	437739.4	3726377	2.48E-04	5.38E-05	4.89E-05	6.76E-06	2.63E-04	3.14E-05	2.71E-05	2.29E-06
1668	437725.1	3726373	2.44E-04	5.30E-05	4.82E-05	6.66E-06	2.59E-04	3.09E-05	2.67E-05	2.26E-06
1669	437710.8	3726368	2.40E-04	5.22E-05	4.75E-05	6.56E-06	2.55E-04	3.05E-05	2.63E-05	2.22E-06
1670	437696.4	3726363	2.37E-04	5.15E-05	4.68E-05	6.47E-06	2.52E-04	3.00E-05	2.59E-05	2.19E-06
1671	437682.1	3726358	2.33E-04	5.07E-05	4.61E-05	6.37E-06	2.48E-04	2.96E-05	2.55E-05	2.16E-06
1672	437667.8	3726354	2.31E-04	5.02E-05	4.56E-05	6.31E-06	2.45E-04	2.93E-05	2.53E-05	2.14E-06
1673	438461.4	3726041	3.99E-04	8.68E-05	7.89E-05	1.09E-05	4.24E-04	5.06E-05	4.37E-05	3.69E-06
1674	437799.2	3726430	2.47E-04	5.37E-05	4.88E-05	6.74E-06	2.62E-04	3.13E-05	2.70E-05	2.28E-06
1675	437785.3	3726431	2.44E-04	5.29E-05	4.81E-05	6.65E-06	2.59E-04	3.09E-05	2.67E-05	2.25E-06
1676	437771	3726427	2.42E-04	5.26E-05	4.78E-05	6.60E-06	2.57E-04	3.06E-05	2.65E-05	2.24E-06

1677	437756.7	3726422	2.39E-04	5.19E-05	4.71E-05	6.51E-06	2.54E-04	3.02E-05	2.61E-05	2.21E-06
1678	437742.4	3726417	2.35E-04	5.11E-05	4.65E-05	6.42E-06	2.50E-04	2.98E-05	2.57E-05	2.18E-06
1679	437728.1	3726412	2.32E-04	5.04E-05	4.58E-05	6.32E-06	2.46E-04	2.93E-05	2.54E-05	2.14E-06
1680	437713.8	3726408	2.28E-04	4.96E-05	4.51E-05	6.23E-06	2.43E-04	2.89E-05	2.50E-05	2.11E-06
1681	437699.4	3726403	2.25E-04	4.89E-05	4.45E-05	6.14E-06	2.39E-04	2.85E-05	2.46E-05	2.08E-06
1682	437685.1	3726398	2.22E-04	4.82E-05	4.38E-05	6.05E-06	2.36E-04	2.81E-05	2.43E-05	2.05E-06
1683	437670.8	3726394	2.19E-04	4.76E-05	4.33E-05	5.98E-06	2.33E-04	2.77E-05	2.40E-05	2.03E-06
1684	437656.5	3726389	2.17E-04	4.71E-05	4.29E-05	5.92E-06	2.30E-04	2.75E-05	2.37E-05	2.01E-06
1685	437642.2	3726384	2.15E-04	4.68E-05	4.25E-05	5.87E-06	2.29E-04	2.72E-05	2.35E-05	1.99E-06
1686	437627.9	3726380	2.14E-04	4.64E-05	4.22E-05	5.83E-06	2.27E-04	2.70E-05	2.34E-05	1.98E-06
1687	437912.1	3725196	5.81E-03	1.26E-03	1.15E-03	1.59E-04	6.18E-03	7.36E-04	6.36E-04	5.38E-05
1688	437925.1	3725181	4.99E-03	1.09E-03	9.86E-04	1.36E-04	5.30E-03	6.32E-04	5.46E-04	4.62E-05
1689	437944.6	3725158	4.02E-03	8.73E-04	7.93E-04	1.10E-04	4.27E-03	5.09E-04	4.39E-04	3.72E-05
1690	438044.9	3725105	1.98E-03	4.31E-04	3.92E-04	5.41E-05	2.11E-03	2.51E-04	2.17E-04	1.83E-05
1691	438051.5	3725118	2.03E-03	4.40E-04	4.00E-04	5.53E-05	2.15E-03	2.57E-04	2.22E-04	1.87E-05
1692	438058.2	3725131	2.06E-03	4.48E-04	4.07E-04	5.62E-05	2.19E-03	2.61E-04	2.25E-04	1.91E-05
1693	438064.5	3725082	1.68E-03	3.64E-04	3.31E-04	4.58E-05	1.78E-03	2.12E-04	1.83E-04	1.55E-05
1694	438071.1	3725095	1.72E-03	3.74E-04	3.40E-04	4.69E-05	1.83E-03	2.18E-04	1.88E-04	1.59E-05
1695	438077.8	3725108	1.76E-03	3.82E-04	3.47E-04	4.79E-05	1.87E-03	2.22E-04	1.92E-04	1.63E-05
1696	438084.4	3725121	1.78E-03	3.88E-04	3.52E-04	4.87E-05	1.90E-03	2.26E-04	1.95E-04	1.65E-05
1697	438117.6	3725186	1.81E-03	3.93E-04	3.58E-04	4.94E-05	1.92E-03	2.29E-04	1.98E-04	1.67E-05
1698	438124.2	3725199	1.79E-03	3.90E-04	3.54E-04	4.90E-05	1.91E-03	2.27E-04	1.96E-04	1.66E-05
1699	438084.1	3725059	1.43E-03	3.11E-04	2.83E-04	3.91E-05	1.52E-03	1.81E-04	1.57E-04	1.33E-05
1700	438090.7	3725072	1.47E-03	3.20E-04	2.91E-04	4.02E-05	1.56E-03	1.86E-04	1.61E-04	1.36E-05
1701	438097.4	3725085	1.51E-03	3.28E-04	2.98E-04	4.12E-05	1.60E-03	1.91E-04	1.65E-04	1.40E-05
1702	438104	3725098	1.53E-03	3.33E-04	3.03E-04	4.19E-05	1.63E-03	1.94E-04	1.68E-04	1.42E-05
1703	438130.7	3725151	1.59E-03	3.44E-04	3.13E-04	4.33E-05	1.68E-03	2.01E-04	1.73E-04	1.47E-05
1704	438137.3	3725164	1.59E-03	3.44E-04	3.13E-04	4.33E-05	1.68E-03	2.01E-04	1.73E-04	1.47E-05
1705	438144	3725177	1.58E-03	3.43E-04	3.12E-04	4.31E-05	1.68E-03	2.00E-04	1.73E-04	1.46E-05
1706	438150.6	3725190	1.56E-03	3.40E-04	3.09E-04	4.27E-05	1.66E-03	1.98E-04	1.71E-04	1.45E-05
1707	438157.3	3725203	1.54E-03	3.35E-04	3.05E-04	4.21E-05	1.64E-03	1.95E-04	1.69E-04	1.43E-05
1708	438163.9	3725216	1.52E-03	3.29E-04	2.99E-04	4.14E-05	1.61E-03	1.92E-04	1.66E-04	1.40E-05
1709	438117	3725063	1.30E-03	2.83E-04	2.57E-04	3.55E-05	1.38E-03	1.65E-04	1.42E-04	1.20E-05
1710	438123.7	3725076	1.33E-03	2.89E-04	2.62E-04	3.62E-05	1.41E-03	1.68E-04	1.45E-04	1.23E-05
1711	438150.3	3725128	1.39E-03	3.01E-04	2.74E-04	3.79E-05	1.47E-03	1.76E-04	1.52E-04	1.28E-05
1712	438157	3725141	1.39E-03	3.02E-04	2.74E-04	3.79E-05	1.47E-03	1.76E-04	1.52E-04	1.28E-05
1713	438163.7	3725155	1.39E-03	3.01E-04	2.74E-04	3.78E-05	1.47E-03	1.76E-04	1.52E-04	1.28E-05
1714	438170.3	3725168	1.38E-03	3.00E-04	2.73E-04	3.77E-05	1.47E-03	1.75E-04	1.51E-04	1.28E-05
1715	438177	3725181	1.37E-03	2.98E-04	2.71E-04	3.74E-05	1.46E-03	1.74E-04	1.50E-04	1.27E-05
1716	438183.7	3725194	1.36E-03	2.95E-04	2.68E-04	3.70E-05	1.44E-03	1.72E-04	1.48E-04	1.25E-05
1717	438190.3	3725207	1.34E-03	2.90E-04	2.64E-04	3.65E-05	1.42E-03	1.69E-04	1.46E-04	1.24E-05
1718	438190	3725145	1.23E-03	2.67E-04	2.43E-04	3.36E-05	1.31E-03	1.56E-04	1.35E-04	1.14E-05
1719	438196.7	3725158	1.22E-03	2.66E-04	2.41E-04	3.34E-05	1.30E-03	1.55E-04	1.34E-04	1.13E-05
1720	438203.4	3725172	1.21E-03	2.63E-04	2.39E-04	3.30E-05	1.29E-03	1.53E-04	1.32E-04	1.12E-05
1721	438210.1	3725185	1.19E-03	2.59E-04	2.36E-04	3.26E-05	1.27E-03	1.51E-04	1.31E-04	1.10E-05
1722	438243.5	3725251	1.09E-03	2.38E-04	2.16E-04	2.98E-05	1.16E-03	1.38E-04	1.20E-04	1.01E-05
1723	438250.1	3725264	1.07E-03	2.32E-04	2.11E-04	2.92E-05	1.14E-03	1.35E-04	1.17E-04	9.90E-06
1724	438261	3725224	1.00E-03	2.18E-04	1.98E-04	2.74E-05	1.07E-03	1.27E-04	1.10E-04	9.29E-06
1725	438267.6	3725237	9.84E-04	2.14E-04	1.94E-04	2.68E-05	1.04E-03	1.25E-04	1.08E-04	9.10E-06
1726	438274.2	3725250	9.65E-04	2.10E-04	1.91E-04	2.63E-05	1.03E-03	1.22E-04	1.06E-04	8.93E-06
1727	438280.8	3725263	9.47E-04	2.06E-04	1.87E-04	2.58E-05	1.01E-03	1.20E-04	1.04E-04	8.76E-06
1728	438287.4	3725276	9.26E-04	2.01E-04	1.83E-04	2.53E-05	9.84E-04	1.17E-04	1.01E-04	8.57E-06
1729	438294	3725289	9.08E-04	1.97E-04	1.79E-04	2.48E-05	9.64E-04	1.15E-04	9.93E-05	8.39E-06
1730	438155.4	3724934	6.77E-04	1.47E-04	1.34E-04	1.85E-05	7.20E-04	8.58E-05	7.41E-05	6.27E-06
1731	438175.2	3724973	7.82E-04	1.70E-04	1.54E-04	2.13E-05	8.31E-04	9.90E-05	8.56E-05	7.23E-06
1732	438181.8	3724986	8.18E-04	1.78E-04	1.62E-04	2.23E-05	8.69E-04	1.04E-04	8.95E-05	7.57E-06

1733	438188.4	3724999	8.51E-04	1.85E-04	1.68E-04	2.32E-05	9.04E-04	1.08E-04	9.31E-05	7.87E-06
1734	438195	3725012	8.73E-04	1.90E-04	1.72E-04	2.38E-05	9.27E-04	1.11E-04	9.55E-05	8.07E-06
1735	438201.6	3725025	8.92E-04	1.94E-04	1.76E-04	2.43E-05	9.48E-04	1.13E-04	9.76E-05	8.25E-06
1736	438208.2	3725038	9.08E-04	1.97E-04	1.79E-04	2.48E-05	9.65E-04	1.15E-04	9.94E-05	8.40E-06
1737	438214.9	3725051	9.21E-04	2.00E-04	1.82E-04	2.51E-05	9.78E-04	1.17E-04	1.01E-04	8.52E-06
1738	438307.3	3725233	8.34E-04	1.81E-04	1.65E-04	2.27E-05	8.86E-04	1.06E-04	9.12E-05	7.71E-06
1739	438313.9	3725246	8.18E-04	1.78E-04	1.61E-04	2.23E-05	8.68E-04	1.04E-04	8.94E-05	7.56E-06
1740	438360.2	3725337	7.22E-04	1.57E-04	1.43E-04	1.97E-05	7.67E-04	9.14E-05	7.90E-05	6.68E-06
1741	438366.8	3725350	7.10E-04	1.54E-04	1.40E-04	1.94E-05	7.54E-04	8.99E-05	7.77E-05	6.57E-06
1742	438146.5	3724923	6.60E-04	1.43E-04	1.30E-04	1.80E-05	7.01E-04	8.36E-05	7.22E-05	6.11E-06
1743	438221.2	3724982	7.32E-04	1.59E-04	1.44E-04	2.00E-05	7.77E-04	9.26E-05	8.00E-05	6.77E-06
1744	438227.8	3724995	7.57E-04	1.64E-04	1.49E-04	2.06E-05	8.04E-04	9.58E-05	8.28E-05	7.00E-06
1745	438234.4	3725008	7.72E-04	1.68E-04	1.52E-04	2.11E-05	8.20E-04	9.77E-05	8.44E-05	7.14E-06
1746	438241.1	3725021	7.86E-04	1.71E-04	1.55E-04	2.15E-05	8.35E-04	9.96E-05	8.60E-05	7.27E-06
1747	438247.7	3725034	7.98E-04	1.73E-04	1.58E-04	2.18E-05	8.48E-04	1.01E-04	8.73E-05	7.38E-06
1748	438254.3	3725047	8.08E-04	1.76E-04	1.60E-04	2.20E-05	8.58E-04	1.02E-04	8.84E-05	7.47E-06
1749	438260.9	3725060	8.18E-04	1.78E-04	1.61E-04	2.23E-05	8.69E-04	1.04E-04	8.94E-05	7.56E-06
1750	438280.8	3725099	8.30E-04	1.80E-04	1.64E-04	2.26E-05	8.81E-04	1.05E-04	9.08E-05	7.67E-06
1751	438287.4	3725113	8.28E-04	1.80E-04	1.63E-04	2.26E-05	8.79E-04	1.05E-04	9.06E-05	7.66E-06
1752	438294	3725126	8.22E-04	1.79E-04	1.62E-04	2.24E-05	8.74E-04	1.04E-04	9.00E-05	7.61E-06
1753	438386.7	3725308	6.44E-04	1.40E-04	1.27E-04	1.76E-05	6.84E-04	8.16E-05	7.05E-05	5.96E-06
1754	438393.4	3725321	6.38E-04	1.39E-04	1.26E-04	1.74E-05	6.78E-04	8.08E-05	6.98E-05	5.90E-06
1755	438400	3725334	6.30E-04	1.37E-04	1.25E-04	1.72E-05	6.70E-04	7.98E-05	6.90E-05	5.83E-06
1756	438406.6	3725347	6.20E-04	1.35E-04	1.23E-04	1.69E-05	6.59E-04	7.85E-05	6.79E-05	5.74E-06
1757	438411	3725367	6.14E-04	1.33E-04	1.21E-04	1.67E-05	6.52E-04	7.77E-05	6.71E-05	5.68E-06
1758	438406.5	3725381	6.23E-04	1.35E-04	1.23E-04	1.70E-05	6.62E-04	7.89E-05	6.81E-05	5.76E-06
1759	438172.6	3724893	5.63E-04	1.22E-04	1.11E-04	1.53E-05	5.98E-04	7.12E-05	6.15E-05	5.20E-06
1760	438267.3	3724991	6.62E-04	1.44E-04	1.31E-04	1.81E-05	7.03E-04	8.38E-05	7.24E-05	6.12E-06
1761	438273.9	3725004	6.76E-04	1.47E-04	1.34E-04	1.85E-05	7.18E-04	8.56E-05	7.40E-05	6.26E-06
1762	438280.5	3725017	6.89E-04	1.50E-04	1.36E-04	1.88E-05	7.32E-04	8.72E-05	7.54E-05	6.37E-06
1763	438287.2	3725030	7.02E-04	1.52E-04	1.39E-04	1.91E-05	7.45E-04	8.88E-05	7.68E-05	6.49E-06
1764	438293.8	3725043	7.13E-04	1.55E-04	1.41E-04	1.95E-05	7.57E-04	9.03E-05	7.80E-05	6.59E-06
1765	438307.1	3725070	7.27E-04	1.58E-04	1.44E-04	1.98E-05	7.72E-04	9.20E-05	7.95E-05	6.72E-06
1766	438313.7	3725083	7.29E-04	1.58E-04	1.44E-04	1.99E-05	7.74E-04	9.23E-05	7.97E-05	6.74E-06
1767	438320.4	3725096	7.28E-04	1.58E-04	1.44E-04	1.99E-05	7.73E-04	9.21E-05	7.96E-05	6.73E-06
1768	438327	3725109	7.24E-04	1.57E-04	1.43E-04	1.98E-05	7.69E-04	9.17E-05	7.92E-05	6.70E-06
1769	438333.6	3725122	7.18E-04	1.56E-04	1.42E-04	1.96E-05	7.63E-04	9.09E-05	7.85E-05	6.64E-06
1770	438340.3	3725135	7.11E-04	1.54E-04	1.40E-04	1.94E-05	7.55E-04	9.00E-05	7.77E-05	6.57E-06
1771	438346.9	3725148	7.03E-04	1.53E-04	1.39E-04	1.92E-05	7.46E-04	8.90E-05	7.69E-05	6.50E-06
1772	438353.6	3725161	6.93E-04	1.50E-04	1.37E-04	1.89E-05	7.36E-04	8.77E-05	7.58E-05	6.41E-06
1773	438360.2	3725174	6.82E-04	1.48E-04	1.35E-04	1.86E-05	7.24E-04	8.63E-05	7.46E-05	6.31E-06
1774	438366.8	3725187	6.70E-04	1.46E-04	1.32E-04	1.83E-05	7.12E-04	8.49E-05	7.33E-05	6.20E-06
1775	438450.9	3725364	5.43E-04	1.18E-04	1.07E-04	1.48E-05	5.77E-04	6.87E-05	5.94E-05	5.02E-06
1776	438446.3	3725378	5.50E-04	1.20E-04	1.09E-04	1.50E-05	5.84E-04	6.97E-05	6.02E-05	5.09E-06
1777	438441.8	3725392	5.57E-04	1.21E-04	1.10E-04	1.52E-05	5.92E-04	7.05E-05	6.09E-05	5.15E-06
1778	438437.3	3725406	5.63E-04	1.22E-04	1.11E-04	1.54E-05	5.98E-04	7.13E-05	6.16E-05	5.21E-06
1779	438432.8	3725420	5.69E-04	1.24E-04	1.12E-04	1.55E-05	6.04E-04	7.20E-05	6.22E-05	5.26E-06
1780	438340	3725053	6.41E-04	1.39E-04	1.27E-04	1.75E-05	6.81E-04	8.11E-05	7.01E-05	5.93E-06
1781	438346.7	3725066	6.43E-04	1.40E-04	1.27E-04	1.75E-05	6.83E-04	8.14E-05	7.03E-05	5.95E-06
1782	438353.3	3725079	6.43E-04	1.40E-04	1.27E-04	1.75E-05	6.83E-04	8.14E-05	7.04E-05	5.95E-06
1783	438360	3725092	6.41E-04	1.39E-04	1.27E-04	1.75E-05	6.81E-04	8.12E-05	7.02E-05	5.93E-06
1784	438366.6	3725105	6.38E-04	1.39E-04	1.26E-04	1.74E-05	6.78E-04	8.08E-05	6.98E-05	5.90E-06
1785	438373.3	3725118	6.34E-04	1.38E-04	1.25E-04	1.73E-05	6.73E-04	8.02E-05	6.93E-05	5.86E-06
1786	438379.9	3725131	6.27E-04	1.36E-04	1.24E-04	1.71E-05	6.66E-04	7.94E-05	6.86E-05	5.80E-06
1787	438386.6	3725144	6.21E-04	1.35E-04	1.23E-04	1.69E-05	6.60E-04	7.86E-05	6.79E-05	5.74E-06
1788	438393.2	3725158	6.13E-04	1.33E-04	1.21E-04	1.67E-05	6.51E-04	7.76E-05	6.70E-05	5.67E-06

1789	438399.9	3725171	6.03E-04	1.31E-04	1.19E-04	1.65E-05	6.41E-04	7.64E-05	6.60E-05	5.58E-06
1790	438406.5	3725184	5.94E-04	1.29E-04	1.17E-04	1.62E-05	6.30E-04	7.52E-05	6.49E-05	5.49E-06
1791	438413.2	3725197	5.83E-04	1.27E-04	1.15E-04	1.59E-05	6.20E-04	7.39E-05	6.38E-05	5.40E-06
1792	438419.8	3725210	5.73E-04	1.24E-04	1.13E-04	1.56E-05	6.09E-04	7.25E-05	6.27E-05	5.30E-06
1793	438426.5	3725223	5.62E-04	1.22E-04	1.11E-04	1.53E-05	5.97E-04	7.12E-05	6.15E-05	5.20E-06
1794	438433.1	3725236	5.52E-04	1.20E-04	1.09E-04	1.51E-05	5.86E-04	6.99E-05	6.04E-05	5.10E-06
1795	438439.8	3725249	5.40E-04	1.17E-04	1.07E-04	1.47E-05	5.73E-04	6.83E-05	5.90E-05	4.99E-06
1796	438446.4	3725262	5.27E-04	1.14E-04	1.04E-04	1.44E-05	5.59E-04	6.67E-05	5.76E-05	4.87E-06
1797	438477.1	3725403	5.02E-04	1.09E-04	9.91E-05	1.37E-05	5.33E-04	6.35E-05	5.49E-05	4.64E-06
1798	438472.6	3725417	5.07E-04	1.10E-04	1.00E-04	1.38E-05	5.38E-04	6.42E-05	5.54E-05	4.69E-06
1799	438468.1	3725431	5.11E-04	1.11E-04	1.01E-04	1.39E-05	5.43E-04	6.47E-05	5.59E-05	4.73E-06
1800	438463.5	3725445	5.15E-04	1.12E-04	1.02E-04	1.41E-05	5.47E-04	6.52E-05	5.64E-05	4.77E-06
1801	438379.6	3725049	5.70E-04	1.24E-04	1.13E-04	1.56E-05	6.05E-04	7.22E-05	6.24E-05	5.27E-06
1802	438386.3	3725062	5.71E-04	1.24E-04	1.13E-04	1.56E-05	6.06E-04	7.23E-05	6.25E-05	5.28E-06
1803	438392.9	3725075	5.70E-04	1.24E-04	1.13E-04	1.56E-05	6.06E-04	7.22E-05	6.24E-05	5.27E-06
1804	438399.6	3725088	5.68E-04	1.23E-04	1.12E-04	1.55E-05	6.03E-04	7.19E-05	6.21E-05	5.25E-06
1805	438406.3	3725102	5.65E-04	1.23E-04	1.12E-04	1.54E-05	6.00E-04	7.16E-05	6.18E-05	5.23E-06
1806	438412.9	3725115	5.62E-04	1.22E-04	1.11E-04	1.53E-05	5.97E-04	7.11E-05	6.14E-05	5.19E-06
1807	438419.6	3725128	5.57E-04	1.21E-04	1.10E-04	1.52E-05	5.91E-04	7.05E-05	6.09E-05	5.15E-06
1808	438426.2	3725141	5.51E-04	1.20E-04	1.09E-04	1.50E-05	5.85E-04	6.97E-05	6.02E-05	5.09E-06
1809	438432.9	3725154	5.44E-04	1.18E-04	1.07E-04	1.48E-05	5.78E-04	6.89E-05	5.95E-05	5.03E-06
1810	438439.6	3725167	5.37E-04	1.17E-04	1.06E-04	1.47E-05	5.70E-04	6.80E-05	5.87E-05	4.97E-06
1811	438446.2	3725180	5.29E-04	1.15E-04	1.05E-04	1.44E-05	5.62E-04	6.70E-05	5.79E-05	4.90E-06
1812	438452.9	3725193	5.21E-04	1.13E-04	1.03E-04	1.42E-05	5.53E-04	6.59E-05	5.70E-05	4.82E-06
1813	438459.6	3725207	5.12E-04	1.11E-04	1.01E-04	1.40E-05	5.44E-04	6.48E-05	5.60E-05	4.73E-06
1814	438466.2	3725220	5.03E-04	1.09E-04	9.94E-05	1.37E-05	5.34E-04	6.37E-05	5.50E-05	4.65E-06
1815	438472.9	3725233	4.93E-04	1.07E-04	9.73E-05	1.34E-05	5.23E-04	6.24E-05	5.39E-05	4.56E-06
1816	438479.6	3725246	4.81E-04	1.04E-04	9.49E-05	1.31E-05	5.11E-04	6.09E-05	5.26E-05	4.45E-06
1817	438486.2	3725259	4.69E-04	1.02E-04	9.26E-05	1.28E-05	4.98E-04	5.94E-05	5.13E-05	4.34E-06
1818	438492.9	3725272	4.60E-04	1.00E-04	9.09E-05	1.26E-05	4.89E-04	5.83E-05	5.03E-05	4.26E-06
1819	438499.5	3725285	4.53E-04	9.85E-05	8.95E-05	1.24E-05	4.82E-04	5.74E-05	4.96E-05	4.19E-06
1820	438506.2	3725298	4.46E-04	9.70E-05	8.81E-05	1.22E-05	4.74E-04	5.65E-05	4.88E-05	4.13E-06
1821	438512.9	3725312	4.41E-04	9.57E-05	8.70E-05	1.20E-05	4.68E-04	5.58E-05	4.82E-05	4.08E-06
1822	438519.5	3725325	4.33E-04	9.42E-05	8.56E-05	1.18E-05	4.60E-04	5.49E-05	4.74E-05	4.01E-06
1823	438526.2	3725338	4.29E-04	9.32E-05	8.47E-05	1.17E-05	4.56E-04	5.43E-05	4.69E-05	3.97E-06
1824	438507.9	3725428	4.58E-04	9.95E-05	9.04E-05	1.25E-05	4.86E-04	5.80E-05	5.01E-05	4.24E-06
1825	438503.4	3725442	4.63E-04	1.01E-04	9.14E-05	1.26E-05	4.91E-04	5.86E-05	5.06E-05	4.28E-06
1826	438498.8	3725456	4.67E-04	1.01E-04	9.22E-05	1.27E-05	4.96E-04	5.91E-05	5.11E-05	4.32E-06
1827	438494.3	3725470	4.71E-04	1.02E-04	9.30E-05	1.29E-05	5.00E-04	5.97E-05	5.15E-05	4.36E-06
1828	438412.5	3725032	5.10E-04	1.11E-04	1.01E-04	1.39E-05	5.42E-04	6.46E-05	5.58E-05	4.72E-06
1829	438419.2	3725045	5.11E-04	1.11E-04	1.01E-04	1.40E-05	5.43E-04	6.48E-05	5.60E-05	4.73E-06
1830	438425.9	3725059	5.12E-04	1.11E-04	1.01E-04	1.40E-05	5.44E-04	6.49E-05	5.60E-05	4.74E-06
1831	438432.6	3725072	5.11E-04	1.11E-04	1.01E-04	1.39E-05	5.43E-04	6.47E-05	5.59E-05	4.72E-06
1832	438439.2	3725085	5.08E-04	1.10E-04	1.00E-04	1.39E-05	5.40E-04	6.44E-05	5.56E-05	4.70E-06
1833	438445.9	3725098	5.05E-04	1.10E-04	9.98E-05	1.38E-05	5.37E-04	6.40E-05	5.53E-05	4.67E-06
1834	438452.6	3725111	5.01E-04	1.09E-04	9.90E-05	1.37E-05	5.33E-04	6.35E-05	5.49E-05	4.64E-06
1835	438459.3	3725124	4.97E-04	1.08E-04	9.82E-05	1.36E-05	5.28E-04	6.29E-05	5.44E-05	4.60E-06
1836	438465.9	3725137	4.93E-04	1.07E-04	9.73E-05	1.34E-05	5.23E-04	6.24E-05	5.39E-05	4.56E-06
1837	438472.6	3725151	4.88E-04	1.06E-04	9.63E-05	1.33E-05	5.18E-04	6.17E-05	5.33E-05	4.51E-06
1838	438479.3	3725164	4.82E-04	1.05E-04	9.51E-05	1.31E-05	5.12E-04	6.10E-05	5.27E-05	4.45E-06
1839	438486	3725177	4.75E-04	1.03E-04	9.39E-05	1.30E-05	5.05E-04	6.02E-05	5.20E-05	4.40E-06
1840	438492.6	3725190	4.70E-04	1.02E-04	9.29E-05	1.28E-05	5.00E-04	5.95E-05	5.14E-05	4.35E-06
1841	438499.3	3725203	4.65E-04	1.01E-04	9.19E-05	1.27E-05	4.94E-04	5.89E-05	5.09E-05	4.30E-06
1842	438506	3725216	4.56E-04	9.90E-05	9.00E-05	1.24E-05	4.84E-04	5.77E-05	4.99E-05	4.21E-06
1843	438512.7	3725229	4.45E-04	9.68E-05	8.80E-05	1.22E-05	4.73E-04	5.64E-05	4.87E-05	4.12E-06
1844	438519.3	3725243	4.36E-04	9.48E-05	8.62E-05	1.19E-05	4.63E-04	5.52E-05	4.77E-05	4.03E-06

1845	438526	3725256	4.28E-04	9.30E-05	8.45E-05	1.17E-05	4.55E-04	5.42E-05	4.68E-05	3.96E-06
1846	438532.7	3725269	4.20E-04	9.12E-05	8.29E-05	1.14E-05	4.46E-04	5.31E-05	4.59E-05	3.88E-06
1847	438539.4	3725282	4.11E-04	8.92E-05	8.11E-05	1.12E-05	4.36E-04	5.20E-05	4.49E-05	3.80E-06
1848	438546	3725295	4.01E-04	8.70E-05	7.91E-05	1.09E-05	4.26E-04	5.07E-05	4.38E-05	3.71E-06
1849	438552.7	3725308	3.95E-04	8.58E-05	7.80E-05	1.08E-05	4.20E-04	5.00E-05	4.32E-05	3.65E-06
1850	438559.4	3725322	3.90E-04	8.46E-05	7.69E-05	1.06E-05	4.14E-04	4.93E-05	4.26E-05	3.60E-06
1851	438566.1	3725335	3.85E-04	8.35E-05	7.59E-05	1.05E-05	4.08E-04	4.87E-05	4.21E-05	3.56E-06
1852	438570.5	3725355	3.83E-04	8.32E-05	7.56E-05	1.04E-05	4.07E-04	4.85E-05	4.19E-05	3.54E-06
1853	438565.9	3725369	3.90E-04	8.47E-05	7.70E-05	1.06E-05	4.14E-04	4.94E-05	4.27E-05	3.61E-06
1854	438561.4	3725383	3.97E-04	8.63E-05	7.85E-05	1.08E-05	4.22E-04	5.03E-05	4.35E-05	3.68E-06
1855	438534.1	3725467	4.26E-04	9.24E-05	8.40E-05	1.16E-05	4.52E-04	5.39E-05	4.65E-05	3.94E-06
1856	438529.6	3725481	4.29E-04	9.33E-05	8.48E-05	1.17E-05	4.56E-04	5.44E-05	4.70E-05	3.97E-06
1857	438525	3725495	4.34E-04	9.42E-05	8.57E-05	1.18E-05	4.61E-04	5.49E-05	4.75E-05	4.01E-06
1858	438520.5	3725509	4.38E-04	9.52E-05	8.65E-05	1.20E-05	4.65E-04	5.55E-05	4.79E-05	4.05E-06
1859	438379.5	3725944	4.99E-04	1.08E-04	9.86E-05	1.36E-05	5.30E-04	6.32E-05	5.46E-05	4.62E-06
1860	438452.2	3725029	4.60E-04	9.99E-05	9.08E-05	1.25E-05	4.89E-04	5.82E-05	5.03E-05	4.25E-06
1861	438458.8	3725042	4.61E-04	1.00E-04	9.10E-05	1.26E-05	4.89E-04	5.83E-05	5.04E-05	4.26E-06
1862	438465.5	3725055	4.59E-04	9.98E-05	9.08E-05	1.25E-05	4.88E-04	5.82E-05	5.03E-05	4.25E-06
1863	438472.2	3725068	4.57E-04	9.94E-05	9.03E-05	1.25E-05	4.86E-04	5.79E-05	5.00E-05	4.23E-06
1864	438478.9	3725081	4.55E-04	9.88E-05	8.98E-05	1.24E-05	4.83E-04	5.76E-05	4.98E-05	4.21E-06
1865	438485.6	3725095	4.52E-04	9.81E-05	8.92E-05	1.23E-05	4.80E-04	5.72E-05	4.94E-05	4.18E-06
1866	438492.3	3725108	4.48E-04	9.73E-05	8.85E-05	1.22E-05	4.76E-04	5.67E-05	4.90E-05	4.14E-06
1867	438499	3725121	4.45E-04	9.66E-05	8.79E-05	1.21E-05	4.73E-04	5.63E-05	4.87E-05	4.11E-06
1868	438505.6	3725134	4.42E-04	9.60E-05	8.73E-05	1.21E-05	4.69E-04	5.60E-05	4.83E-05	4.09E-06
1869	438512.3	3725147	4.39E-04	9.53E-05	8.66E-05	1.20E-05	4.66E-04	5.55E-05	4.80E-05	4.06E-06
1870	438519	3725160	4.34E-04	9.42E-05	8.57E-05	1.18E-05	4.61E-04	5.49E-05	4.74E-05	4.01E-06
1871	438525.7	3725174	4.29E-04	9.33E-05	8.48E-05	1.17E-05	4.56E-04	5.44E-05	4.70E-05	3.97E-06
1872	438532.4	3725187	4.25E-04	9.24E-05	8.40E-05	1.16E-05	4.52E-04	5.39E-05	4.65E-05	3.93E-06
1873	438539.1	3725200	4.20E-04	9.13E-05	8.30E-05	1.15E-05	4.47E-04	5.32E-05	4.60E-05	3.89E-06
1874	438545.8	3725213	4.14E-04	8.99E-05	8.17E-05	1.13E-05	4.39E-04	5.24E-05	4.53E-05	3.83E-06
1875	438552.5	3725226	4.07E-04	8.84E-05	8.04E-05	1.11E-05	4.32E-04	5.15E-05	4.45E-05	3.76E-06
1876	438559.1	3725239	4.00E-04	8.68E-05	7.89E-05	1.09E-05	4.24E-04	5.06E-05	4.37E-05	3.70E-06
1877	438565.8	3725253	3.91E-04	8.50E-05	7.72E-05	1.07E-05	4.15E-04	4.95E-05	4.28E-05	3.62E-06
1878	438572.5	3725266	3.83E-04	8.32E-05	7.56E-05	1.04E-05	4.07E-04	4.85E-05	4.19E-05	3.54E-06
1879	438579.2	3725279	3.74E-04	8.12E-05	7.38E-05	1.02E-05	3.97E-04	4.73E-05	4.09E-05	3.46E-06
1880	438585.9	3725292	3.65E-04	7.94E-05	7.22E-05	9.97E-06	3.88E-04	4.63E-05	4.00E-05	3.38E-06
1881	438592.6	3725305	3.59E-04	7.80E-05	7.09E-05	9.79E-06	3.81E-04	4.55E-05	3.93E-05	3.32E-06
1882	438599.3	3725318	3.53E-04	7.66E-05	6.96E-05	9.62E-06	3.74E-04	4.46E-05	3.86E-05	3.26E-06
1883	438605.9	3725332	3.46E-04	7.53E-05	6.84E-05	9.45E-06	3.68E-04	4.39E-05	3.79E-05	3.20E-06
1884	438610.3	3725352	3.44E-04	7.47E-05	6.79E-05	9.38E-06	3.65E-04	4.36E-05	3.76E-05	3.18E-06
1885	438605.8	3725366	3.50E-04	7.61E-05	6.92E-05	9.56E-06	3.72E-04	4.44E-05	3.83E-05	3.24E-06
1886	438601.2	3725380	3.57E-04	7.77E-05	7.06E-05	9.75E-06	3.80E-04	4.53E-05	3.91E-05	3.31E-06
1887	438596.7	3725394	3.64E-04	7.91E-05	7.19E-05	9.93E-06	3.87E-04	4.61E-05	3.98E-05	3.37E-06
1888	438592.1	3725408	3.70E-04	8.04E-05	7.31E-05	1.01E-05	3.93E-04	4.68E-05	4.05E-05	3.42E-06
1889	438560.3	3725506	3.97E-04	8.64E-05	7.85E-05	1.08E-05	4.22E-04	5.03E-05	4.35E-05	3.68E-06
1890	438555.7	3725520	4.01E-04	8.72E-05	7.93E-05	1.09E-05	4.26E-04	5.08E-05	4.39E-05	3.71E-06
1891	438551.1	3725534	4.05E-04	8.80E-05	8.00E-05	1.11E-05	4.30E-04	5.13E-05	4.43E-05	3.75E-06
1892	438490.2	3725022	4.15E-04	9.02E-05	8.20E-05	1.13E-05	4.41E-04	5.26E-05	4.54E-05	3.84E-06
1893	438496.8	3725035	4.14E-04	9.00E-05	8.18E-05	1.13E-05	4.40E-04	5.24E-05	4.53E-05	3.83E-06
1894	438503.4	3725048	4.13E-04	8.97E-05	8.15E-05	1.13E-05	4.38E-04	5.23E-05	4.51E-05	3.82E-06
1895	438510	3725061	4.11E-04	8.93E-05	8.12E-05	1.12E-05	4.36E-04	5.20E-05	4.49E-05	3.80E-06
1896	438516.7	3725074	4.09E-04	8.88E-05	8.07E-05	1.11E-05	4.34E-04	5.17E-05	4.47E-05	3.78E-06
1897	438523.3	3725087	4.06E-04	8.82E-05	8.01E-05	1.11E-05	4.31E-04	5.14E-05	4.44E-05	3.75E-06
1898	438529.9	3725100	4.04E-04	8.78E-05	7.98E-05	1.10E-05	4.29E-04	5.12E-05	4.42E-05	3.74E-06
1899	438536.5	3725113	4.02E-04	8.73E-05	7.94E-05	1.10E-05	4.27E-04	5.09E-05	4.40E-05	3.72E-06
1900	438543.2	3725126	4.00E-04	8.69E-05	7.90E-05	1.09E-05	4.25E-04	5.06E-05	4.38E-05	3.70E-06

1901	438549.8	3725139	3.98E-04	8.64E-05	7.86E-05	1.09E-05	4.23E-04	5.04E-05	4.35E-05	3.68E-06
1902	438556.4	3725152	3.95E-04	8.59E-05	7.81E-05	1.08E-05	4.20E-04	5.01E-05	4.33E-05	3.66E-06
1903	438563.1	3725165	3.93E-04	8.53E-05	7.76E-05	1.07E-05	4.17E-04	4.97E-05	4.30E-05	3.63E-06
1904	438569.7	3725178	3.90E-04	8.47E-05	7.70E-05	1.06E-05	4.14E-04	4.94E-05	4.26E-05	3.60E-06
1905	438576.3	3725191	3.85E-04	8.36E-05	7.60E-05	1.05E-05	4.09E-04	4.87E-05	4.21E-05	3.56E-06
1906	438582.9	3725205	3.80E-04	8.25E-05	7.50E-05	1.04E-05	4.04E-04	4.81E-05	4.16E-05	3.51E-06
1907	438589.6	3725218	3.74E-04	8.12E-05	7.38E-05	1.02E-05	3.97E-04	4.73E-05	4.09E-05	3.46E-06
1908	438596.2	3725231	3.68E-04	7.99E-05	7.26E-05	1.00E-05	3.91E-04	4.66E-05	4.02E-05	3.40E-06
1909	438602.8	3725244	3.61E-04	7.84E-05	7.13E-05	9.85E-06	3.83E-04	4.57E-05	3.95E-05	3.34E-06
1910	438609.4	3725257	3.54E-04	7.69E-05	6.99E-05	9.66E-06	3.76E-04	4.48E-05	3.87E-05	3.27E-06
1911	438616.1	3725270	3.47E-04	7.54E-05	6.86E-05	9.47E-06	3.69E-04	4.40E-05	3.80E-05	3.21E-06
1912	438622.7	3725283	3.40E-04	7.38E-05	6.71E-05	9.27E-06	3.61E-04	4.30E-05	3.72E-05	3.14E-06
1913	438629.3	3725296	3.32E-04	7.22E-05	6.56E-05	9.07E-06	3.53E-04	4.21E-05	3.64E-05	3.07E-06
1914	438635.9	3725309	3.26E-04	7.08E-05	6.44E-05	8.89E-06	3.46E-04	4.13E-05	3.56E-05	3.01E-06
1915	438642.6	3725322	3.19E-04	6.94E-05	6.31E-05	8.72E-06	3.39E-04	4.05E-05	3.49E-05	2.95E-06
1916	438649.2	3725335	3.15E-04	6.84E-05	6.22E-05	8.59E-06	3.34E-04	3.99E-05	3.44E-05	2.91E-06
1917	438650.2	3725349	3.14E-04	6.82E-05	6.20E-05	8.57E-06	3.34E-04	3.98E-05	3.44E-05	2.90E-06
1918	438645.7	3725362	3.18E-04	6.90E-05	6.27E-05	8.67E-06	3.37E-04	4.02E-05	3.48E-05	2.94E-06
1919	438641.2	3725376	3.22E-04	7.01E-05	6.37E-05	8.80E-06	3.43E-04	4.08E-05	3.53E-05	2.98E-06
1920	438636.7	3725390	3.28E-04	7.13E-05	6.48E-05	8.95E-06	3.49E-04	4.15E-05	3.59E-05	3.03E-06
1921	438632.2	3725404	3.35E-04	7.27E-05	6.61E-05	9.13E-06	3.56E-04	4.24E-05	3.66E-05	3.10E-06
1922	438627.7	3725418	3.41E-04	7.41E-05	6.74E-05	9.31E-06	3.62E-04	4.32E-05	3.73E-05	3.16E-06
1923	438623.2	3725432	3.45E-04	7.50E-05	6.82E-05	9.42E-06	3.67E-04	4.37E-05	3.78E-05	3.19E-06
1924	438618.7	3725446	3.49E-04	7.59E-05	6.90E-05	9.53E-06	3.71E-04	4.42E-05	3.82E-05	3.23E-06
1925	438587.1	3725543	3.72E-04	8.08E-05	7.35E-05	1.01E-05	3.95E-04	4.71E-05	4.07E-05	3.44E-06
1926	438582.6	3725557	3.75E-04	8.14E-05	7.40E-05	1.02E-05	3.98E-04	4.75E-05	4.10E-05	3.47E-06
1927	438578	3725571	3.78E-04	8.21E-05	7.46E-05	1.03E-05	4.01E-04	4.78E-05	4.13E-05	3.49E-06
1928	438438.1	3726003	4.27E-04	9.28E-05	8.43E-05	1.17E-05	4.54E-04	5.41E-05	4.67E-05	3.95E-06
1929	438529.8	3725018	3.76E-04	8.17E-05	7.43E-05	1.03E-05	3.99E-04	4.76E-05	4.11E-05	3.48E-06
1930	438536.4	3725031	3.74E-04	8.14E-05	7.40E-05	1.02E-05	3.98E-04	4.74E-05	4.10E-05	3.46E-06
1931	438543	3725044	3.73E-04	8.10E-05	7.36E-05	1.02E-05	3.96E-04	4.72E-05	4.08E-05	3.45E-06
1932	438549.7	3725057	3.71E-04	8.06E-05	7.32E-05	1.01E-05	3.94E-04	4.70E-05	4.06E-05	3.43E-06
1933	438556.3	3725070	3.69E-04	8.02E-05	7.29E-05	1.01E-05	3.92E-04	4.67E-05	4.04E-05	3.41E-06
1934	438562.9	3725084	3.67E-04	7.97E-05	7.25E-05	1.00E-05	3.90E-04	4.65E-05	4.02E-05	3.39E-06
1935	438569.6	3725097	3.66E-04	7.94E-05	7.22E-05	9.97E-06	3.88E-04	4.63E-05	4.00E-05	3.38E-06
1936	438576.2	3725110	3.64E-04	7.90E-05	7.19E-05	9.93E-06	3.86E-04	4.61E-05	3.98E-05	3.36E-06
1937	438582.9	3725123	3.62E-04	7.87E-05	7.16E-05	9.89E-06	3.85E-04	4.59E-05	3.96E-05	3.35E-06
1938	438589.5	3725136	3.61E-04	7.84E-05	7.13E-05	9.85E-06	3.83E-04	4.57E-05	3.95E-05	3.34E-06
1939	438596.1	3725149	3.59E-04	7.81E-05	7.10E-05	9.80E-06	3.82E-04	4.55E-05	3.93E-05	3.32E-06
1940	438602.8	3725162	3.57E-04	7.76E-05	7.06E-05	9.75E-06	3.80E-04	4.53E-05	3.91E-05	3.31E-06
1941	438609.4	3725175	3.56E-04	7.73E-05	7.03E-05	9.71E-06	3.78E-04	4.50E-05	3.89E-05	3.29E-06
1942	438616	3725188	3.52E-04	7.64E-05	6.94E-05	9.59E-06	3.73E-04	4.45E-05	3.85E-05	3.25E-06
1943	438622.7	3725201	3.48E-04	7.56E-05	6.87E-05	9.49E-06	3.70E-04	4.41E-05	3.81E-05	3.22E-06
1944	438629.3	3725214	3.43E-04	7.46E-05	6.78E-05	9.37E-06	3.65E-04	4.35E-05	3.76E-05	3.18E-06
1945	438636	3725227	3.38E-04	7.34E-05	6.68E-05	9.22E-06	3.59E-04	4.28E-05	3.70E-05	3.13E-06
1946	438642.6	3725240	3.32E-04	7.22E-05	6.57E-05	9.07E-06	3.53E-04	4.21E-05	3.64E-05	3.07E-06
1947	438649.2	3725253	3.27E-04	7.10E-05	6.45E-05	8.91E-06	3.47E-04	4.14E-05	3.57E-05	3.02E-06
1948	438655.9	3725267	3.21E-04	6.97E-05	6.34E-05	8.76E-06	3.41E-04	4.06E-05	3.51E-05	2.97E-06
1949	438662.5	3725280	3.14E-04	6.83E-05	6.21E-05	8.57E-06	3.34E-04	3.98E-05	3.44E-05	2.91E-06
1950	438669.2	3725293	3.08E-04	6.69E-05	6.08E-05	8.40E-06	3.27E-04	3.90E-05	3.37E-05	2.85E-06
1951	438675.8	3725306	3.02E-04	6.57E-05	5.97E-05	8.25E-06	3.21E-04	3.83E-05	3.31E-05	2.80E-06
1952	438682.4	3725319	2.97E-04	6.45E-05	5.86E-05	8.09E-06	3.15E-04	3.76E-05	3.25E-05	2.74E-06
1953	438689.1	3725332	2.92E-04	6.34E-05	5.76E-05	7.96E-06	3.10E-04	3.69E-05	3.19E-05	2.70E-06
1954	438690.1	3725345	2.91E-04	6.31E-05	5.74E-05	7.93E-06	3.09E-04	3.68E-05	3.18E-05	2.69E-06
1955	438685.6	3725359	2.93E-04	6.36E-05	5.79E-05	7.99E-06	3.11E-04	3.71E-05	3.20E-05	2.71E-06
1956	438681.1	3725373	2.97E-04	6.45E-05	5.87E-05	8.10E-06	3.15E-04	3.76E-05	3.25E-05	2.75E-06

1957	438676.6	3725387	3.01E-04	6.54E-05	5.95E-05	8.22E-06	3.20E-04	3.81E-05	3.30E-05	2.79E-06
1958	438672	3725401	3.06E-04	6.65E-05	6.04E-05	8.35E-06	3.25E-04	3.87E-05	3.35E-05	2.83E-06
1959	438667.5	3725415	3.11E-04	6.76E-05	6.14E-05	8.48E-06	3.30E-04	3.94E-05	3.40E-05	2.88E-06
1960	438663	3725429	3.16E-04	6.87E-05	6.24E-05	8.63E-06	3.36E-04	4.00E-05	3.46E-05	2.92E-06
1961	438658.5	3725443	3.21E-04	6.98E-05	6.34E-05	8.76E-06	3.41E-04	4.07E-05	3.51E-05	2.97E-06
1962	438654	3725457	3.24E-04	7.05E-05	6.41E-05	8.85E-06	3.45E-04	4.11E-05	3.55E-05	3.00E-06
1963	438649.4	3725471	3.27E-04	7.11E-05	6.46E-05	8.93E-06	3.48E-04	4.14E-05	3.58E-05	3.03E-06
1964	438644.9	3725485	3.30E-04	7.17E-05	6.52E-05	9.00E-06	3.51E-04	4.18E-05	3.61E-05	3.05E-06
1965	438613.3	3725582	3.49E-04	7.59E-05	6.90E-05	9.53E-06	3.71E-04	4.42E-05	3.82E-05	3.23E-06
1966	438504.8	3725917	4.02E-04	8.74E-05	7.95E-05	1.10E-05	4.27E-04	5.10E-05	4.40E-05	3.72E-06
1967	438500.2	3725931	4.03E-04	8.76E-05	7.97E-05	1.10E-05	4.28E-04	5.11E-05	4.41E-05	3.73E-06
1968	438495.7	3725945	4.04E-04	8.77E-05	7.97E-05	1.10E-05	4.29E-04	5.11E-05	4.41E-05	3.73E-06
1969	438491.2	3725959	4.04E-04	8.77E-05	7.97E-05	1.10E-05	4.29E-04	5.11E-05	4.42E-05	3.73E-06
1970	438486.7	3725973	4.03E-04	8.76E-05	7.97E-05	1.10E-05	4.28E-04	5.11E-05	4.41E-05	3.73E-06
1971	438482.2	3725987	4.03E-04	8.75E-05	7.95E-05	1.10E-05	4.28E-04	5.10E-05	4.40E-05	3.72E-06
1972	438477.6	3726001	4.01E-04	8.71E-05	7.92E-05	1.09E-05	4.26E-04	5.08E-05	4.39E-05	3.71E-06
1973	438473.1	3726015	3.99E-04	8.68E-05	7.89E-05	1.09E-05	4.24E-04	5.06E-05	4.37E-05	3.69E-06
1974	438468.6	3726029	3.98E-04	8.65E-05	7.86E-05	1.09E-05	4.23E-04	5.04E-05	4.36E-05	3.68E-06
1975	438576	3725028	3.39E-04	7.37E-05	6.70E-05	9.26E-06	3.60E-04	4.30E-05	3.71E-05	3.14E-06
1976	438582.7	3725041	3.37E-04	7.33E-05	6.67E-05	9.21E-06	3.58E-04	4.27E-05	3.69E-05	3.12E-06
1977	438589.3	3725054	3.35E-04	7.28E-05	6.62E-05	9.14E-06	3.56E-04	4.24E-05	3.67E-05	3.10E-06
1978	438596	3725067	3.34E-04	7.25E-05	6.59E-05	9.11E-06	3.55E-04	4.23E-05	3.65E-05	3.09E-06
1979	438602.6	3725080	3.33E-04	7.24E-05	6.58E-05	9.10E-06	3.54E-04	4.22E-05	3.65E-05	3.08E-06
1980	438609.3	3725093	3.33E-04	7.23E-05	6.57E-05	9.08E-06	3.53E-04	4.21E-05	3.64E-05	3.08E-06
1981	438615.9	3725106	3.31E-04	7.20E-05	6.55E-05	9.04E-06	3.52E-04	4.20E-05	3.63E-05	3.07E-06
1982	438622.6	3725119	3.30E-04	7.17E-05	6.52E-05	9.01E-06	3.51E-04	4.18E-05	3.61E-05	3.05E-06
1983	438629.2	3725132	3.28E-04	7.14E-05	6.49E-05	8.96E-06	3.49E-04	4.16E-05	3.59E-05	3.04E-06
1984	438635.9	3725145	3.26E-04	7.09E-05	6.45E-05	8.91E-06	3.47E-04	4.13E-05	3.57E-05	3.02E-06
1985	438642.5	3725159	3.24E-04	7.04E-05	6.40E-05	8.85E-06	3.44E-04	4.11E-05	3.55E-05	3.00E-06
1986	438649.2	3725172	3.22E-04	6.99E-05	6.35E-05	8.78E-06	3.42E-04	4.07E-05	3.52E-05	2.97E-06
1987	438655.8	3725185	3.19E-04	6.94E-05	6.31E-05	8.71E-06	3.39E-04	4.04E-05	3.49E-05	2.95E-06
1988	438662.5	3725198	3.18E-04	6.90E-05	6.27E-05	8.67E-06	3.37E-04	4.02E-05	3.47E-05	2.94E-06
1989	438669.1	3725211	3.15E-04	6.85E-05	6.23E-05	8.60E-06	3.35E-04	3.99E-05	3.45E-05	2.92E-06
1990	438675.7	3725224	3.11E-04	6.75E-05	6.13E-05	8.47E-06	3.30E-04	3.93E-05	3.40E-05	2.87E-06
1991	438682.4	3725237	3.06E-04	6.65E-05	6.04E-05	8.35E-06	3.25E-04	3.88E-05	3.35E-05	2.83E-06
1992	438689	3725250	3.01E-04	6.54E-05	5.95E-05	8.22E-06	3.20E-04	3.81E-05	3.29E-05	2.79E-06
1993	438695.7	3725263	2.97E-04	6.45E-05	5.86E-05	8.10E-06	3.15E-04	3.76E-05	3.25E-05	2.75E-06
1994	438702.3	3725276	2.92E-04	6.34E-05	5.76E-05	7.96E-06	3.10E-04	3.69E-05	3.19E-05	2.70E-06
1995	438709	3725289	2.87E-04	6.23E-05	5.66E-05	7.82E-06	3.04E-04	3.63E-05	3.14E-05	2.65E-06
1996	438715.6	3725303	2.82E-04	6.12E-05	5.57E-05	7.69E-06	2.99E-04	3.57E-05	3.08E-05	2.61E-06
1997	438722.3	3725316	2.77E-04	6.02E-05	5.48E-05	7.57E-06	2.95E-04	3.51E-05	3.03E-05	2.56E-06
1998	438728.9	3725329	2.73E-04	5.94E-05	5.40E-05	7.46E-06	2.90E-04	3.46E-05	2.99E-05	2.53E-06
1999	438730	3725342	2.72E-04	5.91E-05	5.37E-05	7.42E-06	2.89E-04	3.44E-05	2.98E-05	2.52E-06
2000	438725.5	3725356	2.73E-04	5.93E-05	5.39E-05	7.45E-06	2.90E-04	3.46E-05	2.99E-05	2.53E-06
2001	438720.9	3725370	2.76E-04	6.00E-05	5.45E-05	7.53E-06	2.93E-04	3.50E-05	3.02E-05	2.55E-06
2002	438716.4	3725384	2.79E-04	6.07E-05	5.52E-05	7.62E-06	2.97E-04	3.54E-05	3.06E-05	2.58E-06
2003	438711.9	3725398	2.83E-04	6.15E-05	5.59E-05	7.72E-06	3.01E-04	3.58E-05	3.10E-05	2.62E-06
2004	438707.4	3725412	2.87E-04	6.23E-05	5.66E-05	7.82E-06	3.05E-04	3.63E-05	3.14E-05	2.65E-06
2005	438702.8	3725426	2.91E-04	6.32E-05	5.74E-05	7.93E-06	3.09E-04	3.68E-05	3.18E-05	2.69E-06
2006	438698.3	3725440	2.95E-04	6.41E-05	5.83E-05	8.05E-06	3.13E-04	3.74E-05	3.23E-05	2.73E-06
2007	438693.8	3725454	2.99E-04	6.50E-05	5.90E-05	8.16E-06	3.18E-04	3.79E-05	3.27E-05	2.76E-06
2008	438689.2	3725468	3.02E-04	6.56E-05	5.97E-05	8.24E-06	3.21E-04	3.83E-05	3.31E-05	2.79E-06
2009	438684.7	3725482	3.05E-04	6.62E-05	6.02E-05	8.32E-06	3.24E-04	3.86E-05	3.34E-05	2.82E-06
2010	438680.2	3725496	3.07E-04	6.68E-05	6.07E-05	8.38E-06	3.26E-04	3.89E-05	3.36E-05	2.84E-06
2011	438675.7	3725510	3.10E-04	6.73E-05	6.12E-05	8.45E-06	3.29E-04	3.92E-05	3.39E-05	2.86E-06
2012	438671.1	3725524	3.12E-04	6.78E-05	6.16E-05	8.51E-06	3.31E-04	3.95E-05	3.41E-05	2.88E-06

2013	438666.6	3725538	3.14E-04	6.82E-05	6.20E-05	8.57E-06	3.34E-04	3.98E-05	3.44E-05	2.90E-06
2014	438594.2	3725761	3.51E-04	7.62E-05	6.93E-05	9.57E-06	3.73E-04	4.44E-05	3.84E-05	3.24E-06
2015	438589.6	3725775	3.53E-04	7.67E-05	6.97E-05	9.63E-06	3.75E-04	4.47E-05	3.86E-05	3.26E-06
2016	438557.9	3725873	3.67E-04	7.98E-05	7.26E-05	1.00E-05	3.90E-04	4.65E-05	4.02E-05	3.40E-06
2017	438553.4	3725887	3.69E-04	8.02E-05	7.29E-05	1.01E-05	3.92E-04	4.68E-05	4.04E-05	3.42E-06
2018	438548.9	3725901	3.71E-04	8.06E-05	7.33E-05	1.01E-05	3.94E-04	4.70E-05	4.06E-05	3.43E-06
2019	438544.3	3725915	3.73E-04	8.10E-05	7.36E-05	1.02E-05	3.96E-04	4.72E-05	4.08E-05	3.45E-06
2020	438539.8	3725929	3.74E-04	8.13E-05	7.39E-05	1.02E-05	3.97E-04	4.74E-05	4.09E-05	3.46E-06
2021	438535.3	3725943	3.75E-04	8.15E-05	7.41E-05	1.02E-05	3.99E-04	4.75E-05	4.10E-05	3.47E-06
2022	438530.8	3725957	3.76E-04	8.17E-05	7.43E-05	1.03E-05	3.99E-04	4.76E-05	4.11E-05	3.48E-06
2023	438526.2	3725971	3.77E-04	8.19E-05	7.44E-05	1.03E-05	4.00E-04	4.77E-05	4.12E-05	3.48E-06
2024	438521.7	3725985	3.77E-04	8.20E-05	7.45E-05	1.03E-05	4.01E-04	4.78E-05	4.13E-05	3.49E-06
2025	438517.2	3725999	3.76E-04	8.18E-05	7.44E-05	1.03E-05	4.00E-04	4.77E-05	4.12E-05	3.48E-06
2026	438512.6	3726013	3.75E-04	8.15E-05	7.41E-05	1.02E-05	3.99E-04	4.75E-05	4.11E-05	3.47E-06
2027	438476.5	3725934	4.21E-04	9.15E-05	8.32E-05	1.15E-05	4.47E-04	5.33E-05	4.61E-05	3.90E-06
2028	438497.2	3725973	3.96E-04	8.60E-05	7.82E-05	1.08E-05	4.21E-04	5.01E-05	4.33E-05	3.66E-06
2029	438502.7	3725966	3.94E-04	8.55E-05	7.78E-05	1.07E-05	4.18E-04	4.99E-05	4.31E-05	3.64E-06
2030	438508.3	3725959	3.91E-04	8.50E-05	7.73E-05	1.07E-05	4.16E-04	4.96E-05	4.28E-05	3.62E-06
2031	438529	3725998	3.70E-04	8.03E-05	7.30E-05	1.01E-05	3.93E-04	4.68E-05	4.04E-05	3.42E-06
2032	438534.5	3725990	3.68E-04	7.99E-05	7.26E-05	1.00E-05	3.91E-04	4.66E-05	4.02E-05	3.40E-06
2033	438540	3725983	3.66E-04	7.95E-05	7.22E-05	9.98E-06	3.88E-04	4.63E-05	4.00E-05	3.38E-06
2034	438532.4	3725523	4.24E-04	9.22E-05	8.38E-05	1.16E-05	4.51E-04	5.37E-05	4.64E-05	3.92E-06
2035	438566.5	3725547	3.90E-04	8.47E-05	7.70E-05	1.06E-05	4.14E-04	4.93E-05	4.26E-05	3.60E-06
2036	438571.6	3725531	3.86E-04	8.39E-05	7.63E-05	1.05E-05	4.10E-04	4.89E-05	4.22E-05	3.57E-06
2037	438598.9	3725570	3.61E-04	7.84E-05	7.13E-05	9.85E-06	3.84E-04	4.57E-05	3.95E-05	3.34E-06
2038	438592	3725585	3.66E-04	7.95E-05	7.22E-05	9.98E-06	3.89E-04	4.63E-05	4.00E-05	3.38E-06
2039	438684.2	3725571	3.02E-04	6.55E-05	5.96E-05	8.23E-06	3.20E-04	3.82E-05	3.30E-05	2.79E-06
2040	438539.3	3725890	3.79E-04	8.24E-05	7.49E-05	1.04E-05	4.03E-04	4.80E-05	4.15E-05	3.51E-06
2041	438532.4	3725906	3.83E-04	8.32E-05	7.56E-05	1.04E-05	4.07E-04	4.85E-05	4.19E-05	3.54E-06
2042	438525.5	3725921	3.86E-04	8.39E-05	7.62E-05	1.05E-05	4.10E-04	4.89E-05	4.22E-05	3.57E-06
2043	438518.6	3725936	3.89E-04	8.44E-05	7.67E-05	1.06E-05	4.13E-04	4.92E-05	4.25E-05	3.59E-06
2044	438689.3	3725555	2.99E-04	6.50E-05	5.91E-05	8.16E-06	3.18E-04	3.79E-05	3.27E-05	2.77E-06
2045	438723.4	3725578	2.79E-04	6.05E-05	5.50E-05	7.60E-06	2.96E-04	3.53E-05	3.05E-05	2.58E-06
2046	438716.5	3725594	2.82E-04	6.12E-05	5.57E-05	7.69E-06	2.99E-04	3.57E-05	3.08E-05	2.61E-06
2047	438709.6	3725609	2.85E-04	6.20E-05	5.63E-05	7.78E-06	3.03E-04	3.61E-05	3.12E-05	2.64E-06
2048	438702.6	3725624	2.89E-04	6.27E-05	5.70E-05	7.88E-06	3.07E-04	3.66E-05	3.16E-05	2.67E-06
2049	438661.1	3725716	3.10E-04	6.73E-05	6.12E-05	8.46E-06	3.29E-04	3.92E-05	3.39E-05	2.87E-06
2050	438640.4	3725762	3.20E-04	6.94E-05	6.31E-05	8.72E-06	3.39E-04	4.05E-05	3.50E-05	2.96E-06
2051	438633.4	3725777	3.23E-04	7.02E-05	6.38E-05	8.81E-06	3.43E-04	4.09E-05	3.53E-05	2.99E-06
2052	438626.5	3725792	3.26E-04	7.09E-05	6.45E-05	8.91E-06	3.47E-04	4.13E-05	3.57E-05	3.02E-06
2053	438619.6	3725808	3.30E-04	7.17E-05	6.51E-05	9.00E-06	3.50E-04	4.18E-05	3.61E-05	3.05E-06
2054	438612.7	3725823	3.33E-04	7.24E-05	6.58E-05	9.09E-06	3.54E-04	4.22E-05	3.65E-05	3.08E-06
2055	438605.8	3725838	3.37E-04	7.31E-05	6.65E-05	9.19E-06	3.58E-04	4.26E-05	3.68E-05	3.11E-06
2056	438598.8	3725853	3.40E-04	7.38E-05	6.71E-05	9.27E-06	3.61E-04	4.30E-05	3.72E-05	3.14E-06
2057	438591.9	3725869	3.44E-04	7.46E-05	6.78E-05	9.37E-06	3.65E-04	4.35E-05	3.76E-05	3.18E-06
2058	438585	3725884	3.47E-04	7.55E-05	6.86E-05	9.48E-06	3.69E-04	4.40E-05	3.80E-05	3.21E-06
2059	438578.1	3725899	3.51E-04	7.63E-05	6.94E-05	9.58E-06	3.73E-04	4.45E-05	3.84E-05	3.25E-06
2060	438571.2	3725914	3.54E-04	7.70E-05	7.00E-05	9.67E-06	3.76E-04	4.49E-05	3.88E-05	3.28E-06
2061	438564.2	3725930	3.57E-04	7.76E-05	7.05E-05	9.75E-06	3.79E-04	4.52E-05	3.91E-05	3.30E-06
2062	438557.3	3725945	3.60E-04	7.82E-05	7.11E-05	9.82E-06	3.82E-04	4.56E-05	3.94E-05	3.33E-06
2063	438550.4	3725960	3.62E-04	7.87E-05	7.16E-05	9.89E-06	3.85E-04	4.59E-05	3.96E-05	3.35E-06
2064	438728.5	3725563	2.76E-04	6.00E-05	5.46E-05	7.54E-06	2.94E-04	3.50E-05	3.02E-05	2.56E-06
2065	438498.3	3725488	4.65E-04	1.01E-04	9.18E-05	1.27E-05	4.94E-04	5.89E-05	5.09E-05	4.30E-06
2066	438502.3	3725464	4.62E-04	1.00E-04	9.12E-05	1.26E-05	4.91E-04	5.85E-05	5.05E-05	4.27E-06
2067	438537.7	3725495	4.20E-04	9.13E-05	8.30E-05	1.15E-05	4.46E-04	5.32E-05	4.60E-05	3.89E-06
2068	438535.3	3725508	4.22E-04	9.17E-05	8.34E-05	1.15E-05	4.48E-04	5.35E-05	4.62E-05	3.91E-06

2069	438540.4	3725479	4.18E-04	9.08E-05	8.26E-05	1.14E-05	4.44E-04	5.29E-05	4.57E-05	3.87E-06
2070	438658.8	3725499	3.21E-04	6.97E-05	6.33E-05	8.75E-06	3.41E-04	4.06E-05	3.51E-05	2.97E-06
2071	438661.6	3725482	3.19E-04	6.93E-05	6.30E-05	8.71E-06	3.39E-04	4.04E-05	3.49E-05	2.95E-06
2072	438695.4	3725522	2.97E-04	6.45E-05	5.87E-05	8.10E-06	3.16E-04	3.76E-05	3.25E-05	2.75E-06
2073	438692.4	3725538	2.98E-04	6.48E-05	5.89E-05	8.13E-06	3.17E-04	3.77E-05	3.26E-05	2.76E-06
2074	438698.3	3725505	2.96E-04	6.43E-05	5.85E-05	8.08E-06	3.14E-04	3.75E-05	3.24E-05	2.74E-06
2075	438701	3725488	2.95E-04	6.41E-05	5.83E-05	8.05E-06	3.13E-04	3.74E-05	3.23E-05	2.73E-06
2076	438735.1	3725527	2.75E-04	5.97E-05	5.43E-05	7.50E-06	2.92E-04	3.48E-05	3.01E-05	2.54E-06
2077	438732.6	3725541	2.76E-04	5.99E-05	5.44E-05	7.52E-06	2.93E-04	3.49E-05	3.01E-05	2.55E-06
2078	438737.7	3725512	2.74E-04	5.95E-05	5.41E-05	7.48E-06	2.91E-04	3.47E-05	3.00E-05	2.53E-06
2079	438740.5	3725495	2.73E-04	5.93E-05	5.39E-05	7.45E-06	2.90E-04	3.46E-05	2.99E-05	2.53E-06
2080	437801.1	3725247	2.21E-02	4.81E-03	4.37E-03	6.04E-04	2.35E-02	2.80E-03	2.42E-03	2.05E-04
2081	437796.7	3725239	2.16E-02	4.70E-03	4.27E-03	5.90E-04	2.30E-02	2.74E-03	2.37E-03	2.00E-04
2082	437815	3725258	1.99E-02	4.32E-03	3.93E-03	5.43E-04	2.11E-02	2.52E-03	2.18E-03	1.84E-04
2083	437809.9	3725243	1.88E-02	4.09E-03	3.72E-03	5.13E-04	2.00E-02	2.38E-03	2.06E-03	1.74E-04
2084	437805.5	3725234	1.84E-02	3.99E-03	3.63E-03	5.02E-04	1.95E-02	2.33E-03	2.01E-03	1.70E-04
2085	437824	3725255	1.72E-02	3.74E-03	3.40E-03	4.70E-04	1.83E-02	2.18E-03	1.88E-03	1.59E-04
2086	437823.1	3725246	1.64E-02	3.56E-03	3.24E-03	4.47E-04	1.74E-02	2.08E-03	1.79E-03	1.52E-04
2087	437818.7	3725238	1.62E-02	3.52E-03	3.20E-03	4.42E-04	1.72E-02	2.05E-03	1.77E-03	1.50E-04
2088	437814.4	3725230	1.59E-02	3.45E-03	3.14E-03	4.33E-04	1.69E-02	2.01E-03	1.74E-03	1.47E-04
2089	437810	3725222	1.54E-02	3.35E-03	3.04E-03	4.20E-04	1.64E-02	1.95E-03	1.68E-03	1.42E-04
2090	437832.8	3725250	1.50E-02	3.26E-03	2.96E-03	4.09E-04	1.59E-02	1.90E-03	1.64E-03	1.39E-04
2091	437827.6	3725233	1.41E-02	3.07E-03	2.79E-03	3.85E-04	1.50E-02	1.79E-03	1.54E-03	1.31E-04
2092	437823.2	3725225	1.38E-02	3.01E-03	2.73E-03	3.78E-04	1.47E-02	1.75E-03	1.51E-03	1.28E-04
2093	437818.9	3725217	1.34E-02	2.92E-03	2.66E-03	3.67E-04	1.43E-02	1.70E-03	1.47E-03	1.24E-04
2094	437836.4	3725229	1.25E-02	2.71E-03	2.47E-03	3.41E-04	1.33E-02	1.58E-03	1.37E-03	1.16E-04
2095	437832	3725220	1.22E-02	2.65E-03	2.41E-03	3.33E-04	1.30E-02	1.55E-03	1.33E-03	1.13E-04
2096	437827.7	3725212	1.18E-02	2.57E-03	2.34E-03	3.23E-04	1.26E-02	1.50E-03	1.29E-03	1.09E-04
2097	437823.4	3725204	1.14E-02	2.48E-03	2.25E-03	3.11E-04	1.21E-02	1.45E-03	1.25E-03	1.06E-04
2098	437845.2	3725224	1.12E-02	2.42E-03	2.20E-03	3.04E-04	1.18E-02	1.41E-03	1.22E-03	1.03E-04
2099	437840.9	3725216	1.09E-02	2.37E-03	2.16E-03	2.98E-04	1.16E-02	1.38E-03	1.19E-03	1.01E-04
2100	437836.5	3725208	1.06E-02	2.30E-03	2.09E-03	2.89E-04	1.12E-02	1.34E-03	1.16E-03	9.79E-05
2101	437832.2	3725199	1.02E-02	2.21E-03	2.01E-03	2.78E-04	1.08E-02	1.29E-03	1.11E-03	9.41E-05
2102	437854.1	3725219	1.00E-02	2.18E-03	1.98E-03	2.73E-04	1.06E-02	1.27E-03	1.10E-03	9.27E-05
2103	437849.7	3725211	9.82E-03	2.13E-03	1.94E-03	2.68E-04	1.04E-02	1.24E-03	1.07E-03	9.08E-05
2104	437845.4	3725203	9.55E-03	2.07E-03	1.89E-03	2.60E-04	1.01E-02	1.21E-03	1.04E-03	8.83E-05
2105	437841	3725195	9.21E-03	2.00E-03	1.82E-03	2.51E-04	9.79E-03	1.17E-03	1.01E-03	8.52E-05
2106	437933.7	3725156	4.23E-03	9.19E-04	8.36E-04	1.15E-04	4.49E-03	5.36E-04	4.63E-04	3.91E-05
2107	437929.3	3725148	4.14E-03	9.00E-04	8.18E-04	1.13E-04	4.40E-03	5.25E-04	4.53E-04	3.83E-05
2108	437951.4	3725147	3.66E-03	7.95E-04	7.23E-04	9.99E-05	3.89E-03	4.64E-04	4.00E-04	3.39E-05
2109	438061.6	3725120	1.96E-03	4.25E-04	3.87E-04	5.34E-05	2.08E-03	2.48E-04	2.14E-04	1.81E-05
2110	438048.5	3725095	1.88E-03	4.09E-04	3.72E-04	5.13E-05	2.00E-03	2.38E-04	2.06E-04	1.74E-05
2111	438088.1	3725105	1.67E-03	3.63E-04	3.30E-04	4.56E-05	1.77E-03	2.12E-04	1.83E-04	1.55E-05
2112	438083.7	3725097	1.65E-03	3.59E-04	3.27E-04	4.51E-05	1.76E-03	2.09E-04	1.81E-04	1.53E-05
2113	438079.4	3725089	1.63E-03	3.54E-04	3.22E-04	4.45E-05	1.73E-03	2.07E-04	1.78E-04	1.51E-05
2114	438075	3725081	1.61E-03	3.49E-04	3.18E-04	4.39E-05	1.71E-03	2.04E-04	1.76E-04	1.49E-05
2115	438070.7	3725073	1.58E-03	3.44E-04	3.13E-04	4.32E-05	1.68E-03	2.00E-04	1.73E-04	1.46E-05
2116	438122.2	3725164	1.70E-03	3.69E-04	3.35E-04	4.63E-05	1.80E-03	2.15E-04	1.86E-04	1.57E-05
2117	438123.2	3725173	1.72E-03	3.74E-04	3.40E-04	4.70E-05	1.83E-03	2.18E-04	1.89E-04	1.59E-05
2118	438114.6	3725091	1.44E-03	3.13E-04	2.85E-04	3.94E-05	1.53E-03	1.83E-04	1.58E-04	1.33E-05
2119	438110.2	3725083	1.43E-03	3.10E-04	2.82E-04	3.90E-05	1.52E-03	1.81E-04	1.56E-04	1.32E-05
2120	438105.9	3725075	1.41E-03	3.06E-04	2.79E-04	3.85E-05	1.50E-03	1.79E-04	1.54E-04	1.30E-05
2121	438101.5	3725067	1.39E-03	3.02E-04	2.75E-04	3.79E-05	1.48E-03	1.76E-04	1.52E-04	1.29E-05
2122	438097.2	3725059	1.37E-03	2.97E-04	2.70E-04	3.73E-05	1.45E-03	1.73E-04	1.50E-04	1.26E-05
2123	438147.8	3725142	1.44E-03	3.13E-04	2.85E-04	3.93E-05	1.53E-03	1.83E-04	1.58E-04	1.33E-05
2124	438148.8	3725151	1.46E-03	3.18E-04	2.89E-04	4.00E-05	1.56E-03	1.85E-04	1.60E-04	1.35E-05

2125	438149.8	3725160	1.49E-03	3.23E-04	2.94E-04	4.06E-05	1.58E-03	1.88E-04	1.63E-04	1.38E-05
2126	438150.7	3725169	1.51E-03	3.28E-04	2.98E-04	4.12E-05	1.60E-03	1.91E-04	1.65E-04	1.40E-05
2127	438176.1	3725145	1.30E-03	2.81E-04	2.56E-04	3.53E-05	1.38E-03	1.64E-04	1.42E-04	1.20E-05
2128	438177.1	3725154	1.31E-03	2.85E-04	2.59E-04	3.58E-05	1.39E-03	1.66E-04	1.44E-04	1.21E-05
2129	438178	3725163	1.33E-03	2.89E-04	2.62E-04	3.62E-05	1.41E-03	1.68E-04	1.45E-04	1.23E-05
2130	438179	3725172	1.34E-03	2.92E-04	2.65E-04	3.66E-05	1.43E-03	1.70E-04	1.47E-04	1.24E-05
2131	438183.8	3725217	1.39E-03	3.02E-04	2.74E-04	3.79E-05	1.47E-03	1.76E-04	1.52E-04	1.28E-05
2132	438184.7	3725226	1.39E-03	3.03E-04	2.75E-04	3.80E-05	1.48E-03	1.76E-04	1.52E-04	1.29E-05
2133	438221.5	3725044	8.87E-04	1.93E-04	1.75E-04	2.42E-05	9.42E-04	1.12E-04	9.70E-05	8.20E-06
2134	438220.6	3725035	8.70E-04	1.89E-04	1.72E-04	2.37E-05	9.24E-04	1.10E-04	9.51E-05	8.04E-06
2135	438216.2	3725027	8.62E-04	1.87E-04	1.70E-04	2.35E-05	9.16E-04	1.09E-04	9.43E-05	7.97E-06
2136	438211.9	3725019	8.52E-04	1.85E-04	1.68E-04	2.32E-05	9.05E-04	1.08E-04	9.32E-05	7.88E-06
2137	438207.5	3725011	8.41E-04	1.83E-04	1.66E-04	2.29E-05	8.93E-04	1.06E-04	9.20E-05	7.78E-06
2138	438203.2	3725002	8.29E-04	1.80E-04	1.64E-04	2.26E-05	8.81E-04	1.05E-04	9.07E-05	7.67E-06
2139	438250.9	3725058	8.36E-04	1.82E-04	1.65E-04	2.28E-05	8.88E-04	1.06E-04	9.15E-05	7.73E-06
2140	438251.9	3725067	8.52E-04	1.85E-04	1.68E-04	2.33E-05	9.05E-04	1.08E-04	9.33E-05	7.88E-06
2141	438252.8	3725076	8.68E-04	1.89E-04	1.72E-04	2.37E-05	9.22E-04	1.10E-04	9.50E-05	8.03E-06
2142	438266.3	3725203	9.73E-04	2.11E-04	1.92E-04	2.65E-05	1.03E-03	1.23E-04	1.06E-04	9.00E-06
2143	438267.2	3725213	9.74E-04	2.12E-04	1.92E-04	2.66E-05	1.03E-03	1.23E-04	1.07E-04	9.01E-06
2144	438273	3725267	9.79E-04	2.13E-04	1.93E-04	2.67E-05	1.04E-03	1.24E-04	1.07E-04	9.05E-06
2145	438274	3725276	9.79E-04	2.13E-04	1.93E-04	2.67E-05	1.04E-03	1.24E-04	1.07E-04	9.06E-06
2146	438275.5	3725025	7.16E-04	1.55E-04	1.41E-04	1.95E-05	7.60E-04	9.06E-05	7.83E-05	6.62E-06
2147	438276.5	3725035	7.32E-04	1.59E-04	1.45E-04	2.00E-05	7.77E-04	9.27E-05	8.01E-05	6.77E-06
2148	438277.4	3725044	7.48E-04	1.63E-04	1.48E-04	2.04E-05	7.95E-04	9.47E-05	8.18E-05	6.92E-06
2149	438278.4	3725053	7.65E-04	1.66E-04	1.51E-04	2.09E-05	8.12E-04	9.68E-05	8.36E-05	7.07E-06
2150	438297.8	3725237	8.68E-04	1.89E-04	1.71E-04	2.37E-05	9.22E-04	1.10E-04	9.49E-05	8.03E-06
2151	438298.8	3725246	8.69E-04	1.89E-04	1.72E-04	2.37E-05	9.23E-04	1.10E-04	9.50E-05	8.04E-06
2152	438299.8	3725256	8.69E-04	1.89E-04	1.72E-04	2.37E-05	9.24E-04	1.10E-04	9.51E-05	8.04E-06
2153	438300.7	3725265	8.70E-04	1.89E-04	1.72E-04	2.37E-05	9.24E-04	1.10E-04	9.51E-05	8.04E-06
2154	438301.7	3725274	8.71E-04	1.89E-04	1.72E-04	2.38E-05	9.26E-04	1.10E-04	9.53E-05	8.06E-06
2155	438302	3725011	6.38E-04	1.39E-04	1.26E-04	1.74E-05	6.78E-04	8.08E-05	6.98E-05	5.90E-06
2156	438302.9	3725020	6.54E-04	1.42E-04	1.29E-04	1.78E-05	6.94E-04	8.27E-05	7.15E-05	6.04E-06
2157	438303.9	3725029	6.68E-04	1.45E-04	1.32E-04	1.82E-05	7.10E-04	8.46E-05	7.31E-05	6.18E-06
2158	438304.9	3725038	6.82E-04	1.48E-04	1.35E-04	1.86E-05	7.25E-04	8.64E-05	7.47E-05	6.31E-06
2159	438310.6	3725093	7.48E-04	1.62E-04	1.48E-04	2.04E-05	7.94E-04	9.47E-05	8.18E-05	6.91E-06
2160	438311.6	3725102	7.55E-04	1.64E-04	1.49E-04	2.06E-05	8.02E-04	9.56E-05	8.26E-05	6.98E-06
2161	438312.5	3725111	7.61E-04	1.65E-04	1.50E-04	2.08E-05	8.09E-04	9.64E-05	8.33E-05	7.04E-06
2162	438313.5	3725120	7.67E-04	1.67E-04	1.51E-04	2.09E-05	8.15E-04	9.71E-05	8.39E-05	7.09E-06
2163	438314.4	3725129	7.71E-04	1.68E-04	1.52E-04	2.10E-05	8.19E-04	9.77E-05	8.44E-05	7.13E-06
2164	438315.4	3725139	7.75E-04	1.68E-04	1.53E-04	2.12E-05	8.24E-04	9.82E-05	8.48E-05	7.17E-06
2165	438326.9	3725248	7.80E-04	1.69E-04	1.54E-04	2.13E-05	8.29E-04	9.88E-05	8.53E-05	7.21E-06
2166	438347.9	3725093	6.66E-04	1.45E-04	1.32E-04	1.82E-05	7.08E-04	8.44E-05	7.29E-05	6.16E-06
2167	438348.9	3725102	6.71E-04	1.46E-04	1.33E-04	1.83E-05	7.13E-04	8.50E-05	7.34E-05	6.21E-06
2168	438349.9	3725111	6.75E-04	1.47E-04	1.33E-04	1.84E-05	7.17E-04	8.55E-05	7.39E-05	6.25E-06
2169	438350.8	3725121	6.79E-04	1.48E-04	1.34E-04	1.85E-05	7.22E-04	8.60E-05	7.43E-05	6.28E-06
2170	438351.8	3725130	6.83E-04	1.48E-04	1.35E-04	1.86E-05	7.25E-04	8.64E-05	7.47E-05	6.31E-06
2171	438352.7	3725139	6.86E-04	1.49E-04	1.35E-04	1.87E-05	7.28E-04	8.68E-05	7.50E-05	6.34E-06
2172	438371.1	3725313	6.82E-04	1.48E-04	1.35E-04	1.86E-05	7.24E-04	8.63E-05	7.46E-05	6.30E-06
2173	438372	3725322	6.85E-04	1.49E-04	1.35E-04	1.87E-05	7.27E-04	8.67E-05	7.49E-05	6.33E-06
2174	438373	3725331	6.87E-04	1.49E-04	1.36E-04	1.87E-05	7.30E-04	8.70E-05	7.51E-05	6.35E-06
2175	438374	3725340	6.88E-04	1.50E-04	1.36E-04	1.88E-05	7.31E-04	8.72E-05	7.53E-05	6.37E-06
2176	438375.9	3725358	6.90E-04	1.50E-04	1.36E-04	1.88E-05	7.33E-04	8.74E-05	7.55E-05	6.39E-06
2177	438383.3	3725075	5.85E-04	1.27E-04	1.16E-04	1.60E-05	6.22E-04	7.41E-05	6.40E-05	5.41E-06
2178	438384.3	3725084	5.91E-04	1.28E-04	1.17E-04	1.61E-05	6.27E-04	7.48E-05	6.46E-05	5.46E-06
2179	438385.3	3725093	5.95E-04	1.29E-04	1.18E-04	1.62E-05	6.32E-04	7.54E-05	6.51E-05	5.51E-06
2180	438386.2	3725102	5.99E-04	1.30E-04	1.18E-04	1.64E-05	6.37E-04	7.59E-05	6.56E-05	5.54E-06

2181	438387.2	3725112	6.03E-04	1.31E-04	1.19E-04	1.65E-05	6.41E-04	7.64E-05	6.60E-05	5.58E-06
2182	438388.2	3725121	6.07E-04	1.32E-04	1.20E-04	1.66E-05	6.44E-04	7.68E-05	6.64E-05	5.61E-06
2183	438389.1	3725130	6.10E-04	1.32E-04	1.20E-04	1.66E-05	6.48E-04	7.72E-05	6.67E-05	5.64E-06
2184	438394.9	3725185	6.15E-04	1.34E-04	1.21E-04	1.68E-05	6.53E-04	7.78E-05	6.72E-05	5.68E-06
2185	438395.9	3725194	6.14E-04	1.33E-04	1.21E-04	1.68E-05	6.52E-04	7.77E-05	6.72E-05	5.68E-06
2186	438396.9	3725204	6.13E-04	1.33E-04	1.21E-04	1.67E-05	6.51E-04	7.76E-05	6.71E-05	5.67E-06
2187	438397.8	3725213	6.11E-04	1.33E-04	1.21E-04	1.67E-05	6.49E-04	7.73E-05	6.68E-05	5.65E-06
2188	438409.5	3725323	6.08E-04	1.32E-04	1.20E-04	1.66E-05	6.46E-04	7.70E-05	6.65E-05	5.62E-06
2189	438410.4	3725332	6.10E-04	1.32E-04	1.20E-04	1.66E-05	6.47E-04	7.72E-05	6.67E-05	5.64E-06
2190	438415.3	3725378	6.05E-04	1.31E-04	1.20E-04	1.65E-05	6.43E-04	7.66E-05	6.62E-05	5.60E-06
2191	438416.2	3725387	6.03E-04	1.31E-04	1.19E-04	1.65E-05	6.41E-04	7.64E-05	6.60E-05	5.58E-06
2192	438417.2	3725396	6.00E-04	1.30E-04	1.19E-04	1.64E-05	6.38E-04	7.60E-05	6.57E-05	5.55E-06
2193	438418.2	3725406	5.97E-04	1.30E-04	1.18E-04	1.63E-05	6.34E-04	7.56E-05	6.53E-05	5.52E-06
2194	438420.4	3725073	5.28E-04	1.15E-04	1.04E-04	1.44E-05	5.61E-04	6.69E-05	5.78E-05	4.88E-06
2195	438421.4	3725082	5.32E-04	1.16E-04	1.05E-04	1.45E-05	5.65E-04	6.73E-05	5.82E-05	4.92E-06
2196	438422.3	3725091	5.35E-04	1.16E-04	1.06E-04	1.46E-05	5.69E-04	6.78E-05	5.86E-05	4.95E-06
2197	438423.3	3725100	5.39E-04	1.17E-04	1.06E-04	1.47E-05	5.72E-04	6.82E-05	5.89E-05	4.98E-06
2198	438424.2	3725109	5.42E-04	1.18E-04	1.07E-04	1.48E-05	5.75E-04	6.86E-05	5.93E-05	5.01E-06
2199	438425.2	3725118	5.44E-04	1.18E-04	1.08E-04	1.49E-05	5.78E-04	6.89E-05	5.95E-05	5.03E-06
2200	438430	3725163	5.51E-04	1.20E-04	1.09E-04	1.50E-05	5.85E-04	6.97E-05	6.03E-05	5.09E-06
2201	438430.9	3725172	5.51E-04	1.20E-04	1.09E-04	1.50E-05	5.86E-04	6.98E-05	6.03E-05	5.10E-06
2202	438431.9	3725182	5.51E-04	1.20E-04	1.09E-04	1.50E-05	5.86E-04	6.98E-05	6.03E-05	5.10E-06
2203	438432.8	3725191	5.51E-04	1.20E-04	1.09E-04	1.50E-05	5.85E-04	6.97E-05	6.02E-05	5.09E-06
2204	438433.8	3725200	5.50E-04	1.19E-04	1.09E-04	1.50E-05	5.84E-04	6.96E-05	6.02E-05	5.09E-06
2205	438434.7	3725209	5.49E-04	1.19E-04	1.08E-04	1.50E-05	5.83E-04	6.95E-05	6.00E-05	5.08E-06
2206	438435.7	3725218	5.48E-04	1.19E-04	1.08E-04	1.49E-05	5.82E-04	6.93E-05	5.99E-05	5.07E-06
2207	438436.6	3725227	5.46E-04	1.19E-04	1.08E-04	1.49E-05	5.80E-04	6.92E-05	5.98E-05	5.05E-06
2208	438453.9	3725390	5.38E-04	1.17E-04	1.06E-04	1.47E-05	5.71E-04	6.81E-05	5.89E-05	4.98E-06
2209	438454.8	3725399	5.36E-04	1.16E-04	1.06E-04	1.46E-05	5.69E-04	6.78E-05	5.86E-05	4.95E-06
2210	438455.8	3725408	5.33E-04	1.16E-04	1.05E-04	1.45E-05	5.66E-04	6.75E-05	5.83E-05	4.93E-06
2211	438456.7	3725417	5.31E-04	1.15E-04	1.05E-04	1.45E-05	5.64E-04	6.72E-05	5.81E-05	4.91E-06
2212	438457.7	3725426	5.28E-04	1.15E-04	1.04E-04	1.44E-05	5.60E-04	6.68E-05	5.77E-05	4.88E-06
2213	438458.6	3725435	5.24E-04	1.14E-04	1.04E-04	1.43E-05	5.57E-04	6.64E-05	5.74E-05	4.85E-06
2214	438455.8	3725055	4.72E-04	1.02E-04	9.31E-05	1.29E-05	5.01E-04	5.97E-05	5.16E-05	4.36E-06
2215	438456.8	3725064	4.75E-04	1.03E-04	9.38E-05	1.30E-05	5.05E-04	6.01E-05	5.20E-05	4.39E-06
2216	438457.7	3725073	4.78E-04	1.04E-04	9.44E-05	1.30E-05	5.08E-04	6.05E-05	5.23E-05	4.42E-06
2217	438458.7	3725082	4.81E-04	1.05E-04	9.50E-05	1.31E-05	5.11E-04	6.09E-05	5.26E-05	4.45E-06
2218	438459.6	3725091	4.84E-04	1.05E-04	9.56E-05	1.32E-05	5.14E-04	6.13E-05	5.29E-05	4.47E-06
2219	438460.6	3725100	4.86E-04	1.06E-04	9.60E-05	1.33E-05	5.16E-04	6.16E-05	5.32E-05	4.50E-06
2220	438461.6	3725109	4.88E-04	1.06E-04	9.65E-05	1.33E-05	5.19E-04	6.18E-05	5.34E-05	4.52E-06
2221	438467.3	3725164	4.97E-04	1.08E-04	9.82E-05	1.36E-05	5.28E-04	6.29E-05	5.44E-05	4.60E-06
2222	438468.3	3725173	4.97E-04	1.08E-04	9.82E-05	1.36E-05	5.28E-04	6.30E-05	5.44E-05	4.60E-06
2223	438469.2	3725182	4.98E-04	1.08E-04	9.83E-05	1.36E-05	5.28E-04	6.30E-05	5.44E-05	4.60E-06
2224	438470.2	3725191	4.98E-04	1.08E-04	9.83E-05	1.36E-05	5.28E-04	6.30E-05	5.44E-05	4.60E-06
2225	438471.2	3725200	4.97E-04	1.08E-04	9.83E-05	1.36E-05	5.28E-04	6.30E-05	5.44E-05	4.60E-06
2226	438472.1	3725209	4.97E-04	1.08E-04	9.81E-05	1.35E-05	5.27E-04	6.29E-05	5.43E-05	4.59E-06
2227	438476.9	3725255	4.83E-04	1.05E-04	9.53E-05	1.32E-05	5.13E-04	6.11E-05	5.28E-05	4.46E-06
2228	438477.9	3725264	4.79E-04	1.04E-04	9.47E-05	1.31E-05	5.09E-04	6.07E-05	5.24E-05	4.43E-06
2229	438478.8	3725273	4.78E-04	1.04E-04	9.45E-05	1.31E-05	5.08E-04	6.06E-05	5.23E-05	4.43E-06
2230	438479.8	3725282	4.78E-04	1.04E-04	9.44E-05	1.30E-05	5.08E-04	6.05E-05	5.23E-05	4.42E-06
2231	438480.8	3725291	4.78E-04	1.04E-04	9.43E-05	1.30E-05	5.07E-04	6.05E-05	5.22E-05	4.42E-06
2232	438493.2	3725410	4.78E-04	1.04E-04	9.45E-05	1.31E-05	5.08E-04	6.06E-05	5.23E-05	4.43E-06
2233	438494.2	3725419	4.76E-04	1.03E-04	9.40E-05	1.30E-05	5.06E-04	6.03E-05	5.21E-05	4.40E-06
2234	438495.2	3725428	4.74E-04	1.03E-04	9.36E-05	1.29E-05	5.04E-04	6.00E-05	5.19E-05	4.38E-06
2235	438492.1	3725046	4.24E-04	9.20E-05	8.37E-05	1.16E-05	4.50E-04	5.36E-05	4.63E-05	3.92E-06
2236	438493.1	3725055	4.26E-04	9.26E-05	8.42E-05	1.16E-05	4.53E-04	5.40E-05	4.66E-05	3.94E-06

2237	438494.1	3725064	4.29E-04	9.33E-05	8.48E-05	1.17E-05	4.56E-04	5.43E-05	4.70E-05	3.97E-06
2238	438495	3725073	4.32E-04	9.39E-05	8.53E-05	1.18E-05	4.59E-04	5.47E-05	4.73E-05	4.00E-06
2239	438496	3725082	4.35E-04	9.44E-05	8.58E-05	1.19E-05	4.62E-04	5.50E-05	4.75E-05	4.02E-06
2240	438497	3725091	4.37E-04	9.49E-05	8.63E-05	1.19E-05	4.64E-04	5.53E-05	4.78E-05	4.04E-06
2241	438497.9	3725100	4.39E-04	9.54E-05	8.67E-05	1.20E-05	4.66E-04	5.56E-05	4.80E-05	4.06E-06
2242	438502.8	3725146	4.50E-04	9.77E-05	8.88E-05	1.23E-05	4.78E-04	5.69E-05	4.92E-05	4.16E-06
2243	438503.7	3725155	4.50E-04	9.78E-05	8.89E-05	1.23E-05	4.78E-04	5.70E-05	4.93E-05	4.16E-06
2244	438504.7	3725164	4.51E-04	9.79E-05	8.90E-05	1.23E-05	4.79E-04	5.71E-05	4.93E-05	4.17E-06
2245	438505.6	3725174	4.51E-04	9.80E-05	8.91E-05	1.23E-05	4.79E-04	5.71E-05	4.93E-05	4.17E-06
2246	438506.6	3725183	4.52E-04	9.82E-05	8.93E-05	1.23E-05	4.80E-04	5.72E-05	4.94E-05	4.18E-06
2247	438507.6	3725192	4.53E-04	9.85E-05	8.95E-05	1.24E-05	4.81E-04	5.74E-05	4.96E-05	4.19E-06
2248	438508.5	3725201	4.54E-04	9.87E-05	8.97E-05	1.24E-05	4.83E-04	5.75E-05	4.97E-05	4.20E-06
2249	438514.3	3725256	4.39E-04	9.55E-05	8.68E-05	1.20E-05	4.67E-04	5.56E-05	4.81E-05	4.06E-06
2250	438515.3	3725265	4.37E-04	9.50E-05	8.63E-05	1.19E-05	4.64E-04	5.54E-05	4.78E-05	4.04E-06
2251	438516.3	3725274	4.36E-04	9.47E-05	8.61E-05	1.19E-05	4.63E-04	5.52E-05	4.77E-05	4.03E-06
2252	438517.2	3725283	4.34E-04	9.43E-05	8.58E-05	1.18E-05	4.61E-04	5.50E-05	4.75E-05	4.02E-06
2253	438518.2	3725292	4.33E-04	9.40E-05	8.54E-05	1.18E-05	4.60E-04	5.48E-05	4.73E-05	4.00E-06
2254	438519.1	3725302	4.32E-04	9.38E-05	8.53E-05	1.18E-05	4.59E-04	5.47E-05	4.72E-05	3.99E-06
2255	438527.5	3725027	3.81E-04	8.28E-05	7.53E-05	1.04E-05	4.05E-04	4.83E-05	4.17E-05	3.53E-06
2256	438528.5	3725037	3.84E-04	8.34E-05	7.58E-05	1.05E-05	4.08E-04	4.86E-05	4.20E-05	3.55E-06
2257	438529.5	3725046	3.86E-04	8.39E-05	7.62E-05	1.05E-05	4.10E-04	4.89E-05	4.22E-05	3.57E-06
2258	438530.4	3725055	3.88E-04	8.43E-05	7.67E-05	1.06E-05	4.12E-04	4.92E-05	4.25E-05	3.59E-06
2259	438531.4	3725064	3.90E-04	8.48E-05	7.71E-05	1.06E-05	4.15E-04	4.94E-05	4.27E-05	3.61E-06
2260	438532.4	3725073	3.92E-04	8.52E-05	7.75E-05	1.07E-05	4.17E-04	4.97E-05	4.29E-05	3.63E-06
2261	438533.3	3725082	3.94E-04	8.57E-05	7.79E-05	1.08E-05	4.19E-04	4.99E-05	4.31E-05	3.65E-06
2262	438534.3	3725092	3.96E-04	8.61E-05	7.83E-05	1.08E-05	4.21E-04	5.02E-05	4.34E-05	3.67E-06
2263	438539.2	3725137	4.08E-04	8.85E-05	8.05E-05	1.11E-05	4.33E-04	5.16E-05	4.46E-05	3.77E-06
2264	438540.1	3725147	4.09E-04	8.90E-05	8.09E-05	1.12E-05	4.35E-04	5.18E-05	4.48E-05	3.79E-06
2265	438541.1	3725156	4.11E-04	8.92E-05	8.11E-05	1.12E-05	4.36E-04	5.20E-05	4.49E-05	3.80E-06
2266	438542.1	3725165	4.12E-04	8.95E-05	8.14E-05	1.12E-05	4.38E-04	5.22E-05	4.51E-05	3.81E-06
2267	438543	3725174	4.13E-04	8.98E-05	8.16E-05	1.13E-05	4.39E-04	5.23E-05	4.52E-05	3.82E-06
2268	438544	3725183	4.14E-04	8.99E-05	8.17E-05	1.13E-05	4.39E-04	5.24E-05	4.52E-05	3.83E-06
2269	438545	3725193	4.14E-04	8.99E-05	8.17E-05	1.13E-05	4.39E-04	5.24E-05	4.52E-05	3.83E-06
2270	438549.8	3725238	4.09E-04	8.88E-05	8.08E-05	1.12E-05	4.34E-04	5.18E-05	4.47E-05	3.78E-06
2271	438550.8	3725248	4.06E-04	8.83E-05	8.03E-05	1.11E-05	4.32E-04	5.15E-05	4.45E-05	3.76E-06
2272	438551.7	3725257	4.04E-04	8.77E-05	7.98E-05	1.10E-05	4.29E-04	5.11E-05	4.42E-05	3.74E-06
2273	438552.7	3725266	4.01E-04	8.72E-05	7.93E-05	1.09E-05	4.26E-04	5.08E-05	4.39E-05	3.71E-06
2274	438553.7	3725275	3.98E-04	8.65E-05	7.86E-05	1.09E-05	4.23E-04	5.04E-05	4.35E-05	3.68E-06
2275	438554.6	3725284	3.95E-04	8.58E-05	7.80E-05	1.08E-05	4.19E-04	5.00E-05	4.32E-05	3.65E-06
2276	438555.6	3725294	3.92E-04	8.51E-05	7.73E-05	1.07E-05	4.16E-04	4.96E-05	4.28E-05	3.62E-06
2277	438561.4	3725349	3.91E-04	8.50E-05	7.73E-05	1.07E-05	4.16E-04	4.96E-05	4.28E-05	3.62E-06
2278	438564.9	3725028	3.48E-04	7.57E-05	6.88E-05	9.50E-06	3.70E-04	4.41E-05	3.81E-05	3.22E-06
2279	438565.8	3725037	3.50E-04	7.61E-05	6.92E-05	9.56E-06	3.72E-04	4.44E-05	3.83E-05	3.24E-06
2280	438566.8	3725046	3.52E-04	7.65E-05	6.95E-05	9.61E-06	3.74E-04	4.46E-05	3.85E-05	3.26E-06
2281	438567.8	3725055	3.54E-04	7.69E-05	6.99E-05	9.65E-06	3.76E-04	4.48E-05	3.87E-05	3.27E-06
2282	438568.7	3725064	3.56E-04	7.73E-05	7.03E-05	9.71E-06	3.78E-04	4.51E-05	3.89E-05	3.29E-06
2283	438569.7	3725074	3.58E-04	7.78E-05	7.07E-05	9.77E-06	3.80E-04	4.53E-05	3.92E-05	3.31E-06
2284	438575.5	3725129	3.71E-04	8.06E-05	7.32E-05	1.01E-05	3.94E-04	4.69E-05	4.06E-05	3.43E-06
2285	438576.5	3725138	3.73E-04	8.11E-05	7.37E-05	1.02E-05	3.96E-04	4.72E-05	4.08E-05	3.45E-06
2286	438577.5	3725147	3.75E-04	8.16E-05	7.41E-05	1.02E-05	3.99E-04	4.75E-05	4.11E-05	3.47E-06
2287	438578.5	3725156	3.77E-04	8.19E-05	7.45E-05	1.03E-05	4.00E-04	4.77E-05	4.12E-05	3.49E-06
2288	438579.4	3725166	3.79E-04	8.23E-05	7.48E-05	1.03E-05	4.02E-04	4.79E-05	4.14E-05	3.50E-06
2289	438580.4	3725175	3.80E-04	8.26E-05	7.51E-05	1.04E-05	4.04E-04	4.81E-05	4.16E-05	3.52E-06
2290	438581.4	3725184	3.80E-04	8.26E-05	7.51E-05	1.04E-05	4.04E-04	4.81E-05	4.16E-05	3.52E-06
2291	438586.2	3725230	3.76E-04	8.17E-05	7.42E-05	1.03E-05	3.99E-04	4.76E-05	4.11E-05	3.48E-06
2292	438587.2	3725239	3.74E-04	8.13E-05	7.39E-05	1.02E-05	3.97E-04	4.74E-05	4.09E-05	3.46E-06

2293	438588.2	3725249	3.72E-04	8.08E-05	7.35E-05	1.02E-05	3.95E-04	4.71E-05	4.07E-05	3.44E-06
2294	438589.1	3725258	3.70E-04	8.04E-05	7.31E-05	1.01E-05	3.93E-04	4.68E-05	4.05E-05	3.42E-06
2295	438590.1	3725267	3.68E-04	7.99E-05	7.26E-05	1.00E-05	3.91E-04	4.66E-05	4.02E-05	3.40E-06
2296	438591.1	3725276	3.65E-04	7.93E-05	7.20E-05	9.95E-06	3.87E-04	4.62E-05	3.99E-05	3.37E-06
2297	438592.1	3725285	3.62E-04	7.86E-05	7.15E-05	9.88E-06	3.85E-04	4.58E-05	3.96E-05	3.35E-06
2298	438596.9	3725331	3.55E-04	7.70E-05	7.00E-05	9.67E-06	3.77E-04	4.49E-05	3.88E-05	3.28E-06
2299	438597.9	3725341	3.55E-04	7.70E-05	7.00E-05	9.67E-06	3.77E-04	4.49E-05	3.88E-05	3.28E-06
2300	438598.8	3725350	3.54E-04	7.70E-05	7.00E-05	9.67E-06	3.76E-04	4.49E-05	3.88E-05	3.28E-06
2301	438599.8	3725359	3.55E-04	7.70E-05	7.00E-05	9.67E-06	3.77E-04	4.49E-05	3.88E-05	3.28E-06
2302	438604.7	3725405	3.59E-04	7.79E-05	7.08E-05	9.79E-06	3.81E-04	4.54E-05	3.92E-05	3.32E-06
2303	438605.6	3725414	3.59E-04	7.81E-05	7.10E-05	9.80E-06	3.82E-04	4.55E-05	3.93E-05	3.32E-06
2304	438606.6	3725424	3.59E-04	7.79E-05	7.08E-05	9.79E-06	3.81E-04	4.54E-05	3.92E-05	3.32E-06
2305	438607.6	3725433	3.58E-04	7.77E-05	7.07E-05	9.76E-06	3.80E-04	4.53E-05	3.91E-05	3.31E-06
2306	438608.6	3725442	3.57E-04	7.75E-05	7.05E-05	9.74E-06	3.79E-04	4.52E-05	3.90E-05	3.30E-06
2307	438604.8	3725053	3.22E-04	7.00E-05	6.36E-05	8.79E-06	3.42E-04	4.08E-05	3.52E-05	2.98E-06
2308	438605.8	3725062	3.24E-04	7.04E-05	6.40E-05	8.84E-06	3.44E-04	4.10E-05	3.55E-05	3.00E-06
2309	438606.7	3725071	3.27E-04	7.10E-05	6.45E-05	8.92E-06	3.47E-04	4.14E-05	3.57E-05	3.02E-06
2310	438611.5	3725116	3.38E-04	7.33E-05	6.67E-05	9.21E-06	3.59E-04	4.27E-05	3.69E-05	3.12E-06
2311	438612.5	3725126	3.39E-04	7.37E-05	6.70E-05	9.26E-06	3.60E-04	4.30E-05	3.71E-05	3.14E-06
2312	438613.5	3725135	3.41E-04	7.41E-05	6.73E-05	9.30E-06	3.62E-04	4.32E-05	3.73E-05	3.15E-06
2313	438614.4	3725144	3.43E-04	7.44E-05	6.77E-05	9.35E-06	3.64E-04	4.34E-05	3.75E-05	3.17E-06
2314	438615.4	3725153	3.44E-04	7.48E-05	6.80E-05	9.39E-06	3.66E-04	4.36E-05	3.77E-05	3.18E-06
2315	438616.4	3725162	3.46E-04	7.52E-05	6.83E-05	9.44E-06	3.68E-04	4.38E-05	3.78E-05	3.20E-06
2316	438623.1	3725226	3.47E-04	7.55E-05	6.86E-05	9.48E-06	3.69E-04	4.40E-05	3.80E-05	3.21E-06
2317	438624	3725235	3.46E-04	7.52E-05	6.83E-05	9.44E-06	3.68E-04	4.38E-05	3.79E-05	3.20E-06
2318	438625	3725244	3.44E-04	7.48E-05	6.80E-05	9.40E-06	3.66E-04	4.36E-05	3.77E-05	3.19E-06
2319	438626	3725253	3.43E-04	7.44E-05	6.77E-05	9.35E-06	3.64E-04	4.34E-05	3.75E-05	3.17E-06
2320	438626.9	3725262	3.41E-04	7.41E-05	6.73E-05	9.30E-06	3.62E-04	4.32E-05	3.73E-05	3.15E-06
2321	438627.9	3725271	3.39E-04	7.36E-05	6.69E-05	9.24E-06	3.60E-04	4.29E-05	3.70E-05	3.13E-06
2322	438633.6	3725326	3.25E-04	7.06E-05	6.42E-05	8.87E-06	3.45E-04	4.11E-05	3.55E-05	3.01E-06
2323	438634.6	3725335	3.24E-04	7.05E-05	6.41E-05	8.85E-06	3.45E-04	4.11E-05	3.55E-05	3.00E-06
2324	438635.6	3725344	3.24E-04	7.04E-05	6.40E-05	8.84E-06	3.44E-04	4.10E-05	3.54E-05	3.00E-06
2325	438636.5	3725353	3.23E-04	7.02E-05	6.38E-05	8.82E-06	3.43E-04	4.09E-05	3.54E-05	2.99E-06
2326	438641.3	3725399	3.26E-04	7.09E-05	6.45E-05	8.90E-06	3.47E-04	4.13E-05	3.57E-05	3.02E-06
2327	438642.3	3725408	3.28E-04	7.12E-05	6.47E-05	8.94E-06	3.48E-04	4.15E-05	3.58E-05	3.03E-06
2328	438643.3	3725417	3.29E-04	7.15E-05	6.50E-05	8.97E-06	3.49E-04	4.16E-05	3.60E-05	3.04E-06
2329	438644.2	3725426	3.29E-04	7.15E-05	6.50E-05	8.98E-06	3.50E-04	4.17E-05	3.60E-05	3.04E-06
2330	438645.2	3725435	3.29E-04	7.15E-05	6.50E-05	8.98E-06	3.50E-04	4.17E-05	3.60E-05	3.05E-06
2331	438646.1	3725445	3.30E-04	7.16E-05	6.51E-05	8.99E-06	3.50E-04	4.17E-05	3.61E-05	3.05E-06
2332	438646	3725089	3.06E-04	6.65E-05	6.05E-05	8.36E-06	3.25E-04	3.88E-05	3.35E-05	2.83E-06
2333	438647	3725099	3.08E-04	6.69E-05	6.08E-05	8.40E-06	3.27E-04	3.90E-05	3.37E-05	2.85E-06
2334	438647.9	3725108	3.10E-04	6.73E-05	6.12E-05	8.45E-06	3.29E-04	3.92E-05	3.39E-05	2.86E-06
2335	438648.9	3725117	3.11E-04	6.76E-05	6.15E-05	8.49E-06	3.31E-04	3.94E-05	3.41E-05	2.88E-06
2336	438649.9	3725126	3.12E-04	6.79E-05	6.17E-05	8.52E-06	3.32E-04	3.96E-05	3.42E-05	2.89E-06
2337	438650.8	3725135	3.13E-04	6.81E-05	6.19E-05	8.55E-06	3.33E-04	3.97E-05	3.43E-05	2.90E-06
2338	438651.8	3725144	3.14E-04	6.83E-05	6.21E-05	8.58E-06	3.34E-04	3.98E-05	3.44E-05	2.91E-06
2339	438652.8	3725153	3.15E-04	6.85E-05	6.23E-05	8.61E-06	3.35E-04	3.99E-05	3.45E-05	2.92E-06
2340	438653.7	3725163	3.16E-04	6.87E-05	6.25E-05	8.63E-06	3.36E-04	4.01E-05	3.46E-05	2.93E-06
2341	438658.5	3725208	3.23E-04	7.01E-05	6.37E-05	8.80E-06	3.43E-04	4.08E-05	3.53E-05	2.98E-06
2342	438659.5	3725217	3.22E-04	6.99E-05	6.36E-05	8.78E-06	3.42E-04	4.07E-05	3.52E-05	2.98E-06
2343	438660.5	3725227	3.21E-04	6.97E-05	6.34E-05	8.76E-06	3.41E-04	4.07E-05	3.51E-05	2.97E-06
2344	438661.4	3725236	3.20E-04	6.96E-05	6.33E-05	8.74E-06	3.40E-04	4.06E-05	3.50E-05	2.96E-06
2345	438662.4	3725245	3.19E-04	6.93E-05	6.30E-05	8.70E-06	3.39E-04	4.04E-05	3.49E-05	2.95E-06
2346	438663.4	3725254	3.17E-04	6.90E-05	6.27E-05	8.66E-06	3.37E-04	4.02E-05	3.47E-05	2.94E-06
2347	438664.3	3725263	3.16E-04	6.86E-05	6.24E-05	8.62E-06	3.36E-04	4.00E-05	3.46E-05	2.92E-06
2348	438670.1	3725318	3.04E-04	6.60E-05	6.00E-05	8.28E-06	3.23E-04	3.84E-05	3.32E-05	2.81E-06

2349	438671.1	3725327	3.02E-04	6.56E-05	5.96E-05	8.24E-06	3.21E-04	3.82E-05	3.30E-05	2.79E-06
2350	438672	3725336	3.01E-04	6.54E-05	5.95E-05	8.21E-06	3.20E-04	3.81E-05	3.29E-05	2.78E-06
2351	438673	3725345	3.00E-04	6.52E-05	5.93E-05	8.19E-06	3.19E-04	3.80E-05	3.28E-05	2.78E-06
2352	438674	3725355	2.99E-04	6.50E-05	5.91E-05	8.16E-06	3.18E-04	3.79E-05	3.27E-05	2.77E-06
2353	438674.9	3725364	2.99E-04	6.51E-05	5.92E-05	8.17E-06	3.18E-04	3.79E-05	3.28E-05	2.77E-06
2354	438679.8	3725410	3.02E-04	6.57E-05	5.97E-05	8.25E-06	3.21E-04	3.83E-05	3.31E-05	2.80E-06
2355	438680.7	3725419	3.03E-04	6.58E-05	5.98E-05	8.27E-06	3.22E-04	3.84E-05	3.31E-05	2.80E-06
2356	438681.7	3725428	3.04E-04	6.60E-05	6.00E-05	8.29E-06	3.23E-04	3.85E-05	3.32E-05	2.81E-06
2357	438682.7	3725437	3.04E-04	6.61E-05	6.01E-05	8.31E-06	3.23E-04	3.86E-05	3.33E-05	2.82E-06
2358	438683.6	3725446	3.05E-04	6.63E-05	6.03E-05	8.33E-06	3.24E-04	3.86E-05	3.34E-05	2.82E-06
2359	438684.6	3725455	3.05E-04	6.62E-05	6.02E-05	8.31E-06	3.24E-04	3.86E-05	3.33E-05	2.82E-06
2360	438688.4	3725492	3.02E-04	6.57E-05	5.97E-05	8.25E-06	3.21E-04	3.83E-05	3.31E-05	2.80E-06
2361	438689.4	3725501	3.01E-04	6.55E-05	5.95E-05	8.23E-06	3.20E-04	3.82E-05	3.30E-05	2.79E-06
2362	438690.4	3725510	3.01E-04	6.53E-05	5.94E-05	8.20E-06	3.19E-04	3.81E-05	3.29E-05	2.78E-06
2363	438687.2	3725127	2.87E-04	6.25E-05	5.68E-05	7.84E-06	3.05E-04	3.64E-05	3.14E-05	2.66E-06
2364	438688.2	3725136	2.88E-04	6.26E-05	5.70E-05	7.87E-06	3.06E-04	3.65E-05	3.15E-05	2.67E-06
2365	438689.2	3725145	2.89E-04	6.28E-05	5.71E-05	7.89E-06	3.07E-04	3.66E-05	3.16E-05	2.67E-06
2366	438690.1	3725154	2.90E-04	6.30E-05	5.73E-05	7.91E-06	3.08E-04	3.67E-05	3.17E-05	2.68E-06
2367	438691.1	3725163	2.91E-04	6.32E-05	5.75E-05	7.94E-06	3.09E-04	3.68E-05	3.18E-05	2.69E-06
2368	438692.1	3725172	2.92E-04	6.34E-05	5.76E-05	7.96E-06	3.10E-04	3.69E-05	3.19E-05	2.70E-06
2369	438693	3725182	2.93E-04	6.36E-05	5.78E-05	7.99E-06	3.11E-04	3.71E-05	3.20E-05	2.71E-06
2370	438694	3725191	2.94E-04	6.39E-05	5.81E-05	8.03E-06	3.12E-04	3.72E-05	3.22E-05	2.72E-06
2371	438695	3725200	2.95E-04	6.42E-05	5.83E-05	8.06E-06	3.14E-04	3.74E-05	3.23E-05	2.73E-06
2372	438695.9	3725209	2.96E-04	6.43E-05	5.85E-05	8.08E-06	3.15E-04	3.75E-05	3.24E-05	2.74E-06
2373	438696.9	3725218	2.96E-04	6.43E-05	5.84E-05	8.07E-06	3.14E-04	3.75E-05	3.24E-05	2.74E-06
2374	438697.9	3725227	2.96E-04	6.42E-05	5.84E-05	8.06E-06	3.14E-04	3.74E-05	3.23E-05	2.73E-06
2375	438698.8	3725237	2.95E-04	6.41E-05	5.83E-05	8.05E-06	3.14E-04	3.74E-05	3.23E-05	2.73E-06
2376	438699.8	3725246	2.95E-04	6.40E-05	5.82E-05	8.04E-06	3.13E-04	3.73E-05	3.22E-05	2.72E-06
2377	438700.8	3725255	2.94E-04	6.39E-05	5.81E-05	8.02E-06	3.12E-04	3.72E-05	3.22E-05	2.72E-06
2378	438705.6	3725301	2.87E-04	6.24E-05	5.67E-05	7.84E-06	3.05E-04	3.64E-05	3.14E-05	2.66E-06
2379	438706.6	3725310	2.85E-04	6.20E-05	5.64E-05	7.79E-06	3.03E-04	3.61E-05	3.12E-05	2.64E-06
2380	438707.5	3725319	2.84E-04	6.17E-05	5.60E-05	7.74E-06	3.01E-04	3.59E-05	3.10E-05	2.62E-06
2381	438708.5	3725328	2.82E-04	6.13E-05	5.58E-05	7.70E-06	3.00E-04	3.57E-05	3.09E-05	2.61E-06
2382	438709.5	3725338	2.81E-04	6.11E-05	5.56E-05	7.68E-06	2.99E-04	3.56E-05	3.08E-05	2.60E-06
2383	438710.4	3725347	2.80E-04	6.09E-05	5.54E-05	7.65E-06	2.98E-04	3.55E-05	3.07E-05	2.59E-06
2384	438711.4	3725356	2.79E-04	6.07E-05	5.52E-05	7.62E-06	2.97E-04	3.54E-05	3.06E-05	2.58E-06
2385	438712.4	3725365	2.80E-04	6.08E-05	5.53E-05	7.63E-06	2.97E-04	3.54E-05	3.06E-05	2.59E-06
2386	438717.2	3725411	2.81E-04	6.11E-05	5.56E-05	7.68E-06	2.99E-04	3.56E-05	3.08E-05	2.60E-06
2387	438718.2	3725420	2.82E-04	6.12E-05	5.57E-05	7.69E-06	2.99E-04	3.57E-05	3.08E-05	2.61E-06
2388	438719.1	3725429	2.82E-04	6.13E-05	5.57E-05	7.70E-06	3.00E-04	3.57E-05	3.09E-05	2.61E-06
2389	438720.1	3725438	2.83E-04	6.14E-05	5.58E-05	7.71E-06	3.00E-04	3.58E-05	3.09E-05	2.61E-06
2390	438721.1	3725448	2.83E-04	6.15E-05	5.59E-05	7.72E-06	3.01E-04	3.58E-05	3.09E-05	2.62E-06
2391	438722.1	3725457	2.83E-04	6.14E-05	5.58E-05	7.71E-06	3.00E-04	3.58E-05	3.09E-05	2.62E-06
2392	438723	3725466	2.83E-04	6.14E-05	5.58E-05	7.71E-06	3.00E-04	3.58E-05	3.09E-05	2.61E-06
2393	438724	3725475	2.83E-04	6.14E-05	5.58E-05	7.71E-06	3.00E-04	3.58E-05	3.09E-05	2.61E-06
2394	438725	3725484	2.82E-04	6.12E-05	5.56E-05	7.69E-06	2.99E-04	3.57E-05	3.08E-05	2.61E-06
2395	438725.9	3725493	2.81E-04	6.10E-05	5.55E-05	7.66E-06	2.98E-04	3.56E-05	3.07E-05	2.60E-06
2396	438726.9	3725503	2.80E-04	6.08E-05	5.53E-05	7.64E-06	2.97E-04	3.55E-05	3.06E-05	2.59E-06
2397	438727.9	3725512	2.79E-04	6.07E-05	5.51E-05	7.62E-06	2.97E-04	3.53E-05	3.05E-05	2.58E-06
2398	437709.7	3725188	2.34E-02	5.09E-03	4.63E-03	6.40E-04	2.49E-02	2.97E-03	2.57E-03	2.17E-04
2399	437702	3725182	2.15E-02	4.67E-03	4.24E-03	5.86E-04	2.28E-02	2.72E-03	2.35E-03	1.99E-04
2400	437715.4	3725179	1.82E-02	3.96E-03	3.60E-03	4.97E-04	1.93E-02	2.31E-03	1.99E-03	1.68E-04
2401	437707.6	3725174	1.67E-02	3.63E-03	3.30E-03	4.56E-04	1.78E-02	2.12E-03	1.83E-03	1.55E-04
2402	437721.1	3725171	1.47E-02	3.19E-03	2.90E-03	4.00E-04	1.56E-02	1.86E-03	1.60E-03	1.36E-04
2403	437713.3	3725166	1.35E-02	2.93E-03	2.66E-03	3.68E-04	1.43E-02	1.71E-03	1.47E-03	1.25E-04
2404	437726.7	3725163	1.22E-02	2.64E-03	2.40E-03	3.32E-04	1.29E-02	1.54E-03	1.33E-03	1.12E-04

2405	437719	3725158	1.11E-02	2.42E-03	2.20E-03	3.04E-04	1.18E-02	1.41E-03	1.22E-03	1.03E-04
2406	437732.4	3725155	1.03E-02	2.24E-03	2.03E-03	2.81E-04	1.09E-02	1.30E-03	1.13E-03	9.52E-05
2407	437724.6	3725149	9.40E-03	2.04E-03	1.86E-03	2.57E-04	9.99E-03	1.19E-03	1.03E-03	8.70E-05
2408	437797.9	3725190	1.20E-02	2.62E-03	2.38E-03	3.29E-04	1.28E-02	1.53E-03	1.32E-03	1.11E-04
2409	437738.1	3725147	8.86E-03	1.93E-03	1.75E-03	2.42E-04	9.41E-03	1.12E-03	9.70E-04	8.20E-05
2410	437730.3	3725141	8.07E-03	1.75E-03	1.59E-03	2.20E-04	8.57E-03	1.02E-03	8.83E-04	7.46E-05
2411	437803.1	3725181	1.04E-02	2.27E-03	2.06E-03	2.85E-04	1.11E-02	1.32E-03	1.14E-03	9.65E-05
2412	437813.2	3725193	1.10E-02	2.40E-03	2.18E-03	3.01E-04	1.17E-02	1.40E-03	1.21E-03	1.02E-04
2413	437790.3	3725170	9.90E-03	2.15E-03	1.96E-03	2.70E-04	1.05E-02	1.25E-03	1.08E-03	9.16E-05
2414	437782.5	3725165	9.64E-03	2.10E-03	1.90E-03	2.63E-04	1.02E-02	1.22E-03	1.06E-03	8.92E-05
2415	437774.7	3725160	9.30E-03	2.02E-03	1.84E-03	2.54E-04	9.88E-03	1.18E-03	1.02E-03	8.60E-05
2416	437767	3725154	8.89E-03	1.93E-03	1.76E-03	2.43E-04	9.45E-03	1.13E-03	9.73E-04	8.22E-05
2417	437759.2	3725149	8.49E-03	1.84E-03	1.68E-03	2.32E-04	9.02E-03	1.07E-03	9.29E-04	7.85E-05
2418	437751.5	3725144	8.06E-03	1.75E-03	1.59E-03	2.20E-04	8.56E-03	1.02E-03	8.81E-04	7.45E-05
2419	437743.7	3725138	7.55E-03	1.64E-03	1.49E-03	2.06E-04	8.02E-03	9.56E-04	8.26E-04	6.98E-05
2420	437736	3725133	6.95E-03	1.51E-03	1.37E-03	1.90E-04	7.38E-03	8.80E-04	7.60E-04	6.43E-05
2421	437809.4	3725174	9.19E-03	2.00E-03	1.81E-03	2.51E-04	9.76E-03	1.16E-03	1.01E-03	8.50E-05
2422	437820.8	3725187	9.78E-03	2.13E-03	1.93E-03	2.67E-04	1.04E-02	1.24E-03	1.07E-03	9.05E-05
2423	437795.9	3725162	8.62E-03	1.87E-03	1.70E-03	2.35E-04	9.16E-03	1.09E-03	9.43E-04	7.97E-05
2424	437788.2	3725157	8.38E-03	1.82E-03	1.65E-03	2.29E-04	8.90E-03	1.06E-03	9.16E-04	7.75E-05
2425	437780.4	3725151	8.06E-03	1.75E-03	1.59E-03	2.20E-04	8.56E-03	1.02E-03	8.82E-04	7.45E-05
2426	437772.7	3725146	7.68E-03	1.67E-03	1.52E-03	2.09E-04	8.15E-03	9.72E-04	8.40E-04	7.10E-05
2427	437764.9	3725141	7.34E-03	1.59E-03	1.45E-03	2.00E-04	7.79E-03	9.29E-04	8.03E-04	6.79E-05
2428	437757.1	3725135	6.95E-03	1.51E-03	1.37E-03	1.90E-04	7.39E-03	8.81E-04	7.61E-04	6.43E-05
2429	437749.4	3725130	6.51E-03	1.41E-03	1.28E-03	1.78E-04	6.91E-03	8.24E-04	7.12E-04	6.02E-05
2430	437741.6	3725125	6.00E-03	1.30E-03	1.19E-03	1.64E-04	6.38E-03	7.60E-04	6.57E-04	5.55E-05
2431	437814.6	3725165	8.14E-03	1.77E-03	1.61E-03	2.22E-04	8.65E-03	1.03E-03	8.91E-04	7.53E-05
2432	437825.2	3725177	8.59E-03	1.87E-03	1.70E-03	2.34E-04	9.12E-03	1.09E-03	9.39E-04	7.94E-05
2433	437801.6	3725154	7.59E-03	1.65E-03	1.50E-03	2.07E-04	8.06E-03	9.61E-04	8.30E-04	7.02E-05
2434	437793.8	3725148	7.34E-03	1.59E-03	1.45E-03	2.00E-04	7.80E-03	9.29E-04	8.03E-04	6.79E-05
2435	437786.1	3725143	7.08E-03	1.54E-03	1.40E-03	1.93E-04	7.52E-03	8.96E-04	7.74E-04	6.55E-05
2436	437778.3	3725138	6.78E-03	1.47E-03	1.34E-03	1.85E-04	7.20E-03	8.59E-04	7.42E-04	6.27E-05
2437	437770.6	3725132	6.44E-03	1.40E-03	1.27E-03	1.76E-04	6.84E-03	8.15E-04	7.04E-04	5.95E-05
2438	437762.8	3725127	6.08E-03	1.32E-03	1.20E-03	1.66E-04	6.46E-03	7.70E-04	6.65E-04	5.63E-05
2439	437755.1	3725122	5.68E-03	1.23E-03	1.12E-03	1.55E-04	6.04E-03	7.20E-04	6.22E-04	5.26E-05
2440	437747.3	3725116	5.24E-03	1.14E-03	1.04E-03	1.43E-04	5.57E-03	6.64E-04	5.74E-04	4.85E-05
2441	437837	3725161	7.05E-03	1.53E-03	1.39E-03	1.92E-04	7.49E-03	8.93E-04	7.71E-04	6.52E-05
2442	437811.7	3725039	2.24E-03	4.87E-04	4.43E-04	6.12E-05	2.38E-03	2.84E-04	2.45E-04	2.07E-05
2443	437803.9	3725034	2.10E-03	4.55E-04	4.14E-04	5.72E-05	2.23E-03	2.65E-04	2.29E-04	1.94E-05
2444	437883.1	3725067	2.77E-03	6.02E-04	5.47E-04	7.56E-05	2.94E-03	3.51E-04	3.03E-04	2.56E-05
2445	437894.7	3725080	3.00E-03	6.51E-04	5.92E-04	8.17E-05	3.18E-03	3.79E-04	3.28E-04	2.77E-05
2446	437906.4	3725093	3.19E-03	6.94E-04	6.31E-04	8.71E-05	3.39E-03	4.04E-04	3.49E-04	2.95E-05
2447	437918	3725106	3.36E-03	7.29E-04	6.63E-04	9.16E-05	3.57E-03	4.25E-04	3.67E-04	3.10E-05
2448	437869.6	3725055	2.56E-03	5.56E-04	5.06E-04	6.99E-05	2.72E-03	3.24E-04	2.80E-04	2.37E-05
2449	437861.8	3725050	2.47E-03	5.36E-04	4.87E-04	6.73E-05	2.62E-03	3.12E-04	2.70E-04	2.28E-05
2450	437854.1	3725044	2.36E-03	5.13E-04	4.67E-04	6.45E-05	2.51E-03	2.99E-04	2.58E-04	2.19E-05
2451	437846.3	3725039	2.25E-03	4.90E-04	4.45E-04	6.15E-05	2.39E-03	2.85E-04	2.47E-04	2.08E-05
2452	437838.5	3725034	2.14E-03	4.65E-04	4.23E-04	5.84E-05	2.27E-03	2.71E-04	2.34E-04	1.98E-05
2453	437830.8	3725028	2.02E-03	4.40E-04	4.00E-04	5.52E-05	2.15E-03	2.56E-04	2.21E-04	1.87E-05
2454	437823	3725023	1.91E-03	4.14E-04	3.77E-04	5.20E-05	2.02E-03	2.41E-04	2.09E-04	1.76E-05
2455	437815.3	3725018	1.79E-03	3.88E-04	3.53E-04	4.88E-05	1.90E-03	2.26E-04	1.96E-04	1.65E-05
2456	437894.5	3725050	2.36E-03	5.13E-04	4.67E-04	6.45E-05	2.51E-03	2.99E-04	2.58E-04	2.19E-05
2457	437906.2	3725063	2.56E-03	5.55E-04	5.05E-04	6.97E-05	2.71E-03	3.24E-04	2.80E-04	2.36E-05
2458	437917.9	3725077	2.73E-03	5.93E-04	5.39E-04	7.45E-05	2.90E-03	3.46E-04	2.99E-04	2.53E-05
2459	437929.6	3725090	2.88E-03	6.25E-04	5.68E-04	7.85E-05	3.06E-03	3.64E-04	3.15E-04	2.66E-05
2460	437941.3	3725103	2.99E-03	6.50E-04	5.91E-04	8.17E-05	3.18E-03	3.79E-04	3.28E-04	2.77E-05

2461	437880.9	3725038	2.19E-03	4.75E-04	4.32E-04	5.96E-05	2.32E-03	2.77E-04	2.39E-04	2.02E-05
2462	437873.1	3725033	2.10E-03	4.57E-04	4.16E-04	5.74E-05	2.24E-03	2.67E-04	2.30E-04	1.95E-05
2463	437865.4	3725028	2.02E-03	4.39E-04	3.99E-04	5.51E-05	2.14E-03	2.56E-04	2.21E-04	1.87E-05
2464	437857.6	3725022	1.93E-03	4.19E-04	3.81E-04	5.26E-05	2.05E-03	2.44E-04	2.11E-04	1.78E-05
2465	437849.9	3725017	1.83E-03	3.98E-04	3.62E-04	5.00E-05	1.95E-03	2.32E-04	2.01E-04	1.70E-05
2466	437842.1	3725012	1.74E-03	3.77E-04	3.43E-04	4.74E-05	1.84E-03	2.20E-04	1.90E-04	1.61E-05
2467	437834.4	3725006	1.64E-03	3.56E-04	3.24E-04	4.47E-05	1.74E-03	2.08E-04	1.79E-04	1.52E-05
2468	437826.6	3725001	1.54E-03	3.35E-04	3.04E-04	4.21E-05	1.64E-03	1.95E-04	1.69E-04	1.43E-05
2469	437905.9	3725034	2.03E-03	4.42E-04	4.02E-04	5.55E-05	2.16E-03	2.58E-04	2.23E-04	1.88E-05
2470	437917.6	3725047	2.20E-03	4.78E-04	4.35E-04	6.00E-05	2.34E-03	2.79E-04	2.41E-04	2.03E-05
2471	437929.4	3725060	2.35E-03	5.11E-04	4.65E-04	6.42E-05	2.50E-03	2.98E-04	2.57E-04	2.18E-05
2472	437941.2	3725073	2.48E-03	5.40E-04	4.91E-04	6.78E-05	2.64E-03	3.15E-04	2.72E-04	2.30E-05
2473	437952.9	3725087	2.59E-03	5.64E-04	5.12E-04	7.08E-05	2.76E-03	3.29E-04	2.84E-04	2.40E-05
2474	437964.7	3725100	2.68E-03	5.82E-04	5.29E-04	7.31E-05	2.85E-03	3.39E-04	2.93E-04	2.48E-05
2475	437892.2	3725022	1.88E-03	4.09E-04	3.72E-04	5.14E-05	2.00E-03	2.38E-04	2.06E-04	1.74E-05
2476	437884.5	3725017	1.81E-03	3.94E-04	3.58E-04	4.95E-05	1.93E-03	2.30E-04	1.98E-04	1.68E-05
2477	437876.7	3725011	1.74E-03	3.78E-04	3.43E-04	4.74E-05	1.85E-03	2.20E-04	1.90E-04	1.61E-05
2478	437869	3725006	1.66E-03	3.61E-04	3.28E-04	4.54E-05	1.77E-03	2.11E-04	1.82E-04	1.54E-05
2479	437861.2	3725001	1.58E-03	3.44E-04	3.13E-04	4.32E-05	1.68E-03	2.01E-04	1.73E-04	1.46E-05
2480	437853.4	3724995	1.50E-03	3.27E-04	2.97E-04	4.10E-05	1.60E-03	1.90E-04	1.64E-04	1.39E-05
2481	437845.7	3724990	1.42E-03	3.09E-04	2.81E-04	3.88E-05	1.51E-03	1.80E-04	1.56E-04	1.31E-05
2482	437837.9	3724985	1.34E-03	2.91E-04	2.65E-04	3.66E-05	1.42E-03	1.70E-04	1.47E-04	1.24E-05
2483	437917.2	3725017	1.76E-03	3.83E-04	3.48E-04	4.81E-05	1.87E-03	2.23E-04	1.93E-04	1.63E-05
2484	437929	3725031	1.91E-03	4.14E-04	3.77E-04	5.20E-05	2.03E-03	2.42E-04	2.09E-04	1.76E-05
2485	437940.9	3725044	2.04E-03	4.43E-04	4.03E-04	5.57E-05	2.17E-03	2.58E-04	2.23E-04	1.89E-05
2486	437952.7	3725057	2.16E-03	4.69E-04	4.27E-04	5.89E-05	2.29E-03	2.73E-04	2.36E-04	2.00E-05
2487	437964.5	3725070	2.26E-03	4.91E-04	4.47E-04	6.17E-05	2.40E-03	2.86E-04	2.47E-04	2.09E-05
2488	437976.4	3725084	2.34E-03	5.09E-04	4.63E-04	6.39E-05	2.49E-03	2.97E-04	2.56E-04	2.17E-05
2489	437988.2	3725097	2.40E-03	5.22E-04	4.75E-04	6.56E-05	2.55E-03	3.04E-04	2.63E-04	2.22E-05
2490	437903.6	3725005	1.63E-03	3.55E-04	3.23E-04	4.46E-05	1.73E-03	2.07E-04	1.79E-04	1.51E-05
2491	437895.8	3725000	1.57E-03	3.42E-04	3.11E-04	4.29E-05	1.67E-03	1.99E-04	1.72E-04	1.46E-05
2492	437888	3724995	1.51E-03	3.28E-04	2.98E-04	4.12E-05	1.61E-03	1.91E-04	1.65E-04	1.40E-05
2493	437880.3	3724989	1.45E-03	3.14E-04	2.86E-04	3.95E-05	1.54E-03	1.83E-04	1.58E-04	1.34E-05
2494	437872.5	3724984	1.38E-03	3.00E-04	2.72E-04	3.76E-05	1.46E-03	1.75E-04	1.51E-04	1.28E-05
2495	437864.8	3724979	1.31E-03	2.85E-04	2.59E-04	3.58E-05	1.39E-03	1.66E-04	1.43E-04	1.21E-05
2496	437857	3724973	1.24E-03	2.70E-04	2.45E-04	3.39E-05	1.32E-03	1.57E-04	1.36E-04	1.15E-05
2497	437849.3	3724968	1.17E-03	2.55E-04	2.32E-04	3.20E-05	1.25E-03	1.49E-04	1.28E-04	1.09E-05
2498	437928.6	3725001	1.54E-03	3.35E-04	3.04E-04	4.20E-05	1.64E-03	1.95E-04	1.69E-04	1.42E-05
2499	437940.5	3725014	1.67E-03	3.62E-04	3.29E-04	4.54E-05	1.77E-03	2.11E-04	1.82E-04	1.54E-05
2500	437946.4	3725021	1.73E-03	3.75E-04	3.41E-04	4.71E-05	1.83E-03	2.18E-04	1.89E-04	1.60E-05
2501	437970.2	3725048	1.94E-03	4.21E-04	3.83E-04	5.29E-05	2.06E-03	2.45E-04	2.12E-04	1.79E-05
2502	437982	3725061	2.02E-03	4.39E-04	3.99E-04	5.52E-05	2.15E-03	2.56E-04	2.21E-04	1.87E-05
2503	437993.9	3725074	2.09E-03	4.54E-04	4.13E-04	5.70E-05	2.22E-03	2.65E-04	2.29E-04	1.93E-05
2504	437914.9	3724989	1.43E-03	3.10E-04	2.82E-04	3.89E-05	1.52E-03	1.81E-04	1.56E-04	1.32E-05
2505	437907.1	3724984	1.38E-03	2.99E-04	2.72E-04	3.75E-05	1.46E-03	1.74E-04	1.51E-04	1.27E-05
2506	437899.4	3724978	1.32E-03	2.87E-04	2.61E-04	3.61E-05	1.40E-03	1.67E-04	1.45E-04	1.22E-05
2507	437891.6	3724973	1.27E-03	2.75E-04	2.50E-04	3.46E-05	1.35E-03	1.60E-04	1.39E-04	1.17E-05
2508	437883.9	3724968	1.21E-03	2.63E-04	2.39E-04	3.30E-05	1.29E-03	1.53E-04	1.32E-04	1.12E-05
2509	437876.1	3724962	1.15E-03	2.50E-04	2.28E-04	3.14E-05	1.22E-03	1.46E-04	1.26E-04	1.07E-05
2510	437868.4	3724957	1.09E-03	2.38E-04	2.16E-04	2.99E-05	1.16E-03	1.39E-04	1.20E-04	1.01E-05
2511	437860.6	3724952	1.04E-03	2.25E-04	2.05E-04	2.83E-05	1.10E-03	1.31E-04	1.13E-04	9.58E-06
2512	437945.8	3724976	1.28E-03	2.77E-04	2.52E-04	3.48E-05	1.36E-03	1.62E-04	1.40E-04	1.18E-05
2513	437951.9	3724983	1.33E-03	2.89E-04	2.62E-04	3.63E-05	1.41E-03	1.68E-04	1.45E-04	1.23E-05
2514	437976.5	3725011	1.53E-03	3.32E-04	3.02E-04	4.17E-05	1.62E-03	1.93E-04	1.67E-04	1.41E-05
2515	437982.7	3725018	1.57E-03	3.42E-04	3.10E-04	4.29E-05	1.67E-03	1.99E-04	1.72E-04	1.45E-05
2516	437988.8	3725025	1.61E-03	3.51E-04	3.19E-04	4.40E-05	1.71E-03	2.04E-04	1.77E-04	1.49E-05

2517	437995	3725032	1.65E-03	3.59E-04	3.27E-04	4.51E-05	1.76E-03	2.09E-04	1.81E-04	1.53E-05
2518	438001.1	3725039	1.69E-03	3.67E-04	3.34E-04	4.61E-05	1.80E-03	2.14E-04	1.85E-04	1.56E-05
2519	438007.3	3725045	1.72E-03	3.75E-04	3.40E-04	4.70E-05	1.83E-03	2.18E-04	1.89E-04	1.59E-05
2520	438013.4	3725052	1.75E-03	3.81E-04	3.47E-04	4.79E-05	1.86E-03	2.22E-04	1.92E-04	1.62E-05
2521	437939.6	3724970	1.22E-03	2.66E-04	2.41E-04	3.34E-05	1.30E-03	1.55E-04	1.34E-04	1.13E-05
2522	437931.9	3724964	1.18E-03	2.57E-04	2.33E-04	3.23E-05	1.26E-03	1.50E-04	1.29E-04	1.09E-05
2523	437924.1	3724959	1.14E-03	2.48E-04	2.25E-04	3.11E-05	1.21E-03	1.44E-04	1.25E-04	1.05E-05
2524	437916.4	3724954	1.10E-03	2.38E-04	2.17E-04	2.99E-05	1.16E-03	1.39E-04	1.20E-04	1.01E-05
2525	437908.6	3724948	1.05E-03	2.29E-04	2.08E-04	2.87E-05	1.12E-03	1.33E-04	1.15E-04	9.73E-06
2526	437900.9	3724943	1.01E-03	2.19E-04	1.99E-04	2.75E-05	1.07E-03	1.28E-04	1.10E-04	9.31E-06
2527	437893.1	3724938	9.61E-04	2.09E-04	1.90E-04	2.62E-05	1.02E-03	1.22E-04	1.05E-04	8.89E-06
2528	437885.3	3724932	9.15E-04	1.99E-04	1.81E-04	2.50E-05	9.72E-04	1.16E-04	1.00E-04	8.47E-06
2529	437877.6	3724927	8.69E-04	1.89E-04	1.72E-04	2.37E-05	9.23E-04	1.10E-04	9.51E-05	8.04E-06
2530	437974.6	3724965	1.15E-03	2.50E-04	2.28E-04	3.14E-05	1.22E-03	1.46E-04	1.26E-04	1.07E-05
2531	437980.6	3724972	1.19E-03	2.59E-04	2.36E-04	3.26E-05	1.27E-03	1.51E-04	1.31E-04	1.10E-05
2532	437986.6	3724979	1.23E-03	2.68E-04	2.44E-04	3.37E-05	1.31E-03	1.56E-04	1.35E-04	1.14E-05
2533	437992.6	3724985	1.27E-03	2.76E-04	2.51E-04	3.47E-05	1.35E-03	1.61E-04	1.39E-04	1.18E-05
2534	437998.6	3724992	1.31E-03	2.85E-04	2.59E-04	3.57E-05	1.39E-03	1.66E-04	1.43E-04	1.21E-05
2535	438004.6	3724999	1.35E-03	2.92E-04	2.66E-04	3.67E-05	1.43E-03	1.70E-04	1.47E-04	1.24E-05
2536	438010.7	3725005	1.38E-03	3.00E-04	2.73E-04	3.76E-05	1.47E-03	1.75E-04	1.51E-04	1.28E-05
2537	438016.7	3725012	1.41E-03	3.07E-04	2.79E-04	3.85E-05	1.50E-03	1.79E-04	1.54E-04	1.31E-05
2538	438022.7	3725019	1.44E-03	3.13E-04	2.85E-04	3.93E-05	1.53E-03	1.83E-04	1.58E-04	1.33E-05
2539	438034.7	3725032	1.50E-03	3.25E-04	2.95E-04	4.08E-05	1.59E-03	1.89E-04	1.64E-04	1.38E-05
2540	437933.4	3724929	9.22E-04	2.00E-04	1.82E-04	2.52E-05	9.79E-04	1.17E-04	1.01E-04	8.53E-06
2541	437925.6	3724924	8.86E-04	1.92E-04	1.75E-04	2.42E-05	9.41E-04	1.12E-04	9.69E-05	8.19E-06
2542	437917.9	3724918	8.49E-04	1.84E-04	1.68E-04	2.32E-05	9.02E-04	1.07E-04	9.29E-05	7.85E-06
2543	437910.1	3724913	8.12E-04	1.76E-04	1.60E-04	2.22E-05	8.63E-04	1.03E-04	8.88E-05	7.51E-06
2544	437902.3	3724908	7.75E-04	1.68E-04	1.53E-04	2.12E-05	8.24E-04	9.82E-05	8.48E-05	7.17E-06
2545	437894.6	3724902	7.38E-04	1.60E-04	1.46E-04	2.01E-05	7.84E-04	9.35E-05	8.08E-05	6.83E-06
2546	437979.8	3724927	9.06E-04	1.97E-04	1.79E-04	2.47E-05	9.63E-04	1.15E-04	9.91E-05	8.38E-06
2547	437986	3724934	9.43E-04	2.05E-04	1.86E-04	2.57E-05	1.00E-03	1.19E-04	1.03E-04	8.72E-06
2548	437992.2	3724941	9.79E-04	2.13E-04	1.93E-04	2.67E-05	1.04E-03	1.24E-04	1.07E-04	9.05E-06
2549	437998.3	3724948	1.01E-03	2.20E-04	2.00E-04	2.77E-05	1.08E-03	1.28E-04	1.11E-04	9.37E-06
2550	438004.5	3724955	1.05E-03	2.28E-04	2.07E-04	2.86E-05	1.11E-03	1.33E-04	1.15E-04	9.69E-06
2551	438010.7	3724962	1.08E-03	2.35E-04	2.13E-04	2.95E-05	1.15E-03	1.37E-04	1.18E-04	1.00E-05
2552	438016.9	3724969	1.11E-03	2.42E-04	2.20E-04	3.04E-05	1.18E-03	1.41E-04	1.22E-04	1.03E-05
2553	438023	3724976	1.14E-03	2.49E-04	2.26E-04	3.12E-05	1.22E-03	1.45E-04	1.25E-04	1.06E-05
2554	438029.2	3724982	1.18E-03	2.55E-04	2.32E-04	3.21E-05	1.25E-03	1.49E-04	1.29E-04	1.09E-05
2555	438035.4	3724989	1.20E-03	2.62E-04	2.38E-04	3.28E-05	1.28E-03	1.52E-04	1.32E-04	1.11E-05
2556	438041.6	3724996	1.23E-03	2.67E-04	2.43E-04	3.35E-05	1.31E-03	1.56E-04	1.34E-04	1.14E-05
2557	438047.8	3725003	1.25E-03	2.71E-04	2.47E-04	3.41E-05	1.33E-03	1.58E-04	1.37E-04	1.15E-05
2558	438053.9	3725010	1.27E-03	2.75E-04	2.50E-04	3.46E-05	1.35E-03	1.60E-04	1.39E-04	1.17E-05
2559	438091	3725052	1.36E-03	2.95E-04	2.68E-04	3.71E-05	1.44E-03	1.72E-04	1.49E-04	1.26E-05
2560	437973.6	3724920	8.69E-04	1.89E-04	1.72E-04	2.37E-05	9.23E-04	1.10E-04	9.51E-05	8.04E-06
2561	437965.9	3724915	8.41E-04	1.83E-04	1.66E-04	2.29E-05	8.93E-04	1.07E-04	9.20E-05	7.78E-06
2562	437934.8	3724893	7.23E-04	1.57E-04	1.43E-04	1.97E-05	7.68E-04	9.16E-05	7.91E-05	6.69E-06
2563	437927.1	3724888	6.93E-04	1.51E-04	1.37E-04	1.89E-05	7.36E-04	8.78E-05	7.58E-05	6.41E-06
2564	437919.3	3724883	6.63E-04	1.44E-04	1.31E-04	1.81E-05	7.04E-04	8.40E-05	7.25E-05	6.13E-06
2565	437911.6	3724877	6.33E-04	1.38E-04	1.25E-04	1.73E-05	6.72E-04	8.01E-05	6.92E-05	5.85E-06
2566	437996.7	3724902	7.61E-04	1.65E-04	1.50E-04	2.08E-05	8.08E-04	9.64E-05	8.33E-05	7.04E-06
2567	438002.7	3724909	7.90E-04	1.72E-04	1.56E-04	2.15E-05	8.39E-04	1.00E-04	8.64E-05	7.30E-06
2568	438008.8	3724916	8.22E-04	1.78E-04	1.62E-04	2.24E-05	8.73E-04	1.04E-04	8.99E-05	7.60E-06
2569	438014.8	3724923	8.51E-04	1.85E-04	1.68E-04	2.32E-05	9.04E-04	1.08E-04	9.31E-05	7.87E-06
2570	438020.9	3724929	8.79E-04	1.91E-04	1.74E-04	2.40E-05	9.34E-04	1.11E-04	9.62E-05	8.13E-06
2571	438026.9	3724936	9.06E-04	1.97E-04	1.79E-04	2.47E-05	9.63E-04	1.15E-04	9.91E-05	8.38E-06
2572	438033	3724943	9.29E-04	2.02E-04	1.84E-04	2.54E-05	9.87E-04	1.18E-04	1.02E-04	8.60E-06

2573	438039	3724950	9.55E-04	2.08E-04	1.89E-04	2.61E-05	1.01E-03	1.21E-04	1.05E-04	8.84E-06
2574	438045.1	3724956	9.80E-04	2.13E-04	1.94E-04	2.67E-05	1.04E-03	1.24E-04	1.07E-04	9.06E-06
2575	438051.1	3724963	1.00E-03	2.18E-04	1.98E-04	2.74E-05	1.07E-03	1.27E-04	1.10E-04	9.29E-06
2576	438057.1	3724970	1.02E-03	2.23E-04	2.02E-04	2.80E-05	1.09E-03	1.30E-04	1.12E-04	9.48E-06
2577	438063.2	3724977	1.04E-03	2.27E-04	2.06E-04	2.84E-05	1.11E-03	1.32E-04	1.14E-04	9.64E-06
2578	438069.2	3724984	1.06E-03	2.30E-04	2.10E-04	2.89E-05	1.13E-03	1.34E-04	1.16E-04	9.81E-06
2579	438075.3	3724990	1.08E-03	2.35E-04	2.14E-04	2.95E-05	1.15E-03	1.37E-04	1.18E-04	1.00E-05
2580	438032.4	3724898	7.05E-04	1.53E-04	1.39E-04	1.92E-05	7.49E-04	8.93E-05	7.71E-05	6.52E-06
2581	438038.6	3724905	7.25E-04	1.58E-04	1.43E-04	1.98E-05	7.70E-04	9.18E-05	7.93E-05	6.71E-06
2582	438044.8	3724912	7.49E-04	1.63E-04	1.48E-04	2.04E-05	7.95E-04	9.48E-05	8.19E-05	6.92E-06
2583	438051	3724919	7.71E-04	1.68E-04	1.52E-04	2.10E-05	8.19E-04	9.76E-05	8.44E-05	7.13E-06
2584	438057.2	3724926	7.92E-04	1.72E-04	1.56E-04	2.16E-05	8.41E-04	1.00E-04	8.67E-05	7.33E-06
2585	438063.4	3724933	8.12E-04	1.76E-04	1.60E-04	2.21E-05	8.62E-04	1.03E-04	8.88E-05	7.51E-06
2586	438069.6	3724940	8.31E-04	1.81E-04	1.64E-04	2.27E-05	8.83E-04	1.05E-04	9.10E-05	7.69E-06
2587	438075.8	3724947	8.56E-04	1.86E-04	1.69E-04	2.34E-05	9.09E-04	1.08E-04	9.36E-05	7.92E-06
2588	438082	3724954	8.80E-04	1.91E-04	1.74E-04	2.40E-05	9.34E-04	1.11E-04	9.62E-05	8.14E-06
2589	438088.2	3724961	9.03E-04	1.96E-04	1.78E-04	2.46E-05	9.59E-04	1.14E-04	9.88E-05	8.35E-06
2590	438094.4	3724968	9.24E-04	2.01E-04	1.83E-04	2.52E-05	9.82E-04	1.17E-04	1.01E-04	8.55E-06
2591	437992.1	3724860	5.90E-04	1.28E-04	1.16E-04	1.61E-05	6.26E-04	7.46E-05	6.45E-05	5.45E-06
2592	437984.3	3724855	5.75E-04	1.25E-04	1.14E-04	1.57E-05	6.11E-04	7.28E-05	6.29E-05	5.32E-06
2593	437976.6	3724849	5.57E-04	1.21E-04	1.10E-04	1.52E-05	5.92E-04	7.06E-05	6.10E-05	5.16E-06
2594	437968.8	3724844	5.37E-04	1.17E-04	1.06E-04	1.47E-05	5.71E-04	6.81E-05	5.88E-05	4.97E-06
2595	437961.1	3724839	5.19E-04	1.13E-04	1.02E-04	1.42E-05	5.51E-04	6.57E-05	5.67E-05	4.80E-06
2596	437953.3	3724833	5.00E-04	1.09E-04	9.87E-05	1.36E-05	5.31E-04	6.33E-05	5.47E-05	4.62E-06
2597	437945.6	3724828	4.79E-04	1.04E-04	9.47E-05	1.31E-05	5.09E-04	6.07E-05	5.24E-05	4.43E-06
2598	438030.7	3724853	5.55E-04	1.21E-04	1.10E-04	1.52E-05	5.90E-04	7.03E-05	6.08E-05	5.14E-06
2599	438036.8	3724860	5.73E-04	1.24E-04	1.13E-04	1.56E-05	6.08E-04	7.25E-05	6.27E-05	5.30E-06
2600	438067.2	3724894	6.55E-04	1.42E-04	1.29E-04	1.79E-05	6.96E-04	8.30E-05	7.17E-05	6.06E-06
2601	438073.3	3724901	6.72E-04	1.46E-04	1.33E-04	1.83E-05	7.14E-04	8.51E-05	7.35E-05	6.21E-06
2602	438079.4	3724907	6.89E-04	1.50E-04	1.36E-04	1.88E-05	7.31E-04	8.72E-05	7.53E-05	6.37E-06
2603	438085.4	3724914	7.07E-04	1.54E-04	1.40E-04	1.93E-05	7.51E-04	8.95E-05	7.73E-05	6.54E-06
2604	438091.5	3724921	7.25E-04	1.57E-04	1.43E-04	1.98E-05	7.70E-04	9.18E-05	7.93E-05	6.70E-06
2605	438097.6	3724928	7.42E-04	1.61E-04	1.47E-04	2.02E-05	7.88E-04	9.40E-05	8.12E-05	6.86E-06
2606	438103.7	3724935	7.57E-04	1.65E-04	1.50E-04	2.07E-05	8.04E-04	9.59E-05	8.28E-05	7.00E-06
2607	438024.6	3724846	5.38E-04	1.17E-04	1.06E-04	1.47E-05	5.72E-04	6.82E-05	5.89E-05	4.98E-06
2608	438016.9	3724841	5.24E-04	1.14E-04	1.03E-04	1.43E-05	5.56E-04	6.63E-05	5.73E-05	4.85E-06
2609	438009.1	3724835	5.09E-04	1.11E-04	1.01E-04	1.39E-05	5.41E-04	6.45E-05	5.57E-05	4.71E-06
2610	438001.3	3724830	4.95E-04	1.07E-04	9.77E-05	1.35E-05	5.25E-04	6.26E-05	5.41E-05	4.58E-06
2611	437993.6	3724825	4.80E-04	1.04E-04	9.47E-05	1.31E-05	5.10E-04	6.07E-05	5.25E-05	4.44E-06
2612	437985.8	3724819	4.64E-04	1.01E-04	9.17E-05	1.27E-05	4.93E-04	5.88E-05	5.08E-05	4.29E-06
2613	437978.1	3724814	4.49E-04	9.75E-05	8.86E-05	1.22E-05	4.77E-04	5.68E-05	4.91E-05	4.15E-06
2614	437970.3	3724809	4.34E-04	9.44E-05	8.58E-05	1.19E-05	4.61E-04	5.50E-05	4.75E-05	4.02E-06
2615	437962.6	3724803	4.20E-04	9.12E-05	8.29E-05	1.15E-05	4.46E-04	5.31E-05	4.59E-05	3.88E-06
2616	438190.8	3724988	8.09E-04	1.76E-04	1.60E-04	2.21E-05	8.60E-04	1.02E-04	8.85E-05	7.49E-06
2617	438197	3724995	8.23E-04	1.79E-04	1.62E-04	2.24E-05	8.74E-04	1.04E-04	9.00E-05	7.61E-06
2618	438018.3	3724805	4.33E-04	9.40E-05	8.55E-05	1.18E-05	4.60E-04	5.48E-05	4.73E-05	4.00E-06
2619	438010.6	3724800	4.20E-04	9.12E-05	8.29E-05	1.14E-05	4.46E-04	5.31E-05	4.59E-05	3.88E-06
2620	438002.8	3724795	4.07E-04	8.83E-05	8.03E-05	1.11E-05	4.32E-04	5.15E-05	4.45E-05	3.76E-06
2621	437995.1	3724789	3.93E-04	8.55E-05	7.77E-05	1.07E-05	4.18E-04	4.98E-05	4.30E-05	3.64E-06
2622	437987.3	3724784	3.80E-04	8.26E-05	7.51E-05	1.04E-05	4.04E-04	4.81E-05	4.16E-05	3.52E-06
2623	437979.6	3724779	3.66E-04	7.95E-05	7.23E-05	9.98E-06	3.89E-04	4.63E-05	4.00E-05	3.38E-06
2624	438107.5	3724851	5.21E-04	1.13E-04	1.03E-04	1.42E-05	5.54E-04	6.60E-05	5.70E-05	4.82E-06
2625	438113.6	3724858	5.34E-04	1.16E-04	1.05E-04	1.46E-05	5.67E-04	6.76E-05	5.84E-05	4.94E-06
2626	438119.7	3724865	5.46E-04	1.19E-04	1.08E-04	1.49E-05	5.80E-04	6.91E-05	5.97E-05	5.05E-06
2627	438125.8	3724872	5.58E-04	1.21E-04	1.10E-04	1.52E-05	5.93E-04	7.07E-05	6.10E-05	5.16E-06
2628	438131.9	3724879	5.69E-04	1.24E-04	1.12E-04	1.55E-05	6.05E-04	7.21E-05	6.23E-05	5.26E-06

2629	438138	3724886	5.79E-04	1.26E-04	1.14E-04	1.58E-05	6.16E-04	7.34E-05	6.34E-05	5.36E-06
2630	438144.1	3724892	5.90E-04	1.28E-04	1.16E-04	1.61E-05	6.26E-04	7.46E-05	6.45E-05	5.45E-06
2631	438150.2	3724899	5.99E-04	1.30E-04	1.18E-04	1.64E-05	6.37E-04	7.59E-05	6.56E-05	5.54E-06
2632	438156.4	3724906	6.09E-04	1.32E-04	1.20E-04	1.66E-05	6.47E-04	7.71E-05	6.66E-05	5.63E-06
2633	438162.5	3724913	6.18E-04	1.34E-04	1.22E-04	1.69E-05	6.57E-04	7.83E-05	6.76E-05	5.72E-06
2634	438168.6	3724920	6.28E-04	1.36E-04	1.24E-04	1.71E-05	6.67E-04	7.95E-05	6.87E-05	5.81E-06
2635	438081.8	3724779	3.78E-04	8.21E-05	7.46E-05	1.03E-05	4.01E-04	4.78E-05	4.13E-05	3.49E-06
2636	438088	3724786	3.90E-04	8.48E-05	7.71E-05	1.06E-05	4.14E-04	4.94E-05	4.27E-05	3.61E-06
2637	438094.3	3724793	4.01E-04	8.72E-05	7.93E-05	1.10E-05	4.26E-04	5.08E-05	4.39E-05	3.71E-06
2638	438100.5	3724800	4.13E-04	8.97E-05	8.15E-05	1.13E-05	4.38E-04	5.23E-05	4.52E-05	3.82E-06
2639	438106.7	3724807	4.24E-04	9.22E-05	8.38E-05	1.16E-05	4.51E-04	5.37E-05	4.64E-05	3.92E-06
2640	438113	3724814	4.36E-04	9.47E-05	8.61E-05	1.19E-05	4.63E-04	5.52E-05	4.77E-05	4.03E-06
2641	438119.2	3724821	4.48E-04	9.74E-05	8.86E-05	1.22E-05	4.76E-04	5.68E-05	4.91E-05	4.15E-06
2642	438125.4	3724828	4.61E-04	1.00E-04	9.10E-05	1.26E-05	4.90E-04	5.84E-05	5.04E-05	4.26E-06
2643	438131.6	3724835	4.73E-04	1.03E-04	9.34E-05	1.29E-05	5.02E-04	5.99E-05	5.17E-05	4.37E-06
2644	438137.9	3724842	4.85E-04	1.05E-04	9.57E-05	1.32E-05	5.15E-04	6.14E-05	5.30E-05	4.48E-06
2645	438144.1	3724849	4.96E-04	1.08E-04	9.79E-05	1.35E-05	5.26E-04	6.28E-05	5.42E-05	4.58E-06
2646	438150.3	3724856	5.06E-04	1.10E-04	9.99E-05	1.38E-05	5.37E-04	6.40E-05	5.53E-05	4.68E-06
2647	438156.5	3724863	5.15E-04	1.12E-04	1.02E-04	1.41E-05	5.47E-04	6.53E-05	5.64E-05	4.77E-06
2648	438162.8	3724870	5.24E-04	1.14E-04	1.04E-04	1.43E-05	5.57E-04	6.64E-05	5.74E-05	4.85E-06
2649	438169	3724877	5.33E-04	1.16E-04	1.05E-04	1.45E-05	5.66E-04	6.75E-05	5.83E-05	4.93E-06
2650	438175.2	3724884	5.41E-04	1.18E-04	1.07E-04	1.48E-05	5.75E-04	6.85E-05	5.92E-05	5.01E-06
2651	438181.5	3724891	5.49E-04	1.19E-04	1.09E-04	1.50E-05	5.84E-04	6.96E-05	6.01E-05	5.08E-06
2652	438075.6	3724772	3.66E-04	7.94E-05	7.22E-05	9.98E-06	3.88E-04	4.63E-05	4.00E-05	3.38E-06
2653	438067.8	3724766	3.57E-04	7.75E-05	7.04E-05	9.73E-06	3.79E-04	4.51E-05	3.90E-05	3.30E-06
2654	438060.1	3724761	3.48E-04	7.55E-05	6.87E-05	9.49E-06	3.69E-04	4.40E-05	3.80E-05	3.22E-06
2655	438052.3	3724756	3.39E-04	7.36E-05	6.69E-05	9.25E-06	3.60E-04	4.29E-05	3.71E-05	3.13E-06
2656	438044.6	3724750	3.29E-04	7.14E-05	6.49E-05	8.96E-06	3.49E-04	4.16E-05	3.59E-05	3.04E-06
2657	438036.8	3724745	3.18E-04	6.90E-05	6.27E-05	8.66E-06	3.37E-04	4.02E-05	3.47E-05	2.94E-06
2658	438029.1	3724740	3.06E-04	6.65E-05	6.04E-05	8.35E-06	3.25E-04	3.87E-05	3.35E-05	2.83E-06
2659	438021.3	3724734	2.95E-04	6.40E-05	5.82E-05	8.04E-06	3.13E-04	3.73E-05	3.22E-05	2.72E-06
2660	438013.6	3724729	2.83E-04	6.16E-05	5.60E-05	7.73E-06	3.01E-04	3.59E-05	3.10E-05	2.62E-06
2661	438098.7	3724754	3.34E-04	7.26E-05	6.60E-05	9.11E-06	3.55E-04	4.23E-05	3.65E-05	3.09E-06
2662	438104.9	3724761	3.44E-04	7.48E-05	6.80E-05	9.40E-06	3.66E-04	4.36E-05	3.77E-05	3.19E-06
2663	438111	3724768	3.55E-04	7.70E-05	7.00E-05	9.67E-06	3.77E-04	4.49E-05	3.88E-05	3.28E-06
2664	438117.1	3724775	3.65E-04	7.93E-05	7.20E-05	9.95E-06	3.87E-04	4.62E-05	3.99E-05	3.37E-06
2665	438123.2	3724781	3.75E-04	8.15E-05	7.41E-05	1.02E-05	3.98E-04	4.75E-05	4.10E-05	3.47E-06
2666	438129.4	3724788	3.85E-04	8.37E-05	7.61E-05	1.05E-05	4.09E-04	4.88E-05	4.21E-05	3.56E-06
2667	438135.5	3724795	3.95E-04	8.59E-05	7.81E-05	1.08E-05	4.20E-04	5.01E-05	4.32E-05	3.66E-06
2668	438141.6	3724802	4.05E-04	8.81E-05	8.01E-05	1.11E-05	4.31E-04	5.13E-05	4.43E-05	3.75E-06
2669	438147.8	3724809	4.15E-04	9.02E-05	8.20E-05	1.13E-05	4.41E-04	5.26E-05	4.54E-05	3.84E-06
2670	438153.9	3724816	4.25E-04	9.22E-05	8.39E-05	1.16E-05	4.51E-04	5.38E-05	4.64E-05	3.93E-06
2671	438160	3724823	4.35E-04	9.44E-05	8.58E-05	1.19E-05	4.62E-04	5.50E-05	4.75E-05	4.02E-06
2672	438166.2	3724830	4.44E-04	9.65E-05	8.78E-05	1.21E-05	4.72E-04	5.63E-05	4.86E-05	4.11E-06
2673	438172.3	3724836	4.54E-04	9.85E-05	8.96E-05	1.24E-05	4.82E-04	5.74E-05	4.96E-05	4.20E-06
2674	438178.4	3724843	4.62E-04	1.00E-04	9.13E-05	1.26E-05	4.91E-04	5.85E-05	5.06E-05	4.27E-06
2675	438092.6	3724747	3.22E-04	7.00E-05	6.37E-05	8.80E-06	3.42E-04	4.08E-05	3.53E-05	2.98E-06
2676	438084.8	3724742	3.14E-04	6.81E-05	6.19E-05	8.55E-06	3.33E-04	3.97E-05	3.43E-05	2.90E-06
2677	438077.1	3724736	3.05E-04	6.62E-05	6.02E-05	8.31E-06	3.23E-04	3.86E-05	3.33E-05	2.82E-06
2678	438069.3	3724731	2.96E-04	6.42E-05	5.84E-05	8.06E-06	3.14E-04	3.74E-05	3.23E-05	2.73E-06
2679	438061.6	3724726	2.87E-04	6.23E-05	5.66E-05	7.82E-06	3.04E-04	3.63E-05	3.13E-05	2.65E-06
2680	438053.8	3724720	2.78E-04	6.03E-05	5.48E-05	7.58E-06	2.95E-04	3.52E-05	3.04E-05	2.57E-06
2681	438046.1	3724715	2.69E-04	5.84E-05	5.31E-05	7.33E-06	2.85E-04	3.40E-05	2.94E-05	2.49E-06
2682	438038.3	3724710	2.60E-04	5.64E-05	5.13E-05	7.08E-06	2.76E-04	3.29E-05	2.84E-05	2.40E-06
2683	438030.5	3724704	2.50E-04	5.43E-05	4.94E-05	6.82E-06	2.66E-04	3.17E-05	2.74E-05	2.31E-06
2684	438133.7	3724735	3.00E-04	6.53E-05	5.93E-05	8.20E-06	3.19E-04	3.80E-05	3.29E-05	2.78E-06

2685	438139.8	3724742	3.10E-04	6.73E-05	6.12E-05	8.45E-06	3.29E-04	3.92E-05	3.39E-05	2.86E-06
2686	438146	3724749	3.19E-04	6.92E-05	6.29E-05	8.69E-06	3.38E-04	4.03E-05	3.49E-05	2.95E-06
2687	438152.1	3724755	3.28E-04	7.12E-05	6.47E-05	8.94E-06	3.48E-04	4.15E-05	3.58E-05	3.03E-06
2688	438061	3724677	2.23E-04	4.84E-05	4.40E-05	6.08E-06	2.37E-04	2.82E-05	2.44E-05	2.06E-06
2689	438053.2	3724671	2.16E-04	4.68E-05	4.26E-05	5.88E-06	2.29E-04	2.73E-05	2.36E-05	1.99E-06
2690	437653.6	3725160	1.05E-02	2.29E-03	2.08E-03	2.87E-04	1.12E-02	1.33E-03	1.15E-03	9.73E-05
2691	437639.3	3725150	6.40E-03	1.39E-03	1.26E-03	1.75E-04	6.79E-03	8.10E-04	7.00E-04	5.92E-05
2692	437688	3725172	1.73E-02	3.75E-03	3.41E-03	4.71E-04	1.83E-02	2.18E-03	1.89E-03	1.60E-04
2693	437673.7	3725162	1.26E-02	2.75E-03	2.50E-03	3.45E-04	1.34E-02	1.60E-03	1.38E-03	1.17E-04
2694	437659.4	3725152	8.29E-03	1.80E-03	1.64E-03	2.26E-04	8.80E-03	1.05E-03	9.06E-04	7.66E-05
2695	437645.1	3725142	5.21E-03	1.13E-03	1.03E-03	1.42E-04	5.54E-03	6.60E-04	5.70E-04	4.82E-05
2696	437693.8	3725164	1.35E-02	2.93E-03	2.67E-03	3.68E-04	1.43E-02	1.71E-03	1.48E-03	1.25E-04
2697	437679.5	3725154	9.93E-03	2.16E-03	1.96E-03	2.71E-04	1.06E-02	1.26E-03	1.09E-03	9.19E-05
2698	437665.2	3725144	6.79E-03	1.47E-03	1.34E-03	1.85E-04	7.21E-03	8.60E-04	7.43E-04	6.28E-05
2699	437650.9	3725133	4.40E-03	9.57E-04	8.70E-04	1.20E-04	4.68E-03	5.58E-04	4.82E-04	4.07E-05
2700	437699.7	3725156	1.09E-02	2.37E-03	2.15E-03	2.98E-04	1.16E-02	1.38E-03	1.19E-03	1.01E-04
2701	437685.4	3725146	8.13E-03	1.77E-03	1.61E-03	2.22E-04	8.64E-03	1.03E-03	8.89E-04	7.52E-05
2702	437671.1	3725136	5.79E-03	1.26E-03	1.14E-03	1.58E-04	6.15E-03	7.33E-04	6.33E-04	5.35E-05
2703	437656.8	3725125	3.87E-03	8.42E-04	7.65E-04	1.06E-04	4.12E-03	4.91E-04	4.24E-04	3.58E-05
2704	437705.5	3725148	9.03E-03	1.96E-03	1.78E-03	2.46E-04	9.59E-03	1.14E-03	9.88E-04	8.35E-05
2705	437691.2	3725138	6.97E-03	1.51E-03	1.38E-03	1.90E-04	7.40E-03	8.82E-04	7.62E-04	6.44E-05
2706	437676.9	3725127	5.05E-03	1.10E-03	9.97E-04	1.38E-04	5.36E-03	6.39E-04	5.52E-04	4.67E-05
2707	437662.6	3725117	3.47E-03	7.53E-04	6.85E-04	9.46E-05	3.68E-03	4.39E-04	3.79E-04	3.21E-05
2708	437711.3	3725140	7.76E-03	1.69E-03	1.53E-03	2.12E-04	8.24E-03	9.83E-04	8.49E-04	7.18E-05
2709	437697	3725130	6.08E-03	1.32E-03	1.20E-03	1.66E-04	6.46E-03	7.70E-04	6.65E-04	5.62E-05
2710	437682.7	3725119	4.48E-03	9.74E-04	8.85E-04	1.22E-04	4.76E-03	5.67E-04	4.90E-04	4.14E-05
2711	437668.4	3725109	3.27E-03	7.11E-04	6.46E-04	8.93E-05	3.48E-03	4.14E-04	3.58E-04	3.03E-05
2712	437717.2	3725132	6.75E-03	1.47E-03	1.33E-03	1.84E-04	7.17E-03	8.55E-04	7.38E-04	6.24E-05
2713	437702.9	3725121	5.39E-03	1.17E-03	1.06E-03	1.47E-04	5.73E-03	6.83E-04	5.90E-04	4.99E-05
2714	437688.6	3725111	4.09E-03	8.88E-04	8.07E-04	1.11E-04	4.34E-03	5.17E-04	4.47E-04	3.78E-05
2715	437674.3	3725101	3.13E-03	6.80E-04	6.18E-04	8.54E-05	3.33E-03	3.97E-04	3.43E-04	2.90E-05
2716	437723	3725124	5.88E-03	1.28E-03	1.16E-03	1.61E-04	6.25E-03	7.45E-04	6.44E-04	5.44E-05
2717	437708.7	3725113	4.83E-03	1.05E-03	9.54E-04	1.32E-04	5.13E-03	6.12E-04	5.28E-04	4.47E-05
2718	437694.4	3725103	3.75E-03	8.16E-04	7.42E-04	1.02E-04	3.99E-03	4.75E-04	4.11E-04	3.47E-05
2719	437680.1	3725093	3.02E-03	6.56E-04	5.97E-04	8.24E-05	3.21E-03	3.82E-04	3.30E-04	2.79E-05
2720	437728.8	3725115	5.14E-03	1.12E-03	1.01E-03	1.40E-04	5.46E-03	6.50E-04	5.62E-04	4.75E-05
2721	437714.5	3725105	4.26E-03	9.25E-04	8.41E-04	1.16E-04	4.52E-03	5.39E-04	4.66E-04	3.94E-05
2722	437700.2	3725095	3.43E-03	7.46E-04	6.78E-04	9.37E-05	3.65E-03	4.35E-04	3.76E-04	3.18E-05
2723	437685.9	3725085	2.73E-03	5.93E-04	5.39E-04	7.45E-05	2.90E-03	3.46E-04	2.99E-04	2.53E-05
2724	437734.7	3725107	4.52E-03	9.82E-04	8.93E-04	1.23E-04	4.80E-03	5.73E-04	4.95E-04	4.18E-05
2725	437720.4	3725097	3.77E-03	8.20E-04	7.45E-04	1.03E-04	4.01E-03	4.78E-04	4.13E-04	3.49E-05
2726	437706.1	3725087	3.12E-03	6.77E-04	6.16E-04	8.51E-05	3.31E-03	3.95E-04	3.41E-04	2.88E-05
2727	437691.8	3725077	2.47E-03	5.37E-04	4.88E-04	6.74E-05	2.63E-03	3.13E-04	2.70E-04	2.29E-05
2728	437793	3725026	1.88E-03	4.09E-04	3.72E-04	5.14E-05	2.00E-03	2.38E-04	2.06E-04	1.74E-05
2729	437778.7	3725016	1.62E-03	3.52E-04	3.20E-04	4.42E-05	1.72E-03	2.05E-04	1.77E-04	1.50E-05
2730	437764.4	3725006	1.37E-03	2.99E-04	2.71E-04	3.75E-05	1.46E-03	1.74E-04	1.50E-04	1.27E-05
2731	437750.1	3724995	1.15E-03	2.50E-04	2.27E-04	3.14E-05	1.22E-03	1.46E-04	1.26E-04	1.07E-05
2732	437804.7	3725010	1.62E-03	3.52E-04	3.20E-04	4.42E-05	1.72E-03	2.05E-04	1.77E-04	1.50E-05
2733	437790.4	3725000	1.41E-03	3.05E-04	2.78E-04	3.83E-05	1.49E-03	1.78E-04	1.54E-04	1.30E-05
2734	437776.1	3724989	1.20E-03	2.61E-04	2.38E-04	3.28E-05	1.28E-03	1.52E-04	1.32E-04	1.11E-05
2735	437761.8	3724979	1.02E-03	2.21E-04	2.01E-04	2.78E-05	1.08E-03	1.29E-04	1.11E-04	9.41E-06
2736	437816.3	3724994	1.41E-03	3.06E-04	2.78E-04	3.84E-05	1.50E-03	1.78E-04	1.54E-04	1.30E-05
2737	437787.7	3724973	1.06E-03	2.30E-04	2.10E-04	2.89E-05	1.13E-03	1.34E-04	1.16E-04	9.81E-06
2738	437773.4	3724963	9.06E-04	1.97E-04	1.79E-04	2.47E-05	9.62E-04	1.15E-04	9.91E-05	8.38E-06
2739	437813.7	3724967	1.08E-03	2.35E-04	2.14E-04	2.95E-05	1.15E-03	1.37E-04	1.18E-04	1.00E-05
2740	437839.7	3724961	1.09E-03	2.36E-04	2.15E-04	2.96E-05	1.15E-03	1.38E-04	1.19E-04	1.00E-05

2741	437825.4	3724951	9.61E-04	2.09E-04	1.90E-04	2.62E-05	1.02E-03	1.22E-04	1.05E-04	8.88E-06
2742	437811.1	3724941	8.42E-04	1.83E-04	1.66E-04	2.30E-05	8.94E-04	1.07E-04	9.21E-05	7.78E-06
2743	437796.8	3724930	7.31E-04	1.59E-04	1.44E-04	1.99E-05	7.76E-04	9.25E-05	7.99E-05	6.76E-06
2744	437851.3	3724945	9.64E-04	2.09E-04	1.90E-04	2.63E-05	1.02E-03	1.22E-04	1.05E-04	8.92E-06
2745	437837	3724935	8.58E-04	1.86E-04	1.69E-04	2.34E-05	9.11E-04	1.09E-04	9.38E-05	7.93E-06
2746	437822.7	3724924	7.56E-04	1.64E-04	1.49E-04	2.06E-05	8.03E-04	9.57E-05	8.27E-05	6.99E-06
2747	437808.4	3724914	6.61E-04	1.44E-04	1.31E-04	1.80E-05	7.02E-04	8.37E-05	7.23E-05	6.12E-06
2748	437868.9	3724921	8.15E-04	1.77E-04	1.61E-04	2.22E-05	8.66E-04	1.03E-04	8.92E-05	7.54E-06
2749	437854.5	3724910	7.30E-04	1.59E-04	1.44E-04	1.99E-05	7.76E-04	9.25E-05	7.99E-05	6.75E-06
2750	437840.2	3724900	6.50E-04	1.41E-04	1.28E-04	1.77E-05	6.90E-04	8.23E-05	7.11E-05	6.01E-06
2751	437825.9	3724890	5.74E-04	1.25E-04	1.13E-04	1.57E-05	6.09E-04	7.26E-05	6.28E-05	5.31E-06
2752	437886.4	3724896	6.97E-04	1.52E-04	1.38E-04	1.90E-05	7.41E-04	8.83E-05	7.63E-05	6.45E-06
2753	437872	3724886	6.29E-04	1.37E-04	1.24E-04	1.72E-05	6.68E-04	7.96E-05	6.88E-05	5.82E-06
2754	437857.7	3724876	5.63E-04	1.22E-04	1.11E-04	1.54E-05	5.98E-04	7.13E-05	6.16E-05	5.21E-06
2755	437843.4	3724865	5.02E-04	1.09E-04	9.91E-05	1.37E-05	5.33E-04	6.35E-05	5.49E-05	4.64E-06
2756	437899.9	3724832	4.56E-04	9.91E-05	9.01E-05	1.25E-05	4.85E-04	5.78E-05	4.99E-05	4.22E-06
2757	437885.6	3724822	4.13E-04	8.98E-05	8.16E-05	1.13E-05	4.39E-04	5.23E-05	4.52E-05	3.82E-06
2758	437931.7	3724818	4.42E-04	9.59E-05	8.72E-05	1.20E-05	4.69E-04	5.59E-05	4.83E-05	4.08E-06
2759	437917.4	3724808	4.04E-04	8.77E-05	7.98E-05	1.10E-05	4.29E-04	5.11E-05	4.42E-05	3.73E-06
2760	437903.1	3724797	3.68E-04	7.99E-05	7.26E-05	1.00E-05	3.90E-04	4.65E-05	4.02E-05	3.40E-06
2761	437949.2	3724794	3.91E-04	8.50E-05	7.73E-05	1.07E-05	4.16E-04	4.96E-05	4.28E-05	3.62E-06
2762	437934.9	3724783	3.59E-04	7.81E-05	7.10E-05	9.81E-06	3.82E-04	4.55E-05	3.93E-05	3.32E-06
2763	437920.6	3724773	3.29E-04	7.14E-05	6.49E-05	8.97E-06	3.49E-04	4.16E-05	3.60E-05	3.04E-06
2764	437966.7	3724769	3.42E-04	7.44E-05	6.76E-05	9.34E-06	3.64E-04	4.33E-05	3.75E-05	3.17E-06
2765	437952.4	3724759	3.18E-04	6.91E-05	6.28E-05	8.68E-06	3.38E-04	4.03E-05	3.48E-05	2.94E-06
2766	437938.1	3724749	2.93E-04	6.37E-05	5.79E-05	8.00E-06	3.12E-04	3.71E-05	3.21E-05	2.71E-06
2767	437955.6	3724724	2.56E-04	5.57E-05	5.06E-05	6.99E-06	2.72E-04	3.24E-05	2.80E-05	2.37E-06
2768	438019.2	3724696	2.36E-04	5.12E-05	4.65E-05	6.43E-06	2.50E-04	2.98E-05	2.58E-05	2.18E-06
2769	438004.9	3724686	2.17E-04	4.71E-05	4.28E-05	5.92E-06	2.30E-04	2.75E-05	2.37E-05	2.01E-06
2770	438042.5	3724664	2.05E-04	4.45E-05	4.04E-05	5.59E-06	2.18E-04	2.59E-05	2.24E-05	1.89E-06
2771	437619.6	3725133	3.28E-03	7.12E-04	6.47E-04	8.94E-05	3.48E-03	4.15E-04	3.58E-04	3.03E-05
2772	437615	3725125	2.59E-03	5.62E-04	5.11E-04	7.06E-05	2.75E-03	3.28E-04	2.83E-04	2.39E-05
2773	437607.8	3725117	2.16E-03	4.69E-04	4.26E-04	5.88E-05	2.29E-03	2.73E-04	2.36E-04	1.99E-05
2774	437623.1	3725111	2.07E-03	4.49E-04	4.08E-04	5.63E-05	2.19E-03	2.61E-04	2.26E-04	1.91E-05
2775	437638.7	3725110	2.37E-03	5.15E-04	4.68E-04	6.47E-05	2.52E-03	3.00E-04	2.59E-04	2.19E-05
2776	437600.8	3725110	1.90E-03	4.13E-04	3.75E-04	5.19E-05	2.02E-03	2.41E-04	2.08E-04	1.76E-05
2777	437615.5	3725104	1.77E-03	3.85E-04	3.50E-04	4.83E-05	1.88E-03	2.24E-04	1.94E-04	1.64E-05
2778	437637.9	3725100	2.06E-03	4.48E-04	4.07E-04	5.62E-05	2.19E-03	2.61E-04	2.25E-04	1.91E-05
2779	437593.9	3725103	1.64E-03	3.56E-04	3.24E-04	4.48E-05	1.74E-03	2.08E-04	1.79E-04	1.52E-05
2780	437608.2	3725097	1.56E-03	3.39E-04	3.09E-04	4.26E-05	1.66E-03	1.98E-04	1.71E-04	1.44E-05
2781	437622.6	3725091	1.55E-03	3.38E-04	3.07E-04	4.24E-05	1.65E-03	1.97E-04	1.70E-04	1.44E-05
2782	437637.1	3725090	1.84E-03	4.00E-04	3.63E-04	5.02E-05	1.95E-03	2.33E-04	2.01E-04	1.70E-05
2783	437588.3	3725095	1.40E-03	3.05E-04	2.77E-04	3.83E-05	1.49E-03	1.78E-04	1.54E-04	1.30E-05
2784	437604.6	3725088	1.37E-03	2.99E-04	2.71E-04	3.75E-05	1.46E-03	1.74E-04	1.50E-04	1.27E-05
2785	437621	3725081	1.37E-03	2.97E-04	2.70E-04	3.73E-05	1.45E-03	1.73E-04	1.50E-04	1.26E-05
2786	437637.7	3725080	1.66E-03	3.61E-04	3.28E-04	4.53E-05	1.76E-03	2.10E-04	1.82E-04	1.54E-05
2787	437654.6	3725085	2.12E-03	4.61E-04	4.19E-04	5.79E-05	2.25E-03	2.69E-04	2.32E-04	1.96E-05
2788	437581.3	3725087	1.22E-03	2.65E-04	2.41E-04	3.32E-05	1.29E-03	1.54E-04	1.33E-04	1.13E-05
2789	437597.1	3725081	1.21E-03	2.64E-04	2.40E-04	3.31E-05	1.29E-03	1.54E-04	1.33E-04	1.12E-05
2790	437612.9	3725074	1.23E-03	2.67E-04	2.43E-04	3.35E-05	1.31E-03	1.56E-04	1.35E-04	1.14E-05
2791	437636.8	3725070	1.41E-03	3.06E-04	2.78E-04	3.84E-05	1.50E-03	1.78E-04	1.54E-04	1.30E-05
2792	437669.6	3725080	2.21E-03	4.80E-04	4.36E-04	6.03E-05	2.35E-03	2.80E-04	2.42E-04	2.04E-05
2793	437566.8	3725097	1.29E-03	2.80E-04	2.55E-04	3.52E-05	1.37E-03	1.63E-04	1.41E-04	1.19E-05
2794	437540	3725121	1.54E-03	3.36E-04	3.05E-04	4.21E-05	1.64E-03	1.96E-04	1.69E-04	1.43E-05
2795	437526.7	3725132	1.65E-03	3.58E-04	3.25E-04	4.49E-05	1.75E-03	2.08E-04	1.80E-04	1.52E-05
2796	437574.5	3725080	1.07E-03	2.33E-04	2.12E-04	2.93E-05	1.14E-03	1.36E-04	1.17E-04	9.92E-06

2797	437589.8	3725074	1.06E-03	2.30E-04	2.09E-04	2.89E-05	1.12E-03	1.34E-04	1.16E-04	9.79E-06
2798	437605.1	3725067	1.06E-03	2.30E-04	2.09E-04	2.89E-05	1.13E-03	1.34E-04	1.16E-04	9.81E-06
2799	437560.1	3725089	1.14E-03	2.48E-04	2.25E-04	3.11E-05	1.21E-03	1.44E-04	1.25E-04	1.05E-05
2800	437533.4	3725113	1.37E-03	2.97E-04	2.70E-04	3.73E-05	1.45E-03	1.73E-04	1.49E-04	1.26E-05
2801	437520	3725125	1.46E-03	3.17E-04	2.88E-04	3.98E-05	1.55E-03	1.84E-04	1.59E-04	1.35E-05
2802	437561.6	3725065	8.55E-04	1.86E-04	1.69E-04	2.33E-05	9.08E-04	1.08E-04	9.35E-05	7.91E-06
2803	437578	3725058	8.31E-04	1.80E-04	1.64E-04	2.27E-05	8.82E-04	1.05E-04	9.09E-05	7.68E-06
2804	437594.3	3725051	8.19E-04	1.78E-04	1.62E-04	2.23E-05	8.70E-04	1.04E-04	8.96E-05	7.58E-06
2805	437546.8	3725074	9.15E-04	1.99E-04	1.81E-04	2.50E-05	9.72E-04	1.16E-04	1.00E-04	8.46E-06
2806	437506.7	3725110	1.17E-03	2.54E-04	2.31E-04	3.18E-05	1.24E-03	1.48E-04	1.28E-04	1.08E-05
2807	437547.9	3725050	7.04E-04	1.53E-04	1.39E-04	1.92E-05	7.48E-04	8.92E-05	7.71E-05	6.52E-06
2808	437563.5	3725044	6.78E-04	1.47E-04	1.34E-04	1.85E-05	7.20E-04	8.59E-05	7.42E-05	6.27E-06
2809	437533.4	3725059	7.56E-04	1.64E-04	1.49E-04	2.06E-05	8.03E-04	9.57E-05	8.27E-05	6.99E-06
2810	437699.2	3724980	7.26E-04	1.58E-04	1.43E-04	1.98E-05	7.71E-04	9.19E-05	7.94E-05	6.71E-06
2811	437716.2	3724985	8.55E-04	1.86E-04	1.69E-04	2.33E-05	9.08E-04	1.08E-04	9.35E-05	7.91E-06
2812	437733.1	3724990	9.98E-04	2.17E-04	1.97E-04	2.72E-05	1.06E-03	1.26E-04	1.09E-04	9.23E-06
2813	437662.9	3724950	4.22E-04	9.16E-05	8.33E-05	1.15E-05	4.48E-04	5.34E-05	4.61E-05	3.90E-06
2814	437679.4	3724955	4.91E-04	1.07E-04	9.69E-05	1.34E-05	5.21E-04	6.22E-05	5.37E-05	4.54E-06
2815	437695.9	3724960	5.73E-04	1.25E-04	1.13E-04	1.56E-05	6.09E-04	7.26E-05	6.27E-05	5.30E-06
2816	437712.3	3724965	6.69E-04	1.45E-04	1.32E-04	1.83E-05	7.11E-04	8.47E-05	7.32E-05	6.19E-06
2817	437728.8	3724969	7.76E-04	1.69E-04	1.53E-04	2.12E-05	8.25E-04	9.83E-05	8.49E-05	7.18E-06
2818	437745.3	3724974	8.94E-04	1.94E-04	1.76E-04	2.44E-05	9.49E-04	1.13E-04	9.77E-05	8.26E-06
2819	437466.8	3725012	4.53E-04	9.84E-05	8.94E-05	1.24E-05	4.81E-04	5.73E-05	4.95E-05	4.19E-06
2820	437453.4	3725024	4.84E-04	1.05E-04	9.56E-05	1.32E-05	5.14E-04	6.13E-05	5.30E-05	4.48E-06
2821	437440	3725036	5.11E-04	1.11E-04	1.01E-04	1.39E-05	5.43E-04	6.47E-05	5.59E-05	4.72E-06
2822	437481.7	3724975	3.48E-04	7.56E-05	6.87E-05	9.49E-06	3.70E-04	4.41E-05	3.81E-05	3.22E-06
2823	437498	3724969	3.30E-04	7.17E-05	6.52E-05	9.01E-06	3.51E-04	4.18E-05	3.61E-05	3.05E-06
2824	437514.4	3724962	3.12E-04	6.78E-05	6.16E-05	8.51E-06	3.31E-04	3.95E-05	3.41E-05	2.89E-06
2825	437646.1	3724926	3.09E-04	6.71E-05	6.10E-05	8.42E-06	3.28E-04	3.91E-05	3.38E-05	2.86E-06
2826	437663.1	3724931	3.55E-04	7.71E-05	7.01E-05	9.68E-06	3.77E-04	4.49E-05	3.88E-05	3.28E-06
2827	437680.1	3724935	4.12E-04	8.94E-05	8.13E-05	1.12E-05	4.37E-04	5.21E-05	4.50E-05	3.81E-06
2828	437697	3724940	4.80E-04	1.04E-04	9.47E-05	1.31E-05	5.09E-04	6.07E-05	5.25E-05	4.44E-06
2829	437714	3724945	5.59E-04	1.21E-04	1.10E-04	1.52E-05	5.94E-04	7.08E-05	6.11E-05	5.17E-06
2830	437731	3724950	6.48E-04	1.41E-04	1.28E-04	1.77E-05	6.89E-04	8.21E-05	7.09E-05	6.00E-06
2831	437748	3724955	7.47E-04	1.62E-04	1.48E-04	2.04E-05	7.93E-04	9.46E-05	8.17E-05	6.91E-06
2832	437466.8	3724985	3.71E-04	8.06E-05	7.33E-05	1.01E-05	3.94E-04	4.70E-05	4.06E-05	3.43E-06
2833	437453.4	3724997	4.00E-04	8.69E-05	7.90E-05	1.09E-05	4.25E-04	5.07E-05	4.38E-05	3.70E-06
2834	437440.1	3725009	4.26E-04	9.27E-05	8.42E-05	1.16E-05	4.53E-04	5.40E-05	4.67E-05	3.94E-06
2835	437426.7	3725021	4.49E-04	9.75E-05	8.87E-05	1.22E-05	4.77E-04	5.68E-05	4.91E-05	4.15E-06
2836	437468.1	3724961	3.12E-04	6.78E-05	6.16E-05	8.51E-06	3.31E-04	3.95E-05	3.41E-05	2.89E-06
2837	437484.1	3724954	2.97E-04	6.45E-05	5.87E-05	8.10E-06	3.15E-04	3.76E-05	3.25E-05	2.75E-06
2838	437500	3724947	2.81E-04	6.11E-05	5.55E-05	7.67E-06	2.99E-04	3.56E-05	3.08E-05	2.60E-06
2839	437516	3724941	2.66E-04	5.77E-05	5.24E-05	7.24E-06	2.82E-04	3.36E-05	2.90E-05	2.46E-06
2840	437531.9	3724934	2.51E-04	5.46E-05	4.96E-05	6.85E-06	2.67E-04	3.18E-05	2.75E-05	2.32E-06
2841	437661	3724910	2.96E-04	6.44E-05	5.85E-05	8.09E-06	3.15E-04	3.75E-05	3.24E-05	2.74E-06
2842	437677.5	3724915	3.40E-04	7.38E-05	6.71E-05	9.27E-06	3.61E-04	4.30E-05	3.72E-05	3.14E-06
2843	437694.1	3724920	3.92E-04	8.51E-05	7.73E-05	1.07E-05	4.16E-04	4.96E-05	4.28E-05	3.62E-06
2844	437710.6	3724925	4.52E-04	9.82E-05	8.93E-05	1.23E-05	4.80E-04	5.72E-05	4.94E-05	4.18E-06
2845	437727.2	3724930	5.21E-04	1.13E-04	1.03E-04	1.42E-05	5.53E-04	6.60E-05	5.70E-05	4.82E-06
2846	437743.7	3724934	5.97E-04	1.30E-04	1.18E-04	1.63E-05	6.34E-04	7.56E-05	6.53E-05	5.52E-06
2847	437760.3	3724939	6.80E-04	1.48E-04	1.34E-04	1.85E-05	7.22E-04	8.61E-05	7.44E-05	6.29E-06
2848	437453.5	3724970	3.32E-04	7.21E-05	6.55E-05	9.05E-06	3.52E-04	4.20E-05	3.63E-05	3.07E-06
2849	437440.1	3724982	3.56E-04	7.74E-05	7.04E-05	9.72E-06	3.79E-04	4.51E-05	3.90E-05	3.30E-06
2850	437426.7	3724994	3.79E-04	8.23E-05	7.48E-05	1.03E-05	4.02E-04	4.80E-05	4.14E-05	3.50E-06
2851	437413.4	3725006	3.98E-04	8.64E-05	7.86E-05	1.09E-05	4.23E-04	5.04E-05	4.35E-05	3.68E-06
2852	437455	3724946	2.82E-04	6.12E-05	5.56E-05	7.68E-06	2.99E-04	3.56E-05	3.08E-05	2.60E-06

2853	437471.4	3724939	2.68E-04	5.82E-05	5.29E-05	7.31E-06	2.85E-04	3.39E-05	2.93E-05	2.48E-06
2854	437487.7	3724932	2.53E-04	5.51E-05	5.01E-05	6.92E-06	2.69E-04	3.21E-05	2.77E-05	2.34E-06
2855	437504.1	3724925	2.39E-04	5.19E-05	4.72E-05	6.52E-06	2.54E-04	3.03E-05	2.62E-05	2.21E-06
2856	437520.4	3724919	2.25E-04	4.90E-05	4.45E-05	6.15E-06	2.39E-04	2.85E-05	2.47E-05	2.09E-06
2857	437602.2	3724885	1.91E-04	4.15E-05	3.77E-05	5.21E-06	2.03E-04	2.42E-05	2.09E-05	1.76E-06
2858	437677.9	3724896	2.91E-04	6.32E-05	5.75E-05	7.94E-06	3.09E-04	3.68E-05	3.18E-05	2.69E-06
2859	437694.9	3724901	3.34E-04	7.26E-05	6.60E-05	9.12E-06	3.55E-04	4.23E-05	3.66E-05	3.09E-06
2860	437711.9	3724905	3.85E-04	8.37E-05	7.61E-05	1.05E-05	4.09E-04	4.88E-05	4.22E-05	3.56E-06
2861	437728.9	3724910	4.43E-04	9.63E-05	8.76E-05	1.21E-05	4.71E-04	5.61E-05	4.85E-05	4.10E-06
2862	437745.8	3724915	5.08E-04	1.10E-04	1.00E-04	1.39E-05	5.40E-04	6.43E-05	5.56E-05	4.70E-06
2863	437440.1	3724955	2.99E-04	6.49E-05	5.90E-05	8.15E-06	3.17E-04	3.78E-05	3.27E-05	2.76E-06
2864	437426.8	3724967	3.20E-04	6.95E-05	6.32E-05	8.72E-06	3.40E-04	4.05E-05	3.50E-05	2.96E-06
2865	437413.4	3724979	3.39E-04	7.36E-05	6.69E-05	9.24E-06	3.60E-04	4.29E-05	3.71E-05	3.13E-06
2866	437400.1	3724991	3.55E-04	7.72E-05	7.02E-05	9.69E-06	3.77E-04	4.50E-05	3.89E-05	3.29E-06
2867	437441.5	3724931	2.56E-04	5.56E-05	5.05E-05	6.98E-06	2.72E-04	3.24E-05	2.80E-05	2.37E-06
2868	437457.5	3724924	2.44E-04	5.30E-05	4.82E-05	6.66E-06	2.59E-04	3.09E-05	2.67E-05	2.26E-06
2869	437473.5	3724918	2.32E-04	5.03E-05	4.57E-05	6.32E-06	2.46E-04	2.93E-05	2.53E-05	2.14E-06
2870	437489.5	3724911	2.19E-04	4.76E-05	4.32E-05	5.97E-06	2.33E-04	2.77E-05	2.40E-05	2.02E-06
2871	437505.5	3724904	2.07E-04	4.49E-05	4.08E-05	5.64E-06	2.19E-04	2.62E-05	2.26E-05	1.91E-06
2872	437585.5	3724871	1.68E-04	3.65E-05	3.32E-05	4.59E-06	1.79E-04	2.13E-05	1.84E-05	1.56E-06
2873	437601.5	3724865	1.67E-04	3.63E-05	3.30E-05	4.56E-06	1.77E-04	2.12E-05	1.83E-05	1.54E-06
2874	437625.8	3724861	1.76E-04	3.82E-05	3.47E-05	4.79E-06	1.87E-04	2.23E-05	1.92E-05	1.63E-06
2875	437692.2	3724880	2.80E-04	6.08E-05	5.53E-05	7.64E-06	2.97E-04	3.55E-05	3.06E-05	2.59E-06
2876	437708.8	3724885	3.20E-04	6.95E-05	6.32E-05	8.72E-06	3.40E-04	4.05E-05	3.50E-05	2.96E-06
2877	437725.4	3724890	3.65E-04	7.94E-05	7.22E-05	9.97E-06	3.88E-04	4.63E-05	4.00E-05	3.38E-06
2878	437742	3724895	4.17E-04	9.05E-05	8.23E-05	1.14E-05	4.42E-04	5.27E-05	4.56E-05	3.85E-06
2879	437775.2	3724904	5.33E-04	1.16E-04	1.05E-04	1.45E-05	5.66E-04	6.75E-05	5.83E-05	4.93E-06
2880	437791.8	3724909	5.96E-04	1.29E-04	1.18E-04	1.63E-05	6.33E-04	7.55E-05	6.52E-05	5.51E-06
2881	437426.8	3724940	2.71E-04	5.88E-05	5.34E-05	7.38E-06	2.87E-04	3.43E-05	2.96E-05	2.50E-06
2882	437413.5	3724952	2.89E-04	6.27E-05	5.70E-05	7.88E-06	3.07E-04	3.65E-05	3.16E-05	2.67E-06
2883	437400.1	3724964	3.05E-04	6.63E-05	6.03E-05	8.32E-06	3.24E-04	3.86E-05	3.34E-05	2.82E-06
2884	437386.7	3724976	3.19E-04	6.94E-05	6.31E-05	8.71E-06	3.39E-04	4.04E-05	3.49E-05	2.95E-06
2885	437421.6	3724908	2.23E-04	4.85E-05	4.41E-05	6.09E-06	2.37E-04	2.83E-05	2.44E-05	2.07E-06
2886	437437.8	3724902	2.14E-04	4.64E-05	4.22E-05	5.83E-06	2.27E-04	2.70E-05	2.34E-05	1.98E-06
2887	437454	3724895	2.03E-04	4.41E-05	4.01E-05	5.54E-06	2.16E-04	2.57E-05	2.22E-05	1.88E-06
2888	437470.2	3724888	1.92E-04	4.17E-05	3.79E-05	5.24E-06	2.04E-04	2.43E-05	2.10E-05	1.78E-06
2889	437486.3	3724882	1.81E-04	3.94E-05	3.58E-05	4.95E-06	1.93E-04	2.29E-05	1.98E-05	1.68E-06
2890	437502.5	3724875	1.71E-04	3.71E-05	3.38E-05	4.66E-06	1.82E-04	2.16E-05	1.87E-05	1.58E-06
2891	437567.3	3724848	1.43E-04	3.10E-05	2.81E-05	3.89E-06	1.51E-04	1.80E-05	1.56E-05	1.32E-06
2892	437583.5	3724842	1.40E-04	3.04E-05	2.76E-05	3.81E-06	1.48E-04	1.77E-05	1.53E-05	1.29E-06
2893	437599.7	3724835	1.39E-04	3.01E-05	2.74E-05	3.78E-06	1.47E-04	1.76E-05	1.52E-05	1.28E-06
2894	437624.3	3724831	1.45E-04	3.15E-05	2.87E-05	3.96E-06	1.54E-04	1.84E-05	1.59E-05	1.34E-06
2895	437641.1	3724836	1.59E-04	3.46E-05	3.15E-05	4.35E-06	1.69E-04	2.02E-05	1.74E-05	1.47E-06
2896	437657.9	3724841	1.77E-04	3.84E-05	3.50E-05	4.83E-06	1.88E-04	2.24E-05	1.94E-05	1.64E-06
2897	437725.1	3724860	2.90E-04	6.29E-05	5.72E-05	7.90E-06	3.08E-04	3.67E-05	3.17E-05	2.68E-06
2898	437741.9	3724865	3.29E-04	7.15E-05	6.50E-05	8.97E-06	3.49E-04	4.16E-05	3.60E-05	3.04E-06
2899	437775.5	3724875	4.19E-04	9.10E-05	8.27E-05	1.14E-05	4.45E-04	5.30E-05	4.58E-05	3.87E-06
2900	437792.3	3724880	4.68E-04	1.02E-04	9.25E-05	1.28E-05	4.98E-04	5.93E-05	5.12E-05	4.33E-06
2901	437809.1	3724885	5.20E-04	1.13E-04	1.03E-04	1.42E-05	5.53E-04	6.59E-05	5.69E-05	4.81E-06
2902	437406.8	3724918	2.35E-04	5.12E-05	4.65E-05	6.42E-06	2.50E-04	2.98E-05	2.58E-05	2.18E-06
2903	437393.5	3724930	2.50E-04	5.44E-05	4.94E-05	6.83E-06	2.66E-04	3.17E-05	2.74E-05	2.31E-06
2904	437380.1	3724942	2.64E-04	5.73E-05	5.21E-05	7.19E-06	2.80E-04	3.34E-05	2.88E-05	2.44E-06
2905	437366.7	3724954	2.75E-04	5.98E-05	5.43E-05	7.51E-06	2.92E-04	3.48E-05	3.01E-05	2.54E-06
2906	437401.7	3724886	1.97E-04	4.28E-05	3.89E-05	5.38E-06	2.09E-04	2.50E-05	2.16E-05	1.82E-06
2907	437418	3724879	1.89E-04	4.10E-05	3.73E-05	5.15E-06	2.01E-04	2.39E-05	2.07E-05	1.75E-06
2908	437434.4	3724873	1.80E-04	3.91E-05	3.55E-05	4.91E-06	1.91E-04	2.28E-05	1.97E-05	1.66E-06

2909	437450.7	3724866	1.70E-04	3.70E-05	3.37E-05	4.65E-06	1.81E-04	2.16E-05	1.87E-05	1.58E-06
2910	437467.1	3724859	1.61E-04	3.50E-05	3.18E-05	4.39E-06	1.71E-04	2.04E-05	1.76E-05	1.49E-06
2911	437483.4	3724852	1.52E-04	3.30E-05	3.00E-05	4.14E-06	1.61E-04	1.92E-05	1.66E-05	1.40E-06
2912	437565.2	3724819	1.20E-04	2.61E-05	2.37E-05	3.27E-06	1.27E-04	1.52E-05	1.31E-05	1.11E-06
2913	437581.6	3724812	1.18E-04	2.56E-05	2.32E-05	3.21E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
2914	437597.9	3724805	1.17E-04	2.54E-05	2.30E-05	3.18E-06	1.24E-04	1.48E-05	1.28E-05	1.08E-06
2915	437622.7	3724801	1.22E-04	2.64E-05	2.40E-05	3.32E-06	1.29E-04	1.54E-05	1.33E-05	1.13E-06
2916	437639.7	3724806	1.33E-04	2.88E-05	2.62E-05	3.62E-06	1.41E-04	1.68E-05	1.45E-05	1.23E-06
2917	437656.7	3724811	1.46E-04	3.18E-05	2.89E-05	3.99E-06	1.55E-04	1.85E-05	1.60E-05	1.35E-06
2918	437673.7	3724816	1.63E-04	3.54E-05	3.22E-05	4.45E-06	1.73E-04	2.06E-05	1.78E-05	1.51E-06
2919	437690.7	3724821	1.83E-04	3.98E-05	3.61E-05	4.99E-06	1.94E-04	2.32E-05	2.00E-05	1.69E-06
2920	437792.5	3724850	3.74E-04	8.12E-05	7.38E-05	1.02E-05	3.97E-04	4.73E-05	4.09E-05	3.46E-06
2921	437809.5	3724855	4.15E-04	9.02E-05	8.20E-05	1.13E-05	4.41E-04	5.26E-05	4.54E-05	3.84E-06
2922	437826.5	3724860	4.58E-04	9.96E-05	9.05E-05	1.25E-05	4.87E-04	5.80E-05	5.01E-05	4.24E-06
2923	437386.8	3724895	2.07E-04	4.50E-05	4.09E-05	5.65E-06	2.20E-04	2.62E-05	2.27E-05	1.92E-06
2924	437373.5	3724907	2.19E-04	4.76E-05	4.33E-05	5.98E-06	2.33E-04	2.78E-05	2.40E-05	2.03E-06
2925	437360.1	3724919	2.30E-04	5.00E-05	4.55E-05	6.28E-06	2.44E-04	2.91E-05	2.52E-05	2.13E-06
2926	437346.7	3724931	2.40E-04	5.21E-05	4.74E-05	6.54E-06	2.55E-04	3.04E-05	2.62E-05	2.22E-06
2927	437381.8	3724864	1.76E-04	3.81E-05	3.47E-05	4.79E-06	1.86E-04	2.22E-05	1.92E-05	1.62E-06
2928	437398.3	3724857	1.69E-04	3.66E-05	3.33E-05	4.60E-06	1.79E-04	2.13E-05	1.84E-05	1.56E-06
2929	437414.7	3724850	1.61E-04	3.49E-05	3.18E-05	4.39E-06	1.71E-04	2.04E-05	1.76E-05	1.49E-06
2930	437431.2	3724843	1.53E-04	3.32E-05	3.02E-05	4.17E-06	1.62E-04	1.93E-05	1.67E-05	1.41E-06
2931	437447.7	3724836	1.44E-04	3.14E-05	2.85E-05	3.94E-06	1.53E-04	1.83E-05	1.58E-05	1.34E-06
2932	437464.2	3724830	1.36E-04	2.96E-05	2.69E-05	3.72E-06	1.45E-04	1.73E-05	1.49E-05	1.26E-06
2933	437546.7	3724796	1.05E-04	2.29E-05	2.08E-05	2.88E-06	1.12E-04	1.33E-05	1.15E-05	9.75E-07
2934	437563.2	3724789	1.02E-04	2.22E-05	2.02E-05	2.79E-06	1.09E-04	1.30E-05	1.12E-05	9.46E-07
2935	437579.7	3724782	1.00E-04	2.18E-05	1.98E-05	2.74E-06	1.07E-04	1.27E-05	1.10E-05	9.28E-07
2936	437596.2	3724775	9.95E-05	2.16E-05	1.96E-05	2.71E-06	1.06E-04	1.26E-05	1.09E-05	9.20E-07
2937	437621.2	3724771	1.03E-04	2.24E-05	2.04E-05	2.82E-06	1.10E-04	1.31E-05	1.13E-05	9.55E-07
2938	437638.3	3724776	1.12E-04	2.43E-05	2.21E-05	3.05E-06	1.19E-04	1.42E-05	1.22E-05	1.03E-06
2939	437655.5	3724781	1.22E-04	2.66E-05	2.42E-05	3.34E-06	1.30E-04	1.55E-05	1.34E-05	1.13E-06
2940	437672.6	3724786	1.35E-04	2.94E-05	2.67E-05	3.69E-06	1.44E-04	1.71E-05	1.48E-05	1.25E-06
2941	437689.7	3724791	1.51E-04	3.28E-05	2.98E-05	4.12E-06	1.60E-04	1.91E-05	1.65E-05	1.40E-06
2942	437706.8	3724796	1.69E-04	3.68E-05	3.34E-05	4.62E-06	1.80E-04	2.14E-05	1.85E-05	1.57E-06
2943	437366.8	3724873	1.84E-04	3.99E-05	3.63E-05	5.02E-06	1.95E-04	2.33E-05	2.01E-05	1.70E-06
2944	437353.5	3724885	1.94E-04	4.21E-05	3.83E-05	5.29E-06	2.06E-04	2.45E-05	2.12E-05	1.79E-06
2945	437340.1	3724897	2.03E-04	4.41E-05	4.01E-05	5.54E-06	2.16E-04	2.57E-05	2.22E-05	1.88E-06
2946	437361.6	3724841	1.58E-04	3.42E-05	3.11E-05	4.30E-06	1.67E-04	2.00E-05	1.72E-05	1.46E-06
2947	437377.7	3724835	1.52E-04	3.30E-05	3.00E-05	4.14E-06	1.61E-04	1.92E-05	1.66E-05	1.40E-06
2948	437393.8	3724828	1.46E-04	3.16E-05	2.87E-05	3.97E-06	1.55E-04	1.84E-05	1.59E-05	1.35E-06
2949	437409.9	3724821	1.39E-04	3.02E-05	2.74E-05	3.79E-06	1.47E-04	1.76E-05	1.52E-05	1.28E-06
2950	437426	3724815	1.32E-04	2.86E-05	2.60E-05	3.60E-06	1.40E-04	1.67E-05	1.44E-05	1.22E-06
2951	437442	3724808	1.25E-04	2.71E-05	2.46E-05	3.40E-06	1.33E-04	1.58E-05	1.36E-05	1.15E-06
2952	437538.6	3724768	9.19E-05	2.00E-05	1.81E-05	2.51E-06	9.76E-05	1.16E-05	1.01E-05	8.50E-07
2953	437554.7	3724762	8.91E-05	1.94E-05	1.76E-05	2.43E-06	9.46E-05	1.13E-05	9.74E-06	8.24E-07
2954	437570.8	3724755	8.71E-05	1.89E-05	1.72E-05	2.38E-06	9.25E-05	1.10E-05	9.53E-06	8.06E-07
2955	437586.9	3724748	8.60E-05	1.87E-05	1.70E-05	2.35E-06	9.13E-05	1.09E-05	9.41E-06	7.95E-07
2956	437603	3724742	8.57E-05	1.86E-05	1.69E-05	2.34E-06	9.10E-05	1.09E-05	9.38E-06	7.93E-07
2957	437619.4	3724741	8.86E-05	1.92E-05	1.75E-05	2.42E-06	9.41E-05	1.12E-05	9.69E-06	8.19E-07
2958	437636.1	3724746	9.34E-05	2.03E-05	1.84E-05	2.55E-06	9.92E-05	1.18E-05	1.02E-05	8.64E-07
2959	437652.8	3724751	9.93E-05	2.16E-05	1.96E-05	2.71E-06	1.05E-04	1.26E-05	1.09E-05	9.18E-07
2960	437669.5	3724755	1.07E-04	2.33E-05	2.12E-05	2.93E-06	1.14E-04	1.36E-05	1.18E-05	9.94E-07
2961	437686.3	3724760	1.17E-04	2.55E-05	2.32E-05	3.20E-06	1.25E-04	1.48E-05	1.28E-05	1.08E-06
2962	437703	3724765	1.29E-04	2.81E-05	2.55E-05	3.52E-06	1.37E-04	1.64E-05	1.41E-05	1.19E-06
2963	437753.1	3724780	1.92E-04	4.17E-05	3.79E-05	5.23E-06	2.04E-04	2.43E-05	2.10E-05	1.77E-06
2964	437769.8	3724785	2.15E-04	4.66E-05	4.24E-05	5.85E-06	2.28E-04	2.72E-05	2.35E-05	1.98E-06

2965	437786.5	3724790	2.39E-04	5.19E-05	4.71E-05	6.51E-06	2.54E-04	3.02E-05	2.61E-05	2.21E-06
2966	437803.2	3724795	2.64E-04	5.74E-05	5.22E-05	7.21E-06	2.81E-04	3.35E-05	2.89E-05	2.45E-06
2967	437820	3724800	2.92E-04	6.33E-05	5.76E-05	7.95E-06	3.10E-04	3.69E-05	3.19E-05	2.70E-06
2968	437836.7	3724804	3.20E-04	6.95E-05	6.32E-05	8.72E-06	3.40E-04	4.05E-05	3.50E-05	2.96E-06
2969	437853.4	3724809	3.49E-04	7.58E-05	6.89E-05	9.51E-06	3.70E-04	4.41E-05	3.81E-05	3.22E-06
2970	437870.1	3724814	3.78E-04	8.21E-05	7.46E-05	1.03E-05	4.01E-04	4.79E-05	4.13E-05	3.50E-06
2971	437346.8	3724851	1.65E-04	3.58E-05	3.25E-05	4.49E-06	1.75E-04	2.08E-05	1.80E-05	1.52E-06
2972	437333.5	3724863	1.73E-04	3.76E-05	3.42E-05	4.72E-06	1.84E-04	2.19E-05	1.89E-05	1.60E-06
2973	437341.6	3724819	1.42E-04	3.09E-05	2.81E-05	3.89E-06	1.51E-04	1.80E-05	1.56E-05	1.32E-06
2974	437357.9	3724812	1.38E-04	2.99E-05	2.72E-05	3.75E-06	1.46E-04	1.74E-05	1.50E-05	1.27E-06
2975	437374.1	3724806	1.32E-04	2.87E-05	2.61E-05	3.60E-06	1.40E-04	1.67E-05	1.44E-05	1.22E-06
2976	437471.5	3724765	9.63E-05	2.09E-05	1.90E-05	2.63E-06	1.02E-04	1.22E-05	1.05E-05	8.90E-07
2977	437487.7	3724759	9.12E-05	1.98E-05	1.80E-05	2.49E-06	9.69E-05	1.15E-05	9.98E-06	8.44E-07
2978	437504	3724752	8.67E-05	1.88E-05	1.71E-05	2.37E-06	9.21E-05	1.10E-05	9.49E-06	8.02E-07
2979	437520.2	3724745	8.29E-05	1.80E-05	1.64E-05	2.26E-06	8.81E-05	1.05E-05	9.07E-06	7.67E-07
2980	437536.4	3724739	7.99E-05	1.74E-05	1.58E-05	2.18E-06	8.48E-05	1.01E-05	8.74E-06	7.39E-07
2981	437552.6	3724732	7.75E-05	1.68E-05	1.53E-05	2.12E-06	8.24E-05	9.82E-06	8.48E-06	7.17E-07
2982	437568.9	3724725	7.59E-05	1.65E-05	1.50E-05	2.07E-06	8.06E-05	9.61E-06	8.30E-06	7.02E-07
2983	437585.1	3724718	7.50E-05	1.63E-05	1.48E-05	2.05E-06	7.96E-05	9.49E-06	8.20E-06	6.93E-07
2984	437601.3	3724712	7.47E-05	1.62E-05	1.47E-05	2.04E-06	7.93E-05	9.45E-06	8.17E-06	6.91E-07
2985	437617.9	3724711	7.53E-05	1.64E-05	1.49E-05	2.06E-06	8.00E-05	9.54E-06	8.24E-06	6.97E-07
2986	437634.7	3724716	7.76E-05	1.69E-05	1.53E-05	2.12E-06	8.25E-05	9.83E-06	8.49E-06	7.18E-07
2987	437651.6	3724721	8.14E-05	1.77E-05	1.61E-05	2.22E-06	8.65E-05	1.03E-05	8.91E-06	7.53E-07
2988	437668.4	3724726	8.70E-05	1.89E-05	1.72E-05	2.37E-06	9.24E-05	1.10E-05	9.51E-06	8.04E-07
2989	437735.9	3724745	1.30E-04	2.82E-05	2.57E-05	3.55E-06	1.38E-04	1.65E-05	1.42E-05	1.20E-06
2990	437752.7	3724750	1.46E-04	3.17E-05	2.88E-05	3.98E-06	1.55E-04	1.85E-05	1.60E-05	1.35E-06
2991	437769.6	3724755	1.62E-04	3.51E-05	3.19E-05	4.41E-06	1.72E-04	2.05E-05	1.77E-05	1.49E-06
2992	437786.4	3724760	1.85E-04	4.02E-05	3.66E-05	5.05E-06	1.97E-04	2.35E-05	2.03E-05	1.71E-06
2993	437803.3	3724765	2.13E-04	4.63E-05	4.21E-05	5.82E-06	2.27E-04	2.70E-05	2.33E-05	1.97E-06
2994	437820.1	3724770	2.40E-04	5.22E-05	4.74E-05	6.55E-06	2.55E-04	3.04E-05	2.63E-05	2.22E-06
2995	437853.8	3724780	2.88E-04	6.26E-05	5.69E-05	7.86E-06	3.06E-04	3.65E-05	3.15E-05	2.67E-06
2996	437870.7	3724785	3.13E-04	6.80E-05	6.18E-05	8.54E-06	3.32E-04	3.96E-05	3.42E-05	2.89E-06
2997	437887.5	3724790	3.38E-04	7.34E-05	6.67E-05	9.22E-06	3.59E-04	4.28E-05	3.70E-05	3.12E-06
2998	437326.8	3724828	1.48E-04	3.23E-05	2.93E-05	4.05E-06	1.58E-04	1.88E-05	1.62E-05	1.37E-06
2999	437313.5	3724840	1.56E-04	3.38E-05	3.07E-05	4.25E-06	1.65E-04	1.97E-05	1.70E-05	1.44E-06
3000	437321.7	3724797	1.30E-04	2.82E-05	2.56E-05	3.54E-06	1.38E-04	1.64E-05	1.42E-05	1.20E-06
3001	437338.1	3724790	1.25E-04	2.72E-05	2.48E-05	3.42E-06	1.33E-04	1.59E-05	1.37E-05	1.16E-06
3002	437436.2	3724749	9.37E-05	2.04E-05	1.85E-05	2.56E-06	9.96E-05	1.19E-05	1.03E-05	8.67E-07
3003	437452.5	3724743	8.86E-05	1.93E-05	1.75E-05	2.42E-06	9.41E-05	1.12E-05	9.70E-06	8.20E-07
3004	437468.9	3724736	8.39E-05	1.82E-05	1.66E-05	2.29E-06	8.91E-05	1.06E-05	9.17E-06	7.76E-07
3005	437485.2	3724729	7.96E-05	1.73E-05	1.57E-05	2.17E-06	8.46E-05	1.01E-05	8.71E-06	7.36E-07
3006	437501.6	3724722	7.58E-05	1.65E-05	1.50E-05	2.07E-06	8.06E-05	9.60E-06	8.30E-06	7.01E-07
3007	437517.9	3724716	7.27E-05	1.58E-05	1.44E-05	1.98E-06	7.72E-05	9.20E-06	7.95E-06	6.72E-07
3008	437534.3	3724709	7.01E-05	1.52E-05	1.38E-05	1.91E-06	7.45E-05	8.88E-06	7.67E-06	6.48E-07
3009	437550.6	3724702	6.81E-05	1.48E-05	1.35E-05	1.86E-06	7.24E-05	8.63E-06	7.45E-06	6.30E-07
3010	437567	3724695	6.68E-05	1.45E-05	1.32E-05	1.82E-06	7.09E-05	8.46E-06	7.31E-06	6.18E-07
3011	437583.3	3724689	6.60E-05	1.43E-05	1.30E-05	1.80E-06	7.01E-05	8.35E-06	7.22E-06	6.10E-07
3012	437599.7	3724682	6.55E-05	1.42E-05	1.29E-05	1.79E-06	6.96E-05	8.30E-06	7.17E-06	6.06E-07
3013	437616.4	3724681	6.49E-05	1.41E-05	1.28E-05	1.77E-06	6.89E-05	8.22E-06	7.10E-06	6.00E-07
3014	437684.3	3724701	7.85E-05	1.70E-05	1.55E-05	2.14E-06	8.33E-05	9.93E-06	8.58E-06	7.26E-07
3015	437701.2	3724706	8.57E-05	1.86E-05	1.69E-05	2.34E-06	9.10E-05	1.08E-05	9.37E-06	7.92E-07
3016	437718.2	3724711	9.43E-05	2.05E-05	1.86E-05	2.57E-06	1.00E-04	1.19E-05	1.03E-05	8.72E-07
3017	437735.2	3724716	1.04E-04	2.26E-05	2.06E-05	2.84E-06	1.11E-04	1.32E-05	1.14E-05	9.64E-07
3018	437752.2	3724721	1.17E-04	2.55E-05	2.32E-05	3.20E-06	1.25E-04	1.49E-05	1.28E-05	1.09E-06
3019	437769.1	3724726	1.32E-04	2.88E-05	2.62E-05	3.61E-06	1.41E-04	1.68E-05	1.45E-05	1.22E-06
3020	437786.1	3724731	1.50E-04	3.25E-05	2.96E-05	4.08E-06	1.59E-04	1.90E-05	1.64E-05	1.38E-06

3021	437871	3724755	2.61E-04	5.67E-05	5.15E-05	7.12E-06	2.77E-04	3.30E-05	2.85E-05	2.41E-06
3022	437888	3724760	2.82E-04	6.13E-05	5.58E-05	7.70E-06	3.00E-04	3.57E-05	3.09E-05	2.61E-06
3023	437905	3724765	3.04E-04	6.59E-05	6.00E-05	8.28E-06	3.22E-04	3.84E-05	3.32E-05	2.81E-06
3024	437306.8	3724806	1.35E-04	2.93E-05	2.66E-05	3.68E-06	1.43E-04	1.71E-05	1.48E-05	1.25E-06
3025	437301.8	3724774	1.19E-04	2.58E-05	2.35E-05	3.24E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
3026	437400.5	3724733	9.16E-05	1.99E-05	1.81E-05	2.50E-06	9.73E-05	1.16E-05	1.00E-05	8.48E-07
3027	437417	3724727	8.68E-05	1.89E-05	1.71E-05	2.37E-06	9.22E-05	1.10E-05	9.50E-06	8.03E-07
3028	437433.4	3724720	8.22E-05	1.78E-05	1.62E-05	2.24E-06	8.73E-05	1.04E-05	8.99E-06	7.60E-07
3029	437449.9	3724713	7.78E-05	1.69E-05	1.54E-05	2.12E-06	8.26E-05	9.85E-06	8.51E-06	7.19E-07
3030	437466.4	3724706	7.37E-05	1.60E-05	1.46E-05	2.01E-06	7.83E-05	9.33E-06	8.06E-06	6.82E-07
3031	437482.8	3724699	7.01E-05	1.52E-05	1.38E-05	1.91E-06	7.45E-05	8.88E-06	7.67E-06	6.48E-07
3032	437499.3	3724693	6.69E-05	1.45E-05	1.32E-05	1.82E-06	7.10E-05	8.47E-06	7.32E-06	6.19E-07
3033	437515.7	3724686	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.94E-07
3034	437532.2	3724679	6.21E-05	1.35E-05	1.23E-05	1.69E-06	6.59E-05	7.86E-06	6.79E-06	5.74E-07
3035	437548.7	3724672	6.04E-05	1.31E-05	1.19E-05	1.65E-06	6.42E-05	7.65E-06	6.61E-06	5.59E-07
3036	437565.1	3724665	5.92E-05	1.29E-05	1.17E-05	1.62E-06	6.29E-05	7.50E-06	6.48E-06	5.48E-07
3037	437581.6	3724659	5.85E-05	1.27E-05	1.16E-05	1.60E-06	6.22E-05	7.41E-06	6.40E-06	5.41E-07
3038	437598	3724652	5.66E-05	1.23E-05	1.12E-05	1.54E-06	6.01E-05	7.16E-06	6.19E-06	5.23E-07
3039	437649	3724661	5.97E-05	1.30E-05	1.18E-05	1.63E-06	6.34E-05	7.56E-06	6.53E-06	5.52E-07
3040	437666.1	3724666	6.36E-05	1.38E-05	1.26E-05	1.74E-06	6.76E-05	8.06E-06	6.96E-06	5.88E-07
3041	437683.2	3724671	6.81E-05	1.48E-05	1.34E-05	1.86E-06	7.23E-05	8.62E-06	7.44E-06	6.29E-07
3042	437700.3	3724676	7.30E-05	1.59E-05	1.44E-05	1.99E-06	7.76E-05	9.25E-06	7.99E-06	6.75E-07
3043	437717.3	3724681	7.97E-05	1.73E-05	1.57E-05	2.18E-06	8.47E-05	1.01E-05	8.72E-06	7.37E-07
3044	437734.4	3724686	8.79E-05	1.91E-05	1.74E-05	2.40E-06	9.34E-05	1.11E-05	9.62E-06	8.13E-07
3045	437751.5	3724691	9.84E-05	2.14E-05	1.94E-05	2.68E-06	1.04E-04	1.25E-05	1.08E-05	9.10E-07
3046	437888.2	3724731	2.38E-04	5.16E-05	4.69E-05	6.48E-06	2.52E-04	3.01E-05	2.60E-05	2.20E-06
3047	437905.3	3724736	2.56E-04	5.56E-05	5.05E-05	6.98E-06	2.72E-04	3.24E-05	2.80E-05	2.37E-06
3048	437922.4	3724741	2.74E-04	5.96E-05	5.42E-05	7.48E-06	2.91E-04	3.47E-05	3.00E-05	2.54E-06
3049	437381.2	3724711	8.52E-05	1.85E-05	1.68E-05	2.33E-06	9.05E-05	1.08E-05	9.32E-06	7.88E-07
3050	437397.7	3724704	8.09E-05	1.76E-05	1.60E-05	2.21E-06	8.59E-05	1.02E-05	8.85E-06	7.48E-07
3051	437414.3	3724697	7.66E-05	1.66E-05	1.51E-05	2.09E-06	8.14E-05	9.70E-06	8.38E-06	7.09E-07
3052	437430.8	3724690	7.26E-05	1.58E-05	1.43E-05	1.98E-06	7.71E-05	9.19E-06	7.94E-06	6.71E-07
3053	437447.4	3724683	6.87E-05	1.49E-05	1.36E-05	1.88E-06	7.30E-05	8.70E-06	7.52E-06	6.36E-07
3054	437463.9	3724677	6.53E-05	1.42E-05	1.29E-05	1.78E-06	6.93E-05	8.27E-06	7.14E-06	6.04E-07
3055	437480.5	3724670	6.22E-05	1.35E-05	1.23E-05	1.70E-06	6.60E-05	7.87E-06	6.80E-06	5.75E-07
3056	437497.1	3724663	5.95E-05	1.29E-05	1.17E-05	1.62E-06	6.32E-05	7.53E-06	6.51E-06	5.50E-07
3057	437513.6	3724656	5.72E-05	1.24E-05	1.13E-05	1.56E-06	6.08E-05	7.24E-06	6.26E-06	5.29E-07
3058	437530.2	3724649	5.54E-05	1.20E-05	1.09E-05	1.51E-06	5.88E-05	7.02E-06	6.06E-06	5.12E-07
3059	437699.2	3724646	6.50E-05	1.41E-05	1.28E-05	1.77E-06	6.90E-05	8.23E-06	7.11E-06	6.01E-07
3060	437716.4	3724651	7.06E-05	1.53E-05	1.39E-05	1.93E-06	7.50E-05	8.94E-06	7.73E-06	6.53E-07
3061	437785.2	3724671	1.11E-04	2.40E-05	2.18E-05	3.02E-06	1.17E-04	1.40E-05	1.21E-05	1.02E-06
3062	437793.7	3724674	1.18E-04	2.56E-05	2.32E-05	3.21E-06	1.25E-04	1.49E-05	1.29E-05	1.09E-06
3063	437810.9	3724679	1.33E-04	2.89E-05	2.63E-05	3.63E-06	1.41E-04	1.68E-05	1.45E-05	1.23E-06
3064	437828.1	3724684	1.51E-04	3.27E-05	2.98E-05	4.11E-06	1.60E-04	1.91E-05	1.65E-05	1.39E-06
3065	437845.3	3724689	1.65E-04	3.57E-05	3.25E-05	4.49E-06	1.75E-04	2.08E-05	1.80E-05	1.52E-06
3066	437862.5	3724694	1.79E-04	3.89E-05	3.54E-05	4.89E-06	1.90E-04	2.27E-05	1.96E-05	1.66E-06
3067	437879.7	3724699	1.94E-04	4.21E-05	3.83E-05	5.29E-06	2.06E-04	2.46E-05	2.12E-05	1.79E-06
3068	437914.1	3724709	2.20E-04	4.79E-05	4.35E-05	6.02E-06	2.34E-04	2.79E-05	2.41E-05	2.04E-06
3069	437931.3	3724714	2.33E-04	5.06E-05	4.60E-05	6.36E-06	2.47E-04	2.95E-05	2.55E-05	2.15E-06
3070	437359.2	3724689	8.03E-05	1.74E-05	1.59E-05	2.19E-06	8.53E-05	1.02E-05	8.78E-06	7.42E-07
3071	437375.5	3724682	7.64E-05	1.66E-05	1.51E-05	2.08E-06	8.12E-05	9.68E-06	8.36E-06	7.07E-07
3072	437391.7	3724676	7.26E-05	1.58E-05	1.43E-05	1.98E-06	7.71E-05	9.19E-06	7.94E-06	6.71E-07
3073	437408	3724669	6.89E-05	1.50E-05	1.36E-05	1.88E-06	7.32E-05	8.72E-06	7.53E-06	6.37E-07
3074	437424.2	3724662	6.54E-05	1.42E-05	1.29E-05	1.78E-06	6.94E-05	8.28E-06	7.15E-06	6.05E-07
3075	437440.5	3724656	6.21E-05	1.35E-05	1.23E-05	1.69E-06	6.59E-05	7.86E-06	6.79E-06	5.74E-07
3076	437780.3	3724640	9.35E-05	2.03E-05	1.85E-05	2.55E-06	9.94E-05	1.18E-05	1.02E-05	8.65E-07

3077	437797.2	3724645	1.05E-04	2.28E-05	2.08E-05	2.87E-06	1.12E-04	1.33E-05	1.15E-05	9.72E-07
3078	437814	3724650	1.18E-04	2.57E-05	2.33E-05	3.22E-06	1.25E-04	1.50E-05	1.29E-05	1.09E-06
3079	437830.9	3724655	1.31E-04	2.86E-05	2.60E-05	3.59E-06	1.40E-04	1.66E-05	1.44E-05	1.22E-06
3080	437847.8	3724660	1.43E-04	3.10E-05	2.82E-05	3.90E-06	1.52E-04	1.81E-05	1.56E-05	1.32E-06
3081	437864.7	3724665	1.54E-04	3.34E-05	3.03E-05	4.19E-06	1.63E-04	1.95E-05	1.68E-05	1.42E-06
3082	437881.6	3724670	1.64E-04	3.56E-05	3.23E-05	4.47E-06	1.74E-04	2.07E-05	1.79E-05	1.51E-06
3083	437898.4	3724675	1.74E-04	3.79E-05	3.44E-05	4.75E-06	1.85E-04	2.21E-05	1.91E-05	1.61E-06
3084	437290.8	3724687	8.56E-05	1.86E-05	1.69E-05	2.33E-06	9.09E-05	1.08E-05	9.36E-06	7.91E-07
3085	437307.1	3724680	8.23E-05	1.79E-05	1.63E-05	2.25E-06	8.74E-05	1.04E-05	9.00E-06	7.61E-07
3086	437323.5	3724673	7.89E-05	1.71E-05	1.56E-05	2.15E-06	8.38E-05	9.99E-06	8.63E-06	7.30E-07
3087	437339.8	3724667	7.53E-05	1.64E-05	1.49E-05	2.06E-06	8.00E-05	9.54E-06	8.24E-06	6.97E-07
3088	437356.2	3724660	7.18E-05	1.56E-05	1.42E-05	1.96E-06	7.63E-05	9.09E-06	7.85E-06	6.64E-07
3089	437372.5	3724653	6.83E-05	1.48E-05	1.35E-05	1.86E-06	7.25E-05	8.65E-06	7.47E-06	6.32E-07
3090	437881.6	3724641	1.39E-04	3.02E-05	2.74E-05	3.79E-06	1.47E-04	1.76E-05	1.52E-05	1.28E-06
3091	437264.1	3724657	7.87E-05	1.71E-05	1.55E-05	2.15E-06	8.36E-05	9.97E-06	8.61E-06	7.28E-07
3092	437280.5	3724650	7.58E-05	1.65E-05	1.50E-05	2.07E-06	8.06E-05	9.60E-06	8.30E-06	7.01E-07
3093	437296.8	3724644	7.29E-05	1.58E-05	1.44E-05	1.99E-06	7.74E-05	9.23E-06	7.97E-06	6.74E-07
3094	437313.2	3724637	6.98E-05	1.52E-05	1.38E-05	1.90E-06	7.41E-05	8.84E-06	7.64E-06	6.46E-07
3095	437329.5	3724630	6.67E-05	1.45E-05	1.32E-05	1.82E-06	7.08E-05	8.44E-06	7.30E-06	6.17E-07
3096	437345.9	3724623	6.36E-05	1.38E-05	1.26E-05	1.73E-06	6.75E-05	8.05E-06	6.95E-06	5.88E-07
3097	437160.1	3724722	9.76E-05	2.12E-05	1.93E-05	2.66E-06	1.04E-04	1.24E-05	1.07E-05	9.03E-07
3098	437253.8	3724620	7.02E-05	1.53E-05	1.39E-05	1.92E-06	7.46E-05	8.89E-06	7.68E-06	6.50E-07
3099	437270.2	3724614	6.77E-05	1.47E-05	1.34E-05	1.85E-06	7.19E-05	8.57E-06	7.40E-06	6.26E-07
3100	437286.5	3724607	6.50E-05	1.41E-05	1.28E-05	1.77E-06	6.90E-05	8.23E-06	7.11E-06	6.01E-07
3101	437302.9	3724600	6.22E-05	1.35E-05	1.23E-05	1.70E-06	6.61E-05	7.88E-06	6.81E-06	5.75E-07
3102	437319.2	3724593	5.95E-05	1.29E-05	1.17E-05	1.62E-06	6.32E-05	7.53E-06	6.51E-06	5.50E-07
3103	437133.5	3724693	8.92E-05	1.94E-05	1.76E-05	2.43E-06	9.47E-05	1.13E-05	9.75E-06	8.25E-07
3104	437120.2	3724651	8.00E-05	1.74E-05	1.58E-05	2.18E-06	8.49E-05	1.01E-05	8.75E-06	7.40E-07
3105	437106.8	3724663	8.19E-05	1.78E-05	1.62E-05	2.23E-06	8.70E-05	1.04E-05	8.96E-06	7.57E-07
3106	437106.9	3724609	7.21E-05	1.57E-05	1.42E-05	1.97E-06	7.66E-05	9.13E-06	7.89E-06	6.67E-07
3107	437093.5	3724621	7.40E-05	1.61E-05	1.46E-05	2.02E-06	7.86E-05	9.37E-06	8.10E-06	6.85E-07
3108	437080.1	3724633	7.57E-05	1.65E-05	1.50E-05	2.07E-06	8.04E-05	9.59E-06	8.28E-06	7.00E-07
3109	437080.2	3724579	6.71E-05	1.46E-05	1.33E-05	1.83E-06	7.13E-05	8.50E-06	7.34E-06	6.21E-07
3110	437066.9	3724591	6.88E-05	1.50E-05	1.36E-05	1.88E-06	7.31E-05	8.72E-06	7.53E-06	6.37E-07
3111	437053.5	3724603	7.04E-05	1.53E-05	1.39E-05	1.92E-06	7.48E-05	8.92E-06	7.70E-06	6.51E-07
3112	437000.2	3724544	6.17E-05	1.34E-05	1.22E-05	1.68E-06	6.56E-05	7.82E-06	6.75E-06	5.71E-07
3113	436986.9	3724502	5.72E-05	1.24E-05	1.13E-05	1.56E-06	6.07E-05	7.24E-06	6.25E-06	5.29E-07
3114	436973.5	3724514	5.84E-05	1.27E-05	1.15E-05	1.59E-06	6.20E-05	7.39E-06	6.39E-06	5.40E-07
3115	436986.9	3724448	5.16E-05	1.12E-05	1.02E-05	1.41E-06	5.48E-05	6.53E-06	5.64E-06	4.77E-07
3116	436973.6	3724460	5.28E-05	1.15E-05	1.04E-05	1.44E-06	5.61E-05	6.68E-06	5.77E-06	4.88E-07
3117	436960.2	3724472	5.40E-05	1.17E-05	1.07E-05	1.47E-06	5.74E-05	6.84E-06	5.91E-06	4.99E-07
3118	436946.9	3724484	5.51E-05	1.20E-05	1.09E-05	1.50E-06	5.85E-05	6.98E-06	6.03E-06	5.10E-07
3119	436975.1	3724409	4.80E-05	1.04E-05	9.48E-06	1.31E-06	5.10E-05	6.08E-06	5.25E-06	4.44E-07
3120	436960.3	3724418	4.90E-05	1.07E-05	9.68E-06	1.34E-06	5.21E-05	6.21E-06	5.36E-06	4.54E-07
3121	436946.9	3724430	5.02E-05	1.09E-05	9.91E-06	1.37E-06	5.33E-05	6.36E-06	5.49E-06	4.64E-07
3122	436933.6	3724442	5.12E-05	1.11E-05	1.01E-05	1.40E-06	5.44E-05	6.49E-06	5.60E-06	4.74E-07
3123	436920.2	3724454	5.22E-05	1.13E-05	1.03E-05	1.42E-06	5.54E-05	6.61E-06	5.71E-06	4.83E-07
3124	437537.8	3725190	3.75E-03	8.14E-04	7.40E-04	1.02E-04	3.98E-03	4.74E-04	4.10E-04	3.47E-05
3125	437530.5	3725196	3.69E-03	8.01E-04	7.28E-04	1.01E-04	3.92E-03	4.67E-04	4.03E-04	3.41E-05
3126	437523.1	3725203	3.59E-03	7.79E-04	7.08E-04	9.79E-05	3.81E-03	4.54E-04	3.92E-04	3.32E-05
3127	437538.5	3725176	3.11E-03	6.75E-04	6.13E-04	8.47E-05	3.30E-03	3.93E-04	3.40E-04	2.87E-05
3128	437531.1	3725182	3.11E-03	6.76E-04	6.14E-04	8.49E-05	3.30E-03	3.94E-04	3.40E-04	2.88E-05
3129	437523.8	3725189	3.08E-03	6.69E-04	6.09E-04	8.41E-05	3.27E-03	3.90E-04	3.37E-04	2.85E-05
3130	437516.5	3725196	3.02E-03	6.55E-04	5.96E-04	8.23E-05	3.20E-03	3.82E-04	3.30E-04	2.79E-05
3131	437531.8	3725168	2.63E-03	5.71E-04	5.19E-04	7.17E-05	2.79E-03	3.33E-04	2.87E-04	2.43E-05
3132	437524.4	3725175	2.64E-03	5.73E-04	5.21E-04	7.19E-05	2.80E-03	3.34E-04	2.88E-04	2.44E-05

3133	437517.1	3725182	2.62E-03	5.69E-04	5.18E-04	7.15E-05	2.78E-03	3.32E-04	2.87E-04	2.42E-05
3134	437509.8	3725188	2.58E-03	5.60E-04	5.09E-04	7.03E-05	2.74E-03	3.26E-04	2.82E-04	2.38E-05
3135	437525.1	3725161	2.26E-03	4.90E-04	4.45E-04	6.15E-05	2.40E-03	2.86E-04	2.47E-04	2.09E-05
3136	437517.7	3725167	2.27E-03	4.93E-04	4.48E-04	6.19E-05	2.41E-03	2.87E-04	2.48E-04	2.10E-05
3137	437510.4	3725174	2.26E-03	4.91E-04	4.47E-04	6.17E-05	2.40E-03	2.86E-04	2.47E-04	2.09E-05
3138	437503.1	3725181	2.23E-03	4.85E-04	4.41E-04	6.09E-05	2.37E-03	2.83E-04	2.44E-04	2.06E-05
3139	437518.4	3725153	1.96E-03	4.26E-04	3.87E-04	5.35E-05	2.08E-03	2.48E-04	2.14E-04	1.81E-05
3140	437511	3725160	1.98E-03	4.29E-04	3.90E-04	5.39E-05	2.10E-03	2.50E-04	2.16E-04	1.83E-05
3141	437503.7	3725167	1.97E-03	4.29E-04	3.90E-04	5.39E-05	2.10E-03	2.50E-04	2.16E-04	1.83E-05
3142	437496.4	3725173	1.96E-03	4.25E-04	3.86E-04	5.34E-05	2.08E-03	2.48E-04	2.14E-04	1.81E-05
3143	437489	3725180	1.92E-03	4.18E-04	3.80E-04	5.24E-05	2.04E-03	2.43E-04	2.10E-04	1.78E-05
3144	437519	3725139	1.69E-03	3.67E-04	3.34E-04	4.61E-05	1.80E-03	2.14E-04	1.85E-04	1.56E-05
3145	437511.7	3725146	1.72E-03	3.74E-04	3.40E-04	4.70E-05	1.83E-03	2.18E-04	1.88E-04	1.59E-05
3146	437504.3	3725153	1.74E-03	3.78E-04	3.43E-04	4.74E-05	1.85E-03	2.20E-04	1.90E-04	1.61E-05
3147	437497	3725159	1.74E-03	3.78E-04	3.44E-04	4.75E-05	1.85E-03	2.20E-04	1.90E-04	1.61E-05
3148	437489.7	3725166	1.73E-03	3.76E-04	3.41E-04	4.72E-05	1.84E-03	2.19E-04	1.89E-04	1.60E-05
3149	437482.3	3725173	1.70E-03	3.70E-04	3.37E-04	4.65E-05	1.81E-03	2.16E-04	1.86E-04	1.58E-05
3150	437512.3	3725132	1.50E-03	3.25E-04	2.96E-04	4.09E-05	1.59E-03	1.90E-04	1.64E-04	1.39E-05
3151	437505	3725139	1.53E-03	3.31E-04	3.01E-04	4.16E-05	1.62E-03	1.93E-04	1.67E-04	1.41E-05
3152	437497.6	3725145	1.54E-03	3.35E-04	3.05E-04	4.21E-05	1.64E-03	1.95E-04	1.69E-04	1.43E-05
3153	437490.3	3725152	1.55E-03	3.36E-04	3.05E-04	4.22E-05	1.64E-03	1.96E-04	1.69E-04	1.43E-05
3154	437483	3725158	1.54E-03	3.34E-04	3.04E-04	4.20E-05	1.63E-03	1.95E-04	1.68E-04	1.42E-05
3155	437475.6	3725165	1.52E-03	3.30E-04	3.00E-04	4.15E-05	1.62E-03	1.93E-04	1.66E-04	1.41E-05
3156	437498.9	3725117	1.20E-03	2.61E-04	2.37E-04	3.27E-05	1.27E-03	1.52E-04	1.31E-04	1.11E-05
3157	437491.6	3725124	1.22E-03	2.66E-04	2.42E-04	3.34E-05	1.30E-03	1.55E-04	1.34E-04	1.13E-05
3158	437484.3	3725130	1.24E-03	2.69E-04	2.45E-04	3.38E-05	1.32E-03	1.57E-04	1.36E-04	1.15E-05
3159	437422	3725106	7.33E-04	1.59E-04	1.45E-04	2.00E-05	7.79E-04	9.28E-05	8.02E-05	6.78E-06
3160	437414.7	3725112	7.29E-04	1.58E-04	1.44E-04	1.99E-05	7.75E-04	9.23E-05	7.98E-05	6.74E-06
3161	437423.3	3725078	6.29E-04	1.37E-04	1.24E-04	1.72E-05	6.68E-04	7.96E-05	6.88E-05	5.82E-06
3162	437416	3725084	6.32E-04	1.37E-04	1.25E-04	1.72E-05	6.71E-04	8.00E-05	6.91E-05	5.84E-06
3163	437408.6	3725091	6.32E-04	1.37E-04	1.25E-04	1.72E-05	6.72E-04	8.00E-05	6.92E-05	5.85E-06
3164	437432	3725043	5.24E-04	1.14E-04	1.04E-04	1.43E-05	5.57E-04	6.64E-05	5.73E-05	4.85E-06
3165	437424.6	3725049	5.34E-04	1.16E-04	1.05E-04	1.46E-05	5.67E-04	6.76E-05	5.84E-05	4.94E-06
3166	437417.3	3725056	5.42E-04	1.18E-04	1.07E-04	1.48E-05	5.75E-04	6.86E-05	5.92E-05	5.01E-06
3167	437409.9	3725063	5.47E-04	1.19E-04	1.08E-04	1.49E-05	5.81E-04	6.93E-05	5.98E-05	5.06E-06
3168	437402.6	3725069	5.50E-04	1.20E-04	1.09E-04	1.50E-05	5.85E-04	6.97E-05	6.02E-05	5.09E-06
3169	437395.2	3725076	5.52E-04	1.20E-04	1.09E-04	1.51E-05	5.86E-04	6.99E-05	6.04E-05	5.10E-06
3170	437387.9	3725083	5.51E-04	1.20E-04	1.09E-04	1.50E-05	5.85E-04	6.98E-05	6.03E-05	5.10E-06
3171	437418.6	3725028	4.60E-04	1.00E-04	9.09E-05	1.26E-05	4.89E-04	5.83E-05	5.04E-05	4.26E-06
3172	437411.2	3725035	4.69E-04	1.02E-04	9.26E-05	1.28E-05	4.98E-04	5.94E-05	5.13E-05	4.34E-06
3173	437403.9	3725041	4.76E-04	1.03E-04	9.39E-05	1.30E-05	5.05E-04	6.02E-05	5.20E-05	4.40E-06
3174	437396.5	3725048	4.81E-04	1.04E-04	9.49E-05	1.31E-05	5.10E-04	6.09E-05	5.26E-05	4.44E-06
3175	437389.2	3725055	4.84E-04	1.05E-04	9.55E-05	1.32E-05	5.14E-04	6.13E-05	5.29E-05	4.47E-06
3176	437381.8	3725061	4.85E-04	1.05E-04	9.59E-05	1.32E-05	5.16E-04	6.15E-05	5.31E-05	4.49E-06
3177	437405.2	3725013	4.08E-04	8.86E-05	8.05E-05	1.11E-05	4.33E-04	5.16E-05	4.46E-05	3.77E-06
3178	437397.8	3725020	4.15E-04	9.02E-05	8.20E-05	1.13E-05	4.41E-04	5.26E-05	4.54E-05	3.84E-06
3179	437390.5	3725026	4.21E-04	9.15E-05	8.32E-05	1.15E-05	4.47E-04	5.33E-05	4.61E-05	3.90E-06
3180	437383.1	3725033	4.26E-04	9.25E-05	8.41E-05	1.16E-05	4.52E-04	5.39E-05	4.66E-05	3.94E-06
3181	437375.8	3725040	4.29E-04	9.32E-05	8.47E-05	1.17E-05	4.55E-04	5.43E-05	4.69E-05	3.97E-06
3182	437391.8	3724998	3.64E-04	7.90E-05	7.19E-05	9.93E-06	3.86E-04	4.61E-05	3.98E-05	3.37E-06
3183	437384.4	3725005	3.70E-04	8.05E-05	7.31E-05	1.01E-05	3.93E-04	4.69E-05	4.05E-05	3.42E-06
3184	437377.1	3725012	3.76E-04	8.16E-05	7.42E-05	1.02E-05	3.99E-04	4.76E-05	4.11E-05	3.47E-06
3185	437369.7	3725018	3.80E-04	8.25E-05	7.50E-05	1.04E-05	4.03E-04	4.81E-05	4.15E-05	3.51E-06
3186	437347.7	3725038	3.85E-04	8.37E-05	7.61E-05	1.05E-05	4.09E-04	4.88E-05	4.21E-05	3.56E-06
3187	437378.4	3724983	3.27E-04	7.10E-05	6.46E-05	8.92E-06	3.47E-04	4.14E-05	3.58E-05	3.02E-06
3188	437371	3724990	3.33E-04	7.22E-05	6.57E-05	9.07E-06	3.53E-04	4.21E-05	3.64E-05	3.08E-06

3189	437341.6	3725017	3.46E-04	7.52E-05	6.83E-05	9.44E-06	3.67E-04	4.38E-05	3.78E-05	3.20E-06
3190	437334.3	3725023	3.47E-04	7.54E-05	6.85E-05	9.47E-06	3.69E-04	4.39E-05	3.80E-05	3.21E-06
3191	437358.3	3724961	2.81E-04	6.11E-05	5.56E-05	7.68E-06	2.99E-04	3.56E-05	3.08E-05	2.60E-06
3192	437328.9	3724988	2.96E-04	6.44E-05	5.85E-05	8.09E-06	3.15E-04	3.75E-05	3.24E-05	2.74E-06
3193	437321.5	3724994	2.98E-04	6.48E-05	5.89E-05	8.14E-06	3.17E-04	3.78E-05	3.26E-05	2.76E-06
3194	437314.2	3725001	2.99E-04	6.50E-05	5.91E-05	8.16E-06	3.18E-04	3.79E-05	3.27E-05	2.77E-06
3195	437316.1	3724959	2.56E-04	5.56E-05	5.05E-05	6.98E-06	2.72E-04	3.24E-05	2.80E-05	2.37E-06
3196	437308.8	3724965	2.58E-04	5.61E-05	5.10E-05	7.04E-06	2.74E-04	3.27E-05	2.82E-05	2.39E-06
3197	437301.5	3724972	2.59E-04	5.64E-05	5.12E-05	7.08E-06	2.76E-04	3.29E-05	2.84E-05	2.40E-06
3198	437294.1	3724979	2.60E-04	5.65E-05	5.14E-05	7.10E-06	2.76E-04	3.29E-05	2.85E-05	2.41E-06
3199	437310.7	3724923	2.19E-04	4.77E-05	4.33E-05	5.98E-06	2.33E-04	2.78E-05	2.40E-05	2.03E-06
3200	437303.4	3724930	2.22E-04	4.83E-05	4.39E-05	6.07E-06	2.36E-04	2.82E-05	2.43E-05	2.06E-06
3201	437296	3724937	2.25E-04	4.88E-05	4.44E-05	6.13E-06	2.39E-04	2.85E-05	2.46E-05	2.08E-06
3202	437288.7	3724943	2.27E-04	4.92E-05	4.47E-05	6.18E-06	2.41E-04	2.87E-05	2.48E-05	2.10E-06
3203	437281.4	3724950	2.28E-04	4.95E-05	4.50E-05	6.21E-06	2.42E-04	2.88E-05	2.49E-05	2.11E-06
3204	437274	3724956	2.28E-04	4.95E-05	4.50E-05	6.22E-06	2.42E-04	2.89E-05	2.49E-05	2.11E-06
3205	437290.6	3724901	1.95E-04	4.23E-05	3.85E-05	5.31E-06	2.07E-04	2.47E-05	2.13E-05	1.80E-06
3206	437283.3	3724908	1.97E-04	4.29E-05	3.90E-05	5.38E-06	2.10E-04	2.50E-05	2.16E-05	1.82E-06
3207	437276	3724914	1.99E-04	4.33E-05	3.94E-05	5.44E-06	2.12E-04	2.52E-05	2.18E-05	1.84E-06
3208	437268.6	3724921	2.01E-04	4.36E-05	3.97E-05	5.48E-06	2.13E-04	2.54E-05	2.20E-05	1.86E-06
3209	437261.3	3724927	2.01E-04	4.37E-05	3.98E-05	5.49E-06	2.14E-04	2.55E-05	2.20E-05	1.86E-06
3210	437253.9	3724934	2.01E-04	4.36E-05	3.96E-05	5.47E-06	2.13E-04	2.54E-05	2.19E-05	1.86E-06
3211	437270.5	3724879	1.74E-04	3.79E-05	3.44E-05	4.76E-06	1.85E-04	2.21E-05	1.91E-05	1.61E-06
3212	437263.2	3724885	1.76E-04	3.83E-05	3.48E-05	4.81E-06	1.87E-04	2.23E-05	1.93E-05	1.63E-06
3213	437255.9	3724892	1.78E-04	3.87E-05	3.52E-05	4.86E-06	1.89E-04	2.26E-05	1.95E-05	1.65E-06
3214	437248.5	3724899	1.80E-04	3.90E-05	3.55E-05	4.90E-06	1.91E-04	2.27E-05	1.96E-05	1.66E-06
3215	437241.2	3724905	1.80E-04	3.90E-05	3.55E-05	4.90E-06	1.91E-04	2.28E-05	1.97E-05	1.66E-06
3216	437233.8	3724912	1.79E-04	3.90E-05	3.54E-05	4.89E-06	1.91E-04	2.27E-05	1.96E-05	1.66E-06
3217	437250.4	3724856	1.57E-04	3.42E-05	3.11E-05	4.29E-06	1.67E-04	1.99E-05	1.72E-05	1.45E-06
3218	437243.1	3724863	1.59E-04	3.46E-05	3.14E-05	4.34E-06	1.69E-04	2.01E-05	1.74E-05	1.47E-06
3219	437235.8	3724870	1.61E-04	3.49E-05	3.17E-05	4.38E-06	1.71E-04	2.03E-05	1.76E-05	1.49E-06
3220	437228.4	3724876	1.62E-04	3.52E-05	3.20E-05	4.42E-06	1.72E-04	2.05E-05	1.77E-05	1.50E-06
3221	437221.1	3724883	1.62E-04	3.53E-05	3.21E-05	4.43E-06	1.72E-04	2.06E-05	1.78E-05	1.50E-06
3222	437213.7	3724890	1.63E-04	3.54E-05	3.22E-05	4.44E-06	1.73E-04	2.06E-05	1.78E-05	1.51E-06
3223	437230.4	3724834	1.43E-04	3.10E-05	2.82E-05	3.90E-06	1.52E-04	1.81E-05	1.56E-05	1.32E-06
3224	437223	3724841	1.44E-04	3.14E-05	2.85E-05	3.94E-06	1.53E-04	1.83E-05	1.58E-05	1.34E-06
3225	437215.7	3724847	1.46E-04	3.17E-05	2.88E-05	3.98E-06	1.55E-04	1.85E-05	1.60E-05	1.35E-06
3226	437208.3	3724854	1.47E-04	3.19E-05	2.90E-05	4.01E-06	1.56E-04	1.86E-05	1.61E-05	1.36E-06
3227	437201	3724861	1.48E-04	3.21E-05	2.92E-05	4.03E-06	1.57E-04	1.87E-05	1.61E-05	1.37E-06
3228	437193.6	3724867	1.49E-04	3.24E-05	2.94E-05	4.07E-06	1.58E-04	1.89E-05	1.63E-05	1.38E-06
3229	437210.3	3724812	1.30E-04	2.83E-05	2.58E-05	3.56E-06	1.39E-04	1.65E-05	1.43E-05	1.21E-06
3230	437202.9	3724819	1.32E-04	2.87E-05	2.61E-05	3.60E-06	1.40E-04	1.67E-05	1.44E-05	1.22E-06
3231	437195.6	3724825	1.33E-04	2.90E-05	2.63E-05	3.64E-06	1.42E-04	1.69E-05	1.46E-05	1.23E-06
3232	437188.2	3724832	1.34E-04	2.92E-05	2.66E-05	3.67E-06	1.43E-04	1.70E-05	1.47E-05	1.24E-06
3233	437180.9	3724838	1.36E-04	2.95E-05	2.68E-05	3.70E-06	1.44E-04	1.72E-05	1.48E-05	1.25E-06
3234	437173.5	3724845	1.36E-04	2.96E-05	2.69E-05	3.72E-06	1.45E-04	1.73E-05	1.49E-05	1.26E-06
3235	437197.5	3724783	1.18E-04	2.57E-05	2.34E-05	3.23E-06	1.26E-04	1.50E-05	1.30E-05	1.10E-06
3236	437190.2	3724790	1.20E-04	2.61E-05	2.37E-05	3.27E-06	1.27E-04	1.52E-05	1.31E-05	1.11E-06
3237	437182.8	3724796	1.21E-04	2.64E-05	2.40E-05	3.31E-06	1.29E-04	1.54E-05	1.33E-05	1.12E-06
3238	437175.5	3724803	1.23E-04	2.66E-05	2.42E-05	3.34E-06	1.30E-04	1.55E-05	1.34E-05	1.13E-06
3239	437168.1	3724809	1.24E-04	2.69E-05	2.44E-05	3.37E-06	1.31E-04	1.57E-05	1.35E-05	1.14E-06
3240	437160.8	3724816	1.25E-04	2.71E-05	2.46E-05	3.40E-06	1.32E-04	1.58E-05	1.36E-05	1.15E-06
3241	437153.4	3724823	1.25E-04	2.72E-05	2.48E-05	3.42E-06	1.33E-04	1.59E-05	1.37E-05	1.16E-06
3242	437177.4	3724761	1.09E-04	2.38E-05	2.16E-05	2.99E-06	1.16E-04	1.39E-05	1.20E-05	1.01E-06
3243	437170.1	3724767	1.11E-04	2.41E-05	2.19E-05	3.02E-06	1.18E-04	1.40E-05	1.21E-05	1.03E-06
3244	437162.7	3724774	1.12E-04	2.43E-05	2.21E-05	3.06E-06	1.19E-04	1.42E-05	1.23E-05	1.04E-06

3245	437155.4	3724781	1.13E-04	2.46E-05	2.24E-05	3.09E-06	1.20E-04	1.43E-05	1.24E-05	1.05E-06
3246	437148	3724787	1.14E-04	2.48E-05	2.26E-05	3.12E-06	1.21E-04	1.45E-05	1.25E-05	1.06E-06
3247	437140.7	3724794	1.15E-04	2.50E-05	2.27E-05	3.14E-06	1.22E-04	1.46E-05	1.26E-05	1.06E-06
3248	437133.3	3724800	1.16E-04	2.51E-05	2.29E-05	3.16E-06	1.23E-04	1.47E-05	1.27E-05	1.07E-06
3249	437150.6	3724731	9.93E-05	2.16E-05	1.96E-05	2.71E-06	1.05E-04	1.26E-05	1.09E-05	9.18E-07
3250	437143.3	3724738	1.00E-04	2.18E-05	1.98E-05	2.74E-06	1.07E-04	1.27E-05	1.10E-05	9.29E-07
3251	437135.9	3724744	1.02E-04	2.21E-05	2.01E-05	2.77E-06	1.08E-04	1.29E-05	1.11E-05	9.39E-07
3252	437128.6	3724751	1.02E-04	2.23E-05	2.02E-05	2.80E-06	1.09E-04	1.30E-05	1.12E-05	9.48E-07
3253	437121.2	3724758	1.03E-04	2.24E-05	2.04E-05	2.82E-06	1.10E-04	1.31E-05	1.13E-05	9.56E-07
3254	437113.9	3724764	1.04E-04	2.26E-05	2.06E-05	2.84E-06	1.11E-04	1.32E-05	1.14E-05	9.63E-07
3255	437106.6	3724771	1.05E-04	2.28E-05	2.07E-05	2.86E-06	1.11E-04	1.33E-05	1.15E-05	9.69E-07
3256	437123.8	3724701	9.06E-05	1.97E-05	1.79E-05	2.47E-06	9.62E-05	1.15E-05	9.91E-06	8.38E-07
3257	437116.5	3724708	9.16E-05	1.99E-05	1.81E-05	2.50E-06	9.73E-05	1.16E-05	1.00E-05	8.47E-07
3258	437109.1	3724715	9.25E-05	2.01E-05	1.83E-05	2.52E-06	9.82E-05	1.17E-05	1.01E-05	8.55E-07
3259	437101.8	3724721	9.34E-05	2.03E-05	1.84E-05	2.55E-06	9.92E-05	1.18E-05	1.02E-05	8.64E-07
3260	437094.4	3724728	9.42E-05	2.05E-05	1.86E-05	2.57E-06	1.00E-04	1.19E-05	1.03E-05	8.71E-07
3261	437087.1	3724734	9.49E-05	2.06E-05	1.88E-05	2.59E-06	1.01E-04	1.20E-05	1.04E-05	8.78E-07
3262	437079.8	3724741	9.56E-05	2.08E-05	1.89E-05	2.61E-06	1.02E-04	1.21E-05	1.05E-05	8.84E-07
3263	437097	3724672	8.32E-05	1.81E-05	1.64E-05	2.27E-06	8.84E-05	1.05E-05	9.10E-06	7.70E-07
3264	437089.7	3724678	8.42E-05	1.83E-05	1.66E-05	2.30E-06	8.94E-05	1.07E-05	9.21E-06	7.78E-07
3265	437082.3	3724685	8.50E-05	1.85E-05	1.68E-05	2.32E-06	9.03E-05	1.08E-05	9.30E-06	7.86E-07
3266	437075	3724691	8.58E-05	1.86E-05	1.69E-05	2.34E-06	9.11E-05	1.09E-05	9.39E-06	7.94E-07
3267	437067.7	3724698	8.66E-05	1.88E-05	1.71E-05	2.36E-06	9.20E-05	1.10E-05	9.47E-06	8.01E-07
3268	437060.3	3724705	8.73E-05	1.90E-05	1.72E-05	2.38E-06	9.27E-05	1.10E-05	9.55E-06	8.07E-07
3269	437053	3724711	8.79E-05	1.91E-05	1.74E-05	2.40E-06	9.34E-05	1.11E-05	9.62E-06	8.13E-07
3270	437070.2	3724642	7.70E-05	1.67E-05	1.52E-05	2.10E-06	8.18E-05	9.75E-06	8.42E-06	7.12E-07
3271	437062.9	3724649	7.78E-05	1.69E-05	1.54E-05	2.12E-06	8.27E-05	9.85E-06	8.51E-06	7.20E-07
3272	437055.5	3724655	7.87E-05	1.71E-05	1.55E-05	2.15E-06	8.35E-05	9.96E-06	8.60E-06	7.27E-07
3273	437048.2	3724662	7.94E-05	1.72E-05	1.57E-05	2.17E-06	8.43E-05	1.01E-05	8.68E-06	7.34E-07
3274	437040.9	3724668	8.01E-05	1.74E-05	1.58E-05	2.18E-06	8.50E-05	1.01E-05	8.76E-06	7.41E-07
3275	437033.5	3724675	8.07E-05	1.75E-05	1.59E-05	2.20E-06	8.57E-05	1.02E-05	8.83E-06	7.46E-07
3276	437026.2	3724682	8.13E-05	1.77E-05	1.61E-05	2.22E-06	8.63E-05	1.03E-05	8.89E-06	7.52E-07
3277	437043.4	3724612	7.16E-05	1.55E-05	1.41E-05	1.95E-06	7.60E-05	9.06E-06	7.83E-06	6.62E-07
3278	437036.1	3724619	7.23E-05	1.57E-05	1.43E-05	1.97E-06	7.68E-05	9.16E-06	7.91E-06	6.69E-07
3279	437028.8	3724625	7.31E-05	1.59E-05	1.44E-05	1.99E-06	7.76E-05	9.25E-06	7.99E-06	6.76E-07
3280	437021.4	3724632	7.37E-05	1.60E-05	1.46E-05	2.01E-06	7.83E-05	9.34E-06	8.07E-06	6.82E-07
3281	437014.1	3724639	7.43E-05	1.61E-05	1.47E-05	2.03E-06	7.89E-05	9.41E-06	8.13E-06	6.87E-07
3282	437016.6	3724583	6.67E-05	1.45E-05	1.32E-05	1.82E-06	7.09E-05	8.45E-06	7.30E-06	6.17E-07
3283	437009.3	3724589	6.75E-05	1.47E-05	1.33E-05	1.84E-06	7.17E-05	8.54E-06	7.38E-06	6.24E-07
3284	437002	3724596	6.81E-05	1.48E-05	1.35E-05	1.86E-06	7.23E-05	8.62E-06	7.45E-06	6.30E-07
3285	436994.6	3724602	6.87E-05	1.49E-05	1.36E-05	1.87E-06	7.30E-05	8.70E-06	7.51E-06	6.35E-07
3286	436987.3	3724609	6.93E-05	1.50E-05	1.37E-05	1.89E-06	7.36E-05	8.77E-06	7.58E-06	6.41E-07
3287	436979.9	3724616	6.98E-05	1.52E-05	1.38E-05	1.90E-06	7.41E-05	8.83E-06	7.63E-06	6.45E-07
3288	436972.6	3724622	7.02E-05	1.53E-05	1.39E-05	1.92E-06	7.46E-05	8.89E-06	7.68E-06	6.49E-07
3289	436989.9	3724553	6.26E-05	1.36E-05	1.24E-05	1.71E-06	6.65E-05	7.93E-06	6.85E-06	5.79E-07
3290	436982.5	3724559	6.32E-05	1.37E-05	1.25E-05	1.73E-06	6.72E-05	8.01E-06	6.92E-06	5.85E-07
3291	436975.2	3724566	6.38E-05	1.39E-05	1.26E-05	1.74E-06	6.78E-05	8.08E-06	6.98E-06	5.90E-07
3292	436967.8	3724573	6.43E-05	1.40E-05	1.27E-05	1.75E-06	6.83E-05	8.14E-06	7.03E-06	5.95E-07
3293	436960.5	3724579	6.48E-05	1.41E-05	1.28E-05	1.77E-06	6.88E-05	8.20E-06	7.09E-06	5.99E-07
3294	436953.1	3724586	6.53E-05	1.42E-05	1.29E-05	1.78E-06	6.93E-05	8.27E-06	7.14E-06	6.04E-07
3295	436945.8	3724593	6.57E-05	1.43E-05	1.30E-05	1.79E-06	6.98E-05	8.31E-06	7.18E-06	6.07E-07
3296	436963.1	3724523	5.92E-05	1.29E-05	1.17E-05	1.62E-06	6.29E-05	7.50E-06	6.48E-06	5.47E-07
3297	436955.7	3724530	5.97E-05	1.30E-05	1.18E-05	1.63E-06	6.34E-05	7.56E-06	6.53E-06	5.52E-07
3298	436948.4	3724536	6.03E-05	1.31E-05	1.19E-05	1.64E-06	6.40E-05	7.63E-06	6.59E-06	5.57E-07
3299	436941	3724543	6.08E-05	1.32E-05	1.20E-05	1.66E-06	6.45E-05	7.69E-06	6.65E-06	5.62E-07
3300	436933.7	3724550	6.12E-05	1.33E-05	1.21E-05	1.67E-06	6.50E-05	7.75E-06	6.69E-06	5.66E-07

3301	436936.3	3724493	5.59E-05	1.22E-05	1.10E-05	1.53E-06	5.94E-05	7.08E-06	6.12E-06	5.17E-07
3302	436928.9	3724500	5.65E-05	1.23E-05	1.12E-05	1.54E-06	6.00E-05	7.15E-06	6.18E-06	5.22E-07
3303	436921.6	3724507	5.70E-05	1.24E-05	1.13E-05	1.56E-06	6.06E-05	7.22E-06	6.24E-06	5.27E-07
3304	436909.5	3724464	5.29E-05	1.15E-05	1.05E-05	1.44E-06	5.62E-05	6.70E-06	5.79E-06	4.89E-07
3305	436902.1	3724470	5.34E-05	1.16E-05	1.05E-05	1.46E-06	5.67E-05	6.76E-06	5.84E-06	4.94E-07

	Max Yr	**1**	T2	T2L3	T3	T4f
	Row	**18**	2.23E-01	4.40E-02	2.36E-01	2.43E-02
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**20%**	**106%**	**11%**
			Year 1	Year 1	Year 1	Year 1
1	437487.6	3725277	1.58E-02	3.11E-03	1.67E-02	1.72E-03
2	437484.5	3725269	1.47E-02	2.90E-03	1.56E-02	1.61E-03
3	437503.2	3725300	2.14E-02	4.22E-03	2.27E-02	2.34E-03
4	437480.2	3725284	1.41E-02	2.79E-03	1.50E-02	1.55E-03
5	437474.3	3725267	1.25E-02	2.47E-03	1.33E-02	1.37E-03
6	437483.2	3725293	1.50E-02	2.96E-03	1.59E-02	1.64E-03
7	437495.8	3725307	1.86E-02	3.68E-03	1.98E-02	2.04E-03
8	437472.8	3725291	1.27E-02	2.52E-03	1.35E-02	1.39E-03
9	437467	3725275	1.15E-02	2.27E-03	1.22E-02	1.25E-03
10	437465.4	3725298	1.16E-02	2.29E-03	1.23E-02	1.27E-03
11	437459.7	3725282	1.05E-02	2.08E-03	1.12E-02	1.15E-03
12	437454	3725266	9.52E-03	1.88E-03	1.01E-02	1.04E-03
13	437474.6	3725313	1.33E-02	2.62E-03	1.41E-02	1.45E-03
14	437458	3725305	1.05E-02	2.08E-03	1.12E-02	1.15E-03
15	437452.4	3725289	9.68E-03	1.91E-03	1.03E-02	1.06E-03
16	437446.7	3725273	8.83E-03	1.74E-03	9.38E-03	9.66E-04
17	437441	3725257	8.00E-03	1.58E-03	8.50E-03	8.76E-04
18	437467.2	3725320	1.20E-02	2.36E-03	1.27E-02	1.31E-03
19	437473.5	3725327	1.30E-02	2.58E-03	1.39E-02	1.43E-03
20	437442.9	3725317	8.70E-03	1.72E-03	9.24E-03	9.52E-04
21	437439.9	3725309	8.37E-03	1.65E-03	8.89E-03	9.16E-04
22	437436.8	3725300	8.01E-03	1.58E-03	8.51E-03	8.77E-04
23	437433.7	3725292	7.71E-03	1.52E-03	8.18E-03	8.43E-04
24	437430.7	3725283	7.39E-03	1.46E-03	7.85E-03	8.09E-04
25	437427.6	3725274	7.08E-03	1.40E-03	7.52E-03	7.75E-04
26	437424.6	3725266	6.77E-03	1.34E-03	7.19E-03	7.41E-04
27	437446	3725326	9.04E-03	1.79E-03	9.60E-03	9.89E-04
28	437452.3	3725333	9.77E-03	1.93E-03	1.04E-02	1.07E-03
29	437458.6	3725340	1.06E-02	2.08E-03	1.12E-02	1.15E-03
30	437428.1	3725331	7.19E-03	1.42E-03	7.64E-03	7.87E-04
31	437422.2	3725314	6.73E-03	1.33E-03	7.15E-03	7.36E-04
32	437419.2	3725306	6.50E-03	1.28E-03	6.90E-03	7.11E-04
33	437431.1	3725339	7.43E-03	1.47E-03	7.89E-03	8.13E-04
34	437437.4	3725347	8.05E-03	1.59E-03	8.55E-03	8.81E-04
35	437443.7	3725354	8.67E-03	1.71E-03	9.21E-03	9.48E-04
36	437413.1	3725344	5.94E-03	1.17E-03	6.31E-03	6.50E-04
37	437409.9	3725335	5.79E-03	1.14E-03	6.15E-03	6.33E-04
38	437406.8	3725326	5.63E-03	1.11E-03	5.98E-03	6.16E-04
39	437416.2	3725353	6.11E-03	1.21E-03	6.49E-03	6.68E-04
40	437422.5	3725360	6.55E-03	1.29E-03	6.96E-03	7.16E-04
41	437359.4	3725228	3.53E-03	6.97E-04	3.75E-03	3.86E-04
42	437363.4	3725220	3.59E-03	7.09E-04	3.81E-03	3.93E-04
43	437410.7	3725121	3.71E-03	7.33E-04	3.94E-03	4.06E-04
44	437339.4	3725227	2.98E-03	5.89E-04	3.17E-03	3.26E-04
45	437347.1	3725211	3.09E-03	6.10E-04	3.28E-03	3.38E-04
46	437354.9	3725195	3.16E-03	6.24E-04	3.36E-03	3.46E-04

47	437397.4	3725106	3.21E-03	6.34E-04	3.41E-03	3.51E-04
48	437340.4	3725305	3.02E-03	5.96E-04	3.21E-03	3.30E-04
49	437337.3	3725296	2.97E-03	5.86E-04	3.15E-03	3.25E-04
50	437334.2	3725287	2.90E-03	5.74E-04	3.09E-03	3.18E-04
51	437331.1	3725278	2.84E-03	5.61E-04	3.02E-03	3.11E-04
52	437319.6	3725226	2.54E-03	5.02E-04	2.70E-03	2.78E-04
53	437323.6	3725218	2.59E-03	5.12E-04	2.75E-03	2.83E-04
54	437327.6	3725209	2.64E-03	5.21E-04	2.80E-03	2.88E-04
55	437331.6	3725201	2.67E-03	5.28E-04	2.84E-03	2.92E-04
56	437335.7	3725192	2.70E-03	5.34E-04	2.87E-03	2.96E-04
57	437339.7	3725184	2.73E-03	5.38E-04	2.90E-03	2.98E-04
58	437338.3	3725354	2.87E-03	5.66E-04	3.05E-03	3.14E-04
59	437335.3	3725346	2.82E-03	5.56E-04	2.99E-03	3.08E-04
60	437332.2	3725337	2.76E-03	5.45E-04	2.93E-03	3.02E-04
61	437329.2	3725328	2.70E-03	5.34E-04	2.87E-03	2.96E-04
62	437326.1	3725320	2.66E-03	5.25E-04	2.83E-03	2.91E-04
63	437323.1	3725311	2.62E-03	5.18E-04	2.78E-03	2.87E-04
64	437320	3725303	2.58E-03	5.10E-04	2.74E-03	2.83E-04
65	437317	3725294	2.54E-03	5.02E-04	2.70E-03	2.78E-04
66	437313.9	3725285	2.50E-03	4.93E-04	2.65E-03	2.73E-04
67	437310.9	3725277	2.45E-03	4.84E-04	2.60E-03	2.68E-04
68	437299.5	3725225	2.21E-03	4.37E-04	2.35E-03	2.42E-04
69	437303.5	3725217	2.25E-03	4.45E-04	2.39E-03	2.46E-04
70	437307.4	3725208	2.29E-03	4.52E-04	2.43E-03	2.50E-04
71	437311.4	3725200	2.31E-03	4.57E-04	2.46E-03	2.53E-04
72	437315.3	3725192	2.34E-03	4.62E-04	2.48E-03	2.56E-04
73	437319.3	3725184	2.36E-03	4.67E-04	2.51E-03	2.58E-04
74	437346.9	3725126	2.59E-03	5.12E-04	2.75E-03	2.84E-04
75	437350.8	3725117	2.59E-03	5.12E-04	2.75E-03	2.84E-04
76	437354.8	3725109	2.58E-03	5.10E-04	2.75E-03	2.83E-04
77	437358.7	3725101	2.57E-03	5.07E-04	2.73E-03	2.81E-04
78	437320.7	3725360	2.53E-03	5.00E-04	2.69E-03	2.77E-04
79	437317.7	3725352	2.48E-03	4.90E-04	2.64E-03	2.71E-04
80	437314.7	3725343	2.44E-03	4.82E-04	2.59E-03	2.67E-04
81	437311.7	3725334	2.39E-03	4.73E-04	2.54E-03	2.62E-04
82	437308.7	3725326	2.34E-03	4.62E-04	2.48E-03	2.56E-04
83	437305.7	3725317	2.31E-03	4.56E-04	2.45E-03	2.52E-04
84	437302.7	3725309	2.27E-03	4.49E-04	2.41E-03	2.49E-04
85	437299.7	3725300	2.23E-03	4.41E-04	2.37E-03	2.44E-04
86	437296.7	3725292	2.20E-03	4.34E-04	2.33E-03	2.40E-04
87	437293.7	3725283	2.17E-03	4.28E-04	2.30E-03	2.37E-04
88	437290.7	3725275	2.14E-03	4.22E-04	2.27E-03	2.34E-04
89	437279.5	3725224	1.95E-03	3.85E-04	2.07E-03	2.13E-04
90	437287.3	3725208	2.01E-03	3.98E-04	2.14E-03	2.20E-04
91	437295	3725192	2.05E-03	4.05E-04	2.18E-03	2.25E-04
92	437298.9	3725183	2.07E-03	4.09E-04	2.20E-03	2.27E-04
93	437326.1	3725126	2.26E-03	4.47E-04	2.41E-03	2.48E-04
94	437333.9	3725110	2.31E-03	4.57E-04	2.46E-03	2.53E-04
95	437337.8	3725102	2.31E-03	4.56E-04	2.45E-03	2.52E-04
96	437345.6	3725086	2.28E-03	4.51E-04	2.42E-03	2.50E-04
97	437349.4	3725077	2.26E-03	4.46E-04	2.40E-03	2.47E-04
98	437299	3725354	2.26E-03	4.47E-04	2.40E-03	2.48E-04

99	437295.9	3725345	2.21E-03	4.36E-04	2.34E-03	2.41E-04
100	437292.8	3725337	2.15E-03	4.24E-04	2.28E-03	2.35E-04
101	437289.7	3725328	2.08E-03	4.11E-04	2.21E-03	2.28E-04
102	437286.6	3725319	2.05E-03	4.05E-04	2.18E-03	2.24E-04
103	437283.5	3725310	2.02E-03	4.00E-04	2.15E-03	2.21E-04
104	437280.4	3725301	1.99E-03	3.94E-04	2.12E-03	2.18E-04
105	437277.3	3725293	1.96E-03	3.88E-04	2.08E-03	2.15E-04
106	437274.2	3725284	1.93E-03	3.82E-04	2.05E-03	2.11E-04
107	437271.1	3725275	1.90E-03	3.75E-04	2.02E-03	2.08E-04
108	437259.6	3725223	1.74E-03	3.43E-04	1.85E-03	1.90E-04
109	437263.6	3725214	1.77E-03	3.49E-04	1.88E-03	1.94E-04
110	437267.6	3725206	1.80E-03	3.55E-04	1.91E-03	1.97E-04
111	437271.7	3725198	1.81E-03	3.57E-04	1.92E-03	1.98E-04
112	437275.7	3725189	1.82E-03	3.60E-04	1.93E-03	1.99E-04
113	437279.7	3725181	1.84E-03	3.62E-04	1.95E-03	2.01E-04
114	437307.7	3725122	2.01E-03	3.96E-04	2.13E-03	2.19E-04
115	437311.7	3725114	2.03E-03	4.01E-04	2.16E-03	2.22E-04
116	437315.7	3725105	2.05E-03	4.05E-04	2.18E-03	2.24E-04
117	437319.7	3725097	2.06E-03	4.07E-04	2.19E-03	2.26E-04
118	437323.7	3725088	2.07E-03	4.08E-04	2.19E-03	2.26E-04
119	437327.7	3725080	2.06E-03	4.06E-04	2.19E-03	2.25E-04
120	437331.7	3725072	2.04E-03	4.03E-04	2.17E-03	2.23E-04
121	437335.7	3725063	2.02E-03	3.99E-04	2.15E-03	2.21E-04
122	437339.7	3725055	2.00E-03	3.94E-04	2.12E-03	2.18E-04
123	437343.7	3725046	1.96E-03	3.88E-04	2.09E-03	2.15E-04
124	437309	3725438	2.48E-03	4.90E-04	2.63E-03	2.71E-04
125	437305.9	3725429	2.44E-03	4.82E-04	2.59E-03	2.67E-04
126	437302.9	3725420	2.40E-03	4.73E-04	2.54E-03	2.62E-04
127	437299.8	3725412	2.35E-03	4.64E-04	2.50E-03	2.57E-04
128	437296.7	3725403	2.30E-03	4.55E-04	2.45E-03	2.52E-04
129	437278.4	3725351	2.04E-03	4.04E-04	2.17E-03	2.24E-04
130	437275.4	3725343	1.99E-03	3.94E-04	2.12E-03	2.18E-04
131	437272.3	3725334	1.95E-03	3.85E-04	2.07E-03	2.13E-04
132	437269.3	3725325	1.91E-03	3.77E-04	2.03E-03	2.09E-04
133	437266.2	3725317	1.88E-03	3.71E-04	2.00E-03	2.06E-04
134	437263.2	3725308	1.85E-03	3.65E-04	1.96E-03	2.02E-04
135	437250.9	3725273	1.70E-03	3.36E-04	1.81E-03	1.86E-04
136	437239.6	3725222	1.55E-03	3.06E-04	1.65E-03	1.70E-04
137	437243.6	3725214	1.58E-03	3.12E-04	1.68E-03	1.73E-04
138	437247.5	3725205	1.60E-03	3.17E-04	1.70E-03	1.75E-04
139	437251.5	3725197	1.62E-03	3.19E-04	1.72E-03	1.77E-04
140	437255.4	3725189	1.63E-03	3.21E-04	1.73E-03	1.78E-04
141	437259.3	3725181	1.63E-03	3.23E-04	1.74E-03	1.79E-04
142	437263.3	3725172	1.65E-03	3.25E-04	1.75E-03	1.80E-04
143	437294.8	3725106	1.81E-03	3.58E-04	1.92E-03	1.98E-04
144	437298.8	3725098	1.83E-03	3.61E-04	1.94E-03	2.00E-04
145	437302.7	3725089	1.84E-03	3.63E-04	1.95E-03	2.01E-04
146	437306.7	3725081	1.85E-03	3.65E-04	1.96E-03	2.02E-04
147	437310.6	3725073	1.86E-03	3.67E-04	1.98E-03	2.04E-04
148	437314.6	3725065	1.85E-03	3.65E-04	1.96E-03	2.02E-04
149	437318.5	3725056	1.84E-03	3.63E-04	1.95E-03	2.01E-04
150	437322.5	3725048	1.82E-03	3.59E-04	1.93E-03	1.99E-04

151	437326.4	3725040	1.79E-03	3.54E-04	1.91E-03	1.96E-04
152	437330.4	3725031	1.77E-03	3.49E-04	1.88E-03	1.93E-04
153	437312	3725446	2.52E-03	4.98E-04	2.68E-03	2.76E-04
154	437318.3	3725453	2.60E-03	5.14E-04	2.77E-03	2.85E-04
155	437286.6	3725458	2.17E-03	4.29E-04	2.31E-03	2.37E-04
156	437283.5	3725449	2.14E-03	4.22E-04	2.27E-03	2.34E-04
157	437280.4	3725440	2.11E-03	4.16E-04	2.24E-03	2.30E-04
158	437277.2	3725431	2.08E-03	4.10E-04	2.21E-03	2.27E-04
159	437274.1	3725422	2.05E-03	4.05E-04	2.18E-03	2.24E-04
160	437271	3725414	2.02E-03	3.99E-04	2.15E-03	2.21E-04
161	437267.9	3725405	1.99E-03	3.93E-04	2.11E-03	2.17E-04
162	437227.5	3725290	1.57E-03	3.11E-04	1.67E-03	1.72E-04
163	437224.4	3725281	1.53E-03	3.03E-04	1.63E-03	1.68E-04
164	437221.3	3725273	1.50E-03	2.96E-04	1.59E-03	1.64E-04
165	437218.2	3725264	1.47E-03	2.90E-04	1.56E-03	1.61E-04
166	437209.7	3725220	1.36E-03	2.69E-04	1.44E-03	1.49E-04
167	437213.7	3725212	1.37E-03	2.70E-04	1.45E-03	1.50E-04
168	437217.8	3725203	1.38E-03	2.73E-04	1.47E-03	1.51E-04
169	437221.8	3725195	1.40E-03	2.76E-04	1.48E-03	1.53E-04
170	437225.8	3725186	1.41E-03	2.78E-04	1.49E-03	1.54E-04
171	437229.8	3725178	1.42E-03	2.80E-04	1.51E-03	1.55E-04
172	437278	3725077	1.56E-03	3.08E-04	1.65E-03	1.70E-04
173	437282.1	3725068	1.57E-03	3.10E-04	1.67E-03	1.72E-04
174	437286.1	3725060	1.58E-03	3.11E-04	1.67E-03	1.72E-04
175	437290.1	3725052	1.58E-03	3.12E-04	1.68E-03	1.73E-04
176	437294.1	3725043	1.58E-03	3.13E-04	1.68E-03	1.73E-04
177	437298.1	3725035	1.58E-03	3.12E-04	1.68E-03	1.73E-04
178	437302.1	3725026	1.56E-03	3.09E-04	1.66E-03	1.71E-04
179	437306.2	3725018	1.54E-03	3.05E-04	1.64E-03	1.69E-04
180	437310.2	3725009	1.52E-03	3.00E-04	1.62E-03	1.66E-04
181	437289.7	3725466	2.20E-03	4.35E-04	2.34E-03	2.41E-04
182	437296	3725473	2.27E-03	4.48E-04	2.41E-03	2.48E-04
183	437302.3	3725480	2.33E-03	4.60E-04	2.47E-03	2.55E-04
184	437264.3	3725478	1.92E-03	3.79E-04	2.04E-03	2.10E-04
185	437261.3	3725469	1.90E-03	3.75E-04	2.01E-03	2.07E-04
186	437258.2	3725461	1.87E-03	3.70E-04	1.99E-03	2.05E-04
187	437255.2	3725452	1.85E-03	3.65E-04	1.96E-03	2.02E-04
188	437252.1	3725443	1.82E-03	3.60E-04	1.94E-03	1.99E-04
189	437249	3725435	1.80E-03	3.55E-04	1.91E-03	1.97E-04
190	437246	3725426	1.77E-03	3.50E-04	1.88E-03	1.94E-04
191	437242.9	3725417	1.75E-03	3.45E-04	1.86E-03	1.91E-04
192	437239.9	3725409	1.72E-03	3.40E-04	1.83E-03	1.89E-04
193	437236.8	3725400	1.70E-03	3.35E-04	1.80E-03	1.86E-04
194	437215.5	3725339	1.52E-03	3.01E-04	1.62E-03	1.66E-04
195	437212.4	3725331	1.50E-03	2.96E-04	1.59E-03	1.64E-04
196	437209.3	3725322	1.47E-03	2.91E-04	1.56E-03	1.61E-04
197	437206.3	3725313	1.45E-03	2.86E-04	1.54E-03	1.58E-04
198	437203.2	3725305	1.42E-03	2.81E-04	1.51E-03	1.56E-04
199	437200.2	3725296	1.40E-03	2.76E-04	1.49E-03	1.53E-04
200	437197.1	3725288	1.38E-03	2.72E-04	1.46E-03	1.50E-04
201	437194.1	3725279	1.35E-03	2.67E-04	1.44E-03	1.48E-04
202	437191	3725270	1.33E-03	2.62E-04	1.41E-03	1.45E-04

203	437188	3725262	1.30E-03	2.58E-04	1.38E-03	1.43E-04
204	437179.7	3725219	1.23E-03	2.43E-04	1.30E-03	1.34E-04
205	437183.6	3725210	1.24E-03	2.44E-04	1.31E-03	1.35E-04
206	437187.6	3725202	1.24E-03	2.45E-04	1.32E-03	1.36E-04
207	437191.5	3725194	1.25E-03	2.47E-04	1.33E-03	1.37E-04
208	437195.5	3725186	1.26E-03	2.49E-04	1.34E-03	1.38E-04
209	437199.4	3725177	1.27E-03	2.51E-04	1.35E-03	1.39E-04
210	437258.6	3725053	1.35E-03	2.66E-04	1.43E-03	1.47E-04
211	437262.5	3725045	1.35E-03	2.67E-04	1.44E-03	1.48E-04
212	437266.5	3725037	1.36E-03	2.68E-04	1.44E-03	1.48E-04
213	437270.4	3725028	1.36E-03	2.68E-04	1.44E-03	1.49E-04
214	437274.4	3725020	1.36E-03	2.68E-04	1.44E-03	1.48E-04
215	437278.3	3725012	1.35E-03	2.67E-04	1.44E-03	1.48E-04
216	437282.3	3725003	1.34E-03	2.66E-04	1.43E-03	1.47E-04
217	437286.2	3724995	1.34E-03	2.64E-04	1.42E-03	1.46E-04
218	437290.2	3724987	1.32E-03	2.61E-04	1.40E-03	1.44E-04
219	437235.7	3725480	1.64E-03	3.25E-04	1.75E-03	1.80E-04
220	437232.6	3725471	1.62E-03	3.21E-04	1.73E-03	1.78E-04
221	437229.5	3725463	1.61E-03	3.17E-04	1.71E-03	1.76E-04
222	437226.4	3725454	1.59E-03	3.13E-04	1.68E-03	1.73E-04
223	437223.3	3725445	1.57E-03	3.09E-04	1.66E-03	1.71E-04
224	437220.2	3725436	1.54E-03	3.05E-04	1.64E-03	1.69E-04
225	437217.1	3725427	1.52E-03	3.01E-04	1.62E-03	1.67E-04
226	437214	3725419	1.50E-03	2.97E-04	1.60E-03	1.64E-04
227	437210.9	3725410	1.48E-03	2.93E-04	1.57E-03	1.62E-04
228	437207.8	3725401	1.46E-03	2.89E-04	1.55E-03	1.60E-04
229	437189.2	3725348	1.34E-03	2.64E-04	1.42E-03	1.46E-04
230	437186.1	3725340	1.32E-03	2.60E-04	1.40E-03	1.44E-04
231	437183	3725331	1.30E-03	2.56E-04	1.38E-03	1.42E-04
232	437164.4	3725278	1.18E-03	2.33E-04	1.25E-03	1.29E-04
233	437161.3	3725269	1.16E-03	2.29E-04	1.23E-03	1.27E-04
234	437158.2	3725261	1.14E-03	2.26E-04	1.21E-03	1.25E-04
235	437149.8	3725217	1.08E-03	2.14E-04	1.15E-03	1.18E-04
236	437153.8	3725209	1.09E-03	2.16E-04	1.16E-03	1.20E-04
237	437157.8	3725200	1.11E-03	2.19E-04	1.18E-03	1.21E-04
238	437161.8	3725192	1.12E-03	2.21E-04	1.19E-03	1.23E-04
239	437165.8	3725183	1.13E-03	2.24E-04	1.20E-03	1.24E-04
240	437169.8	3725175	1.15E-03	2.27E-04	1.22E-03	1.25E-04
241	437209.9	3725091	1.19E-03	2.35E-04	1.26E-03	1.30E-04
242	437242	3725024	1.20E-03	2.36E-04	1.27E-03	1.31E-04
243	437246	3725015	1.19E-03	2.35E-04	1.27E-03	1.30E-04
244	437250	3725007	1.19E-03	2.34E-04	1.26E-03	1.30E-04
245	437254	3724998	1.18E-03	2.33E-04	1.25E-03	1.29E-04
246	437258	3724990	1.17E-03	2.31E-04	1.24E-03	1.28E-04
247	437262	3724982	1.16E-03	2.30E-04	1.24E-03	1.27E-04
248	437266	3724973	1.16E-03	2.29E-04	1.23E-03	1.27E-04
249	437270	3724965	1.15E-03	2.27E-04	1.22E-03	1.26E-04
250	437203.9	3725473	1.41E-03	2.78E-04	1.49E-03	1.54E-04
251	437200.7	3725464	1.39E-03	2.74E-04	1.47E-03	1.52E-04
252	437197.6	3725455	1.37E-03	2.71E-04	1.46E-03	1.50E-04
253	437194.4	3725446	1.35E-03	2.68E-04	1.44E-03	1.48E-04
254	437191.3	3725438	1.34E-03	2.64E-04	1.42E-03	1.46E-04

255	437188.1	3725429	1.32E-03	2.61E-04	1.40E-03	1.45E-04
256	437185	3725420	1.30E-03	2.58E-04	1.39E-03	1.43E-04
257	437181.9	3725411	1.29E-03	2.54E-04	1.37E-03	1.41E-04
258	437178.7	3725402	1.27E-03	2.51E-04	1.35E-03	1.39E-04
259	437175.6	3725393	1.25E-03	2.48E-04	1.33E-03	1.37E-04
260	437153.6	3725331	1.14E-03	2.25E-04	1.21E-03	1.24E-04
261	437150.4	3725322	1.12E-03	2.21E-04	1.19E-03	1.23E-04
262	437147.3	3725313	1.10E-03	2.18E-04	1.17E-03	1.21E-04
263	437144.1	3725304	1.09E-03	2.15E-04	1.16E-03	1.19E-04
264	437141	3725295	1.07E-03	2.12E-04	1.14E-03	1.17E-04
265	437137.8	3725286	1.06E-03	2.09E-04	1.12E-03	1.15E-04
266	437134.7	3725277	1.04E-03	2.05E-04	1.10E-03	1.14E-04
267	437131.6	3725268	1.02E-03	2.02E-04	1.09E-03	1.12E-04
268	437128.4	3725259	1.01E-03	1.99E-04	1.07E-03	1.10E-04
269	437119	3725233	9.62E-04	1.90E-04	1.02E-03	1.05E-04
270	437119.9	3725215	9.59E-04	1.89E-04	1.02E-03	1.05E-04
271	437124	3725207	9.71E-04	1.92E-04	1.03E-03	1.06E-04
272	437128	3725198	9.83E-04	1.94E-04	1.04E-03	1.07E-04
273	437132.1	3725190	9.94E-04	1.96E-04	1.06E-03	1.09E-04
274	437136.1	3725181	1.01E-03	1.99E-04	1.07E-03	1.10E-04
275	437164.6	3725122	1.08E-03	2.13E-04	1.15E-03	1.18E-04
276	437168.6	3725113	1.09E-03	2.15E-04	1.16E-03	1.19E-04
277	437172.7	3725105	1.10E-03	2.17E-04	1.16E-03	1.20E-04
278	437176.8	3725096	1.10E-03	2.17E-04	1.17E-03	1.20E-04
279	437180.8	3725088	1.10E-03	2.18E-04	1.17E-03	1.20E-04
280	437184.9	3725079	1.10E-03	2.18E-04	1.17E-03	1.21E-04
281	437188.9	3725070	1.10E-03	2.18E-04	1.17E-03	1.20E-04
282	437193	3725062	1.10E-03	2.17E-04	1.17E-03	1.20E-04
283	437225.5	3724994	1.06E-03	2.10E-04	1.13E-03	1.16E-04
284	437229.6	3724985	1.05E-03	2.08E-04	1.12E-03	1.15E-04
285	437233.6	3724977	1.05E-03	2.07E-04	1.11E-03	1.14E-04
286	437237.7	3724968	1.04E-03	2.05E-04	1.10E-03	1.14E-04
287	437241.7	3724960	1.03E-03	2.04E-04	1.10E-03	1.13E-04
288	437245.8	3724951	1.02E-03	2.02E-04	1.09E-03	1.12E-04
289	437249.9	3724943	1.01E-03	2.00E-04	1.08E-03	1.11E-04
290	437175.6	3725476	1.22E-03	2.41E-04	1.30E-03	1.33E-04
291	437172.5	3725468	1.21E-03	2.39E-04	1.28E-03	1.32E-04
292	437169.4	3725459	1.20E-03	2.37E-04	1.27E-03	1.31E-04
293	437166.3	3725450	1.19E-03	2.34E-04	1.26E-03	1.30E-04
294	437163.3	3725441	1.18E-03	2.32E-04	1.25E-03	1.29E-04
295	437160.2	3725433	1.16E-03	2.29E-04	1.23E-03	1.27E-04
296	437157.1	3725424	1.15E-03	2.27E-04	1.22E-03	1.26E-04
297	437154	3725415	1.13E-03	2.24E-04	1.21E-03	1.24E-04
298	437150.9	3725406	1.12E-03	2.21E-04	1.19E-03	1.23E-04
299	437147.8	3725398	1.11E-03	2.19E-04	1.18E-03	1.21E-04
300	437135.4	3725363	1.05E-03	2.08E-04	1.12E-03	1.15E-04
301	437132.3	3725354	1.04E-03	2.05E-04	1.10E-03	1.14E-04
302	437129.2	3725345	1.03E-03	2.03E-04	1.09E-03	1.12E-04
303	437126.1	3725336	1.01E-03	2.00E-04	1.08E-03	1.11E-04
304	437123	3725327	9.99E-04	1.97E-04	1.06E-03	1.09E-04
305	437119.9	3725319	9.86E-04	1.95E-04	1.05E-03	1.08E-04
306	437116.8	3725310	9.73E-04	1.92E-04	1.03E-03	1.06E-04

307	437113.7	3725301	9.60E-04	1.90E-04	1.02E-03	1.05E-04
308	437110.6	3725292	9.47E-04	1.87E-04	1.01E-03	1.04E-04
309	437107.5	3725284	9.34E-04	1.84E-04	9.92E-04	1.02E-04
310	437101.4	3725266	9.08E-04	1.79E-04	9.65E-04	9.93E-05
311	437089	3725231	8.58E-04	1.70E-04	9.12E-04	9.39E-05
312	437089.9	3725214	8.56E-04	1.69E-04	9.10E-04	9.37E-05
313	437093.9	3725206	8.66E-04	1.71E-04	9.20E-04	9.48E-05
314	437097.9	3725197	8.77E-04	1.73E-04	9.31E-04	9.59E-05
315	437101.9	3725189	8.86E-04	1.75E-04	9.42E-04	9.70E-05
316	437105.9	3725180	8.96E-04	1.77E-04	9.52E-04	9.81E-05
317	437129.9	3725130	9.53E-04	1.88E-04	1.01E-03	1.04E-04
318	437133.9	3725122	9.62E-04	1.90E-04	1.02E-03	1.05E-04
319	437137.9	3725113	9.70E-04	1.92E-04	1.03E-03	1.06E-04
320	437141.9	3725105	9.78E-04	1.93E-04	1.04E-03	1.07E-04
321	437145.9	3725096	9.86E-04	1.95E-04	1.05E-03	1.08E-04
322	437149.9	3725088	9.93E-04	1.96E-04	1.05E-03	1.09E-04
323	437153.9	3725080	9.99E-04	1.97E-04	1.06E-03	1.09E-04
324	437157.9	3725071	1.00E-03	1.98E-04	1.07E-03	1.10E-04
325	437161.8	3725063	1.01E-03	1.99E-04	1.07E-03	1.10E-04
326	437165.8	3725054	1.01E-03	2.00E-04	1.08E-03	1.11E-04
327	437169.8	3725046	1.01E-03	2.00E-04	1.08E-03	1.11E-04
328	437173.8	3725038	1.02E-03	2.01E-04	1.08E-03	1.11E-04
329	437177.8	3725029	1.02E-03	2.01E-04	1.08E-03	1.11E-04
330	437213.8	3724954	9.49E-04	1.87E-04	1.01E-03	1.04E-04
331	437217.8	3724945	9.38E-04	1.85E-04	9.96E-04	1.03E-04
332	437221.8	3724937	9.27E-04	1.83E-04	9.84E-04	1.01E-04
333	437225.8	3724929	9.16E-04	1.81E-04	9.73E-04	1.00E-04
334	437229.8	3724920	9.06E-04	1.79E-04	9.62E-04	9.91E-05
335	437143.6	3725469	1.05E-03	2.08E-04	1.12E-03	1.15E-04
336	437140.5	3725460	1.04E-03	2.06E-04	1.11E-03	1.14E-04
337	437137.4	3725451	1.04E-03	2.05E-04	1.10E-03	1.13E-04
338	437134.2	3725442	1.03E-03	2.03E-04	1.09E-03	1.13E-04
339	437131.1	3725434	1.02E-03	2.02E-04	1.09E-03	1.12E-04
340	437128	3725425	1.02E-03	2.01E-04	1.08E-03	1.11E-04
341	437124.8	3725416	1.00E-03	1.98E-04	1.07E-03	1.10E-04
342	437121.7	3725407	9.93E-04	1.96E-04	1.05E-03	1.09E-04
343	437109.2	3725371	9.47E-04	1.87E-04	1.01E-03	1.04E-04
344	437106	3725363	9.36E-04	1.85E-04	9.94E-04	1.02E-04
345	437102.9	3725354	9.25E-04	1.83E-04	9.82E-04	1.01E-04
346	437081	3725292	8.46E-04	1.67E-04	8.99E-04	9.26E-05
347	437077.8	3725283	8.35E-04	1.65E-04	8.87E-04	9.14E-05
348	437074.7	3725274	8.24E-04	1.63E-04	8.76E-04	9.02E-05
349	437071.6	3725265	8.14E-04	1.61E-04	8.64E-04	8.90E-05
350	437062.2	3725238	7.82E-04	1.54E-04	8.31E-04	8.56E-05
351	437059.1	3725230	7.72E-04	1.53E-04	8.20E-04	8.45E-05
352	437060	3725212	7.71E-04	1.52E-04	8.19E-04	8.43E-05
353	437064	3725204	7.79E-04	1.54E-04	8.28E-04	8.53E-05
354	437068.1	3725195	7.88E-04	1.56E-04	8.37E-04	8.62E-05
355	437072.1	3725187	7.97E-04	1.57E-04	8.46E-04	8.72E-05
356	437076.2	3725178	8.06E-04	1.59E-04	8.56E-04	8.81E-05
357	437104.5	3725119	8.64E-04	1.71E-04	9.18E-04	9.46E-05
358	437108.5	3725110	8.72E-04	1.72E-04	9.26E-04	9.54E-05

359	437112.6	3725102	8.80E-04	1.74E-04	9.34E-04	9.62E-05
360	437116.6	3725093	8.87E-04	1.75E-04	9.42E-04	9.70E-05
361	437120.7	3725085	8.93E-04	1.76E-04	9.49E-04	9.77E-05
362	437124.7	3725076	8.99E-04	1.78E-04	9.55E-04	9.84E-05
363	437128.8	3725068	9.05E-04	1.79E-04	9.61E-04	9.90E-05
364	437132.8	3725059	9.10E-04	1.80E-04	9.66E-04	9.95E-05
365	437136.8	3725051	9.14E-04	1.81E-04	9.71E-04	1.00E-04
366	437140.9	3725042	9.18E-04	1.81E-04	9.75E-04	1.00E-04
367	437144.9	3725034	9.20E-04	1.82E-04	9.78E-04	1.01E-04
368	437149	3725025	9.22E-04	1.82E-04	9.79E-04	1.01E-04
369	437153	3725017	9.23E-04	1.82E-04	9.80E-04	1.01E-04
370	437157.1	3725008	9.23E-04	1.82E-04	9.80E-04	1.01E-04
371	437161.1	3725000	9.22E-04	1.82E-04	9.79E-04	1.01E-04
372	437197.5	3724924	8.57E-04	1.69E-04	9.10E-04	9.38E-05
373	437201.6	3724915	8.46E-04	1.67E-04	8.99E-04	9.26E-05
374	437205.6	3724907	8.37E-04	1.65E-04	8.89E-04	9.16E-05
375	437209.7	3724898	8.26E-04	1.63E-04	8.77E-04	9.03E-05
376	437115.6	3725473	9.35E-04	1.85E-04	9.93E-04	1.02E-04
377	437112.5	3725464	9.28E-04	1.83E-04	9.86E-04	1.02E-04
378	437109.4	3725455	9.20E-04	1.82E-04	9.77E-04	1.01E-04
379	437106.3	3725447	9.13E-04	1.80E-04	9.70E-04	9.99E-05
380	437103.2	3725438	9.07E-04	1.79E-04	9.63E-04	9.92E-05
381	437100.1	3725429	9.01E-04	1.78E-04	9.57E-04	9.86E-05
382	437097	3725420	8.95E-04	1.77E-04	9.50E-04	9.79E-05
383	437093.9	3725412	8.88E-04	1.75E-04	9.43E-04	9.71E-05
384	437081.6	3725377	8.53E-04	1.69E-04	9.06E-04	9.33E-05
385	437078.5	3725368	8.43E-04	1.67E-04	8.96E-04	9.23E-05
386	437075.4	3725359	8.33E-04	1.65E-04	8.85E-04	9.12E-05
387	437072.3	3725350	8.25E-04	1.63E-04	8.76E-04	9.02E-05
388	437069.2	3725342	8.16E-04	1.61E-04	8.66E-04	8.92E-05
389	437066.1	3725333	8.06E-04	1.59E-04	8.56E-04	8.82E-05
390	437063	3725324	7.97E-04	1.57E-04	8.47E-04	8.72E-05
391	437060	3725315	7.88E-04	1.56E-04	8.37E-04	8.62E-05
392	437056.9	3725307	7.79E-04	1.54E-04	8.27E-04	8.52E-05
393	437053.8	3725298	7.69E-04	1.52E-04	8.17E-04	8.42E-05
394	437050.7	3725289	7.60E-04	1.50E-04	8.08E-04	8.32E-05
395	437047.6	3725280	7.51E-04	1.48E-04	7.98E-04	8.22E-05
396	437044.5	3725272	7.43E-04	1.47E-04	7.89E-04	8.12E-05
397	437041.4	3725263	7.34E-04	1.45E-04	7.79E-04	8.02E-05
398	437032.1	3725237	7.07E-04	1.40E-04	7.52E-04	7.74E-05
399	437029.1	3725228	6.99E-04	1.38E-04	7.43E-04	7.65E-05
400	437030	3725211	6.98E-04	1.38E-04	7.42E-04	7.64E-05
401	437033.9	3725202	7.06E-04	1.39E-04	7.49E-04	7.72E-05
402	437037.9	3725194	7.13E-04	1.41E-04	7.57E-04	7.80E-05
403	437041.9	3725186	7.20E-04	1.42E-04	7.65E-04	7.88E-05
404	437045.9	3725177	7.28E-04	1.44E-04	7.73E-04	7.96E-05
405	437085.8	3725093	7.99E-04	1.58E-04	8.49E-04	8.74E-05
406	437089.8	3725085	8.05E-04	1.59E-04	8.55E-04	8.81E-05
407	437093.8	3725077	8.11E-04	1.60E-04	8.62E-04	8.87E-05
408	437097.8	3725068	8.17E-04	1.61E-04	8.68E-04	8.93E-05
409	437101.8	3725060	8.22E-04	1.62E-04	8.73E-04	8.99E-05
410	437105.8	3725052	8.26E-04	1.63E-04	8.78E-04	9.04E-05

411	437109.8	3725043	8.31E-04	1.64E-04	8.82E-04	9.09E-05
412	437113.8	3725035	8.34E-04	1.65E-04	8.86E-04	9.12E-05
413	437117.8	3725026	8.37E-04	1.65E-04	8.89E-04	9.16E-05
414	437121.8	3725018	8.39E-04	1.66E-04	8.91E-04	9.18E-05
415	437125.8	3725010	8.41E-04	1.66E-04	8.93E-04	9.19E-05
416	437129.8	3725001	8.41E-04	1.66E-04	8.94E-04	9.20E-05
417	437133.7	3724993	8.41E-04	1.66E-04	8.94E-04	9.20E-05
418	437137.7	3724985	8.41E-04	1.66E-04	8.93E-04	9.19E-05
419	437141.7	3724976	8.39E-04	1.66E-04	8.91E-04	9.18E-05
420	437145.7	3724968	8.37E-04	1.65E-04	8.89E-04	9.15E-05
421	437177.7	3724901	7.88E-04	1.56E-04	8.37E-04	8.62E-05
422	437181.7	3724892	7.78E-04	1.54E-04	8.27E-04	8.51E-05
423	437185.6	3724884	7.68E-04	1.52E-04	8.16E-04	8.40E-05
424	437189.6	3724876	7.57E-04	1.49E-04	8.04E-04	8.28E-05
425	437086.6	3725474	8.35E-04	1.65E-04	8.87E-04	9.13E-05
426	437083.5	3725465	8.29E-04	1.64E-04	8.81E-04	9.07E-05
427	437080.3	3725456	8.24E-04	1.63E-04	8.76E-04	9.02E-05
428	437077.2	3725447	8.19E-04	1.62E-04	8.70E-04	8.96E-05
429	437074.1	3725439	8.11E-04	1.60E-04	8.62E-04	8.88E-05
430	437071	3725430	8.04E-04	1.59E-04	8.54E-04	8.79E-05
431	437067.8	3725421	7.96E-04	1.57E-04	8.46E-04	8.71E-05
432	437064.7	3725412	7.89E-04	1.56E-04	8.38E-04	8.63E-05
433	437055.3	3725386	7.67E-04	1.51E-04	8.15E-04	8.39E-05
434	437052.2	3725377	7.59E-04	1.50E-04	8.07E-04	8.31E-05
435	437049.1	3725368	7.52E-04	1.49E-04	7.99E-04	8.23E-05
436	437046	3725359	7.45E-04	1.47E-04	7.92E-04	8.15E-05
437	437042.9	3725350	7.39E-04	1.46E-04	7.85E-04	8.08E-05
438	437039.7	3725341	7.32E-04	1.45E-04	7.77E-04	8.01E-05
439	437036.6	3725333	7.25E-04	1.43E-04	7.70E-04	7.93E-05
440	437024.1	3725297	6.98E-04	1.38E-04	7.41E-04	7.63E-05
441	437021	3725288	6.90E-04	1.36E-04	7.33E-04	7.55E-05
442	437017.9	3725279	6.82E-04	1.35E-04	7.25E-04	7.46E-05
443	437014.7	3725271	6.75E-04	1.33E-04	7.17E-04	7.38E-05
444	437011.6	3725262	6.67E-04	1.32E-04	7.08E-04	7.30E-05
445	437002.2	3725235	6.44E-04	1.27E-04	6.84E-04	7.05E-05
446	436999.1	3725226	6.37E-04	1.26E-04	6.77E-04	6.97E-05
447	437000	3725209	6.37E-04	1.26E-04	6.77E-04	6.97E-05
448	437004.1	3725201	6.43E-04	1.27E-04	6.83E-04	7.04E-05
449	437008.1	3725192	6.50E-04	1.28E-04	6.90E-04	7.11E-05
450	437012.1	3725184	6.56E-04	1.30E-04	6.97E-04	7.18E-05
451	437048.5	3725107	7.08E-04	1.40E-04	7.53E-04	7.75E-05
452	437052.5	3725099	7.14E-04	1.41E-04	7.59E-04	7.81E-05
453	437056.5	3725091	7.21E-04	1.42E-04	7.65E-04	7.88E-05
454	437060.6	3725082	7.30E-04	1.44E-04	7.76E-04	7.99E-05
455	437064.6	3725074	7.37E-04	1.46E-04	7.83E-04	8.06E-05
456	437068.6	3725065	7.43E-04	1.47E-04	7.89E-04	8.12E-05
457	437072.7	3725057	7.48E-04	1.48E-04	7.94E-04	8.18E-05
458	437076.7	3725048	7.52E-04	1.49E-04	7.99E-04	8.23E-05
459	437080.7	3725040	7.57E-04	1.49E-04	8.04E-04	8.28E-05
460	437084.8	3725031	7.61E-04	1.50E-04	8.08E-04	8.32E-05
461	437088.8	3725023	7.64E-04	1.51E-04	8.11E-04	8.35E-05
462	437092.8	3725014	7.66E-04	1.51E-04	8.14E-04	8.38E-05

463	437096.9	3725006	7.69E-04	1.52E-04	8.16E-04	8.41E-05
464	437100.9	3724997	7.70E-04	1.52E-04	8.18E-04	8.42E-05
465	437104.9	3724989	7.71E-04	1.52E-04	8.19E-04	8.43E-05
466	437109	3724980	7.71E-04	1.52E-04	8.19E-04	8.43E-05
467	437113	3724972	7.70E-04	1.52E-04	8.18E-04	8.43E-05
468	437117	3724964	7.69E-04	1.52E-04	8.17E-04	8.42E-05
469	437121.1	3724955	7.67E-04	1.52E-04	8.15E-04	8.39E-05
470	437125.1	3724947	7.65E-04	1.51E-04	8.12E-04	8.37E-05
471	437129.2	3724938	7.62E-04	1.50E-04	8.09E-04	8.33E-05
472	437161.4	3724870	7.11E-04	1.41E-04	7.56E-04	7.78E-05
473	437165.5	3724862	7.02E-04	1.39E-04	7.46E-04	7.68E-05
474	437169.5	3724853	6.92E-04	1.37E-04	7.35E-04	7.57E-05
475	437003.1	3725321	6.46E-04	1.28E-04	6.86E-04	7.06E-05
476	437000	3725312	6.40E-04	1.26E-04	6.79E-04	7.00E-05
477	436996.9	3725303	6.34E-04	1.25E-04	6.73E-04	6.93E-05
478	436993.8	3725295	6.27E-04	1.24E-04	6.67E-04	6.86E-05
479	436990.7	3725286	6.21E-04	1.23E-04	6.60E-04	6.80E-05
480	436987.6	3725277	6.15E-04	1.21E-04	6.53E-04	6.73E-05
481	436984.6	3725268	6.08E-04	1.20E-04	6.46E-04	6.65E-05
482	436972.2	3725233	5.83E-04	1.15E-04	6.19E-04	6.37E-05
483	436969.1	3725225	5.79E-04	1.14E-04	6.15E-04	6.33E-05
484	436970	3725208	5.85E-04	1.15E-04	6.21E-04	6.40E-05
485	436974	3725199	5.90E-04	1.17E-04	6.27E-04	6.45E-05
486	436978	3725191	5.96E-04	1.18E-04	6.33E-04	6.52E-05
487	436982	3725183	6.01E-04	1.19E-04	6.39E-04	6.58E-05
488	437009.9	3725124	6.28E-04	1.24E-04	6.68E-04	6.87E-05
489	437013.9	3725116	6.31E-04	1.25E-04	6.70E-04	6.90E-05
490	437017.9	3725107	6.35E-04	1.25E-04	6.74E-04	6.94E-05
491	437021.9	3725099	6.39E-04	1.26E-04	6.79E-04	6.99E-05
492	437025.9	3725090	6.44E-04	1.27E-04	6.84E-04	7.05E-05
493	437029.8	3725082	6.50E-04	1.28E-04	6.91E-04	7.11E-05
494	437033.8	3725074	6.58E-04	1.30E-04	6.99E-04	7.20E-05
495	437037.8	3725065	6.66E-04	1.32E-04	7.08E-04	7.29E-05
496	437041.8	3725057	6.74E-04	1.33E-04	7.16E-04	7.38E-05
497	437045.8	3725049	6.85E-04	1.35E-04	7.27E-04	7.49E-05
498	437049.8	3725040	6.91E-04	1.36E-04	7.34E-04	7.56E-05
499	437053.8	3725032	6.95E-04	1.37E-04	7.38E-04	7.60E-05
500	437057.7	3725024	6.98E-04	1.38E-04	7.42E-04	7.64E-05
501	437061.7	3725015	7.02E-04	1.39E-04	7.45E-04	7.68E-05
502	437065.7	3725007	7.04E-04	1.39E-04	7.48E-04	7.70E-05
503	437069.7	3724998	7.06E-04	1.39E-04	7.50E-04	7.73E-05
504	437073.7	3724990	7.08E-04	1.40E-04	7.52E-04	7.74E-05
505	437077.7	3724982	7.09E-04	1.40E-04	7.53E-04	7.76E-05
506	437081.7	3724973	7.10E-04	1.40E-04	7.54E-04	7.77E-05
507	437085.7	3724965	7.10E-04	1.40E-04	7.54E-04	7.77E-05
508	437089.6	3724957	7.10E-04	1.40E-04	7.54E-04	7.76E-05
509	437093.6	3724948	7.09E-04	1.40E-04	7.53E-04	7.75E-05
510	437097.6	3724940	7.07E-04	1.40E-04	7.51E-04	7.73E-05
511	437101.6	3724932	7.05E-04	1.39E-04	7.49E-04	7.71E-05
512	437105.6	3724923	7.02E-04	1.39E-04	7.46E-04	7.68E-05
513	437109.6	3724915	6.99E-04	1.38E-04	7.42E-04	7.65E-05
514	437137.5	3724856	6.60E-04	1.30E-04	7.01E-04	7.22E-05

515	437141.5	3724848	6.53E-04	1.29E-04	6.93E-04	7.14E-05
516	437145.5	3724839	6.45E-04	1.27E-04	6.85E-04	7.05E-05
517	437149.5	3724831	6.36E-04	1.26E-04	6.76E-04	6.96E-05
518	437032.7	3725488	6.90E-04	1.36E-04	7.33E-04	7.55E-05
519	437029.6	3725479	6.84E-04	1.35E-04	7.27E-04	7.48E-05
520	437026.5	3725470	6.78E-04	1.34E-04	7.20E-04	7.42E-05
521	437023.3	3725461	6.72E-04	1.33E-04	7.14E-04	7.35E-05
522	437020.2	3725453	6.66E-04	1.31E-04	7.07E-04	7.28E-05
523	437017.1	3725444	6.60E-04	1.30E-04	7.01E-04	7.22E-05
524	437014	3725435	6.54E-04	1.29E-04	6.95E-04	7.16E-05
525	437010.9	3725426	6.49E-04	1.28E-04	6.89E-04	7.10E-05
526	436998.4	3725391	6.28E-04	1.24E-04	6.67E-04	6.87E-05
527	436995.3	3725382	6.23E-04	1.23E-04	6.61E-04	6.81E-05
528	436992.2	3725373	6.17E-04	1.22E-04	6.56E-04	6.75E-05
529	436989.1	3725364	6.12E-04	1.21E-04	6.50E-04	6.69E-05
530	436985.9	3725356	6.07E-04	1.20E-04	6.45E-04	6.64E-05
531	436982.8	3725347	6.02E-04	1.19E-04	6.39E-04	6.58E-05
532	436979.7	3725338	5.97E-04	1.18E-04	6.34E-04	6.53E-05
533	436976.6	3725329	5.92E-04	1.17E-04	6.29E-04	6.48E-05
534	436973.5	3725320	5.87E-04	1.16E-04	6.24E-04	6.42E-05
535	436970.4	3725311	5.82E-04	1.15E-04	6.18E-04	6.36E-05
536	436967.2	3725303	5.76E-04	1.14E-04	6.11E-04	6.30E-05
537	436964.1	3725294	5.70E-04	1.13E-04	6.05E-04	6.23E-05
538	436961	3725285	5.63E-04	1.11E-04	5.98E-04	6.15E-05
539	436957.9	3725276	5.56E-04	1.10E-04	5.90E-04	6.08E-05
540	436954.8	3725267	5.49E-04	1.08E-04	5.83E-04	6.01E-05
541	436945.4	3725241	5.35E-04	1.06E-04	5.68E-04	5.85E-05
542	436942.3	3725232	5.31E-04	1.05E-04	5.64E-04	5.81E-05
543	436939.2	3725223	5.27E-04	1.04E-04	5.60E-04	5.77E-05
544	436940.1	3725206	5.32E-04	1.05E-04	5.66E-04	5.82E-05
545	436944.1	3725198	5.39E-04	1.07E-04	5.73E-04	5.90E-05
546	436948.2	3725189	5.47E-04	1.08E-04	5.81E-04	5.98E-05
547	436952.2	3725181	5.54E-04	1.09E-04	5.89E-04	6.06E-05
548	436988.4	3725105	5.83E-04	1.15E-04	6.20E-04	6.38E-05
549	436992.4	3725096	5.86E-04	1.16E-04	6.23E-04	6.41E-05
550	436996.5	3725088	5.89E-04	1.16E-04	6.26E-04	6.45E-05
551	437000.5	3725079	5.94E-04	1.17E-04	6.31E-04	6.50E-05
552	437004.5	3725071	6.00E-04	1.18E-04	6.37E-04	6.56E-05
553	437008.5	3725062	6.06E-04	1.20E-04	6.44E-04	6.63E-05
554	437012.6	3725054	6.13E-04	1.21E-04	6.51E-04	6.70E-05
555	437016.6	3725045	6.22E-04	1.23E-04	6.60E-04	6.80E-05
556	437020.6	3725037	6.31E-04	1.25E-04	6.70E-04	6.90E-05
557	437024.7	3725029	6.40E-04	1.26E-04	6.80E-04	7.00E-05
558	437028.7	3725020	6.43E-04	1.27E-04	6.83E-04	7.03E-05
559	437032.7	3725012	6.46E-04	1.28E-04	6.86E-04	7.07E-05
560	437036.7	3725003	6.49E-04	1.28E-04	6.89E-04	7.10E-05
561	437040.8	3724995	6.51E-04	1.29E-04	6.92E-04	7.12E-05
562	437044.8	3724986	6.53E-04	1.29E-04	6.94E-04	7.14E-05
563	437048.8	3724978	6.54E-04	1.29E-04	6.95E-04	7.16E-05
564	437052.8	3724969	6.55E-04	1.29E-04	6.96E-04	7.17E-05
565	437056.9	3724961	6.56E-04	1.30E-04	6.97E-04	7.18E-05
566	437060.9	3724953	6.57E-04	1.30E-04	6.98E-04	7.18E-05

567	437064.9	3724944	6.56E-04	1.30E-04	6.97E-04	7.18E-05
568	437068.9	3724936	6.56E-04	1.30E-04	6.97E-04	7.18E-05
569	437073	3724927	6.55E-04	1.29E-04	6.95E-04	7.16E-05
570	437077	3724919	6.53E-04	1.29E-04	6.94E-04	7.14E-05
571	437081	3724910	6.51E-04	1.29E-04	6.92E-04	7.12E-05
572	437085	3724902	6.48E-04	1.28E-04	6.89E-04	7.09E-05
573	437089.1	3724893	6.45E-04	1.27E-04	6.85E-04	7.06E-05
574	437093.1	3724885	6.42E-04	1.27E-04	6.82E-04	7.02E-05
575	437117.2	3724834	6.09E-04	1.20E-04	6.47E-04	6.66E-05
576	437121.3	3724826	6.02E-04	1.19E-04	6.39E-04	6.58E-05
577	437125.3	3724817	5.94E-04	1.17E-04	6.31E-04	6.50E-05
578	437129.3	3724809	5.87E-04	1.16E-04	6.23E-04	6.42E-05
579	436993.2	3725487	6.03E-04	1.19E-04	6.41E-04	6.60E-05
580	436990.1	3725478	5.98E-04	1.18E-04	6.35E-04	6.54E-05
581	436987	3725470	5.92E-04	1.17E-04	6.29E-04	6.48E-05
582	436983.8	3725461	5.88E-04	1.16E-04	6.24E-04	6.43E-05
583	436980.7	3725452	5.83E-04	1.15E-04	6.20E-04	6.38E-05
584	436977.6	3725443	5.79E-04	1.14E-04	6.15E-04	6.33E-05
585	436974.4	3725434	5.74E-04	1.13E-04	6.10E-04	6.28E-05
586	436965	3725407	5.63E-04	1.11E-04	5.98E-04	6.15E-05
587	436961.9	3725399	5.58E-04	1.10E-04	5.93E-04	6.11E-05
588	436946.3	3725354	5.38E-04	1.06E-04	5.72E-04	5.89E-05
589	436943.1	3725345	5.34E-04	1.06E-04	5.68E-04	5.85E-05
590	436940	3725336	5.30E-04	1.05E-04	5.63E-04	5.80E-05
591	436936.9	3725328	5.27E-04	1.04E-04	5.59E-04	5.76E-05
592	436933.7	3725319	5.22E-04	1.03E-04	5.54E-04	5.71E-05
593	436930.6	3725310	5.17E-04	1.02E-04	5.49E-04	5.65E-05
594	436927.5	3725301	5.11E-04	1.01E-04	5.43E-04	5.60E-05
595	436924.3	3725292	5.06E-04	1.00E-04	5.38E-04	5.54E-05
596	436921.2	3725283	5.01E-04	9.89E-05	5.32E-04	5.48E-05
597	436918.1	3725274	4.95E-04	9.79E-05	5.26E-04	5.42E-05
598	436914.9	3725266	4.90E-04	9.68E-05	5.21E-04	5.36E-05
599	436905.5	3725239	4.79E-04	9.47E-05	5.09E-04	5.24E-05
600	436902.4	3725230	4.76E-04	9.41E-05	5.06E-04	5.21E-05
601	436899.3	3725221	4.73E-04	9.34E-05	5.02E-04	5.17E-05
602	436900.2	3725204	4.75E-04	9.39E-05	5.05E-04	5.20E-05
603	436904.2	3725195	4.81E-04	9.49E-05	5.10E-04	5.26E-05
604	436908.3	3725187	4.86E-04	9.60E-05	5.16E-04	5.32E-05
605	436912.3	3725178	4.91E-04	9.70E-05	5.22E-04	5.37E-05
606	436948.7	3725102	5.22E-04	1.03E-04	5.55E-04	5.71E-05
607	436952.8	3725093	5.26E-04	1.04E-04	5.59E-04	5.76E-05
608	436956.8	3725085	5.30E-04	1.05E-04	5.63E-04	5.80E-05
609	436960.9	3725076	5.33E-04	1.05E-04	5.66E-04	5.83E-05
610	436964.9	3725068	5.36E-04	1.06E-04	5.69E-04	5.86E-05
611	436969	3725059	5.38E-04	1.06E-04	5.72E-04	5.89E-05
612	436973	3725051	5.44E-04	1.07E-04	5.77E-04	5.95E-05
613	436977.1	3725042	5.50E-04	1.09E-04	5.84E-04	6.02E-05
614	436981.1	3725034	5.57E-04	1.10E-04	5.91E-04	6.09E-05
615	436985.2	3725025	5.64E-04	1.11E-04	5.99E-04	6.16E-05
616	436989.2	3725017	5.68E-04	1.12E-04	6.03E-04	6.21E-05
617	436993.3	3725009	5.71E-04	1.13E-04	6.07E-04	6.25E-05
618	436997.3	3725000	5.75E-04	1.14E-04	6.10E-04	6.29E-05

619	437001.3	3724992	5.76E-04	1.14E-04	6.11E-04	6.30E-05
620	437005.4	3724983	5.75E-04	1.14E-04	6.11E-04	6.29E-05
621	437009.4	3724975	5.74E-04	1.13E-04	6.09E-04	6.28E-05
622	437013.5	3724966	5.73E-04	1.13E-04	6.08E-04	6.26E-05
623	437017.5	3724958	5.74E-04	1.13E-04	6.10E-04	6.28E-05
624	437021.6	3724949	5.77E-04	1.14E-04	6.13E-04	6.31E-05
625	437025.6	3724941	5.79E-04	1.14E-04	6.15E-04	6.33E-05
626	437029.7	3724932	5.83E-04	1.15E-04	6.19E-04	6.38E-05
627	437033.7	3724924	5.89E-04	1.16E-04	6.25E-04	6.44E-05
628	437037.8	3724915	5.94E-04	1.17E-04	6.31E-04	6.49E-05
629	437041.8	3724907	5.95E-04	1.17E-04	6.32E-04	6.51E-05
630	437045.9	3724898	5.93E-04	1.17E-04	6.30E-04	6.49E-05
631	437049.9	3724890	5.92E-04	1.17E-04	6.29E-04	6.47E-05
632	437053.9	3724881	5.90E-04	1.16E-04	6.26E-04	6.45E-05
633	437058	3724873	5.87E-04	1.16E-04	6.23E-04	6.42E-05
634	437062	3724864	5.84E-04	1.15E-04	6.20E-04	6.39E-05
635	437066.1	3724856	5.80E-04	1.15E-04	6.16E-04	6.35E-05
636	437070.1	3724847	5.76E-04	1.14E-04	6.12E-04	6.30E-05
637	437090.4	3724805	5.51E-04	1.09E-04	5.85E-04	6.02E-05
638	437094.4	3724796	5.44E-04	1.08E-04	5.78E-04	5.95E-05
639	437098.5	3724788	5.38E-04	1.06E-04	5.71E-04	5.89E-05
640	437102.5	3724779	5.31E-04	1.05E-04	5.64E-04	5.81E-05
641	436956.9	3725495	5.35E-04	1.06E-04	5.69E-04	5.86E-05
642	436953.7	3725486	5.31E-04	1.05E-04	5.64E-04	5.81E-05
643	436950.6	3725477	5.27E-04	1.04E-04	5.60E-04	5.77E-05
644	436947.4	3725469	5.24E-04	1.03E-04	5.56E-04	5.73E-05
645	436944.3	3725460	5.20E-04	1.03E-04	5.53E-04	5.69E-05
646	436941.1	3725451	5.17E-04	1.02E-04	5.49E-04	5.66E-05
647	436938	3725442	5.14E-04	1.02E-04	5.46E-04	5.62E-05
648	436925.4	3725406	5.01E-04	9.89E-05	5.32E-04	5.48E-05
649	436922.3	3725397	4.98E-04	9.83E-05	5.29E-04	5.45E-05
650	436919.1	3725388	4.95E-04	9.78E-05	5.26E-04	5.42E-05
651	436916	3725379	4.92E-04	9.72E-05	5.23E-04	5.38E-05
652	436912.8	3725371	4.89E-04	9.66E-05	5.20E-04	5.35E-05
653	436887.7	3725299	4.58E-04	9.05E-05	4.87E-04	5.01E-05
654	436884.5	3725290	4.54E-04	8.97E-05	4.82E-04	4.97E-05
655	436881.4	3725281	4.50E-04	8.88E-05	4.78E-04	4.92E-05
656	436878.2	3725273	4.46E-04	8.80E-05	4.73E-04	4.87E-05
657	436865.6	3725237	4.34E-04	8.57E-05	4.61E-04	4.75E-05
658	436862.5	3725228	4.32E-04	8.53E-05	4.59E-04	4.73E-05
659	436859.3	3725219	4.30E-04	8.50E-05	4.57E-04	4.71E-05
660	436860.3	3725202	4.34E-04	8.56E-05	4.61E-04	4.74E-05
661	436864.3	3725193	4.38E-04	8.65E-05	4.65E-04	4.79E-05
662	436868.4	3725185	4.42E-04	8.74E-05	4.70E-04	4.84E-05
663	436900.9	3725116	4.65E-04	9.17E-05	4.93E-04	5.08E-05
664	436905	3725108	4.67E-04	9.22E-05	4.96E-04	5.11E-05
665	436909	3725099	4.69E-04	9.27E-05	4.99E-04	5.13E-05
666	436913.1	3725091	4.72E-04	9.32E-05	5.01E-04	5.16E-05
667	436917.2	3725082	4.75E-04	9.38E-05	5.05E-04	5.20E-05
668	436921.2	3725074	4.78E-04	9.44E-05	5.08E-04	5.23E-05
669	436925.3	3725065	4.81E-04	9.50E-05	5.11E-04	5.26E-05
670	436929.4	3725057	4.84E-04	9.55E-05	5.14E-04	5.29E-05

671	436933.4	3725048	4.88E-04	9.64E-05	5.18E-04	5.34E-05
672	436937.5	3725040	4.92E-04	9.72E-05	5.23E-04	5.38E-05
673	436941.6	3725031	4.97E-04	9.81E-05	5.28E-04	5.43E-05
674	436945.6	3725023	5.01E-04	9.91E-05	5.33E-04	5.49E-05
675	436949.7	3725014	5.07E-04	1.00E-04	5.38E-04	5.54E-05
676	436953.7	3725005	5.11E-04	1.01E-04	5.43E-04	5.60E-05
677	436957.8	3724997	5.16E-04	1.02E-04	5.48E-04	5.65E-05
678	436961.9	3724988	5.17E-04	1.02E-04	5.49E-04	5.66E-05
679	436965.9	3724980	5.17E-04	1.02E-04	5.49E-04	5.66E-05
680	436970	3724971	5.17E-04	1.02E-04	5.49E-04	5.66E-05
681	436974.1	3724963	5.18E-04	1.02E-04	5.50E-04	5.66E-05
682	436978.1	3724954	5.19E-04	1.03E-04	5.51E-04	5.68E-05
683	436982.2	3724946	5.20E-04	1.03E-04	5.52E-04	5.69E-05
684	436986.3	3724937	5.21E-04	1.03E-04	5.53E-04	5.70E-05
685	436990.3	3724929	5.27E-04	1.04E-04	5.59E-04	5.76E-05
686	436994.4	3724920	5.34E-04	1.05E-04	5.67E-04	5.84E-05
687	436998.5	3724912	5.41E-04	1.07E-04	5.75E-04	5.92E-05
688	437002.5	3724903	5.46E-04	1.08E-04	5.80E-04	5.97E-05
689	437006.6	3724895	5.46E-04	1.08E-04	5.79E-04	5.97E-05
690	437010.7	3724886	5.45E-04	1.08E-04	5.78E-04	5.96E-05
691	437014.7	3724878	5.43E-04	1.07E-04	5.77E-04	5.94E-05
692	437018.8	3724869	5.42E-04	1.07E-04	5.75E-04	5.93E-05
693	437022.9	3724860	5.40E-04	1.07E-04	5.73E-04	5.90E-05
694	437026.9	3724852	5.37E-04	1.06E-04	5.71E-04	5.88E-05
695	437059.4	3724784	5.07E-04	1.00E-04	5.39E-04	5.55E-05
696	437063.5	3724775	5.02E-04	9.91E-05	5.33E-04	5.49E-05
697	437067.6	3724767	4.97E-04	9.81E-05	5.28E-04	5.43E-05
698	437071.6	3724758	4.91E-04	9.69E-05	5.21E-04	5.37E-05
699	437075.7	3724750	4.84E-04	9.57E-05	5.15E-04	5.30E-05
700	436918.7	3725498	4.83E-04	9.54E-05	5.13E-04	5.28E-05
701	436915.6	3725489	4.79E-04	9.46E-05	5.09E-04	5.24E-05
702	436912.5	3725481	4.76E-04	9.40E-05	5.05E-04	5.20E-05
703	436909.4	3725472	4.72E-04	9.33E-05	5.02E-04	5.17E-05
704	436906.3	3725463	4.69E-04	9.27E-05	4.99E-04	5.13E-05
705	436903.2	3725454	4.66E-04	9.21E-05	4.95E-04	5.10E-05
706	436900.1	3725446	4.64E-04	9.16E-05	4.92E-04	5.07E-05
707	436893.9	3725428	4.59E-04	9.06E-05	4.87E-04	5.02E-05
708	436890.8	3725419	4.56E-04	9.01E-05	4.85E-04	4.99E-05
709	436887.7	3725410	4.54E-04	8.96E-05	4.82E-04	4.96E-05
710	436884.6	3725402	4.52E-04	8.92E-05	4.80E-04	4.94E-05
711	436881.5	3725393	4.49E-04	8.87E-05	4.77E-04	4.91E-05
712	436878.4	3725384	4.47E-04	8.82E-05	4.75E-04	4.89E-05
713	436875.3	3725375	4.44E-04	8.77E-05	4.71E-04	4.86E-05
714	436872.2	3725366	4.41E-04	8.71E-05	4.68E-04	4.82E-05
715	436869	3725358	4.38E-04	8.66E-05	4.66E-04	4.79E-05
716	436865.9	3725349	4.35E-04	8.59E-05	4.62E-04	4.76E-05
717	436862.8	3725340	4.32E-04	8.53E-05	4.59E-04	4.73E-05
718	436859.7	3725331	4.29E-04	8.47E-05	4.55E-04	4.69E-05
719	436856.6	3725322	4.26E-04	8.41E-05	4.52E-04	4.66E-05
720	436853.5	3725314	4.22E-04	8.34E-05	4.49E-04	4.62E-05
721	436850.4	3725305	4.19E-04	8.28E-05	4.45E-04	4.59E-05
722	436847.3	3725296	4.16E-04	8.22E-05	4.42E-04	4.55E-05

723	436844.2	3725287	4.13E-04	8.16E-05	4.39E-04	4.52E-05
724	436841.1	3725278	4.10E-04	8.09E-05	4.35E-04	4.48E-05
725	436838	3725270	4.07E-04	8.04E-05	4.32E-04	4.45E-05
726	436828.7	3725243	3.99E-04	7.87E-05	4.23E-04	4.36E-05
727	436825.6	3725234	3.96E-04	7.83E-05	4.21E-04	4.33E-05
728	436822.5	3725226	3.94E-04	7.79E-05	4.19E-04	4.31E-05
729	436819.4	3725217	3.92E-04	7.75E-05	4.17E-04	4.29E-05
730	436820.3	3725200	3.94E-04	7.78E-05	4.18E-04	4.31E-05
731	436824.3	3725191	3.97E-04	7.85E-05	4.22E-04	4.35E-05
732	436828.3	3725183	4.01E-04	7.92E-05	4.26E-04	4.39E-05
733	436876.4	3725082	4.31E-04	8.51E-05	4.58E-04	4.71E-05
734	436880.4	3725073	4.34E-04	8.56E-05	4.61E-04	4.74E-05
735	436884.5	3725065	4.36E-04	8.62E-05	4.63E-04	4.77E-05
736	436888.5	3725057	4.39E-04	8.67E-05	4.66E-04	4.80E-05
737	436892.5	3725048	4.42E-04	8.73E-05	4.69E-04	4.83E-05
738	437032.9	3724753	4.65E-04	9.18E-05	4.94E-04	5.09E-05
739	437036.9	3724745	4.60E-04	9.09E-05	4.89E-04	5.04E-05
740	437040.9	3724737	4.56E-04	9.00E-05	4.84E-04	4.98E-05
741	437044.9	3724728	4.50E-04	8.90E-05	4.78E-04	4.93E-05
742	437049	3724720	4.45E-04	8.79E-05	4.73E-04	4.87E-05
743	436848.1	3725409	4.12E-04	8.14E-05	4.38E-04	4.51E-05
744	436844.9	3725400	4.10E-04	8.10E-05	4.36E-04	4.49E-05
745	436841.8	3725391	4.08E-04	8.05E-05	4.33E-04	4.46E-05
746	436838.7	3725383	4.05E-04	8.01E-05	4.31E-04	4.44E-05
747	436835.6	3725374	4.03E-04	7.97E-05	4.29E-04	4.41E-05
748	436832.5	3725365	4.01E-04	7.93E-05	4.26E-04	4.39E-05
749	436829.3	3725356	3.99E-04	7.89E-05	4.24E-04	4.37E-05
750	436826.2	3725347	3.97E-04	7.84E-05	4.22E-04	4.34E-05
751	436823.1	3725338	3.94E-04	7.79E-05	4.19E-04	4.32E-05
752	436820	3725330	3.92E-04	7.74E-05	4.16E-04	4.29E-05
753	436816.9	3725321	3.89E-04	7.69E-05	4.14E-04	4.26E-05
754	436813.7	3725312	3.87E-04	7.64E-05	4.11E-04	4.23E-05
755	436810.6	3725303	3.84E-04	7.58E-05	4.08E-04	4.20E-05
756	436807.5	3725294	3.81E-04	7.53E-05	4.05E-04	4.17E-05
757	436804.4	3725285	3.79E-04	7.48E-05	4.02E-04	4.14E-05
758	436801.3	3725277	3.76E-04	7.44E-05	4.00E-04	4.12E-05
759	436798.1	3725268	3.74E-04	7.39E-05	3.97E-04	4.09E-05
760	436795	3725259	3.72E-04	7.34E-05	3.95E-04	4.07E-05
761	436791.9	3725250	3.70E-04	7.30E-05	3.93E-04	4.04E-05
762	436788.8	3725241	3.68E-04	7.26E-05	3.91E-04	4.02E-05
763	436785.7	3725232	3.66E-04	7.22E-05	3.89E-04	4.00E-05
764	436782.5	3725224	3.64E-04	7.18E-05	3.86E-04	3.98E-05
765	436779.4	3725215	3.62E-04	7.14E-05	3.84E-04	3.96E-05
766	436780.3	3725198	3.62E-04	7.15E-05	3.84E-04	3.96E-05
767	436816.6	3725121	3.85E-04	7.61E-05	4.09E-04	4.21E-05
768	436820.6	3725113	3.87E-04	7.65E-05	4.12E-04	4.24E-05
769	436824.7	3725105	3.89E-04	7.68E-05	4.13E-04	4.25E-05
770	436828.7	3725096	3.90E-04	7.71E-05	4.15E-04	4.27E-05
771	436832.7	3725088	3.92E-04	7.74E-05	4.16E-04	4.29E-05
772	436836.8	3725079	3.94E-04	7.79E-05	4.19E-04	4.31E-05
773	436840.8	3725071	3.97E-04	7.84E-05	4.22E-04	4.34E-05
774	436844.8	3725062	4.00E-04	7.89E-05	4.24E-04	4.37E-05

775	436848.8	3725054	4.02E-04	7.95E-05	4.27E-04	4.40E-05
776	437010	3724715	4.25E-04	8.39E-05	4.51E-04	4.65E-05
777	437014.1	3724707	4.21E-04	8.31E-05	4.47E-04	4.60E-05
778	437018.1	3724699	4.16E-04	8.22E-05	4.42E-04	4.55E-05
779	437022.1	3724690	4.11E-04	8.12E-05	4.37E-04	4.50E-05
780	436846	3725514	4.03E-04	7.97E-05	4.29E-04	4.41E-05
781	436842.9	3725505	4.01E-04	7.92E-05	4.26E-04	4.39E-05
782	436839.7	3725497	3.99E-04	7.87E-05	4.23E-04	4.36E-05
783	436836.6	3725488	3.96E-04	7.83E-05	4.21E-04	4.33E-05
784	436833.5	3725479	3.94E-04	7.78E-05	4.18E-04	4.31E-05
785	436830.3	3725470	3.92E-04	7.73E-05	4.16E-04	4.28E-05
786	436824.1	3725452	3.87E-04	7.64E-05	4.11E-04	4.23E-05
787	436789.6	3725355	3.68E-04	7.27E-05	3.91E-04	4.03E-05
788	436786.5	3725346	3.66E-04	7.23E-05	3.89E-04	4.01E-05
789	436783.3	3725337	3.64E-04	7.20E-05	3.87E-04	3.99E-05
790	436780.2	3725328	3.62E-04	7.15E-05	3.85E-04	3.96E-05
791	436777.1	3725319	3.60E-04	7.10E-05	3.82E-04	3.93E-05
792	436773.9	3725310	3.57E-04	7.06E-05	3.80E-04	3.91E-05
793	436770.8	3725301	3.55E-04	7.00E-05	3.77E-04	3.88E-05
794	436767.7	3725293	3.52E-04	6.96E-05	3.74E-04	3.85E-05
795	436764.6	3725284	3.50E-04	6.91E-05	3.72E-04	3.83E-05
796	436761.4	3725275	3.48E-04	6.87E-05	3.69E-04	3.80E-05
797	436758.3	3725266	3.46E-04	6.83E-05	3.67E-04	3.78E-05
798	436755.2	3725257	3.43E-04	6.78E-05	3.65E-04	3.76E-05
799	436752	3725248	3.41E-04	6.74E-05	3.63E-04	3.74E-05
800	436748.9	3725239	3.39E-04	6.70E-05	3.60E-04	3.71E-05
801	436745.8	3725230	3.37E-04	6.66E-05	3.58E-04	3.69E-05
802	436742.6	3725222	3.35E-04	6.62E-05	3.56E-04	3.67E-05
803	436739.5	3725213	3.33E-04	6.58E-05	3.54E-04	3.64E-05
804	436740.4	3725195	3.33E-04	6.58E-05	3.54E-04	3.64E-05
805	436772.8	3725127	3.52E-04	6.95E-05	3.74E-04	3.85E-05
806	436776.8	3725119	3.54E-04	7.00E-05	3.76E-04	3.88E-05
807	436780.9	3725110	3.57E-04	7.05E-05	3.79E-04	3.91E-05
808	436784.9	3725102	3.59E-04	7.10E-05	3.82E-04	3.93E-05
809	436789	3725093	3.62E-04	7.14E-05	3.84E-04	3.96E-05
810	436793	3725085	3.64E-04	7.19E-05	3.86E-04	3.98E-05
811	436797.1	3725077	3.66E-04	7.22E-05	3.89E-04	4.00E-05
812	436801.1	3725068	3.68E-04	7.27E-05	3.91E-04	4.03E-05
813	436805.2	3725060	3.70E-04	7.31E-05	3.93E-04	4.05E-05
814	436809.2	3725051	3.73E-04	7.36E-05	3.96E-04	4.08E-05
815	436813.2	3725043	3.76E-04	7.42E-05	3.99E-04	4.11E-05
816	436817.3	3725034	3.79E-04	7.48E-05	4.02E-04	4.14E-05
817	436787.6	3725460	3.61E-04	7.12E-05	3.83E-04	3.95E-05
818	436784.4	3725451	3.60E-04	7.10E-05	3.82E-04	3.93E-05
819	436781.3	3725442	3.58E-04	7.08E-05	3.81E-04	3.92E-05
820	436753	3725362	3.46E-04	6.84E-05	3.68E-04	3.79E-05
821	436749.9	3725353	3.44E-04	6.79E-05	3.65E-04	3.76E-05
822	436746.7	3725344	3.41E-04	6.74E-05	3.63E-04	3.74E-05
823	436743.6	3725335	3.39E-04	6.70E-05	3.60E-04	3.71E-05
824	436740.4	3725326	3.37E-04	6.65E-05	3.58E-04	3.68E-05
825	436737.3	3725318	3.34E-04	6.61E-05	3.55E-04	3.66E-05
826	436734.1	3725309	3.32E-04	6.55E-05	3.52E-04	3.63E-05

827	436731	3725300	3.29E-04	6.50E-05	3.50E-04	3.60E-05
828	436727.9	3725291	3.27E-04	6.46E-05	3.47E-04	3.58E-05
829	436724.7	3725282	3.25E-04	6.41E-05	3.45E-04	3.55E-05
830	436721.6	3725273	3.22E-04	6.37E-05	3.43E-04	3.53E-05
831	436718.4	3725264	3.21E-04	6.33E-05	3.40E-04	3.51E-05
832	436715.3	3725255	3.19E-04	6.30E-05	3.39E-04	3.49E-05
833	436712.1	3725246	3.17E-04	6.26E-05	3.37E-04	3.47E-05
834	436709	3725237	3.15E-04	6.23E-05	3.35E-04	3.45E-05
835	436705.8	3725228	3.13E-04	6.19E-05	3.33E-04	3.43E-05
836	436702.7	3725220	3.12E-04	6.16E-05	3.31E-04	3.41E-05
837	436699.6	3725211	3.10E-04	6.12E-05	3.29E-04	3.39E-05
838	436700.5	3725193	3.10E-04	6.12E-05	3.29E-04	3.39E-05
839	436728.9	3725134	3.25E-04	6.42E-05	3.45E-04	3.55E-05
840	436733	3725125	3.27E-04	6.46E-05	3.47E-04	3.58E-05
841	436737	3725117	3.29E-04	6.50E-05	3.50E-04	3.60E-05
842	436741.1	3725108	3.32E-04	6.57E-05	3.53E-04	3.64E-05
843	436745.2	3725100	3.36E-04	6.63E-05	3.57E-04	3.67E-05
844	436749.2	3725091	3.39E-04	6.70E-05	3.60E-04	3.71E-05
845	436753.3	3725082	3.42E-04	6.75E-05	3.63E-04	3.74E-05
846	436757.3	3725074	3.44E-04	6.79E-05	3.65E-04	3.76E-05
847	436759.1	3725490	3.44E-04	6.79E-05	3.65E-04	3.76E-05
848	436756	3725482	3.43E-04	6.77E-05	3.64E-04	3.75E-05
849	436752.9	3725473	3.42E-04	6.76E-05	3.63E-04	3.74E-05
850	436749.8	3725464	3.42E-04	6.75E-05	3.63E-04	3.74E-05
851	436746.7	3725455	3.42E-04	6.75E-05	3.63E-04	3.74E-05
852	436743.6	3725446	3.42E-04	6.75E-05	3.63E-04	3.74E-05
853	436740.5	3725437	3.41E-04	6.73E-05	3.62E-04	3.73E-05
854	436737.3	3725429	3.40E-04	6.71E-05	3.61E-04	3.72E-05
855	436712.5	3725358	3.23E-04	6.38E-05	3.43E-04	3.54E-05
856	436709.3	3725349	3.21E-04	6.34E-05	3.41E-04	3.51E-05
857	436706.2	3725341	3.19E-04	6.30E-05	3.39E-04	3.49E-05
858	436703.1	3725332	3.17E-04	6.25E-05	3.36E-04	3.46E-05
859	436700	3725323	3.14E-04	6.21E-05	3.34E-04	3.44E-05
860	436696.9	3725314	3.12E-04	6.16E-05	3.31E-04	3.41E-05
861	436693.8	3725305	3.10E-04	6.12E-05	3.29E-04	3.39E-05
862	436690.7	3725297	3.07E-04	6.07E-05	3.27E-04	3.36E-05
863	436687.6	3725288	3.05E-04	6.03E-05	3.24E-04	3.34E-05
864	436684.5	3725279	3.04E-04	6.00E-05	3.23E-04	3.32E-05
865	436681.4	3725270	3.02E-04	5.96E-05	3.21E-04	3.30E-05
866	436678.2	3725261	3.00E-04	5.93E-05	3.19E-04	3.28E-05
867	436675.1	3725253	2.99E-04	5.90E-05	3.17E-04	3.27E-05
868	436672	3725244	2.97E-04	5.87E-05	3.15E-04	3.25E-05
869	436688.6	3725132	3.05E-04	6.02E-05	3.24E-04	3.34E-05
870	436692.6	3725124	3.07E-04	6.07E-05	3.26E-04	3.36E-05
871	436696.7	3725115	3.09E-04	6.11E-05	3.28E-04	3.38E-05
872	436700.7	3725107	3.11E-04	6.15E-05	3.31E-04	3.41E-05
873	436704.7	3725098	3.14E-04	6.20E-05	3.34E-04	3.43E-05
874	436708.7	3725090	3.17E-04	6.26E-05	3.37E-04	3.47E-05
875	436712.7	3725082	3.21E-04	6.33E-05	3.40E-04	3.51E-05
876	436788.2	3725684	3.72E-04	7.35E-05	3.95E-04	4.07E-05
877	436785.1	3725675	3.69E-04	7.30E-05	3.92E-04	4.04E-05
878	436782	3725666	3.67E-04	7.25E-05	3.90E-04	4.01E-05

879	436778.9	3725657	3.65E-04	7.20E-05	3.87E-04	3.99E-05
880	436772.6	3725640	3.57E-04	7.04E-05	3.79E-04	3.90E-05
881	436769.5	3725631	3.53E-04	6.97E-05	3.75E-04	3.86E-05
882	436766.4	3725622	3.51E-04	6.93E-05	3.73E-04	3.84E-05
883	436763.2	3725613	3.49E-04	6.89E-05	3.70E-04	3.82E-05
884	436760.1	3725604	3.47E-04	6.85E-05	3.69E-04	3.80E-05
885	436757	3725595	3.45E-04	6.82E-05	3.67E-04	3.78E-05
886	436753.9	3725587	3.43E-04	6.77E-05	3.64E-04	3.75E-05
887	436750.8	3725578	3.41E-04	6.73E-05	3.62E-04	3.73E-05
888	436747.6	3725569	3.39E-04	6.70E-05	3.60E-04	3.71E-05
889	436744.5	3725560	3.37E-04	6.66E-05	3.58E-04	3.69E-05
890	436741.4	3725551	3.35E-04	6.62E-05	3.56E-04	3.67E-05
891	436716.4	3725480	3.26E-04	6.44E-05	3.46E-04	3.57E-05
892	436713.3	3725472	3.26E-04	6.44E-05	3.46E-04	3.57E-05
893	436710.2	3725463	3.26E-04	6.43E-05	3.46E-04	3.56E-05
894	436707.1	3725454	3.25E-04	6.43E-05	3.46E-04	3.56E-05
895	436703.9	3725445	3.26E-04	6.43E-05	3.46E-04	3.56E-05
896	436700.8	3725436	3.25E-04	6.43E-05	3.46E-04	3.56E-05
897	436697.7	3725427	3.25E-04	6.42E-05	3.45E-04	3.56E-05
898	436694.6	3725419	3.24E-04	6.41E-05	3.45E-04	3.55E-05
899	436691.4	3725410	3.22E-04	6.36E-05	3.42E-04	3.52E-05
900	436632.1	3725242	2.79E-04	5.51E-05	2.97E-04	3.05E-05
901	436664.9	3725096	2.92E-04	5.77E-05	3.10E-04	3.20E-05
902	436764.5	3725728	3.53E-04	6.97E-05	3.75E-04	3.86E-05
903	436761.4	3725719	3.52E-04	6.96E-05	3.74E-04	3.86E-05
904	436758.2	3725710	3.52E-04	6.96E-05	3.74E-04	3.85E-05
905	436755.1	3725701	3.52E-04	6.96E-05	3.74E-04	3.85E-05
906	436752	3725692	3.52E-04	6.96E-05	3.74E-04	3.85E-05
907	436748.8	3725683	3.50E-04	6.92E-05	3.72E-04	3.83E-05
908	436745.7	3725674	3.48E-04	6.86E-05	3.69E-04	3.80E-05
909	436742.6	3725666	3.44E-04	6.80E-05	3.66E-04	3.76E-05
910	436739.5	3725657	3.41E-04	6.73E-05	3.62E-04	3.73E-05
911	436736.3	3725648	3.39E-04	6.69E-05	3.60E-04	3.70E-05
912	436733.2	3725639	3.36E-04	6.64E-05	3.57E-04	3.68E-05
913	436730.1	3725630	3.34E-04	6.60E-05	3.55E-04	3.65E-05
914	436726.9	3725621	3.32E-04	6.56E-05	3.53E-04	3.63E-05
915	436723.8	3725612	3.30E-04	6.52E-05	3.51E-04	3.61E-05
916	436720.7	3725603	3.29E-04	6.49E-05	3.49E-04	3.59E-05
917	436717.5	3725595	3.27E-04	6.46E-05	3.47E-04	3.58E-05
918	436714.4	3725586	3.25E-04	6.41E-05	3.45E-04	3.55E-05
919	436711.3	3725577	3.22E-04	6.37E-05	3.43E-04	3.53E-05
920	436708.1	3725568	3.20E-04	6.33E-05	3.40E-04	3.50E-05
921	436705	3725559	3.19E-04	6.29E-05	3.38E-04	3.49E-05
922	436701.9	3725550	3.17E-04	6.25E-05	3.36E-04	3.46E-05
923	436698.7	3725541	3.15E-04	6.22E-05	3.34E-04	3.44E-05
924	436695.6	3725532	3.13E-04	6.18E-05	3.32E-04	3.42E-05
925	436670.5	3725462	3.10E-04	6.13E-05	3.30E-04	3.39E-05
926	436667.4	3725453	3.09E-04	6.11E-05	3.28E-04	3.38E-05
927	436664.3	3725444	3.08E-04	6.08E-05	3.27E-04	3.37E-05
928	436661.1	3725435	3.06E-04	6.05E-05	3.26E-04	3.35E-05
929	436658	3725426	3.05E-04	6.02E-05	3.24E-04	3.34E-05
930	436654.9	3725417	3.04E-04	6.00E-05	3.23E-04	3.32E-05

931	436595.4	3725249	2.66E-04	5.25E-05	2.82E-04	2.91E-05
932	436592.2	3725240	2.65E-04	5.23E-05	2.81E-04	2.89E-05
933	436589.1	3725231	2.64E-04	5.22E-05	2.81E-04	2.89E-05
934	436586	3725222	2.64E-04	5.22E-05	2.81E-04	2.89E-05
935	436582.8	3725213	2.65E-04	5.24E-05	2.82E-04	2.90E-05
936	436725.1	3725727	3.32E-04	6.56E-05	3.53E-04	3.63E-05
937	436722	3725718	3.32E-04	6.57E-05	3.53E-04	3.64E-05
938	436718.9	3725709	3.31E-04	6.55E-05	3.52E-04	3.63E-05
939	436715.7	3725700	3.30E-04	6.52E-05	3.51E-04	3.61E-05
940	436712.6	3725692	3.28E-04	6.48E-05	3.49E-04	3.59E-05
941	436709.4	3725683	3.27E-04	6.45E-05	3.47E-04	3.57E-05
942	436706.3	3725674	3.25E-04	6.42E-05	3.45E-04	3.56E-05
943	436703.2	3725665	3.23E-04	6.39E-05	3.44E-04	3.54E-05
944	436700	3725656	3.21E-04	6.35E-05	3.41E-04	3.51E-05
945	436696.9	3725647	3.20E-04	6.31E-05	3.39E-04	3.50E-05
946	436693.7	3725638	3.18E-04	6.28E-05	3.38E-04	3.48E-05
947	436690.6	3725629	3.17E-04	6.26E-05	3.37E-04	3.47E-05
948	436687.4	3725620	3.15E-04	6.23E-05	3.35E-04	3.45E-05
949	436684.3	3725612	3.14E-04	6.20E-05	3.34E-04	3.43E-05
950	436681.2	3725603	3.13E-04	6.17E-05	3.32E-04	3.42E-05
951	436678	3725594	3.11E-04	6.14E-05	3.30E-04	3.40E-05
952	436674.9	3725585	3.09E-04	6.10E-05	3.28E-04	3.38E-05
953	436671.7	3725576	3.06E-04	6.04E-05	3.25E-04	3.35E-05
954	436668.6	3725567	3.03E-04	5.99E-05	3.22E-04	3.32E-05
955	436665.5	3725558	3.02E-04	5.96E-05	3.20E-04	3.30E-05
956	436662.3	3725549	3.00E-04	5.93E-05	3.19E-04	3.29E-05
957	436659.2	3725540	2.99E-04	5.91E-05	3.18E-04	3.28E-05
958	436656	3725531	2.99E-04	5.90E-05	3.18E-04	3.27E-05
959	436652.9	3725523	2.99E-04	5.91E-05	3.18E-04	3.27E-05
960	436561.8	3725265	2.55E-04	5.04E-05	2.71E-04	2.79E-05
961	436558.6	3725256	2.54E-04	5.02E-05	2.70E-04	2.78E-05
962	436555.5	3725247	2.53E-04	5.00E-05	2.69E-04	2.77E-05
963	436552.3	3725238	2.52E-04	4.97E-05	2.67E-04	2.75E-05
964	436549.2	3725229	2.52E-04	4.98E-05	2.68E-04	2.76E-05
965	437547.8	3725319	5.80E-02	1.15E-02	6.16E-02	6.34E-03
966	437559.6	3725333	7.13E-02	1.41E-02	7.57E-02	7.80E-03
967	437528.6	3725313	3.63E-02	7.16E-03	3.85E-02	3.97E-03
968	437540.4	3725326	4.56E-02	9.01E-03	4.85E-02	4.99E-03
969	437552.2	3725339	5.55E-02	1.10E-02	5.90E-02	6.07E-03
970	437509.3	3725307	2.40E-02	4.74E-03	2.55E-02	2.63E-03
971	437521.2	3725320	3.00E-02	5.92E-03	3.19E-02	3.28E-03
972	437533	3725333	3.70E-02	7.31E-03	3.93E-02	4.05E-03
973	437544.8	3725346	4.45E-02	8.79E-03	4.73E-02	4.87E-03
974	437501.9	3725314	2.07E-02	4.08E-03	2.20E-02	2.26E-03
975	437513.7	3725327	2.53E-02	5.00E-03	2.69E-02	2.77E-03
976	437525.6	3725340	3.07E-02	6.06E-03	3.26E-02	3.36E-03
977	437537.4	3725353	3.65E-02	7.21E-03	3.88E-02	3.99E-03
978	437494.5	3725320	1.81E-02	3.57E-03	1.92E-02	1.98E-03
979	437506.3	3725333	2.17E-02	4.29E-03	2.31E-02	2.37E-03
980	437518.2	3725346	2.59E-02	5.12E-03	2.75E-02	2.84E-03
981	437530	3725359	3.05E-02	6.02E-03	3.24E-02	3.33E-03
982	437498.9	3725340	1.89E-02	3.72E-03	2.00E-02	2.06E-03

983	437510.7	3725353	2.22E-02	4.39E-03	2.36E-02	2.43E-03
984	437522.6	3725366	2.59E-02	5.12E-03	2.75E-02	2.84E-03
985	437491.5	3725347	1.66E-02	3.28E-03	1.76E-02	1.82E-03
986	437503.3	3725360	1.93E-02	3.82E-03	2.05E-02	2.11E-03
987	437515.1	3725373	2.23E-02	4.41E-03	2.37E-02	2.44E-03
988	437464.9	3725347	1.14E-02	2.25E-03	1.21E-02	1.25E-03
989	437476.7	3725360	1.31E-02	2.59E-03	1.39E-02	1.43E-03
990	437488.5	3725373	1.50E-02	2.96E-03	1.59E-02	1.64E-03
991	437500.3	3725386	1.70E-02	3.36E-03	1.81E-02	1.86E-03
992	437450.1	3725361	9.29E-03	1.83E-03	9.86E-03	1.02E-03
993	437441.1	3725440	7.11E-03	1.40E-03	7.55E-03	7.77E-04
994	437414.4	3725440	5.49E-03	1.09E-03	5.84E-03	6.01E-04
995	437426.2	3725453	5.94E-03	1.17E-03	6.31E-03	6.50E-04
996	437399.6	3725454	4.68E-03	9.25E-04	4.98E-03	5.12E-04
997	437411.4	3725467	5.02E-03	9.92E-04	5.33E-03	5.49E-04
998	437384.8	3725467	4.05E-03	7.99E-04	4.30E-03	4.43E-04
999	437486.3	3725363	1.49E-02	2.94E-03	1.58E-02	1.63E-03
1000	437290.7	3725439	2.23E-03	4.39E-04	2.36E-03	2.43E-04
1001	436672.5	3725698	3.07E-04	6.06E-05	3.26E-04	3.35E-05
1002	437557.6	3725323	7.41E-02	1.46E-02	7.87E-02	8.10E-03
1003	436768.5	3725455	3.51E-04	6.94E-05	3.73E-04	3.84E-05
1004	436729.1	3725462	3.33E-04	6.59E-05	3.54E-04	3.65E-05
1005	436689.6	3725469	3.16E-04	6.24E-05	3.35E-04	3.45E-05
1006	437438.2	3725332	8.20E-03	1.62E-03	8.71E-03	8.97E-04
1007	437418.1	3725328	6.39E-03	1.26E-03	6.79E-03	6.99E-04
1008	437118.4	3725342	9.82E-04	1.94E-04	1.04E-03	1.07E-04
1009	437058.3	3725339	7.84E-04	1.55E-04	8.33E-04	8.58E-05
1010	436998.3	3725340	6.34E-04	1.25E-04	6.73E-04	6.93E-05
1011	436958.3	3725342	5.59E-04	1.10E-04	5.94E-04	6.11E-05
1012	436918.3	3725343	4.99E-04	9.85E-05	5.30E-04	5.45E-05
1013	436878.3	3725344	4.48E-04	8.86E-05	4.76E-04	4.91E-05
1014	436838.3	3725345	4.08E-04	8.06E-05	4.33E-04	4.46E-05
1015	436798.4	3725346	3.75E-04	7.40E-05	3.98E-04	4.10E-05
1016	436758.4	3725347	3.49E-04	6.88E-05	3.70E-04	3.81E-05
1017	436718.4	3725349	3.25E-04	6.43E-05	3.46E-04	3.56E-05
1018	436678.4	3725350	3.07E-04	6.07E-05	3.27E-04	3.36E-05
1019	437334	3725234	2.89E-03	5.70E-04	3.07E-03	3.16E-04
1020	437312.6	3725235	2.45E-03	4.84E-04	2.60E-03	2.68E-04
1021	437286.9	3725218	2.03E-03	4.01E-04	2.15E-03	2.22E-04
1022	437230.3	3725198	1.45E-03	2.86E-04	1.54E-03	1.58E-04
1023	436994.5	3725115	5.97E-04	1.18E-04	6.34E-04	6.53E-05
1024	437626	3725374	1.99E-01	3.94E-02	2.12E-01	2.18E-02
1025	437633.4	3725380	2.08E-01	4.10E-02	2.21E-01	2.27E-02
1026	437640.8	3725386	2.14E-01	4.23E-02	2.28E-01	2.34E-02
1027	437648.2	3725393	2.19E-01	4.33E-02	2.33E-01	2.40E-02
1028	437655.6	3725399	2.22E-01	4.39E-02	2.36E-01	2.43E-02
1029	437663	3725405	2.23E-01	4.40E-02	2.36E-01	2.43E-02
1030	437670.4	3725411	2.20E-01	4.34E-02	2.33E-01	2.40E-02
1031	437619.6	3725381	1.49E-01	2.95E-02	1.58E-01	1.63E-02
1032	437627	3725388	1.56E-01	3.08E-02	1.65E-01	1.70E-02
1033	437634.3	3725394	1.61E-01	3.19E-02	1.72E-01	1.77E-02
1034	437641.7	3725400	1.66E-01	3.27E-02	1.76E-01	1.81E-02

1035	437649.1	3725406	1.68E-01	3.31E-02	1.78E-01	1.84E-02
1036	437656.5	3725413	1.69E-01	3.33E-02	1.79E-01	1.85E-02
1037	437663.9	3725419	1.68E-01	3.31E-02	1.78E-01	1.83E-02
1038	437613.1	3725389	1.15E-01	2.28E-02	1.22E-01	1.26E-02
1039	437620.5	3725395	1.21E-01	2.39E-02	1.28E-01	1.32E-02
1040	437627.9	3725402	1.25E-01	2.48E-02	1.33E-01	1.37E-02
1041	437635.3	3725408	1.29E-01	2.54E-02	1.37E-01	1.41E-02
1042	437642.6	3725414	1.31E-01	2.59E-02	1.39E-01	1.43E-02
1043	437650	3725420	1.32E-01	2.61E-02	1.40E-01	1.45E-02
1044	437657.4	3725427	1.32E-01	2.61E-02	1.40E-01	1.45E-02
1045	437599.2	3725390	8.68E-02	1.71E-02	9.22E-02	9.50E-03
1046	437606.6	3725397	9.17E-02	1.81E-02	9.74E-02	1.00E-02
1047	437614	3725403	9.62E-02	1.90E-02	1.02E-01	1.05E-02
1048	437621.4	3725409	9.99E-02	1.97E-02	1.06E-01	1.09E-02
1049	437628.8	3725415	1.03E-01	2.03E-02	1.09E-01	1.13E-02
1050	437636.2	3725422	1.05E-01	2.08E-02	1.12E-01	1.15E-02
1051	437643.6	3725428	1.06E-01	2.10E-02	1.13E-01	1.16E-02
1052	437651	3725434	1.07E-01	2.11E-02	1.13E-01	1.17E-02
1053	437551.3	3725354	4.83E-02	9.54E-03	5.13E-02	5.28E-03
1054	437592.8	3725398	7.05E-02	1.39E-02	7.49E-02	7.71E-03
1055	437600.1	3725404	7.45E-02	1.47E-02	7.91E-02	8.15E-03
1056	437607.5	3725410	7.81E-02	1.54E-02	8.29E-02	8.54E-03
1057	437614.9	3725417	8.12E-02	1.60E-02	8.63E-02	8.88E-03
1058	437622.3	3725423	8.38E-02	1.66E-02	8.90E-02	9.17E-03
1059	437629.7	3725429	8.58E-02	1.69E-02	9.11E-02	9.39E-03
1060	437637.1	3725436	8.72E-02	1.72E-02	9.26E-02	9.54E-03
1061	437644.5	3725442	8.78E-02	1.73E-02	9.33E-02	9.61E-03
1062	437593.7	3725412	6.14E-02	1.21E-02	6.52E-02	6.72E-03
1063	437601.1	3725418	6.44E-02	1.27E-02	6.84E-02	7.04E-03
1064	437608.4	3725424	6.70E-02	1.32E-02	7.12E-02	7.33E-03
1065	437615.8	3725431	6.93E-02	1.37E-02	7.36E-02	7.58E-03
1066	437623.2	3725437	7.11E-02	1.40E-02	7.55E-02	7.78E-03
1067	437630.6	3725443	7.24E-02	1.43E-02	7.69E-02	7.92E-03
1068	437638	3725450	7.32E-02	1.45E-02	7.78E-02	8.01E-03
1069	437545.8	3725381	3.58E-02	7.07E-03	3.80E-02	3.92E-03
1070	437536.9	3725367	3.33E-02	6.57E-03	3.54E-02	3.64E-03
1071	437587.2	3725419	5.13E-02	1.01E-02	5.45E-02	5.62E-03
1072	437594.6	3725426	5.38E-02	1.06E-02	5.72E-02	5.89E-03
1073	437602	3725432	5.61E-02	1.11E-02	5.96E-02	6.13E-03
1074	437609.4	3725438	5.80E-02	1.15E-02	6.16E-02	6.35E-03
1075	437616.7	3725445	5.96E-02	1.18E-02	6.33E-02	6.52E-03
1076	437624.1	3725451	6.09E-02	1.20E-02	6.47E-02	6.66E-03
1077	437631.5	3725457	6.18E-02	1.22E-02	6.56E-02	6.76E-03
1078	437538.7	3725388	3.04E-02	6.01E-03	3.23E-02	3.33E-03
1079	437533.6	3725380	2.92E-02	5.78E-03	3.11E-02	3.20E-03
1080	437532.5	3725396	2.63E-02	5.20E-03	2.80E-02	2.88E-03
1081	437523	3725381	2.45E-02	4.83E-03	2.60E-02	2.67E-03
1082	437517.2	3725389	2.15E-02	4.25E-03	2.29E-02	2.35E-03
1083	437480.4	3725348	1.41E-02	2.78E-03	1.50E-02	1.54E-03
1084	437584.4	3725483	2.84E-02	5.60E-03	3.01E-02	3.10E-03
1085	437591.8	3725489	2.91E-02	5.76E-03	3.10E-02	3.19E-03
1086	437599.1	3725495	2.98E-02	5.89E-03	3.17E-02	3.26E-03

1087	437460.8	3725362	1.06E-02	2.09E-03	1.12E-02	1.16E-03
1088	437504.9	3725441	1.45E-02	2.87E-03	1.55E-02	1.59E-03
1089	437512.3	3725448	1.54E-02	3.05E-03	1.64E-02	1.69E-03
1090	437519.7	3725454	1.63E-02	3.22E-03	1.73E-02	1.79E-03
1091	437527.1	3725460	1.72E-02	3.40E-03	1.83E-02	1.88E-03
1092	437571.4	3725498	2.21E-02	4.36E-03	2.34E-02	2.41E-03
1093	437578.8	3725504	2.27E-02	4.48E-03	2.41E-02	2.48E-03
1094	437586.2	3725510	2.33E-02	4.60E-03	2.47E-02	2.55E-03
1095	437486.9	3725449	1.15E-02	2.27E-03	1.22E-02	1.26E-03
1096	437441.5	3725367	8.30E-03	1.64E-03	8.82E-03	9.08E-04
1097	437492	3725457	1.18E-02	2.33E-03	1.25E-02	1.29E-03
1098	437499.3	3725463	1.25E-02	2.46E-03	1.32E-02	1.36E-03
1099	437506.7	3725469	1.31E-02	2.59E-03	1.40E-02	1.44E-03
1100	437514.1	3725475	1.38E-02	2.73E-03	1.47E-02	1.51E-03
1101	437521.5	3725482	1.45E-02	2.86E-03	1.54E-02	1.58E-03
1102	437558.5	3725513	1.75E-02	3.47E-03	1.86E-02	1.92E-03
1103	437565.8	3725519	1.81E-02	3.57E-03	1.92E-02	1.98E-03
1104	437573.2	3725526	1.85E-02	3.66E-03	1.97E-02	2.03E-03
1105	437464.7	3725449	9.07E-03	1.79E-03	9.64E-03	9.93E-04
1106	437423.1	3725346	6.69E-03	1.32E-03	7.10E-03	7.31E-04
1107	437486.4	3725478	1.03E-02	2.02E-03	1.09E-02	1.12E-03
1108	437493.8	3725484	1.08E-02	2.13E-03	1.14E-02	1.18E-03
1109	437501.2	3725491	1.13E-02	2.23E-03	1.20E-02	1.23E-03
1110	437508.6	3725497	1.18E-02	2.33E-03	1.25E-02	1.29E-03
1111	437545.5	3725528	1.42E-02	2.80E-03	1.51E-02	1.55E-03
1112	437552.9	3725535	1.46E-02	2.88E-03	1.55E-02	1.60E-03
1113	437560.3	3725541	1.50E-02	2.96E-03	1.59E-02	1.64E-03
1114	437456.3	3725472	7.57E-03	1.49E-03	8.04E-03	8.28E-04
1115	437451.4	3725464	7.38E-03	1.46E-03	7.84E-03	8.08E-04
1116	437446.5	3725456	7.19E-03	1.42E-03	7.64E-03	7.87E-04
1117	437473.4	3725493	8.30E-03	1.64E-03	8.82E-03	9.08E-04
1118	437480.8	3725500	8.70E-03	1.72E-03	9.24E-03	9.51E-04
1119	437488.2	3725506	9.09E-03	1.80E-03	9.66E-03	9.95E-04
1120	437443.1	3725487	6.30E-03	1.24E-03	6.69E-03	6.89E-04
1121	437438.1	3725479	6.15E-03	1.21E-03	6.53E-03	6.73E-04
1122	437433.1	3725471	6.02E-03	1.19E-03	6.39E-03	6.58E-04
1123	437428.1	3725463	5.88E-03	1.16E-03	6.25E-03	6.44E-04
1124	437414.7	3725478	5.02E-03	9.92E-04	5.33E-03	5.49E-04
1125	437327.3	3725352	2.65E-03	5.23E-04	2.81E-03	2.90E-04
1126	437306.3	3725404	2.43E-03	4.80E-04	2.58E-03	2.66E-04
1127	437310.2	3725301	2.41E-03	4.75E-04	2.56E-03	2.63E-04
1128	437312	3725476	2.46E-03	4.85E-04	2.61E-03	2.69E-04
1129	437307	3725468	2.41E-03	4.76E-04	2.56E-03	2.64E-04
1130	437302	3725460	2.36E-03	4.65E-04	2.50E-03	2.58E-04
1131	437297	3725452	2.30E-03	4.54E-04	2.44E-03	2.52E-04
1132	437277.7	3725402	2.08E-03	4.11E-04	2.21E-03	2.28E-04
1133	437280.5	3725328	2.00E-03	3.95E-04	2.12E-03	2.19E-04
1134	437282.9	3725484	2.11E-03	4.16E-04	2.24E-03	2.30E-04
1135	437277.9	3725476	2.07E-03	4.09E-04	2.20E-03	2.26E-04
1136	437272.9	3725468	2.02E-03	4.00E-04	2.15E-03	2.21E-04
1137	437267.9	3725460	1.98E-03	3.90E-04	2.10E-03	2.16E-04
1138	437249.1	3725401	1.81E-03	3.58E-04	1.93E-03	1.98E-04

1139	437244.9	3725477	1.73E-03	3.41E-04	1.84E-03	1.89E-04
1140	437220.2	3725408	1.55E-03	3.07E-04	1.65E-03	1.70E-04
1141	437223	3725330	1.58E-03	3.12E-04	1.68E-03	1.73E-04
1142	437223.4	3725321	1.58E-03	3.12E-04	1.68E-03	1.73E-04
1143	437223.7	3725311	1.58E-03	3.12E-04	1.68E-03	1.73E-04
1144	437227	3725225	1.46E-03	2.88E-04	1.55E-03	1.59E-04
1145	437227.3	3725215	1.45E-03	2.86E-04	1.54E-03	1.59E-04
1146	437191.5	3725406	1.35E-03	2.66E-04	1.43E-03	1.48E-04
1147	437191.9	3725396	1.35E-03	2.67E-04	1.44E-03	1.48E-04
1148	437194.4	3725329	1.37E-03	2.71E-04	1.46E-03	1.50E-04
1149	437194.8	3725320	1.37E-03	2.71E-04	1.46E-03	1.50E-04
1150	437195.1	3725310	1.37E-03	2.71E-04	1.46E-03	1.50E-04
1151	437198.3	3725224	1.31E-03	2.60E-04	1.40E-03	1.44E-04
1152	437198.7	3725214	1.30E-03	2.56E-04	1.38E-03	1.42E-04
1153	437199	3725205	1.28E-03	2.54E-04	1.36E-03	1.41E-04
1154	437162.9	3725404	1.18E-03	2.34E-04	1.26E-03	1.29E-04
1155	437163.3	3725395	1.19E-03	2.34E-04	1.26E-03	1.30E-04
1156	437168.3	3725262	1.19E-03	2.36E-04	1.27E-03	1.31E-04
1157	437169.7	3725223	1.18E-03	2.33E-04	1.25E-03	1.29E-04
1158	437170	3725214	1.18E-03	2.32E-04	1.25E-03	1.29E-04
1159	437170.4	3725204	1.17E-03	2.31E-04	1.24E-03	1.28E-04
1160	437170.7	3725195	1.17E-03	2.30E-04	1.24E-03	1.28E-04
1161	437134	3725413	1.04E-03	2.06E-04	1.11E-03	1.14E-04
1162	437134.3	3725403	1.05E-03	2.07E-04	1.11E-03	1.14E-04
1163	437136.8	3725337	1.06E-03	2.09E-04	1.12E-03	1.16E-04
1164	437137.1	3725327	1.06E-03	2.09E-04	1.13E-03	1.16E-04
1165	437137.5	3725318	1.06E-03	2.09E-04	1.13E-03	1.16E-04
1166	437139.6	3725261	1.06E-03	2.09E-04	1.12E-03	1.16E-04
1167	437141	3725223	1.05E-03	2.07E-04	1.11E-03	1.14E-04
1168	437141.4	3725213	1.04E-03	2.06E-04	1.11E-03	1.14E-04
1169	437141.7	3725204	1.04E-03	2.05E-04	1.10E-03	1.14E-04
1170	437142.1	3725194	1.04E-03	2.05E-04	1.10E-03	1.13E-04
1171	437105.4	3725411	9.31E-04	1.84E-04	9.88E-04	1.02E-04
1172	437108.2	3725335	9.43E-04	1.86E-04	1.00E-03	1.03E-04
1173	437108.5	3725326	9.43E-04	1.86E-04	1.00E-03	1.03E-04
1174	437108.9	3725317	9.44E-04	1.86E-04	1.00E-03	1.03E-04
1175	437111	3725260	9.41E-04	1.86E-04	9.99E-04	1.03E-04
1176	437112.4	3725222	9.34E-04	1.85E-04	9.92E-04	1.02E-04
1177	437113.1	3725203	9.30E-04	1.84E-04	9.88E-04	1.02E-04
1178	437113.4	3725194	9.27E-04	1.83E-04	9.85E-04	1.01E-04
1179	437076.7	3725410	8.29E-04	1.64E-04	8.81E-04	9.07E-05
1180	437079.2	3725344	8.45E-04	1.67E-04	8.98E-04	9.25E-05
1181	437079.5	3725334	8.46E-04	1.67E-04	8.99E-04	9.26E-05
1182	437079.9	3725325	8.47E-04	1.67E-04	8.99E-04	9.26E-05
1183	437080.2	3725316	8.47E-04	1.67E-04	9.00E-04	9.26E-05
1184	437082	3725268	8.45E-04	1.67E-04	8.98E-04	9.25E-05
1185	437083.8	3725221	8.40E-04	1.66E-04	8.92E-04	9.19E-05
1186	437084.5	3725203	8.37E-04	1.65E-04	8.89E-04	9.15E-05
1187	437084.8	3725193	8.35E-04	1.65E-04	8.87E-04	9.13E-05
1188	437085.2	3725184	8.33E-04	1.65E-04	8.85E-04	9.11E-05
1189	437051.1	3725329	7.65E-04	1.51E-04	8.12E-04	8.37E-05
1190	437051.4	3725319	7.65E-04	1.51E-04	8.13E-04	8.37E-05

1191	437053.6	3725261	7.64E-04	1.51E-04	8.11E-04	8.36E-05
1192	437056.1	3725194	7.56E-04	1.49E-04	8.03E-04	8.27E-05
1193	437056.5	3725184	7.55E-04	1.49E-04	8.02E-04	8.26E-05
1194	437016.7	3725482	6.55E-04	1.29E-04	6.96E-04	7.16E-05
1195	437017.1	3725472	6.57E-04	1.30E-04	6.98E-04	7.18E-05
1196	437024.6	3725270	6.96E-04	1.37E-04	7.39E-04	7.61E-05
1197	437027.5	3725193	6.89E-04	1.36E-04	7.32E-04	7.54E-05
1198	437027.8	3725184	6.89E-04	1.36E-04	7.31E-04	7.53E-05
1199	436978.1	3725492	5.73E-04	1.13E-04	6.09E-04	6.27E-05
1200	436978.4	3725483	5.74E-04	1.13E-04	6.10E-04	6.28E-05
1201	436981.6	3725397	5.93E-04	1.17E-04	6.30E-04	6.49E-05
1202	436982	3725388	5.95E-04	1.18E-04	6.32E-04	6.51E-05
1203	436982.3	3725378	5.97E-04	1.18E-04	6.34E-04	6.53E-05
1204	436984.5	3725321	6.07E-04	1.20E-04	6.45E-04	6.64E-05
1205	436984.8	3725312	6.08E-04	1.20E-04	6.46E-04	6.65E-05
1206	436985.2	3725302	6.09E-04	1.20E-04	6.47E-04	6.66E-05
1207	436987.6	3725236	6.12E-04	1.21E-04	6.50E-04	6.70E-05
1208	436988	3725227	6.15E-04	1.21E-04	6.53E-04	6.73E-05
1209	436988.3	3725217	6.17E-04	1.22E-04	6.55E-04	6.74E-05
1210	436988.7	3725208	6.16E-04	1.22E-04	6.54E-04	6.74E-05
1211	436989.1	3725198	6.16E-04	1.22E-04	6.54E-04	6.73E-05
1212	436989.4	3725189	6.15E-04	1.21E-04	6.53E-04	6.73E-05
1213	436939.5	3725503	5.10E-04	1.01E-04	5.42E-04	5.58E-05
1214	436939.8	3725493	5.11E-04	1.01E-04	5.43E-04	5.59E-05
1215	436940.2	3725483	5.12E-04	1.01E-04	5.44E-04	5.60E-05
1216	436943.1	3725407	5.26E-04	1.04E-04	5.59E-04	5.76E-05
1217	436943.4	3725397	5.28E-04	1.04E-04	5.61E-04	5.78E-05
1218	436943.8	3725387	5.30E-04	1.05E-04	5.63E-04	5.80E-05
1219	436944.1	3725378	5.32E-04	1.05E-04	5.65E-04	5.82E-05
1220	436946.3	3725320	5.41E-04	1.07E-04	5.75E-04	5.92E-05
1221	436946.6	3725311	5.41E-04	1.07E-04	5.75E-04	5.92E-05
1222	436947	3725301	5.41E-04	1.07E-04	5.75E-04	5.92E-05
1223	436947.4	3725291	5.41E-04	1.07E-04	5.75E-04	5.92E-05
1224	436947.7	3725282	5.40E-04	1.07E-04	5.74E-04	5.91E-05
1225	436949.9	3725224	5.45E-04	1.08E-04	5.79E-04	5.96E-05
1226	436950.2	3725215	5.48E-04	1.08E-04	5.82E-04	5.99E-05
1227	436950.6	3725205	5.51E-04	1.09E-04	5.85E-04	6.02E-05
1228	436909	3725295	4.85E-04	9.57E-05	5.15E-04	5.30E-05
1229	436909.3	3725285	4.84E-04	9.57E-05	5.15E-04	5.30E-05
1230	436911.5	3725228	4.88E-04	9.63E-05	5.18E-04	5.33E-05
1231	436911.8	3725219	4.89E-04	9.66E-05	5.20E-04	5.35E-05
1232	436912.2	3725210	4.91E-04	9.69E-05	5.21E-04	5.37E-05
1233	436912.5	3725200	4.92E-04	9.71E-05	5.22E-04	5.38E-05
1234	436915.7	3725115	4.82E-04	9.51E-05	5.12E-04	5.27E-05
1235	436916.1	3725105	4.79E-04	9.47E-05	5.09E-04	5.24E-05
1236	436862.6	3725514	4.19E-04	8.27E-05	4.45E-04	4.58E-05
1237	436863	3725504	4.20E-04	8.29E-05	4.46E-04	4.59E-05
1238	436863.3	3725495	4.20E-04	8.30E-05	4.46E-04	4.60E-05
1239	436863.7	3725485	4.21E-04	8.32E-05	4.47E-04	4.61E-05
1240	436866.5	3725408	4.31E-04	8.51E-05	4.58E-04	4.71E-05
1241	436866.9	3725399	4.32E-04	8.54E-05	4.59E-04	4.73E-05
1242	436867.3	3725389	4.34E-04	8.57E-05	4.61E-04	4.75E-05

1243	436869.4	3725332	4.39E-04	8.66E-05	4.66E-04	4.80E-05
1244	436869.8	3725322	4.39E-04	8.67E-05	4.66E-04	4.80E-05
1245	436870.1	3725312	4.39E-04	8.67E-05	4.66E-04	4.80E-05
1246	436870.5	3725303	4.39E-04	8.67E-05	4.66E-04	4.80E-05
1247	436870.8	3725293	4.39E-04	8.67E-05	4.66E-04	4.80E-05
1248	436871.2	3725284	4.39E-04	8.66E-05	4.66E-04	4.80E-05
1249	436873.3	3725226	4.44E-04	8.76E-05	4.71E-04	4.85E-05
1250	436873.7	3725217	4.46E-04	8.80E-05	4.73E-04	4.87E-05
1251	436874	3725207	4.48E-04	8.84E-05	4.75E-04	4.90E-05
1252	436874.4	3725197	4.48E-04	8.85E-05	4.76E-04	4.90E-05
1253	436824.4	3725514	3.85E-04	7.61E-05	4.09E-04	4.21E-05
1254	436824.7	3725505	3.86E-04	7.62E-05	4.10E-04	4.22E-05
1255	436825.1	3725495	3.86E-04	7.63E-05	4.10E-04	4.22E-05
1256	436825.4	3725485	3.87E-04	7.64E-05	4.11E-04	4.23E-05
1257	436828.3	3725408	3.94E-04	7.79E-05	4.19E-04	4.31E-05
1258	436828.7	3725398	3.95E-04	7.81E-05	4.20E-04	4.33E-05
1259	436829.1	3725389	3.96E-04	7.83E-05	4.21E-04	4.34E-05
1260	436831.2	3725330	4.02E-04	7.94E-05	4.27E-04	4.40E-05
1261	436831.6	3725321	4.02E-04	7.95E-05	4.27E-04	4.40E-05
1262	436831.9	3725311	4.03E-04	7.95E-05	4.28E-04	4.40E-05
1263	436832.3	3725301	4.03E-04	7.95E-05	4.28E-04	4.40E-05
1264	436832.7	3725292	4.03E-04	7.95E-05	4.28E-04	4.41E-05
1265	436834.8	3725234	4.04E-04	7.98E-05	4.29E-04	4.42E-05
1266	436835.2	3725224	4.06E-04	8.02E-05	4.31E-04	4.44E-05
1267	436835.5	3725214	4.08E-04	8.06E-05	4.33E-04	4.46E-05
1268	436835.9	3725205	4.10E-04	8.09E-05	4.35E-04	4.48E-05
1269	436836.3	3725195	4.10E-04	8.09E-05	4.35E-04	4.48E-05
1270	436838.8	3725127	4.05E-04	7.99E-05	4.30E-04	4.43E-05
1271	436839.2	3725118	4.03E-04	7.97E-05	4.29E-04	4.41E-05
1272	436839.5	3725108	4.02E-04	7.93E-05	4.27E-04	4.39E-05
1273	436839.9	3725098	4.00E-04	7.89E-05	4.24E-04	4.37E-05
1274	436792.9	3725334	3.71E-04	7.33E-05	3.94E-04	4.06E-05
1275	436793.2	3725324	3.71E-04	7.33E-05	3.94E-04	4.06E-05
1276	436793.6	3725314	3.71E-04	7.33E-05	3.94E-04	4.06E-05
1277	436793.9	3725305	3.71E-04	7.33E-05	3.94E-04	4.06E-05
1278	436794.3	3725295	3.71E-04	7.33E-05	3.94E-04	4.06E-05
1279	436794.7	3725286	3.71E-04	7.34E-05	3.94E-04	4.06E-05
1280	436796.8	3725228	3.74E-04	7.38E-05	3.97E-04	4.09E-05
1281	436797.2	3725219	3.74E-04	7.39E-05	3.98E-04	4.09E-05
1282	436797.5	3725209	3.75E-04	7.40E-05	3.98E-04	4.10E-05
1283	436797.9	3725199	3.75E-04	7.40E-05	3.98E-04	4.10E-05
1284	436800.7	3725123	3.73E-04	7.36E-05	3.96E-04	4.08E-05
1285	436801.1	3725113	3.72E-04	7.35E-05	3.95E-04	4.07E-05
1286	436801.4	3725104	3.71E-04	7.34E-05	3.94E-04	4.06E-05
1287	436801.8	3725094	3.70E-04	7.32E-05	3.93E-04	4.05E-05
1288	436802.2	3725085	3.70E-04	7.30E-05	3.93E-04	4.04E-05
1289	436771.9	3725605	3.53E-04	6.97E-05	3.75E-04	3.86E-05
1290	436766.8	3725597	3.50E-04	6.91E-05	3.72E-04	3.83E-05
1291	436750.7	3725439	3.45E-04	6.82E-05	3.67E-04	3.78E-05
1292	436751.1	3725429	3.46E-04	6.83E-05	3.67E-04	3.78E-05
1293	436754.7	3725332	3.46E-04	6.83E-05	3.67E-04	3.78E-05
1294	436755.1	3725323	3.46E-04	6.83E-05	3.67E-04	3.78E-05

1295	436755.4	3725313	3.45E-04	6.82E-05	3.67E-04	3.78E-05
1296	436755.8	3725303	3.45E-04	6.81E-05	3.66E-04	3.77E-05
1297	436756.1	3725294	3.45E-04	6.81E-05	3.66E-04	3.77E-05
1298	436758.3	3725236	3.46E-04	6.83E-05	3.67E-04	3.78E-05
1299	436758.7	3725226	3.46E-04	6.84E-05	3.68E-04	3.79E-05
1300	436759	3725216	3.46E-04	6.84E-05	3.68E-04	3.79E-05
1301	436759.4	3725207	3.47E-04	6.85E-05	3.68E-04	3.79E-05
1302	436759.7	3725197	3.46E-04	6.84E-05	3.68E-04	3.79E-05
1303	436762.3	3725130	3.45E-04	6.81E-05	3.66E-04	3.77E-05
1304	436762.6	3725120	3.45E-04	6.81E-05	3.66E-04	3.77E-05
1305	436763	3725110	3.45E-04	6.82E-05	3.67E-04	3.78E-05
1306	436763.3	3725101	3.46E-04	6.84E-05	3.68E-04	3.79E-05
1307	436763.7	3725091	3.47E-04	6.85E-05	3.68E-04	3.79E-05
1308	436764.1	3725081	3.47E-04	6.86E-05	3.69E-04	3.80E-05
1309	436779.2	3725688	3.67E-04	7.24E-05	3.90E-04	4.01E-05
1310	436774.1	3725680	3.64E-04	7.18E-05	3.86E-04	3.98E-05
1311	436769	3725672	3.60E-04	7.11E-05	3.82E-04	3.94E-05
1312	436763.9	3725664	3.56E-04	7.03E-05	3.78E-04	3.89E-05
1313	436758.7	3725656	3.52E-04	6.95E-05	3.74E-04	3.85E-05
1314	436753.6	3725648	3.48E-04	6.86E-05	3.69E-04	3.80E-05
1315	436748.5	3725639	3.44E-04	6.79E-05	3.65E-04	3.76E-05
1316	436743.3	3725631	3.40E-04	6.73E-05	3.62E-04	3.72E-05
1317	436738.2	3725623	3.37E-04	6.66E-05	3.58E-04	3.69E-05
1318	436712.4	3725441	3.29E-04	6.50E-05	3.50E-04	3.60E-05
1319	436712.8	3725431	3.30E-04	6.52E-05	3.51E-04	3.61E-05
1320	436713.1	3725422	3.31E-04	6.54E-05	3.52E-04	3.62E-05
1321	436716.4	3725336	3.24E-04	6.39E-05	3.44E-04	3.54E-05
1322	436716.7	3725326	3.23E-04	6.38E-05	3.43E-04	3.54E-05
1323	436717.1	3725316	3.23E-04	6.37E-05	3.43E-04	3.53E-05
1324	436717.4	3725307	3.22E-04	6.36E-05	3.42E-04	3.52E-05
1325	436717.8	3725297	3.22E-04	6.35E-05	3.42E-04	3.52E-05
1326	436719.9	3725240	3.22E-04	6.35E-05	3.42E-04	3.52E-05
1327	436720.3	3725230	3.22E-04	6.35E-05	3.42E-04	3.52E-05
1328	436720.6	3725221	3.22E-04	6.35E-05	3.42E-04	3.52E-05
1329	436721	3725211	3.22E-04	6.35E-05	3.42E-04	3.52E-05
1330	436721.3	3725202	3.22E-04	6.35E-05	3.42E-04	3.52E-05
1331	436721.7	3725192	3.22E-04	6.35E-05	3.42E-04	3.52E-05
1332	436724.6	3725115	3.22E-04	6.37E-05	3.43E-04	3.53E-05
1333	436724.9	3725106	3.24E-04	6.40E-05	3.44E-04	3.55E-05
1334	436725.3	3725096	3.26E-04	6.44E-05	3.46E-04	3.57E-05
1335	436725.6	3725087	3.28E-04	6.48E-05	3.48E-04	3.59E-05
1336	436751.6	3725716	3.48E-04	6.86E-05	3.69E-04	3.80E-05
1337	436746.4	3725707	3.46E-04	6.84E-05	3.68E-04	3.79E-05
1338	436741.2	3725699	3.45E-04	6.82E-05	3.67E-04	3.78E-05
1339	436736	3725691	3.42E-04	6.76E-05	3.63E-04	3.74E-05
1340	436730.9	3725683	3.39E-04	6.70E-05	3.60E-04	3.71E-05
1341	436725.7	3725675	3.36E-04	6.64E-05	3.57E-04	3.68E-05
1342	436720.5	3725667	3.33E-04	6.57E-05	3.53E-04	3.64E-05
1343	436715.4	3725659	3.29E-04	6.50E-05	3.50E-04	3.60E-05
1344	436710.2	3725650	3.26E-04	6.44E-05	3.46E-04	3.57E-05
1345	436705	3725642	3.23E-04	6.38E-05	3.43E-04	3.53E-05
1346	436670.6	3725537	3.03E-04	5.99E-05	3.22E-04	3.32E-05

1347	436671	3725527	3.04E-04	6.00E-05	3.23E-04	3.33E-05
1348	436674.2	3725440	3.13E-04	6.18E-05	3.32E-04	3.42E-05
1349	436674.6	3725431	3.13E-04	6.19E-05	3.33E-04	3.43E-05
1350	436674.9	3725421	3.14E-04	6.20E-05	3.33E-04	3.43E-05
1351	436675.3	3725412	3.14E-04	6.21E-05	3.34E-04	3.44E-05
1352	436678.2	3725334	3.05E-04	6.03E-05	3.24E-04	3.34E-05
1353	436678.5	3725325	3.04E-04	6.01E-05	3.23E-04	3.33E-05
1354	436678.9	3725315	3.04E-04	6.00E-05	3.23E-04	3.32E-05
1355	436679.2	3725305	3.03E-04	5.99E-05	3.22E-04	3.32E-05
1356	436679.6	3725296	3.02E-04	5.97E-05	3.21E-04	3.31E-05
1357	436681.8	3725238	3.01E-04	5.95E-05	3.20E-04	3.30E-05
1358	436682.1	3725228	3.01E-04	5.95E-05	3.20E-04	3.30E-05
1359	436682.5	3725219	3.01E-04	5.95E-05	3.20E-04	3.30E-05
1360	436682.8	3725209	3.01E-04	5.95E-05	3.20E-04	3.30E-05
1361	436683.2	3725199	3.02E-04	5.96E-05	3.20E-04	3.30E-05
1362	436686.4	3725112	3.04E-04	6.01E-05	3.23E-04	3.33E-05
1363	436686.8	3725103	3.04E-04	6.01E-05	3.23E-04	3.33E-05
1364	436687.2	3725093	3.04E-04	6.01E-05	3.23E-04	3.33E-05
1365	436712.2	3725725	3.27E-04	6.46E-05	3.47E-04	3.58E-05
1366	436707.1	3725717	3.25E-04	6.41E-05	3.45E-04	3.55E-05
1367	436702	3725709	3.22E-04	6.36E-05	3.42E-04	3.52E-05
1368	436696.8	3725701	3.19E-04	6.31E-05	3.39E-04	3.49E-05
1369	436691.7	3725693	3.17E-04	6.25E-05	3.36E-04	3.46E-05
1370	436686.6	3725685	3.14E-04	6.21E-05	3.34E-04	3.44E-05
1371	436681.5	3725676	3.12E-04	6.15E-05	3.31E-04	3.41E-05
1372	436676.3	3725668	3.09E-04	6.10E-05	3.28E-04	3.38E-05
1373	436671.2	3725660	3.06E-04	6.05E-05	3.26E-04	3.35E-05
1374	436666.1	3725652	3.04E-04	6.00E-05	3.23E-04	3.33E-05
1375	436661	3725644	3.02E-04	5.96E-05	3.20E-04	3.30E-05
1376	436655.8	3725636	2.99E-04	5.91E-05	3.18E-04	3.27E-05
1377	436650.7	3725628	2.97E-04	5.86E-05	3.15E-04	3.25E-05
1378	436645.6	3725620	2.95E-04	5.82E-05	3.13E-04	3.22E-05
1379	436640.5	3725612	2.92E-04	5.77E-05	3.11E-04	3.20E-05
1380	436635.3	3725604	2.90E-04	5.73E-05	3.08E-04	3.17E-05
1381	436630.6	3725586	2.88E-04	5.68E-05	3.06E-04	3.15E-05
1382	436630.9	3725576	2.87E-04	5.68E-05	3.05E-04	3.14E-05
1383	436631.3	3725567	2.87E-04	5.67E-05	3.05E-04	3.14E-05
1384	436631.6	3725557	2.88E-04	5.69E-05	3.06E-04	3.15E-05
1385	436632	3725548	2.89E-04	5.72E-05	3.07E-04	3.17E-05
1386	436632.3	3725538	2.90E-04	5.73E-05	3.08E-04	3.17E-05
1387	436632.7	3725529	2.90E-04	5.73E-05	3.08E-04	3.17E-05
1388	436633.1	3725519	2.91E-04	5.74E-05	3.09E-04	3.18E-05
1389	436633.4	3725510	2.91E-04	5.75E-05	3.09E-04	3.18E-05
1390	436643.4	3725242	2.84E-04	5.61E-05	3.02E-04	3.11E-05
1391	437682.2	3725421	2.09E-01	4.14E-02	2.22E-01	2.29E-02
1392	437676	3725429	1.62E-01	3.21E-02	1.72E-01	1.78E-02
1393	437669.7	3725437	1.30E-01	2.56E-02	1.38E-01	1.42E-02
1394	437663.5	3725444	1.06E-01	2.09E-02	1.12E-01	1.16E-02
1395	437657.2	3725452	8.79E-02	1.74E-02	9.34E-02	9.62E-03
1396	437645.1	3725455	7.38E-02	1.46E-02	7.84E-02	8.07E-03
1397	437638.9	3725463	6.25E-02	1.23E-02	6.63E-02	6.83E-03
1398	437607.6	3725502	3.06E-02	6.03E-03	3.25E-02	3.34E-03

1399	437595.1	3725518	2.39E-02	4.73E-03	2.54E-02	2.62E-03
1400	437582.6	3725533	1.91E-02	3.77E-03	2.03E-02	2.09E-03
1401	437570.1	3725549	1.55E-02	3.06E-03	1.65E-02	1.69E-03
1402	437631.4	3725681	9.30E-03	1.84E-03	9.88E-03	1.02E-03
1403	437617.3	3725676	8.98E-03	1.77E-03	9.54E-03	9.82E-04
1404	437603.2	3725672	8.62E-03	1.70E-03	9.15E-03	9.43E-04
1405	437661	3725710	8.76E-03	1.73E-03	9.31E-03	9.59E-04
1406	437646.9	3725705	8.51E-03	1.68E-03	9.04E-03	9.31E-04
1407	437632.7	3725701	8.28E-03	1.63E-03	8.79E-03	9.05E-04
1408	437618.6	3725696	8.02E-03	1.58E-03	8.52E-03	8.77E-04
1409	437604.5	3725692	7.70E-03	1.52E-03	8.17E-03	8.42E-04
1410	437590.3	3725687	7.34E-03	1.45E-03	7.80E-03	8.03E-04
1411	437576.2	3725682	7.02E-03	1.39E-03	7.45E-03	7.68E-04
1412	437578	3725712	6.12E-03	1.21E-03	6.50E-03	6.69E-04
1413	437563.9	3725707	5.84E-03	1.15E-03	6.20E-03	6.39E-04
1414	437549.7	3725703	5.52E-03	1.09E-03	5.86E-03	6.04E-04
1415	437722	3725788	6.80E-03	1.34E-03	7.22E-03	7.44E-04
1416	437707.8	3725784	6.72E-03	1.33E-03	7.14E-03	7.36E-04
1417	437693.6	3725779	6.63E-03	1.31E-03	7.04E-03	7.25E-04
1418	437752.3	3725822	6.16E-03	1.22E-03	6.54E-03	6.74E-04
1419	437738.5	3725823	5.91E-03	1.17E-03	6.28E-03	6.47E-04
1420	437724.3	3725818	5.83E-03	1.15E-03	6.19E-03	6.37E-04
1421	437710	3725814	5.73E-03	1.13E-03	6.08E-03	6.27E-04
1422	437695.8	3725809	5.66E-03	1.12E-03	6.01E-03	6.19E-04
1423	437681.5	3725804	5.58E-03	1.10E-03	5.93E-03	6.10E-04
1424	437553.4	3725762	4.32E-03	8.52E-04	4.58E-03	4.72E-04
1425	437539.2	3725758	4.12E-03	8.14E-04	4.38E-03	4.51E-04
1426	437525	3725753	3.93E-03	7.75E-04	4.17E-03	4.29E-04
1427	437774.7	3725842	5.93E-03	1.17E-03	6.29E-03	6.48E-04
1428	437761.3	3725848	5.59E-03	1.10E-03	5.94E-03	6.11E-04
1429	437740.8	3725853	5.21E-03	1.03E-03	5.53E-03	5.70E-04
1430	437726.5	3725848	5.11E-03	1.01E-03	5.43E-03	5.60E-04
1431	437598.2	3725806	4.23E-03	8.36E-04	4.50E-03	4.63E-04
1432	437583.9	3725801	4.12E-03	8.13E-04	4.37E-03	4.50E-04
1433	437569.7	3725797	3.99E-03	7.87E-04	4.23E-03	4.36E-04
1434	437555.4	3725792	3.84E-03	7.59E-04	4.08E-03	4.21E-04
1435	437541.1	3725787	3.69E-03	7.28E-04	3.92E-03	4.03E-04
1436	437526.9	3725783	3.53E-03	6.96E-04	3.74E-03	3.86E-04
1437	437810.5	3725854	6.01E-03	1.19E-03	6.38E-03	6.58E-04
1438	437797.1	3725861	5.71E-03	1.13E-03	6.06E-03	6.25E-04
1439	437783.7	3725868	5.42E-03	1.07E-03	5.76E-03	5.93E-04
1440	437770.3	3725875	5.15E-03	1.02E-03	5.47E-03	5.63E-04
1441	437614.5	3725841	3.80E-03	7.50E-04	4.03E-03	4.15E-04
1442	437600.2	3725836	3.72E-03	7.34E-04	3.95E-03	4.06E-04
1443	437557.4	3725822	3.43E-03	6.78E-04	3.65E-03	3.76E-04
1444	437833	3725874	5.74E-03	1.13E-03	6.10E-03	6.28E-04
1445	437819.6	3725881	5.49E-03	1.08E-03	5.83E-03	6.01E-04
1446	437806.2	3725888	5.24E-03	1.04E-03	5.57E-03	5.73E-04
1447	437792.8	3725895	5.00E-03	9.88E-04	5.31E-03	5.47E-04
1448	437645.3	3725880	3.57E-03	7.05E-04	3.79E-03	3.91E-04
1449	437631	3725875	3.47E-03	6.86E-04	3.69E-03	3.80E-04
1450	437616.7	3725870	3.38E-03	6.67E-04	3.59E-03	3.69E-04

1451	437602.4	3725866	3.30E-03	6.51E-04	3.50E-03	3.61E-04
1452	437855.5	3725894	5.41E-03	1.07E-03	5.74E-03	5.92E-04
1453	437842.1	3725901	5.22E-03	1.03E-03	5.54E-03	5.71E-04
1454	437828.7	3725907	5.02E-03	9.91E-04	5.33E-03	5.49E-04
1455	437815.3	3725914	4.80E-03	9.49E-04	5.10E-03	5.25E-04
1456	437801.8	3725921	4.60E-03	9.08E-04	4.88E-03	5.03E-04
1457	437788.4	3725928	4.39E-03	8.67E-04	4.66E-03	4.80E-04
1458	437690.4	3725924	3.57E-03	7.06E-04	3.80E-03	3.91E-04
1459	437676.1	3725919	3.48E-03	6.87E-04	3.69E-03	3.80E-04
1460	437878.1	3725913	5.09E-03	1.01E-03	5.41E-03	5.57E-04
1461	437864.7	3725920	4.92E-03	9.72E-04	5.23E-03	5.38E-04
1462	437851.2	3725927	4.75E-03	9.38E-04	5.05E-03	5.20E-04
1463	437837.8	3725934	4.57E-03	9.03E-04	4.86E-03	5.00E-04
1464	437824.4	3725941	4.39E-03	8.67E-04	4.66E-03	4.80E-04
1465	437810.9	3725948	4.21E-03	8.31E-04	4.47E-03	4.60E-04
1466	437797.5	3725954	4.03E-03	7.96E-04	4.28E-03	4.41E-04
1467	437735.6	3725968	3.47E-03	6.85E-04	3.69E-03	3.80E-04
1468	437721.3	3725963	3.41E-03	6.73E-04	3.62E-03	3.73E-04
1469	437707	3725958	3.34E-03	6.60E-04	3.55E-03	3.66E-04
1470	437692.6	3725954	3.27E-03	6.45E-04	3.47E-03	3.57E-04
1471	437678.3	3725949	3.19E-03	6.30E-04	3.39E-03	3.49E-04
1472	437664	3725944	3.10E-03	6.12E-04	3.29E-03	3.39E-04
1473	437649.6	3725940	3.01E-03	5.94E-04	3.20E-03	3.29E-04
1474	437846.9	3725960	4.19E-03	8.28E-04	4.45E-03	4.58E-04
1475	437833.5	3725967	4.02E-03	7.95E-04	4.28E-03	4.40E-04
1476	437820	3725974	3.87E-03	7.63E-04	4.11E-03	4.23E-04
1477	437723.6	3725993	3.11E-03	6.15E-04	3.31E-03	3.40E-04
1478	437709.2	3725988	3.06E-03	6.04E-04	3.25E-03	3.34E-04
1479	437694.9	3725984	3.00E-03	5.93E-04	3.19E-03	3.28E-04
1480	437680.5	3725979	2.94E-03	5.80E-04	3.12E-03	3.21E-04
1481	437666.2	3725974	2.85E-03	5.63E-04	3.03E-03	3.12E-04
1482	437651.8	3725969	2.77E-03	5.47E-04	2.94E-03	3.03E-04
1483	437637.5	3725965	2.69E-03	5.32E-04	2.86E-03	2.95E-04
1484	437623.1	3725960	2.62E-03	5.17E-04	2.78E-03	2.86E-04
1485	437802.2	3726014	3.27E-03	6.46E-04	3.47E-03	3.58E-04
1486	437788.7	3726021	3.14E-03	6.19E-04	3.33E-03	3.43E-04
1487	437775.2	3726028	3.00E-03	5.93E-04	3.19E-03	3.28E-04
1488	437697.1	3726014	2.76E-03	5.45E-04	2.93E-03	3.02E-04
1489	437682.8	3726009	2.71E-03	5.35E-04	2.88E-03	2.96E-04
1490	437668.4	3726004	2.64E-03	5.21E-04	2.80E-03	2.89E-04
1491	437654	3725999	2.56E-03	5.06E-04	2.72E-03	2.80E-04
1492	437953.6	3725978	4.13E-03	8.17E-04	4.39E-03	4.52E-04
1493	437940.1	3725985	4.06E-03	8.03E-04	4.32E-03	4.45E-04
1494	437926.6	3725992	3.99E-03	7.88E-04	4.24E-03	4.36E-04
1495	437913.1	3725999	3.89E-03	7.68E-04	4.13E-03	4.25E-04
1496	437899.6	3726006	3.76E-03	7.43E-04	4.00E-03	4.12E-04
1497	437805.3	3726054	2.87E-03	5.68E-04	3.05E-03	3.14E-04
1498	437791.8	3726061	2.75E-03	5.43E-04	2.92E-03	3.01E-04
1499	437778.3	3726068	2.62E-03	5.18E-04	2.79E-03	2.87E-04
1500	437983.8	3726005	3.76E-03	7.43E-04	3.99E-03	4.11E-04
1501	437970.3	3726011	3.71E-03	7.32E-04	3.94E-03	4.05E-04
1502	437956.8	3726018	3.65E-03	7.20E-04	3.87E-03	3.99E-04

1503	437943.3	3726025	3.58E-03	7.08E-04	3.81E-03	3.92E-04
1504	437929.8	3726032	3.51E-03	6.94E-04	3.73E-03	3.84E-04
1505	437916.3	3726039	3.43E-03	6.78E-04	3.64E-03	3.75E-04
1506	437902.8	3726046	3.33E-03	6.58E-04	3.54E-03	3.64E-04
1507	437889.3	3726053	3.24E-03	6.39E-04	3.44E-03	3.54E-04
1508	438014.1	3726031	3.43E-03	6.77E-04	3.64E-03	3.75E-04
1509	438000.6	3726037	3.39E-03	6.70E-04	3.60E-03	3.71E-04
1510	437987	3726044	3.35E-03	6.62E-04	3.56E-03	3.67E-04
1511	437973.5	3726051	3.31E-03	6.53E-04	3.51E-03	3.62E-04
1512	437960	3726058	3.25E-03	6.43E-04	3.46E-03	3.56E-04
1513	437946.5	3726065	3.20E-03	6.31E-04	3.39E-03	3.50E-04
1514	437933	3726072	3.13E-03	6.19E-04	3.33E-03	3.43E-04
1515	437919.5	3726079	3.07E-03	6.07E-04	3.26E-03	3.36E-04
1516	437906	3726086	2.99E-03	5.90E-04	3.17E-03	3.27E-04
1517	437677.4	3726124	1.86E-03	3.67E-04	1.97E-03	2.03E-04
1518	437663	3726119	1.82E-03	3.60E-04	1.94E-03	1.99E-04
1519	437648.6	3726114	1.79E-03	3.53E-04	1.90E-03	1.96E-04
1520	437634.2	3726109	1.75E-03	3.46E-04	1.86E-03	1.91E-04
1521	438044.3	3726057	3.14E-03	6.20E-04	3.34E-03	3.44E-04
1522	438030.8	3726063	3.11E-03	6.13E-04	3.30E-03	3.40E-04
1523	438017.3	3726070	3.07E-03	6.07E-04	3.27E-03	3.36E-04
1524	438003.8	3726077	3.04E-03	6.01E-04	3.23E-03	3.33E-04
1525	437990.3	3726084	3.01E-03	5.94E-04	3.20E-03	3.29E-04
1526	437976.8	3726091	2.97E-03	5.87E-04	3.16E-03	3.25E-04
1527	437963.3	3726098	2.92E-03	5.77E-04	3.11E-03	3.20E-04
1528	437949.7	3726105	2.88E-03	5.68E-04	3.05E-03	3.15E-04
1529	437936.2	3726112	2.82E-03	5.57E-04	2.99E-03	3.08E-04
1530	437922.7	3726119	2.76E-03	5.45E-04	2.93E-03	3.02E-04
1531	437909.2	3726125	2.69E-03	5.32E-04	2.86E-03	2.95E-04
1532	437895.7	3726132	2.63E-03	5.19E-04	2.79E-03	2.87E-04
1533	437882.2	3726139	2.55E-03	5.04E-04	2.71E-03	2.79E-04
1534	437666	3726159	1.69E-03	3.35E-04	1.80E-03	1.85E-04
1535	437651.6	3726154	1.65E-03	3.26E-04	1.75E-03	1.81E-04
1536	437637.1	3726149	1.61E-03	3.19E-04	1.71E-03	1.76E-04
1537	437622.7	3726145	1.57E-03	3.11E-04	1.67E-03	1.72E-04
1538	438074.6	3726083	2.95E-03	5.83E-04	3.14E-03	3.23E-04
1539	438061.1	3726089	2.90E-03	5.74E-04	3.09E-03	3.18E-04
1540	438047.6	3726096	2.86E-03	5.64E-04	3.03E-03	3.12E-04
1541	438034.1	3726103	2.81E-03	5.56E-04	2.99E-03	3.08E-04
1542	438020.5	3726110	2.78E-03	5.50E-04	2.96E-03	3.04E-04
1543	438007	3726117	2.75E-03	5.43E-04	2.92E-03	3.01E-04
1544	437993.5	3726124	2.72E-03	5.37E-04	2.89E-03	2.97E-04
1545	437980	3726131	2.68E-03	5.30E-04	2.85E-03	2.93E-04
1546	437966.4	3726138	2.64E-03	5.22E-04	2.81E-03	2.89E-04
1547	437952.9	3726145	2.60E-03	5.14E-04	2.76E-03	2.84E-04
1548	437939.4	3726151	2.55E-03	5.04E-04	2.71E-03	2.79E-04
1549	437925.9	3726158	2.50E-03	4.93E-04	2.65E-03	2.73E-04
1550	437912.4	3726165	2.44E-03	4.82E-04	2.59E-03	2.67E-04
1551	437898.8	3726172	2.38E-03	4.69E-04	2.52E-03	2.60E-04
1552	437885.3	3726179	2.31E-03	4.56E-04	2.45E-03	2.53E-04
1553	437871.8	3726186	2.25E-03	4.43E-04	2.38E-03	2.46E-04
1554	437858.3	3726193	2.18E-03	4.31E-04	2.32E-03	2.39E-04

1555	437844.7	3726200	2.11E-03	4.17E-04	2.24E-03	2.31E-04
1556	437831.2	3726207	2.05E-03	4.04E-04	2.17E-03	2.24E-04
1557	437817.7	3726213	1.98E-03	3.90E-04	2.10E-03	2.16E-04
1558	437611.3	3726180	1.44E-03	2.84E-04	1.52E-03	1.57E-04
1559	437596.9	3726175	1.41E-03	2.78E-04	1.49E-03	1.54E-04
1560	437582.4	3726170	1.38E-03	2.73E-04	1.47E-03	1.51E-04
1561	438348.6	3725984	2.55E-03	5.03E-04	2.71E-03	2.79E-04
1562	438094.5	3726114	2.75E-03	5.43E-04	2.92E-03	3.01E-04
1563	438081.1	3726121	2.71E-03	5.35E-04	2.88E-03	2.96E-04
1564	438067.7	3726128	2.67E-03	5.26E-04	2.83E-03	2.92E-04
1565	438054.4	3726134	2.62E-03	5.18E-04	2.79E-03	2.87E-04
1566	438041	3726141	2.58E-03	5.09E-04	2.74E-03	2.82E-04
1567	438027.6	3726148	2.54E-03	5.02E-04	2.70E-03	2.78E-04
1568	438014.2	3726155	2.51E-03	4.95E-04	2.66E-03	2.74E-04
1569	438000.9	3726162	2.48E-03	4.89E-04	2.63E-03	2.71E-04
1570	437987.5	3726168	2.45E-03	4.83E-04	2.60E-03	2.68E-04
1571	437974.1	3726175	2.41E-03	4.77E-04	2.56E-03	2.64E-04
1572	437960.7	3726182	2.38E-03	4.69E-04	2.52E-03	2.60E-04
1573	437947.4	3726189	2.34E-03	4.61E-04	2.48E-03	2.55E-04
1574	437934	3726196	2.29E-03	4.53E-04	2.43E-03	2.51E-04
1575	437920.6	3726202	2.24E-03	4.43E-04	2.38E-03	2.45E-04
1576	437907.2	3726209	2.18E-03	4.31E-04	2.32E-03	2.39E-04
1577	437893.9	3726216	2.12E-03	4.19E-04	2.25E-03	2.32E-04
1578	437616.2	3726220	1.34E-03	2.65E-04	1.43E-03	1.47E-04
1579	437601.9	3726215	1.32E-03	2.60E-04	1.40E-03	1.44E-04
1580	437587.7	3726211	1.29E-03	2.54E-04	1.37E-03	1.41E-04
1581	437573.4	3726206	1.26E-03	2.50E-04	1.34E-03	1.38E-04
1582	437559.2	3726201	1.24E-03	2.45E-04	1.32E-03	1.35E-04
1583	438360.2	3725975	2.51E-03	4.96E-04	2.67E-03	2.75E-04
1584	438370	3725964	2.48E-03	4.91E-04	2.64E-03	2.72E-04
1585	438379	3726010	2.35E-03	4.64E-04	2.50E-03	2.57E-04
1586	438365.7	3726017	2.40E-03	4.73E-04	2.54E-03	2.62E-04
1587	438352.3	3726024	2.44E-03	4.82E-04	2.59E-03	2.67E-04
1588	438338.9	3726031	2.49E-03	4.91E-04	2.64E-03	2.72E-04
1589	438325.5	3726038	2.53E-03	5.00E-04	2.69E-03	2.77E-04
1590	438312.1	3726044	2.57E-03	5.07E-04	2.73E-03	2.81E-04
1591	438298.7	3726051	2.60E-03	5.13E-04	2.76E-03	2.84E-04
1592	438124.7	3726140	2.59E-03	5.12E-04	2.75E-03	2.83E-04
1593	438111.3	3726147	2.56E-03	5.05E-04	2.72E-03	2.80E-04
1594	438097.9	3726154	2.52E-03	4.98E-04	2.68E-03	2.76E-04
1595	438084.5	3726160	2.48E-03	4.90E-04	2.64E-03	2.72E-04
1596	438071.1	3726167	2.44E-03	4.82E-04	2.59E-03	2.67E-04
1597	438057.7	3726174	2.40E-03	4.73E-04	2.55E-03	2.62E-04
1598	438044.3	3726181	2.35E-03	4.65E-04	2.50E-03	2.57E-04
1599	438030.9	3726188	2.32E-03	4.58E-04	2.46E-03	2.54E-04
1600	438017.6	3726195	2.29E-03	4.53E-04	2.43E-03	2.51E-04
1601	438004.2	3726201	2.26E-03	4.47E-04	2.40E-03	2.48E-04
1602	437990.8	3726208	2.23E-03	4.41E-04	2.37E-03	2.44E-04
1603	437977.4	3726215	2.20E-03	4.35E-04	2.34E-03	2.41E-04
1604	437964	3726222	2.17E-03	4.28E-04	2.30E-03	2.37E-04
1605	437950.6	3726229	2.13E-03	4.21E-04	2.26E-03	2.33E-04
1606	437937.2	3726235	2.09E-03	4.12E-04	2.22E-03	2.28E-04

1607	437923.8	3726242	2.04E-03	4.04E-04	2.17E-03	2.24E-04
1608	437776.1	3726312	1.48E-03	2.92E-04	1.57E-03	1.62E-04
1609	437761.9	3726307	1.46E-03	2.89E-04	1.56E-03	1.60E-04
1610	437747.6	3726302	1.45E-03	2.86E-04	1.54E-03	1.59E-04
1611	437733.3	3726298	1.43E-03	2.83E-04	1.52E-03	1.57E-04
1612	437604.8	3726255	1.24E-03	2.45E-04	1.32E-03	1.35E-04
1613	438409.5	3726036	2.19E-03	4.32E-04	2.33E-03	2.40E-04
1614	438396.1	3726043	2.23E-03	4.41E-04	2.37E-03	2.44E-04
1615	438382.7	3726050	2.27E-03	4.48E-04	2.41E-03	2.48E-04
1616	438369.3	3726057	2.30E-03	4.55E-04	2.45E-03	2.52E-04
1617	438355.9	3726064	2.34E-03	4.62E-04	2.49E-03	2.56E-04
1618	438342.5	3726070	2.37E-03	4.69E-04	2.52E-03	2.60E-04
1619	438329.1	3726077	2.40E-03	4.74E-04	2.55E-03	2.63E-04
1620	438315.7	3726084	2.43E-03	4.79E-04	2.58E-03	2.65E-04
1621	438302.3	3726091	2.45E-03	4.83E-04	2.60E-03	2.68E-04
1622	438288.9	3726098	2.47E-03	4.87E-04	2.62E-03	2.70E-04
1623	438275.5	3726105	2.48E-03	4.90E-04	2.63E-03	2.71E-04
1624	438262.1	3726111	2.49E-03	4.92E-04	2.64E-03	2.72E-04
1625	438248.7	3726118	2.50E-03	4.93E-04	2.65E-03	2.73E-04
1626	438235.3	3726125	2.50E-03	4.93E-04	2.65E-03	2.73E-04
1627	438128.1	3726180	2.37E-03	4.67E-04	2.51E-03	2.59E-04
1628	438114.7	3726187	2.34E-03	4.62E-04	2.48E-03	2.56E-04
1629	438101.3	3726193	2.31E-03	4.56E-04	2.45E-03	2.53E-04
1630	438087.9	3726200	2.27E-03	4.48E-04	2.41E-03	2.48E-04
1631	438074.5	3726207	2.23E-03	4.41E-04	2.37E-03	2.44E-04
1632	438061.1	3726214	2.20E-03	4.34E-04	2.33E-03	2.40E-04
1633	438047.7	3726221	2.17E-03	4.28E-04	2.30E-03	2.37E-04
1634	438034.3	3726227	2.14E-03	4.22E-04	2.27E-03	2.34E-04
1635	438020.9	3726234	2.11E-03	4.16E-04	2.24E-03	2.31E-04
1636	438007.5	3726241	2.08E-03	4.11E-04	2.21E-03	2.27E-04
1637	437994.1	3726248	2.05E-03	4.05E-04	2.18E-03	2.24E-04
1638	437980.7	3726255	2.02E-03	3.99E-04	2.15E-03	2.21E-04
1639	437967.3	3726262	1.99E-03	3.92E-04	2.11E-03	2.17E-04
1640	437953.9	3726268	1.95E-03	3.85E-04	2.07E-03	2.13E-04
1641	437940.5	3726275	1.91E-03	3.77E-04	2.03E-03	2.09E-04
1642	437927.1	3726282	1.86E-03	3.68E-04	1.98E-03	2.04E-04
1643	437913.7	3726289	1.82E-03	3.59E-04	1.93E-03	1.99E-04
1644	437873.4	3726309	1.66E-03	3.28E-04	1.77E-03	1.82E-04
1645	437860	3726316	1.61E-03	3.19E-04	1.71E-03	1.77E-04
1646	437846.6	3726323	1.57E-03	3.10E-04	1.67E-03	1.72E-04
1647	437806.4	3726344	1.44E-03	2.83E-04	1.52E-03	1.57E-04
1648	437793	3726350	1.39E-03	2.75E-04	1.48E-03	1.52E-04
1649	437779.2	3726351	1.37E-03	2.70E-04	1.45E-03	1.49E-04
1650	437764.9	3726347	1.35E-03	2.67E-04	1.44E-03	1.48E-04
1651	437750.6	3726342	1.34E-03	2.64E-04	1.42E-03	1.46E-04
1652	437736.3	3726337	1.32E-03	2.61E-04	1.41E-03	1.45E-04
1653	437722	3726333	1.31E-03	2.58E-04	1.39E-03	1.43E-04
1654	437707.7	3726328	1.29E-03	2.55E-04	1.37E-03	1.41E-04
1655	437693.5	3726323	1.27E-03	2.51E-04	1.35E-03	1.39E-04
1656	438421.1	3726027	2.16E-03	4.26E-04	2.29E-03	2.36E-04
1657	438431	3726016	2.14E-03	4.23E-04	2.27E-03	2.34E-04
1658	437863.2	3726356	1.50E-03	2.95E-04	1.59E-03	1.64E-04

1659	437849.8	3726363	1.45E-03	2.87E-04	1.54E-03	1.59E-04
1660	437836.4	3726370	1.41E-03	2.79E-04	1.50E-03	1.55E-04
1661	437822.9	3726377	1.38E-03	2.72E-04	1.46E-03	1.51E-04
1662	437809.5	3726383	1.34E-03	2.65E-04	1.43E-03	1.47E-04
1663	437796.1	3726390	1.31E-03	2.59E-04	1.39E-03	1.43E-04
1664	437782.3	3726391	1.29E-03	2.54E-04	1.37E-03	1.41E-04
1665	437768	3726387	1.27E-03	2.52E-04	1.35E-03	1.39E-04
1666	437753.7	3726382	1.26E-03	2.48E-04	1.33E-03	1.37E-04
1667	437739.4	3726377	1.24E-03	2.45E-04	1.31E-03	1.35E-04
1668	437725.1	3726373	1.22E-03	2.41E-04	1.30E-03	1.33E-04
1669	437710.8	3726368	1.20E-03	2.37E-04	1.28E-03	1.32E-04
1670	437696.4	3726363	1.19E-03	2.34E-04	1.26E-03	1.30E-04
1671	437682.1	3726358	1.17E-03	2.31E-04	1.24E-03	1.28E-04
1672	437667.8	3726354	1.16E-03	2.28E-04	1.23E-03	1.26E-04
1673	438461.4	3726041	2.00E-03	3.94E-04	2.12E-03	2.18E-04
1674	437799.2	3726430	1.24E-03	2.44E-04	1.31E-03	1.35E-04
1675	437785.3	3726431	1.22E-03	2.41E-04	1.29E-03	1.33E-04
1676	437771	3726427	1.21E-03	2.39E-04	1.29E-03	1.32E-04
1677	437756.7	3726422	1.19E-03	2.36E-04	1.27E-03	1.31E-04
1678	437742.4	3726417	1.18E-03	2.32E-04	1.25E-03	1.29E-04
1679	437728.1	3726412	1.16E-03	2.29E-04	1.23E-03	1.27E-04
1680	437713.8	3726408	1.14E-03	2.26E-04	1.21E-03	1.25E-04
1681	437699.4	3726403	1.13E-03	2.22E-04	1.20E-03	1.23E-04
1682	437685.1	3726398	1.11E-03	2.19E-04	1.18E-03	1.21E-04
1683	437670.8	3726394	1.10E-03	2.16E-04	1.16E-03	1.20E-04
1684	437656.5	3726389	1.08E-03	2.14E-04	1.15E-03	1.19E-04
1685	437642.2	3726384	1.08E-03	2.13E-04	1.14E-03	1.18E-04
1686	437627.9	3726380	1.07E-03	2.11E-04	1.13E-03	1.17E-04
1687	437912.1	3725196	2.91E-02	5.74E-03	3.09E-02	3.18E-03
1688	437925.1	3725181	2.50E-02	4.93E-03	2.65E-02	2.73E-03
1689	437944.6	3725158	2.01E-02	3.97E-03	2.13E-02	2.20E-03
1690	438044.9	3725105	9.91E-03	1.96E-03	1.05E-02	1.08E-03
1691	438051.5	3725118	1.01E-02	2.00E-03	1.08E-02	1.11E-03
1692	438058.2	3725131	1.03E-02	2.03E-03	1.09E-02	1.13E-03
1693	438064.5	3725082	8.39E-03	1.66E-03	8.91E-03	9.17E-04
1694	438071.1	3725095	8.60E-03	1.70E-03	9.13E-03	9.41E-04
1695	438077.8	3725108	8.79E-03	1.74E-03	9.33E-03	9.61E-04
1696	438084.4	3725121	8.92E-03	1.76E-03	9.48E-03	9.76E-04
1697	438117.6	3725186	9.05E-03	1.79E-03	9.62E-03	9.90E-04
1698	438124.2	3725199	8.97E-03	1.77E-03	9.53E-03	9.82E-04
1699	438084.1	3725059	7.16E-03	1.41E-03	7.61E-03	7.84E-04
1700	438090.7	3725072	7.36E-03	1.45E-03	7.82E-03	8.05E-04
1701	438097.4	3725085	7.54E-03	1.49E-03	8.01E-03	8.25E-04
1702	438104	3725098	7.67E-03	1.52E-03	8.15E-03	8.40E-04
1703	438130.7	3725151	7.93E-03	1.57E-03	8.42E-03	8.67E-04
1704	438137.3	3725164	7.93E-03	1.57E-03	8.42E-03	8.67E-04
1705	438144	3725177	7.90E-03	1.56E-03	8.39E-03	8.64E-04
1706	438150.6	3725190	7.82E-03	1.54E-03	8.31E-03	8.55E-04
1707	438157.3	3725203	7.72E-03	1.52E-03	8.20E-03	8.44E-04
1708	438163.9	3725216	7.58E-03	1.50E-03	8.05E-03	8.29E-04
1709	438117	3725063	6.50E-03	1.28E-03	6.91E-03	7.12E-04
1710	438123.7	3725076	6.64E-03	1.31E-03	7.05E-03	7.26E-04

1711	438150.3	3725128	6.94E-03	1.37E-03	7.37E-03	7.59E-04
1712	438157	3725141	6.94E-03	1.37E-03	7.37E-03	7.59E-04
1713	438163.7	3725155	6.94E-03	1.37E-03	7.37E-03	7.59E-04
1714	438170.3	3725168	6.92E-03	1.37E-03	7.35E-03	7.57E-04
1715	438177	3725181	6.86E-03	1.36E-03	7.29E-03	7.51E-04
1716	438183.7	3725194	6.78E-03	1.34E-03	7.20E-03	7.42E-04
1717	438190.3	3725207	6.68E-03	1.32E-03	7.10E-03	7.31E-04
1718	438190	3725145	6.15E-03	1.22E-03	6.54E-03	6.73E-04
1719	438196.7	3725158	6.11E-03	1.21E-03	6.49E-03	6.69E-04
1720	438203.4	3725172	6.05E-03	1.19E-03	6.43E-03	6.62E-04
1721	438210.1	3725185	5.97E-03	1.18E-03	6.34E-03	6.53E-04
1722	438243.5	3725251	5.47E-03	1.08E-03	5.81E-03	5.98E-04
1723	438250.1	3725264	5.35E-03	1.06E-03	5.68E-03	5.85E-04
1724	438261	3725224	5.02E-03	9.92E-04	5.33E-03	5.49E-04
1725	438267.6	3725237	4.92E-03	9.71E-04	5.22E-03	5.38E-04
1726	438274.2	3725250	4.83E-03	9.53E-04	5.13E-03	5.28E-04
1727	438280.8	3725263	4.73E-03	9.35E-04	5.03E-03	5.18E-04
1728	438287.4	3725276	4.63E-03	9.15E-04	4.92E-03	5.07E-04
1729	438294	3725289	4.54E-03	8.96E-04	4.82E-03	4.96E-04
1730	438155.4	3724934	3.39E-03	6.69E-04	3.60E-03	3.71E-04
1731	438175.2	3724973	3.91E-03	7.72E-04	4.15E-03	4.28E-04
1732	438181.8	3724986	4.09E-03	8.08E-04	4.35E-03	4.47E-04
1733	438188.4	3724999	4.26E-03	8.40E-04	4.52E-03	4.66E-04
1734	438195	3725012	4.36E-03	8.62E-04	4.64E-03	4.77E-04
1735	438201.6	3725025	4.46E-03	8.81E-04	4.74E-03	4.88E-04
1736	438208.2	3725038	4.54E-03	8.97E-04	4.82E-03	4.97E-04
1737	438214.9	3725051	4.60E-03	9.09E-04	4.89E-03	5.04E-04
1738	438307.3	3725233	4.17E-03	8.23E-04	4.43E-03	4.56E-04
1739	438313.9	3725246	4.09E-03	8.07E-04	4.34E-03	4.47E-04
1740	438360.2	3725337	3.61E-03	7.13E-04	3.83E-03	3.95E-04
1741	438366.8	3725350	3.55E-03	7.01E-04	3.77E-03	3.88E-04
1742	438146.5	3724923	3.30E-03	6.52E-04	3.51E-03	3.61E-04
1743	438221.2	3724982	3.66E-03	7.22E-04	3.89E-03	4.00E-04
1744	438227.8	3724995	3.78E-03	7.47E-04	4.02E-03	4.14E-04
1745	438234.4	3725008	3.86E-03	7.62E-04	4.10E-03	4.22E-04
1746	438241.1	3725021	3.93E-03	7.77E-04	4.18E-03	4.30E-04
1747	438247.7	3725034	3.99E-03	7.88E-04	4.24E-03	4.37E-04
1748	438254.3	3725047	4.04E-03	7.98E-04	4.29E-03	4.42E-04
1749	438260.9	3725060	4.09E-03	8.07E-04	4.34E-03	4.47E-04
1750	438280.8	3725099	4.15E-03	8.19E-04	4.41E-03	4.54E-04
1751	438287.4	3725113	4.14E-03	8.17E-04	4.40E-03	4.53E-04
1752	438294	3725126	4.11E-03	8.12E-04	4.37E-03	4.50E-04
1753	438386.7	3725308	3.22E-03	6.36E-04	3.42E-03	3.52E-04
1754	438393.4	3725321	3.19E-03	6.30E-04	3.39E-03	3.49E-04
1755	438400	3725334	3.15E-03	6.23E-04	3.35E-03	3.45E-04
1756	438406.6	3725347	3.10E-03	6.13E-04	3.29E-03	3.39E-04
1757	438411	3725367	3.07E-03	6.06E-04	3.26E-03	3.36E-04
1758	438406.5	3725381	3.11E-03	6.15E-04	3.31E-03	3.41E-04
1759	438172.6	3724893	2.81E-03	5.56E-04	2.99E-03	3.08E-04
1760	438267.3	3724991	3.31E-03	6.54E-04	3.51E-03	3.62E-04
1761	438273.9	3725004	3.38E-03	6.68E-04	3.59E-03	3.70E-04
1762	438280.5	3725017	3.44E-03	6.80E-04	3.66E-03	3.77E-04

1763	438287.2	3725030	3.51E-03	6.93E-04	3.73E-03	3.84E-04
1764	438293.8	3725043	3.56E-03	7.04E-04	3.79E-03	3.90E-04
1765	438307.1	3725070	3.63E-03	7.18E-04	3.86E-03	3.97E-04
1766	438313.7	3725083	3.64E-03	7.20E-04	3.87E-03	3.99E-04
1767	438320.4	3725096	3.64E-03	7.19E-04	3.87E-03	3.98E-04
1768	438327	3725109	3.62E-03	7.15E-04	3.84E-03	3.96E-04
1769	438333.6	3725122	3.59E-03	7.09E-04	3.81E-03	3.93E-04
1770	438340.3	3725135	3.55E-03	7.02E-04	3.77E-03	3.89E-04
1771	438346.9	3725148	3.51E-03	6.94E-04	3.73E-03	3.84E-04
1772	438353.6	3725161	3.46E-03	6.84E-04	3.68E-03	3.79E-04
1773	438360.2	3725174	3.41E-03	6.73E-04	3.62E-03	3.73E-04
1774	438366.8	3725187	3.35E-03	6.62E-04	3.56E-03	3.67E-04
1775	438450.9	3725364	2.71E-03	5.36E-04	2.88E-03	2.97E-04
1776	438446.3	3725378	2.75E-03	5.43E-04	2.92E-03	3.01E-04
1777	438441.8	3725392	2.78E-03	5.50E-04	2.96E-03	3.05E-04
1778	438437.3	3725406	2.81E-03	5.56E-04	2.99E-03	3.08E-04
1779	438432.8	3725420	2.84E-03	5.62E-04	3.02E-03	3.11E-04
1780	438340	3725053	3.20E-03	6.33E-04	3.40E-03	3.50E-04
1781	438346.7	3725066	3.21E-03	6.35E-04	3.41E-03	3.52E-04
1782	438353.3	3725079	3.22E-03	6.35E-04	3.42E-03	3.52E-04
1783	438360	3725092	3.21E-03	6.33E-04	3.41E-03	3.51E-04
1784	438366.6	3725105	3.19E-03	6.30E-04	3.39E-03	3.49E-04
1785	438373.3	3725118	3.17E-03	6.26E-04	3.36E-03	3.47E-04
1786	438379.9	3725131	3.14E-03	6.20E-04	3.33E-03	3.43E-04
1787	438386.6	3725144	3.11E-03	6.13E-04	3.30E-03	3.40E-04
1788	438393.2	3725158	3.06E-03	6.05E-04	3.25E-03	3.35E-04
1789	438399.9	3725171	3.02E-03	5.96E-04	3.20E-03	3.30E-04
1790	438406.5	3725184	2.97E-03	5.86E-04	3.15E-03	3.25E-04
1791	438413.2	3725197	2.92E-03	5.76E-04	3.10E-03	3.19E-04
1792	438419.8	3725210	2.86E-03	5.66E-04	3.04E-03	3.13E-04
1793	438426.5	3725223	2.81E-03	5.55E-04	2.99E-03	3.08E-04
1794	438433.1	3725236	2.76E-03	5.45E-04	2.93E-03	3.02E-04
1795	438439.8	3725249	2.70E-03	5.33E-04	2.87E-03	2.95E-04
1796	438446.4	3725262	2.63E-03	5.20E-04	2.80E-03	2.88E-04
1797	438477.1	3725403	2.51E-03	4.96E-04	2.67E-03	2.75E-04
1798	438472.6	3725417	2.53E-03	5.00E-04	2.69E-03	2.77E-04
1799	438468.1	3725431	2.56E-03	5.05E-04	2.71E-03	2.80E-04
1800	438463.5	3725445	2.58E-03	5.09E-04	2.74E-03	2.82E-04
1801	438379.6	3725049	2.85E-03	5.63E-04	3.03E-03	3.12E-04
1802	438386.3	3725062	2.85E-03	5.64E-04	3.03E-03	3.12E-04
1803	438392.9	3725075	2.85E-03	5.63E-04	3.03E-03	3.12E-04
1804	438399.6	3725088	2.84E-03	5.61E-04	3.02E-03	3.11E-04
1805	438406.3	3725102	2.83E-03	5.58E-04	3.00E-03	3.09E-04
1806	438412.9	3725115	2.81E-03	5.55E-04	2.98E-03	3.07E-04
1807	438419.6	3725128	2.78E-03	5.50E-04	2.96E-03	3.05E-04
1808	438426.2	3725141	2.75E-03	5.44E-04	2.92E-03	3.01E-04
1809	438432.9	3725154	2.72E-03	5.37E-04	2.89E-03	2.98E-04
1810	438439.6	3725167	2.68E-03	5.30E-04	2.85E-03	2.94E-04
1811	438446.2	3725180	2.65E-03	5.23E-04	2.81E-03	2.89E-04
1812	438452.9	3725193	2.60E-03	5.14E-04	2.77E-03	2.85E-04
1813	438459.6	3725207	2.56E-03	5.05E-04	2.72E-03	2.80E-04
1814	438466.2	3725220	2.52E-03	4.97E-04	2.67E-03	2.75E-04

1815	438472.9	3725233	2.46E-03	4.86E-04	2.62E-03	2.69E-04
1816	438479.6	3725246	2.40E-03	4.75E-04	2.55E-03	2.63E-04
1817	438486.2	3725259	2.35E-03	4.63E-04	2.49E-03	2.57E-04
1818	438492.9	3725272	2.30E-03	4.54E-04	2.44E-03	2.52E-04
1819	438499.5	3725285	2.27E-03	4.48E-04	2.41E-03	2.48E-04
1820	438506.2	3725298	2.23E-03	4.41E-04	2.37E-03	2.44E-04
1821	438512.9	3725312	2.20E-03	4.35E-04	2.34E-03	2.41E-04
1822	438519.5	3725325	2.17E-03	4.28E-04	2.30E-03	2.37E-04
1823	438526.2	3725338	2.14E-03	4.23E-04	2.28E-03	2.35E-04
1824	438507.9	3725428	2.29E-03	4.52E-04	2.43E-03	2.50E-04
1825	438503.4	3725442	2.31E-03	4.57E-04	2.46E-03	2.53E-04
1826	438498.8	3725456	2.33E-03	4.61E-04	2.48E-03	2.55E-04
1827	438494.3	3725470	2.36E-03	4.65E-04	2.50E-03	2.58E-04
1828	438412.5	3725032	2.55E-03	5.04E-04	2.71E-03	2.79E-04
1829	438419.2	3725045	2.56E-03	5.05E-04	2.72E-03	2.80E-04
1830	438425.9	3725059	2.56E-03	5.06E-04	2.72E-03	2.80E-04
1831	438432.6	3725072	2.55E-03	5.04E-04	2.71E-03	2.79E-04
1832	438439.2	3725085	2.54E-03	5.02E-04	2.70E-03	2.78E-04
1833	438445.9	3725098	2.53E-03	4.99E-04	2.68E-03	2.76E-04
1834	438452.6	3725111	2.51E-03	4.95E-04	2.66E-03	2.74E-04
1835	438459.3	3725124	2.49E-03	4.91E-04	2.64E-03	2.72E-04
1836	438465.9	3725137	2.46E-03	4.86E-04	2.62E-03	2.69E-04
1837	438472.6	3725151	2.44E-03	4.82E-04	2.59E-03	2.67E-04
1838	438479.3	3725164	2.41E-03	4.76E-04	2.56E-03	2.63E-04
1839	438486	3725177	2.38E-03	4.69E-04	2.52E-03	2.60E-04
1840	438492.6	3725190	2.35E-03	4.64E-04	2.50E-03	2.57E-04
1841	438499.3	3725203	2.33E-03	4.60E-04	2.47E-03	2.55E-04
1842	438506	3725216	2.28E-03	4.50E-04	2.42E-03	2.49E-04
1843	438512.7	3725229	2.23E-03	4.40E-04	2.37E-03	2.44E-04
1844	438519.3	3725243	2.18E-03	4.31E-04	2.32E-03	2.39E-04
1845	438526	3725256	2.14E-03	4.23E-04	2.27E-03	2.34E-04
1846	438532.7	3725269	2.10E-03	4.14E-04	2.23E-03	2.29E-04
1847	438539.4	3725282	2.05E-03	4.05E-04	2.18E-03	2.25E-04
1848	438546	3725295	2.00E-03	3.96E-04	2.13E-03	2.19E-04
1849	438552.7	3725308	1.97E-03	3.90E-04	2.10E-03	2.16E-04
1850	438559.4	3725322	1.95E-03	3.85E-04	2.07E-03	2.13E-04
1851	438566.1	3725335	1.92E-03	3.80E-04	2.04E-03	2.10E-04
1852	438570.5	3725355	1.91E-03	3.78E-04	2.03E-03	2.09E-04
1853	438565.9	3725369	1.95E-03	3.85E-04	2.07E-03	2.13E-04
1854	438561.4	3725383	1.99E-03	3.92E-04	2.11E-03	2.17E-04
1855	438534.1	3725467	2.13E-03	4.20E-04	2.26E-03	2.33E-04
1856	438529.6	3725481	2.15E-03	4.24E-04	2.28E-03	2.35E-04
1857	438525	3725495	2.17E-03	4.28E-04	2.30E-03	2.37E-04
1858	438520.5	3725509	2.19E-03	4.33E-04	2.33E-03	2.40E-04
1859	438379.5	3725944	2.50E-03	4.93E-04	2.65E-03	2.73E-04
1860	438452.2	3725029	2.30E-03	4.54E-04	2.44E-03	2.52E-04
1861	438458.8	3725042	2.30E-03	4.55E-04	2.45E-03	2.52E-04
1862	438465.5	3725055	2.30E-03	4.54E-04	2.44E-03	2.51E-04
1863	438472.2	3725068	2.29E-03	4.52E-04	2.43E-03	2.50E-04
1864	438478.9	3725081	2.27E-03	4.49E-04	2.42E-03	2.49E-04
1865	438485.6	3725095	2.26E-03	4.46E-04	2.40E-03	2.47E-04
1866	438492.3	3725108	2.24E-03	4.42E-04	2.38E-03	2.45E-04

1867	438499	3725121	2.22E-03	4.39E-04	2.36E-03	2.43E-04
1868	438505.6	3725134	2.21E-03	4.36E-04	2.35E-03	2.42E-04
1869	438512.3	3725147	2.19E-03	4.33E-04	2.33E-03	2.40E-04
1870	438519	3725160	2.17E-03	4.28E-04	2.30E-03	2.37E-04
1871	438525.7	3725174	2.15E-03	4.24E-04	2.28E-03	2.35E-04
1872	438532.4	3725187	2.13E-03	4.20E-04	2.26E-03	2.33E-04
1873	438539.1	3725200	2.10E-03	4.15E-04	2.23E-03	2.30E-04
1874	438545.8	3725213	2.07E-03	4.09E-04	2.20E-03	2.26E-04
1875	438552.5	3725226	2.03E-03	4.02E-04	2.16E-03	2.23E-04
1876	438559.1	3725239	2.00E-03	3.95E-04	2.12E-03	2.19E-04
1877	438565.8	3725253	1.96E-03	3.86E-04	2.08E-03	2.14E-04
1878	438572.5	3725266	1.91E-03	3.78E-04	2.03E-03	2.09E-04
1879	438579.2	3725279	1.87E-03	3.69E-04	1.99E-03	2.04E-04
1880	438585.9	3725292	1.83E-03	3.61E-04	1.94E-03	2.00E-04
1881	438592.6	3725305	1.79E-03	3.55E-04	1.91E-03	1.96E-04
1882	438599.3	3725318	1.76E-03	3.48E-04	1.87E-03	1.93E-04
1883	438605.9	3725332	1.73E-03	3.42E-04	1.84E-03	1.90E-04
1884	438610.3	3725352	1.72E-03	3.40E-04	1.83E-03	1.88E-04
1885	438605.8	3725366	1.75E-03	3.46E-04	1.86E-03	1.92E-04
1886	438601.2	3725380	1.79E-03	3.53E-04	1.90E-03	1.96E-04
1887	438596.7	3725394	1.82E-03	3.60E-04	1.93E-03	1.99E-04
1888	438592.1	3725408	1.85E-03	3.65E-04	1.96E-03	2.02E-04
1889	438560.3	3725506	1.99E-03	3.93E-04	2.11E-03	2.17E-04
1890	438555.7	3725520	2.01E-03	3.96E-04	2.13E-03	2.19E-04
1891	438551.1	3725534	2.03E-03	4.00E-04	2.15E-03	2.22E-04
1892	438490.2	3725022	2.08E-03	4.10E-04	2.21E-03	2.27E-04
1893	438496.8	3725035	2.07E-03	4.09E-04	2.20E-03	2.26E-04
1894	438503.4	3725048	2.06E-03	4.08E-04	2.19E-03	2.26E-04
1895	438510	3725061	2.05E-03	4.06E-04	2.18E-03	2.25E-04
1896	438516.7	3725074	2.04E-03	4.03E-04	2.17E-03	2.23E-04
1897	438523.3	3725087	2.03E-03	4.01E-04	2.16E-03	2.22E-04
1898	438529.9	3725100	2.02E-03	3.99E-04	2.15E-03	2.21E-04
1899	438536.5	3725113	2.01E-03	3.97E-04	2.14E-03	2.20E-04
1900	438543.2	3725126	2.00E-03	3.95E-04	2.12E-03	2.19E-04
1901	438549.8	3725139	1.99E-03	3.93E-04	2.11E-03	2.18E-04
1902	438556.4	3725152	1.98E-03	3.91E-04	2.10E-03	2.16E-04
1903	438563.1	3725165	1.96E-03	3.88E-04	2.09E-03	2.15E-04
1904	438569.7	3725178	1.95E-03	3.85E-04	2.07E-03	2.13E-04
1905	438576.3	3725191	1.92E-03	3.80E-04	2.04E-03	2.11E-04
1906	438582.9	3725205	1.90E-03	3.75E-04	2.02E-03	2.08E-04
1907	438589.6	3725218	1.87E-03	3.69E-04	1.99E-03	2.04E-04
1908	438596.2	3725231	1.84E-03	3.63E-04	1.95E-03	2.01E-04
1909	438602.8	3725244	1.81E-03	3.57E-04	1.92E-03	1.97E-04
1910	438609.4	3725257	1.77E-03	3.50E-04	1.88E-03	1.94E-04
1911	438616.1	3725270	1.74E-03	3.43E-04	1.84E-03	1.90E-04
1912	438622.7	3725283	1.70E-03	3.35E-04	1.80E-03	1.86E-04
1913	438629.3	3725296	1.66E-03	3.28E-04	1.77E-03	1.82E-04
1914	438635.9	3725309	1.63E-03	3.22E-04	1.73E-03	1.78E-04
1915	438642.6	3725322	1.60E-03	3.16E-04	1.70E-03	1.75E-04
1916	438649.2	3725335	1.57E-03	3.11E-04	1.67E-03	1.72E-04
1917	438650.2	3725349	1.57E-03	3.10E-04	1.67E-03	1.72E-04
1918	438645.7	3725362	1.59E-03	3.14E-04	1.69E-03	1.74E-04

1919	438641.2	3725376	1.61E-03	3.18E-04	1.71E-03	1.76E-04
1920	438636.7	3725390	1.64E-03	3.24E-04	1.74E-03	1.79E-04
1921	438632.2	3725404	1.67E-03	3.31E-04	1.78E-03	1.83E-04
1922	438627.7	3725418	1.71E-03	3.37E-04	1.81E-03	1.87E-04
1923	438623.2	3725432	1.73E-03	3.41E-04	1.83E-03	1.89E-04
1924	438618.7	3725446	1.75E-03	3.45E-04	1.85E-03	1.91E-04
1925	438587.1	3725543	1.86E-03	3.67E-04	1.98E-03	2.03E-04
1926	438582.6	3725557	1.87E-03	3.70E-04	1.99E-03	2.05E-04
1927	438578	3725571	1.89E-03	3.73E-04	2.01E-03	2.07E-04
1928	438438.1	3726003	2.14E-03	4.22E-04	2.27E-03	2.34E-04
1929	438529.8	3725018	1.88E-03	3.71E-04	2.00E-03	2.06E-04
1930	438536.4	3725031	1.87E-03	3.70E-04	1.99E-03	2.05E-04
1931	438543	3725044	1.86E-03	3.68E-04	1.98E-03	2.04E-04
1932	438549.7	3725057	1.85E-03	3.66E-04	1.97E-03	2.03E-04
1933	438556.3	3725070	1.84E-03	3.64E-04	1.96E-03	2.02E-04
1934	438562.9	3725084	1.84E-03	3.62E-04	1.95E-03	2.01E-04
1935	438569.6	3725097	1.83E-03	3.61E-04	1.94E-03	2.00E-04
1936	438576.2	3725110	1.82E-03	3.59E-04	1.93E-03	1.99E-04
1937	438582.9	3725123	1.81E-03	3.58E-04	1.92E-03	1.98E-04
1938	438589.5	3725136	1.81E-03	3.57E-04	1.92E-03	1.97E-04
1939	438596.1	3725149	1.80E-03	3.55E-04	1.91E-03	1.97E-04
1940	438602.8	3725162	1.79E-03	3.53E-04	1.90E-03	1.95E-04
1941	438609.4	3725175	1.78E-03	3.51E-04	1.89E-03	1.95E-04
1942	438616	3725188	1.76E-03	3.47E-04	1.87E-03	1.92E-04
1943	438622.7	3725201	1.74E-03	3.44E-04	1.85E-03	1.90E-04
1944	438629.3	3725214	1.72E-03	3.39E-04	1.82E-03	1.88E-04
1945	438636	3725227	1.69E-03	3.34E-04	1.79E-03	1.85E-04
1946	438642.6	3725240	1.66E-03	3.28E-04	1.77E-03	1.82E-04
1947	438649.2	3725253	1.63E-03	3.23E-04	1.74E-03	1.79E-04
1948	438655.9	3725267	1.60E-03	3.17E-04	1.70E-03	1.76E-04
1949	438662.5	3725280	1.57E-03	3.10E-04	1.67E-03	1.72E-04
1950	438669.2	3725293	1.54E-03	3.04E-04	1.64E-03	1.68E-04
1951	438675.8	3725306	1.51E-03	2.98E-04	1.61E-03	1.65E-04
1952	438682.4	3725319	1.48E-03	2.93E-04	1.58E-03	1.62E-04
1953	438689.1	3725332	1.46E-03	2.88E-04	1.55E-03	1.60E-04
1954	438690.1	3725345	1.45E-03	2.87E-04	1.54E-03	1.59E-04
1955	438685.6	3725359	1.46E-03	2.89E-04	1.56E-03	1.60E-04
1956	438681.1	3725373	1.49E-03	2.93E-04	1.58E-03	1.62E-04
1957	438676.6	3725387	1.51E-03	2.97E-04	1.60E-03	1.65E-04
1958	438672	3725401	1.53E-03	3.02E-04	1.62E-03	1.67E-04
1959	438667.5	3725415	1.55E-03	3.07E-04	1.65E-03	1.70E-04
1960	438663	3725429	1.58E-03	3.12E-04	1.68E-03	1.73E-04
1961	438658.5	3725443	1.61E-03	3.17E-04	1.71E-03	1.76E-04
1962	438654	3725457	1.62E-03	3.20E-04	1.72E-03	1.77E-04
1963	438649.4	3725471	1.64E-03	3.23E-04	1.74E-03	1.79E-04
1964	438644.9	3725485	1.65E-03	3.26E-04	1.75E-03	1.80E-04
1965	438613.3	3725582	1.75E-03	3.45E-04	1.86E-03	1.91E-04
1966	438504.8	3725917	2.01E-03	3.97E-04	2.14E-03	2.20E-04
1967	438500.2	3725931	2.02E-03	3.98E-04	2.14E-03	2.21E-04
1968	438495.7	3725945	2.02E-03	3.99E-04	2.14E-03	2.21E-04
1969	438491.2	3725959	2.02E-03	3.99E-04	2.14E-03	2.21E-04
1970	438486.7	3725973	2.02E-03	3.98E-04	2.14E-03	2.21E-04

1971	438482.2	3725987	2.01E-03	3.98E-04	2.14E-03	2.20E-04
1972	438477.6	3726001	2.01E-03	3.96E-04	2.13E-03	2.19E-04
1973	438473.1	3726015	2.00E-03	3.94E-04	2.12E-03	2.18E-04
1974	438468.6	3726029	1.99E-03	3.93E-04	2.11E-03	2.18E-04
1975	438576	3725028	1.70E-03	3.35E-04	1.80E-03	1.86E-04
1976	438582.7	3725041	1.69E-03	3.33E-04	1.79E-03	1.85E-04
1977	438589.3	3725054	1.68E-03	3.31E-04	1.78E-03	1.83E-04
1978	438596	3725067	1.67E-03	3.30E-04	1.77E-03	1.83E-04
1979	438602.6	3725080	1.67E-03	3.29E-04	1.77E-03	1.82E-04
1980	438609.3	3725093	1.66E-03	3.29E-04	1.77E-03	1.82E-04
1981	438615.9	3725106	1.66E-03	3.27E-04	1.76E-03	1.81E-04
1982	438622.6	3725119	1.65E-03	3.26E-04	1.75E-03	1.81E-04
1983	438629.2	3725132	1.64E-03	3.24E-04	1.74E-03	1.80E-04
1984	438635.9	3725145	1.63E-03	3.22E-04	1.73E-03	1.79E-04
1985	438642.5	3725159	1.62E-03	3.20E-04	1.72E-03	1.77E-04
1986	438649.2	3725172	1.61E-03	3.18E-04	1.71E-03	1.76E-04
1987	438655.8	3725185	1.60E-03	3.15E-04	1.70E-03	1.75E-04
1988	438662.5	3725198	1.59E-03	3.14E-04	1.69E-03	1.74E-04
1989	438669.1	3725211	1.58E-03	3.11E-04	1.67E-03	1.72E-04
1990	438675.7	3725224	1.55E-03	3.07E-04	1.65E-03	1.70E-04
1991	438682.4	3725237	1.53E-03	3.02E-04	1.63E-03	1.67E-04
1992	438689	3725250	1.51E-03	2.97E-04	1.60E-03	1.65E-04
1993	438695.7	3725263	1.48E-03	2.93E-04	1.58E-03	1.62E-04
1994	438702.3	3725276	1.46E-03	2.88E-04	1.55E-03	1.60E-04
1995	438709	3725289	1.43E-03	2.83E-04	1.52E-03	1.57E-04
1996	438715.6	3725303	1.41E-03	2.78E-04	1.50E-03	1.54E-04
1997	438722.3	3725316	1.39E-03	2.74E-04	1.47E-03	1.52E-04
1998	438728.9	3725329	1.37E-03	2.70E-04	1.45E-03	1.50E-04
1999	438730	3725342	1.36E-03	2.69E-04	1.44E-03	1.49E-04
2000	438725.5	3725356	1.37E-03	2.70E-04	1.45E-03	1.49E-04
2001	438720.9	3725370	1.38E-03	2.73E-04	1.47E-03	1.51E-04
2002	438716.4	3725384	1.40E-03	2.76E-04	1.48E-03	1.53E-04
2003	438711.9	3725398	1.41E-03	2.79E-04	1.50E-03	1.55E-04
2004	438707.4	3725412	1.43E-03	2.83E-04	1.52E-03	1.57E-04
2005	438702.8	3725426	1.45E-03	2.87E-04	1.54E-03	1.59E-04
2006	438698.3	3725440	1.48E-03	2.91E-04	1.57E-03	1.61E-04
2007	438693.8	3725454	1.49E-03	2.95E-04	1.59E-03	1.64E-04
2008	438689.2	3725468	1.51E-03	2.98E-04	1.60E-03	1.65E-04
2009	438684.7	3725482	1.52E-03	3.01E-04	1.62E-03	1.67E-04
2010	438680.2	3725496	1.54E-03	3.03E-04	1.63E-03	1.68E-04
2011	438675.7	3725510	1.55E-03	3.06E-04	1.64E-03	1.69E-04
2012	438671.1	3725524	1.56E-03	3.08E-04	1.66E-03	1.71E-04
2013	438666.6	3725538	1.57E-03	3.10E-04	1.67E-03	1.72E-04
2014	438594.2	3725761	1.75E-03	3.46E-04	1.86E-03	1.92E-04
2015	438589.6	3725775	1.76E-03	3.49E-04	1.87E-03	1.93E-04
2016	438557.9	3725873	1.84E-03	3.63E-04	1.95E-03	2.01E-04
2017	438553.4	3725887	1.85E-03	3.65E-04	1.96E-03	2.02E-04
2018	438548.9	3725901	1.85E-03	3.66E-04	1.97E-03	2.03E-04
2019	438544.3	3725915	1.86E-03	3.68E-04	1.98E-03	2.04E-04
2020	438539.8	3725929	1.87E-03	3.69E-04	1.99E-03	2.05E-04
2021	438535.3	3725943	1.88E-03	3.71E-04	1.99E-03	2.05E-04
2022	438530.8	3725957	1.88E-03	3.71E-04	2.00E-03	2.06E-04

2023	438526.2	3725971	1.88E-03	3.72E-04	2.00E-03	2.06E-04
2024	438521.7	3725985	1.89E-03	3.73E-04	2.00E-03	2.06E-04
2025	438517.2	3725999	1.88E-03	3.72E-04	2.00E-03	2.06E-04
2026	438512.6	3726013	1.88E-03	3.71E-04	1.99E-03	2.05E-04
2027	438476.5	3725934	2.11E-03	4.16E-04	2.24E-03	2.30E-04
2028	438497.2	3725973	1.98E-03	3.91E-04	2.10E-03	2.17E-04
2029	438502.7	3725966	1.97E-03	3.89E-04	2.09E-03	2.15E-04
2030	438508.3	3725959	1.96E-03	3.86E-04	2.08E-03	2.14E-04
2031	438529	3725998	1.85E-03	3.65E-04	1.96E-03	2.02E-04
2032	438534.5	3725990	1.84E-03	3.63E-04	1.95E-03	2.01E-04
2033	438540	3725983	1.83E-03	3.61E-04	1.94E-03	2.00E-04
2034	438532.4	3725523	2.12E-03	4.19E-04	2.25E-03	2.32E-04
2035	438566.5	3725547	1.95E-03	3.85E-04	2.07E-03	2.13E-04
2036	438571.6	3725531	1.93E-03	3.81E-04	2.05E-03	2.11E-04
2037	438598.9	3725570	1.81E-03	3.57E-04	1.92E-03	1.97E-04
2038	438592	3725585	1.83E-03	3.61E-04	1.94E-03	2.00E-04
2039	438684.2	3725571	1.51E-03	2.98E-04	1.60E-03	1.65E-04
2040	438539.3	3725890	1.90E-03	3.75E-04	2.02E-03	2.08E-04
2041	438532.4	3725906	1.91E-03	3.78E-04	2.03E-03	2.09E-04
2042	438525.5	3725921	1.93E-03	3.81E-04	2.05E-03	2.11E-04
2043	438518.6	3725936	1.94E-03	3.84E-04	2.06E-03	2.13E-04
2044	438689.3	3725555	1.50E-03	2.96E-04	1.59E-03	1.64E-04
2045	438723.4	3725578	1.39E-03	2.75E-04	1.48E-03	1.52E-04
2046	438716.5	3725594	1.41E-03	2.78E-04	1.50E-03	1.54E-04
2047	438709.6	3725609	1.43E-03	2.82E-04	1.51E-03	1.56E-04
2048	438702.6	3725624	1.44E-03	2.85E-04	1.53E-03	1.58E-04
2049	438661.1	3725716	1.55E-03	3.06E-04	1.65E-03	1.70E-04
2050	438640.4	3725762	1.60E-03	3.16E-04	1.70E-03	1.75E-04
2051	438633.4	3725777	1.61E-03	3.19E-04	1.72E-03	1.77E-04
2052	438626.5	3725792	1.63E-03	3.22E-04	1.73E-03	1.79E-04
2053	438619.6	3725808	1.65E-03	3.26E-04	1.75E-03	1.80E-04
2054	438612.7	3725823	1.67E-03	3.29E-04	1.77E-03	1.82E-04
2055	438605.8	3725838	1.68E-03	3.32E-04	1.79E-03	1.84E-04
2056	438598.8	3725853	1.70E-03	3.36E-04	1.81E-03	1.86E-04
2057	438591.9	3725869	1.72E-03	3.39E-04	1.82E-03	1.88E-04
2058	438585	3725884	1.74E-03	3.43E-04	1.85E-03	1.90E-04
2059	438578.1	3725899	1.76E-03	3.47E-04	1.86E-03	1.92E-04
2060	438571.2	3725914	1.77E-03	3.50E-04	1.88E-03	1.94E-04
2061	438564.2	3725930	1.79E-03	3.53E-04	1.90E-03	1.95E-04
2062	438557.3	3725945	1.80E-03	3.55E-04	1.91E-03	1.97E-04
2063	438550.4	3725960	1.81E-03	3.58E-04	1.92E-03	1.98E-04
2064	438728.5	3725563	1.38E-03	2.73E-04	1.47E-03	1.51E-04
2065	438498.3	3725488	2.32E-03	4.59E-04	2.47E-03	2.54E-04
2066	438502.3	3725464	2.31E-03	4.56E-04	2.45E-03	2.53E-04
2067	438537.7	3725495	2.10E-03	4.15E-04	2.23E-03	2.30E-04
2068	438535.3	3725508	2.11E-03	4.17E-04	2.24E-03	2.31E-04
2069	438540.4	3725479	2.09E-03	4.13E-04	2.22E-03	2.29E-04
2070	438658.8	3725499	1.60E-03	3.17E-04	1.70E-03	1.75E-04
2071	438661.6	3725482	1.60E-03	3.15E-04	1.69E-03	1.75E-04
2072	438695.4	3725522	1.49E-03	2.93E-04	1.58E-03	1.62E-04
2073	438692.4	3725538	1.49E-03	2.94E-04	1.58E-03	1.63E-04
2074	438698.3	3725505	1.48E-03	2.92E-04	1.57E-03	1.62E-04

2075	438701	3725488	1.48E-03	2.91E-04	1.57E-03	1.61E-04
2076	438735.1	3725527	1.37E-03	2.71E-04	1.46E-03	1.50E-04
2077	438732.6	3725541	1.38E-03	2.72E-04	1.46E-03	1.51E-04
2078	438737.7	3725512	1.37E-03	2.71E-04	1.46E-03	1.50E-04
2079	438740.5	3725495	1.37E-03	2.70E-04	1.45E-03	1.49E-04
2080	437801.1	3725247	1.11E-01	2.19E-02	1.18E-01	1.21E-02
2081	437796.7	3725239	1.08E-01	2.14E-02	1.15E-01	1.18E-02
2082	437815	3725258	9.95E-02	1.96E-02	1.06E-01	1.09E-02
2083	437809.9	3725243	9.41E-02	1.86E-02	9.99E-02	1.03E-02
2084	437805.5	3725234	9.19E-02	1.82E-02	9.76E-02	1.01E-02
2085	437824	3725255	8.61E-02	1.70E-02	9.14E-02	9.42E-03
2086	437823.1	3725246	8.19E-02	1.62E-02	8.70E-02	8.96E-03
2087	437818.7	3725238	8.11E-02	1.60E-02	8.61E-02	8.87E-03
2088	437814.4	3725230	7.94E-02	1.57E-02	8.43E-02	8.68E-03
2089	437810	3725222	7.70E-02	1.52E-02	8.18E-02	8.42E-03
2090	437832.8	3725250	7.49E-02	1.48E-02	7.96E-02	8.20E-03
2091	437827.6	3725233	7.06E-02	1.39E-02	7.50E-02	7.72E-03
2092	437823.2	3725225	6.92E-02	1.37E-02	7.35E-02	7.57E-03
2093	437818.9	3725217	6.72E-02	1.33E-02	7.14E-02	7.35E-03
2094	437836.4	3725229	6.25E-02	1.23E-02	6.63E-02	6.83E-03
2095	437832	3725220	6.10E-02	1.21E-02	6.48E-02	6.67E-03
2096	437827.7	3725212	5.92E-02	1.17E-02	6.29E-02	6.47E-03
2097	437823.4	3725204	5.71E-02	1.13E-02	6.06E-02	6.24E-03
2098	437845.2	3725224	5.58E-02	1.10E-02	5.92E-02	6.10E-03
2099	437840.9	3725216	5.46E-02	1.08E-02	5.80E-02	5.97E-03
2100	437836.5	3725208	5.29E-02	1.05E-02	5.62E-02	5.79E-03
2101	437832.2	3725199	5.09E-02	1.00E-02	5.40E-02	5.57E-03
2102	437854.1	3725219	5.01E-02	9.90E-03	5.32E-02	5.48E-03
2103	437849.7	3725211	4.91E-02	9.70E-03	5.21E-02	5.37E-03
2104	437845.4	3725203	4.77E-02	9.43E-03	5.07E-02	5.22E-03
2105	437841	3725195	4.61E-02	9.10E-03	4.89E-02	5.04E-03
2106	437933.7	3725156	2.12E-02	4.18E-03	2.25E-02	2.31E-03
2107	437929.3	3725148	2.07E-02	4.09E-03	2.20E-02	2.27E-03
2108	437951.4	3725147	1.83E-02	3.62E-03	1.94E-02	2.00E-03
2109	438061.6	3725120	9.79E-03	1.93E-03	1.04E-02	1.07E-03
2110	438048.5	3725095	9.41E-03	1.86E-03	9.99E-03	1.03E-03
2111	438088.1	3725105	8.35E-03	1.65E-03	8.87E-03	9.14E-04
2112	438083.7	3725097	8.27E-03	1.63E-03	8.78E-03	9.04E-04
2113	438079.4	3725089	8.16E-03	1.61E-03	8.67E-03	8.92E-04
2114	438075	3725081	8.04E-03	1.59E-03	8.54E-03	8.79E-04
2115	438070.7	3725073	7.91E-03	1.56E-03	8.41E-03	8.66E-04
2116	438122.2	3725164	8.49E-03	1.68E-03	9.02E-03	9.29E-04
2117	438123.2	3725173	8.62E-03	1.70E-03	9.15E-03	9.43E-04
2118	438114.6	3725091	7.21E-03	1.42E-03	7.66E-03	7.89E-04
2119	438110.2	3725083	7.14E-03	1.41E-03	7.58E-03	7.81E-04
2120	438105.9	3725075	7.05E-03	1.39E-03	7.49E-03	7.71E-04
2121	438101.5	3725067	6.95E-03	1.37E-03	7.38E-03	7.60E-04
2122	438097.2	3725059	6.84E-03	1.35E-03	7.26E-03	7.48E-04
2123	438147.8	3725142	7.21E-03	1.42E-03	7.66E-03	7.89E-04
2124	438148.8	3725151	7.32E-03	1.45E-03	7.78E-03	8.01E-04
2125	438149.8	3725160	7.44E-03	1.47E-03	7.90E-03	8.14E-04
2126	438150.7	3725169	7.55E-03	1.49E-03	8.02E-03	8.25E-04

2127	438176.1	3725145	6.48E-03	1.28E-03	6.88E-03	7.09E-04
2128	438177.1	3725154	6.56E-03	1.30E-03	6.97E-03	7.18E-04
2129	438178	3725163	6.64E-03	1.31E-03	7.05E-03	7.26E-04
2130	438179	3725172	6.71E-03	1.33E-03	7.13E-03	7.34E-04
2131	438183.8	3725217	6.94E-03	1.37E-03	7.37E-03	7.60E-04
2132	438184.7	3725226	6.97E-03	1.38E-03	7.40E-03	7.62E-04
2133	438221.5	3725044	4.43E-03	8.76E-04	4.71E-03	4.85E-04
2134	438220.6	3725035	4.35E-03	8.59E-04	4.62E-03	4.76E-04
2135	438216.2	3725027	4.31E-03	8.51E-04	4.58E-03	4.72E-04
2136	438211.9	3725019	4.26E-03	8.41E-04	4.52E-03	4.66E-04
2137	438207.5	3725011	4.20E-03	8.30E-04	4.47E-03	4.60E-04
2138	438203.2	3725002	4.15E-03	8.19E-04	4.40E-03	4.53E-04
2139	438250.9	3725058	4.18E-03	8.26E-04	4.44E-03	4.57E-04
2140	438251.9	3725067	4.26E-03	8.42E-04	4.53E-03	4.66E-04
2141	438252.8	3725076	4.34E-03	8.58E-04	4.61E-03	4.75E-04
2142	438266.3	3725203	4.86E-03	9.61E-04	5.17E-03	5.32E-04
2143	438267.2	3725213	4.87E-03	9.62E-04	5.17E-03	5.33E-04
2144	438273	3725267	4.89E-03	9.67E-04	5.20E-03	5.35E-04
2145	438274	3725276	4.90E-03	9.67E-04	5.20E-03	5.36E-04
2146	438275.5	3725025	3.58E-03	7.07E-04	3.80E-03	3.91E-04
2147	438276.5	3725035	3.66E-03	7.23E-04	3.89E-03	4.00E-04
2148	438277.4	3725044	3.74E-03	7.39E-04	3.97E-03	4.09E-04
2149	438278.4	3725053	3.82E-03	7.55E-04	4.06E-03	4.18E-04
2150	438297.8	3725237	4.34E-03	8.57E-04	4.61E-03	4.75E-04
2151	438298.8	3725246	4.34E-03	8.58E-04	4.61E-03	4.75E-04
2152	438299.8	3725256	4.35E-03	8.59E-04	4.62E-03	4.76E-04
2153	438300.7	3725265	4.35E-03	8.59E-04	4.62E-03	4.76E-04
2154	438301.7	3725274	4.36E-03	8.61E-04	4.63E-03	4.77E-04
2155	438302	3725011	3.19E-03	6.30E-04	3.39E-03	3.49E-04
2156	438302.9	3725020	3.27E-03	6.45E-04	3.47E-03	3.57E-04
2157	438303.9	3725029	3.34E-03	6.60E-04	3.55E-03	3.66E-04
2158	438304.9	3725038	3.41E-03	6.74E-04	3.62E-03	3.73E-04
2159	438310.6	3725093	3.74E-03	7.38E-04	3.97E-03	4.09E-04
2160	438311.6	3725102	3.77E-03	7.45E-04	4.01E-03	4.13E-04
2161	438312.5	3725111	3.81E-03	7.52E-04	4.04E-03	4.16E-04
2162	438313.5	3725120	3.83E-03	7.57E-04	4.07E-03	4.20E-04
2163	438314.4	3725129	3.86E-03	7.62E-04	4.10E-03	4.22E-04
2164	438315.4	3725139	3.88E-03	7.66E-04	4.12E-03	4.24E-04
2165	438326.9	3725248	3.90E-03	7.70E-04	4.14E-03	4.27E-04
2166	438347.9	3725093	3.33E-03	6.58E-04	3.54E-03	3.64E-04
2167	438348.9	3725102	3.36E-03	6.63E-04	3.56E-03	3.67E-04
2168	438349.9	3725111	3.38E-03	6.67E-04	3.59E-03	3.69E-04
2169	438350.8	3725121	3.40E-03	6.71E-04	3.61E-03	3.72E-04
2170	438351.8	3725130	3.41E-03	6.74E-04	3.63E-03	3.73E-04
2171	438352.7	3725139	3.43E-03	6.77E-04	3.64E-03	3.75E-04
2172	438371.1	3725313	3.41E-03	6.73E-04	3.62E-03	3.73E-04
2173	438372	3725322	3.42E-03	6.76E-04	3.64E-03	3.74E-04
2174	438373	3725331	3.43E-03	6.78E-04	3.65E-03	3.76E-04
2175	438374	3725340	3.44E-03	6.80E-04	3.66E-03	3.77E-04
2176	438375.9	3725358	3.45E-03	6.82E-04	3.67E-03	3.78E-04
2177	438383.3	3725075	2.93E-03	5.78E-04	3.11E-03	3.20E-04
2178	438384.3	3725084	2.95E-03	5.83E-04	3.14E-03	3.23E-04

2179	438385.3	3725093	2.98E-03	5.88E-04	3.16E-03	3.26E-04
2180	438386.2	3725102	3.00E-03	5.92E-04	3.18E-03	3.28E-04
2181	438387.2	3725112	3.02E-03	5.96E-04	3.20E-03	3.30E-04
2182	438388.2	3725121	3.03E-03	5.99E-04	3.22E-03	3.32E-04
2183	438389.1	3725130	3.05E-03	6.02E-04	3.24E-03	3.33E-04
2184	438394.9	3725185	3.07E-03	6.07E-04	3.26E-03	3.36E-04
2185	438395.9	3725194	3.07E-03	6.06E-04	3.26E-03	3.36E-04
2186	438396.9	3725204	3.07E-03	6.05E-04	3.26E-03	3.35E-04
2187	438397.8	3725213	3.05E-03	6.03E-04	3.24E-03	3.34E-04
2188	438409.5	3725323	3.04E-03	6.01E-04	3.23E-03	3.33E-04
2189	438410.4	3725332	3.05E-03	6.02E-04	3.24E-03	3.33E-04
2190	438415.3	3725378	3.03E-03	5.98E-04	3.21E-03	3.31E-04
2191	438416.2	3725387	3.02E-03	5.96E-04	3.20E-03	3.30E-04
2192	438417.2	3725396	3.00E-03	5.93E-04	3.19E-03	3.28E-04
2193	438418.2	3725406	2.99E-03	5.90E-04	3.17E-03	3.27E-04
2194	438420.4	3725073	2.64E-03	5.21E-04	2.80E-03	2.89E-04
2195	438421.4	3725082	2.66E-03	5.25E-04	2.82E-03	2.91E-04
2196	438422.3	3725091	2.68E-03	5.29E-04	2.84E-03	2.93E-04
2197	438423.3	3725100	2.69E-03	5.32E-04	2.86E-03	2.95E-04
2198	438424.2	3725109	2.71E-03	5.35E-04	2.88E-03	2.96E-04
2199	438425.2	3725118	2.72E-03	5.38E-04	2.89E-03	2.98E-04
2200	438430	3725163	2.75E-03	5.44E-04	2.93E-03	3.01E-04
2201	438430.9	3725172	2.76E-03	5.44E-04	2.93E-03	3.02E-04
2202	438431.9	3725182	2.76E-03	5.44E-04	2.93E-03	3.02E-04
2203	438432.8	3725191	2.75E-03	5.44E-04	2.92E-03	3.01E-04
2204	438433.8	3725200	2.75E-03	5.43E-04	2.92E-03	3.01E-04
2205	438434.7	3725209	2.74E-03	5.42E-04	2.91E-03	3.00E-04
2206	438435.7	3725218	2.74E-03	5.41E-04	2.91E-03	3.00E-04
2207	438436.6	3725227	2.73E-03	5.39E-04	2.90E-03	2.99E-04
2208	438453.9	3725390	2.69E-03	5.31E-04	2.86E-03	2.94E-04
2209	438454.8	3725399	2.68E-03	5.29E-04	2.84E-03	2.93E-04
2210	438455.8	3725408	2.67E-03	5.27E-04	2.83E-03	2.92E-04
2211	438456.7	3725417	2.65E-03	5.24E-04	2.82E-03	2.90E-04
2212	438457.7	3725426	2.64E-03	5.21E-04	2.80E-03	2.89E-04
2213	438458.6	3725435	2.62E-03	5.18E-04	2.79E-03	2.87E-04
2214	438455.8	3725055	2.36E-03	4.66E-04	2.50E-03	2.58E-04
2215	438456.8	3725064	2.37E-03	4.69E-04	2.52E-03	2.60E-04
2216	438457.7	3725073	2.39E-03	4.72E-04	2.54E-03	2.62E-04
2217	438458.7	3725082	2.41E-03	4.75E-04	2.55E-03	2.63E-04
2218	438459.6	3725091	2.42E-03	4.78E-04	2.57E-03	2.65E-04
2219	438460.6	3725100	2.43E-03	4.80E-04	2.58E-03	2.66E-04
2220	438461.6	3725109	2.44E-03	4.82E-04	2.59E-03	2.67E-04
2221	438467.3	3725164	2.49E-03	4.91E-04	2.64E-03	2.72E-04
2222	438468.3	3725173	2.49E-03	4.91E-04	2.64E-03	2.72E-04
2223	438469.2	3725182	2.49E-03	4.91E-04	2.64E-03	2.72E-04
2224	438470.2	3725191	2.49E-03	4.91E-04	2.64E-03	2.72E-04
2225	438471.2	3725200	2.49E-03	4.91E-04	2.64E-03	2.72E-04
2226	438472.1	3725209	2.48E-03	4.90E-04	2.64E-03	2.72E-04
2227	438476.9	3725255	2.41E-03	4.77E-04	2.56E-03	2.64E-04
2228	438477.9	3725264	2.40E-03	4.73E-04	2.55E-03	2.62E-04
2229	438478.8	3725273	2.39E-03	4.73E-04	2.54E-03	2.62E-04
2230	438479.8	3725282	2.39E-03	4.72E-04	2.54E-03	2.62E-04

2231	438480.8	3725291	2.39E-03	4.72E-04	2.54E-03	2.61E-04
2232	438493.2	3725410	2.39E-03	4.72E-04	2.54E-03	2.62E-04
2233	438494.2	3725419	2.38E-03	4.70E-04	2.53E-03	2.60E-04
2234	438495.2	3725428	2.37E-03	4.68E-04	2.52E-03	2.59E-04
2235	438492.1	3725046	2.12E-03	4.18E-04	2.25E-03	2.32E-04
2236	438493.1	3725055	2.13E-03	4.21E-04	2.26E-03	2.33E-04
2237	438494.1	3725064	2.15E-03	4.24E-04	2.28E-03	2.35E-04
2238	438495	3725073	2.16E-03	4.27E-04	2.29E-03	2.36E-04
2239	438496	3725082	2.17E-03	4.29E-04	2.31E-03	2.38E-04
2240	438497	3725091	2.18E-03	4.31E-04	2.32E-03	2.39E-04
2241	438497.9	3725100	2.19E-03	4.33E-04	2.33E-03	2.40E-04
2242	438502.8	3725146	2.25E-03	4.44E-04	2.39E-03	2.46E-04
2243	438503.7	3725155	2.25E-03	4.45E-04	2.39E-03	2.46E-04
2244	438504.7	3725164	2.25E-03	4.45E-04	2.39E-03	2.47E-04
2245	438505.6	3725174	2.26E-03	4.45E-04	2.40E-03	2.47E-04
2246	438506.6	3725183	2.26E-03	4.46E-04	2.40E-03	2.47E-04
2247	438507.6	3725192	2.27E-03	4.48E-04	2.41E-03	2.48E-04
2248	438508.5	3725201	2.27E-03	4.49E-04	2.41E-03	2.48E-04
2249	438514.3	3725256	2.20E-03	4.34E-04	2.33E-03	2.40E-04
2250	438515.3	3725265	2.19E-03	4.32E-04	2.32E-03	2.39E-04
2251	438516.3	3725274	2.18E-03	4.30E-04	2.31E-03	2.38E-04
2252	438517.2	3725283	2.17E-03	4.29E-04	2.31E-03	2.38E-04
2253	438518.2	3725292	2.16E-03	4.27E-04	2.30E-03	2.37E-04
2254	438519.1	3725302	2.16E-03	4.26E-04	2.29E-03	2.36E-04
2255	438527.5	3725027	1.91E-03	3.77E-04	2.02E-03	2.09E-04
2256	438528.5	3725037	1.92E-03	3.79E-04	2.04E-03	2.10E-04
2257	438529.5	3725046	1.93E-03	3.81E-04	2.05E-03	2.11E-04
2258	438530.4	3725055	1.94E-03	3.83E-04	2.06E-03	2.12E-04
2259	438531.4	3725064	1.95E-03	3.85E-04	2.07E-03	2.13E-04
2260	438532.4	3725073	1.96E-03	3.87E-04	2.08E-03	2.15E-04
2261	438533.3	3725082	1.97E-03	3.89E-04	2.09E-03	2.16E-04
2262	438534.3	3725092	1.98E-03	3.91E-04	2.11E-03	2.17E-04
2263	438539.2	3725137	2.04E-03	4.02E-04	2.16E-03	2.23E-04
2264	438540.1	3725147	2.05E-03	4.04E-04	2.17E-03	2.24E-04
2265	438541.1	3725156	2.05E-03	4.06E-04	2.18E-03	2.25E-04
2266	438542.1	3725165	2.06E-03	4.07E-04	2.19E-03	2.25E-04
2267	438543	3725174	2.07E-03	4.08E-04	2.19E-03	2.26E-04
2268	438544	3725183	2.07E-03	4.08E-04	2.20E-03	2.26E-04
2269	438545	3725193	2.07E-03	4.08E-04	2.20E-03	2.26E-04
2270	438549.8	3725238	2.04E-03	4.04E-04	2.17E-03	2.24E-04
2271	438550.8	3725248	2.03E-03	4.01E-04	2.16E-03	2.22E-04
2272	438551.7	3725257	2.02E-03	3.99E-04	2.15E-03	2.21E-04
2273	438552.7	3725266	2.01E-03	3.96E-04	2.13E-03	2.19E-04
2274	438553.7	3725275	1.99E-03	3.93E-04	2.11E-03	2.18E-04
2275	438554.6	3725284	1.97E-03	3.90E-04	2.10E-03	2.16E-04
2276	438555.6	3725294	1.96E-03	3.87E-04	2.08E-03	2.14E-04
2277	438561.4	3725349	1.96E-03	3.86E-04	2.08E-03	2.14E-04
2278	438564.9	3725028	1.74E-03	3.44E-04	1.85E-03	1.91E-04
2279	438565.8	3725037	1.75E-03	3.46E-04	1.86E-03	1.92E-04
2280	438566.8	3725046	1.76E-03	3.48E-04	1.87E-03	1.93E-04
2281	438567.8	3725055	1.77E-03	3.49E-04	1.88E-03	1.94E-04
2282	438568.7	3725064	1.78E-03	3.51E-04	1.89E-03	1.95E-04

2283	438569.7	3725074	1.79E-03	3.54E-04	1.90E-03	1.96E-04
2284	438575.5	3725129	1.85E-03	3.66E-04	1.97E-03	2.03E-04
2285	438576.5	3725138	1.87E-03	3.68E-04	1.98E-03	2.04E-04
2286	438577.5	3725147	1.88E-03	3.71E-04	1.99E-03	2.05E-04
2287	438578.5	3725156	1.89E-03	3.72E-04	2.00E-03	2.06E-04
2288	438579.4	3725166	1.89E-03	3.74E-04	2.01E-03	2.07E-04
2289	438580.4	3725175	1.90E-03	3.75E-04	2.02E-03	2.08E-04
2290	438581.4	3725184	1.90E-03	3.75E-04	2.02E-03	2.08E-04
2291	438586.2	3725230	1.88E-03	3.71E-04	2.00E-03	2.06E-04
2292	438587.2	3725239	1.87E-03	3.70E-04	1.99E-03	2.05E-04
2293	438588.2	3725249	1.86E-03	3.67E-04	1.98E-03	2.04E-04
2294	438589.1	3725258	1.85E-03	3.65E-04	1.96E-03	2.02E-04
2295	438590.1	3725267	1.84E-03	3.63E-04	1.95E-03	2.01E-04
2296	438591.1	3725276	1.82E-03	3.60E-04	1.94E-03	2.00E-04
2297	438592.1	3725285	1.81E-03	3.57E-04	1.92E-03	1.98E-04
2298	438596.9	3725331	1.77E-03	3.50E-04	1.88E-03	1.94E-04
2299	438597.9	3725341	1.77E-03	3.50E-04	1.88E-03	1.94E-04
2300	438598.8	3725350	1.77E-03	3.50E-04	1.88E-03	1.94E-04
2301	438599.8	3725359	1.77E-03	3.50E-04	1.88E-03	1.94E-04
2302	438604.7	3725405	1.79E-03	3.54E-04	1.90E-03	1.96E-04
2303	438605.6	3725414	1.80E-03	3.55E-04	1.91E-03	1.97E-04
2304	438606.6	3725424	1.79E-03	3.54E-04	1.91E-03	1.96E-04
2305	438607.6	3725433	1.79E-03	3.53E-04	1.90E-03	1.96E-04
2306	438608.6	3725442	1.78E-03	3.52E-04	1.90E-03	1.95E-04
2307	438604.8	3725053	1.61E-03	3.18E-04	1.71E-03	1.76E-04
2308	438605.8	3725062	1.62E-03	3.20E-04	1.72E-03	1.77E-04
2309	438606.7	3725071	1.63E-03	3.23E-04	1.74E-03	1.79E-04
2310	438611.5	3725116	1.69E-03	3.33E-04	1.79E-03	1.85E-04
2311	438612.5	3725126	1.70E-03	3.35E-04	1.80E-03	1.86E-04
2312	438613.5	3725135	1.70E-03	3.37E-04	1.81E-03	1.87E-04
2313	438614.4	3725144	1.71E-03	3.38E-04	1.82E-03	1.87E-04
2314	438615.4	3725153	1.72E-03	3.40E-04	1.83E-03	1.88E-04
2315	438616.4	3725162	1.73E-03	3.42E-04	1.84E-03	1.89E-04
2316	438623.1	3725226	1.74E-03	3.43E-04	1.84E-03	1.90E-04
2317	438624	3725235	1.73E-03	3.42E-04	1.84E-03	1.89E-04
2318	438625	3725244	1.72E-03	3.40E-04	1.83E-03	1.88E-04
2319	438626	3725253	1.71E-03	3.38E-04	1.82E-03	1.87E-04
2320	438626.9	3725262	1.70E-03	3.37E-04	1.81E-03	1.86E-04
2321	438627.9	3725271	1.69E-03	3.34E-04	1.80E-03	1.85E-04
2322	438633.6	3725326	1.62E-03	3.21E-04	1.73E-03	1.78E-04
2323	438634.6	3725335	1.62E-03	3.20E-04	1.72E-03	1.77E-04
2324	438635.6	3725344	1.62E-03	3.20E-04	1.72E-03	1.77E-04
2325	438636.5	3725353	1.62E-03	3.19E-04	1.72E-03	1.77E-04
2326	438641.3	3725399	1.63E-03	3.22E-04	1.73E-03	1.78E-04
2327	438642.3	3725408	1.64E-03	3.24E-04	1.74E-03	1.79E-04
2328	438643.3	3725417	1.64E-03	3.25E-04	1.75E-03	1.80E-04
2329	438644.2	3725426	1.65E-03	3.25E-04	1.75E-03	1.80E-04
2330	438645.2	3725435	1.65E-03	3.25E-04	1.75E-03	1.80E-04
2331	438646.1	3725445	1.65E-03	3.25E-04	1.75E-03	1.80E-04
2332	438646	3725089	1.53E-03	3.02E-04	1.63E-03	1.68E-04
2333	438647	3725099	1.54E-03	3.04E-04	1.64E-03	1.68E-04
2334	438647.9	3725108	1.55E-03	3.06E-04	1.65E-03	1.69E-04

2335	438648.9	3725117	1.56E-03	3.07E-04	1.65E-03	1.70E-04
2336	438649.9	3725126	1.56E-03	3.09E-04	1.66E-03	1.71E-04
2337	438650.8	3725135	1.57E-03	3.09E-04	1.66E-03	1.71E-04
2338	438651.8	3725144	1.57E-03	3.10E-04	1.67E-03	1.72E-04
2339	438652.8	3725153	1.58E-03	3.11E-04	1.68E-03	1.73E-04
2340	438653.7	3725163	1.58E-03	3.12E-04	1.68E-03	1.73E-04
2341	438658.5	3725208	1.61E-03	3.18E-04	1.71E-03	1.76E-04
2342	438659.5	3725217	1.61E-03	3.18E-04	1.71E-03	1.76E-04
2343	438660.5	3725227	1.61E-03	3.17E-04	1.71E-03	1.76E-04
2344	438661.4	3725236	1.60E-03	3.16E-04	1.70E-03	1.75E-04
2345	438662.4	3725245	1.59E-03	3.15E-04	1.69E-03	1.74E-04
2346	438663.4	3725254	1.59E-03	3.13E-04	1.69E-03	1.74E-04
2347	438664.3	3725263	1.58E-03	3.12E-04	1.68E-03	1.73E-04
2348	438670.1	3725318	1.52E-03	3.00E-04	1.61E-03	1.66E-04
2349	438671.1	3725327	1.51E-03	2.98E-04	1.60E-03	1.65E-04
2350	438672	3725336	1.51E-03	2.97E-04	1.60E-03	1.65E-04
2351	438673	3725345	1.50E-03	2.96E-04	1.59E-03	1.64E-04
2352	438674	3725355	1.50E-03	2.96E-04	1.59E-03	1.64E-04
2353	438674.9	3725364	1.50E-03	2.96E-04	1.59E-03	1.64E-04
2354	438679.8	3725410	1.51E-03	2.99E-04	1.61E-03	1.65E-04
2355	438680.7	3725419	1.51E-03	2.99E-04	1.61E-03	1.66E-04
2356	438681.7	3725428	1.52E-03	3.00E-04	1.61E-03	1.66E-04
2357	438682.7	3725437	1.52E-03	3.01E-04	1.62E-03	1.67E-04
2358	438683.6	3725446	1.53E-03	3.01E-04	1.62E-03	1.67E-04
2359	438684.6	3725455	1.52E-03	3.01E-04	1.62E-03	1.67E-04
2360	438688.4	3725492	1.51E-03	2.99E-04	1.61E-03	1.65E-04
2361	438689.4	3725501	1.51E-03	2.98E-04	1.60E-03	1.65E-04
2362	438690.4	3725510	1.50E-03	2.97E-04	1.60E-03	1.64E-04
2363	438687.2	3725127	1.44E-03	2.84E-04	1.53E-03	1.57E-04
2364	438688.2	3725136	1.44E-03	2.85E-04	1.53E-03	1.58E-04
2365	438689.2	3725145	1.45E-03	2.86E-04	1.54E-03	1.58E-04
2366	438690.1	3725154	1.45E-03	2.86E-04	1.54E-03	1.59E-04
2367	438691.1	3725163	1.45E-03	2.87E-04	1.55E-03	1.59E-04
2368	438692.1	3725172	1.46E-03	2.88E-04	1.55E-03	1.60E-04
2369	438693	3725182	1.46E-03	2.89E-04	1.56E-03	1.60E-04
2370	438694	3725191	1.47E-03	2.90E-04	1.56E-03	1.61E-04
2371	438695	3725200	1.48E-03	2.92E-04	1.57E-03	1.62E-04
2372	438695.9	3725209	1.48E-03	2.92E-04	1.57E-03	1.62E-04
2373	438696.9	3725218	1.48E-03	2.92E-04	1.57E-03	1.62E-04
2374	438697.9	3725227	1.48E-03	2.92E-04	1.57E-03	1.62E-04
2375	438698.8	3725237	1.48E-03	2.92E-04	1.57E-03	1.61E-04
2376	438699.8	3725246	1.47E-03	2.91E-04	1.56E-03	1.61E-04
2377	438700.8	3725255	1.47E-03	2.90E-04	1.56E-03	1.61E-04
2378	438705.6	3725301	1.44E-03	2.84E-04	1.53E-03	1.57E-04
2379	438706.6	3725310	1.43E-03	2.82E-04	1.52E-03	1.56E-04
2380	438707.5	3725319	1.42E-03	2.80E-04	1.51E-03	1.55E-04
2381	438708.5	3725328	1.41E-03	2.79E-04	1.50E-03	1.54E-04
2382	438709.5	3725338	1.41E-03	2.78E-04	1.49E-03	1.54E-04
2383	438710.4	3725347	1.40E-03	2.77E-04	1.49E-03	1.53E-04
2384	438711.4	3725356	1.40E-03	2.76E-04	1.48E-03	1.53E-04
2385	438712.4	3725365	1.40E-03	2.76E-04	1.49E-03	1.53E-04
2386	438717.2	3725411	1.41E-03	2.78E-04	1.49E-03	1.54E-04

2387	438718.2	3725420	1.41E-03	2.78E-04	1.50E-03	1.54E-04
2388	438719.1	3725429	1.41E-03	2.79E-04	1.50E-03	1.54E-04
2389	438720.1	3725438	1.41E-03	2.79E-04	1.50E-03	1.55E-04
2390	438721.1	3725448	1.41E-03	2.79E-04	1.50E-03	1.55E-04
2391	438722.1	3725457	1.41E-03	2.79E-04	1.50E-03	1.55E-04
2392	438723	3725466	1.41E-03	2.79E-04	1.50E-03	1.55E-04
2393	438724	3725475	1.41E-03	2.79E-04	1.50E-03	1.55E-04
2394	438725	3725484	1.41E-03	2.78E-04	1.50E-03	1.54E-04
2395	438725.9	3725493	1.40E-03	2.77E-04	1.49E-03	1.54E-04
2396	438726.9	3725503	1.40E-03	2.77E-04	1.49E-03	1.53E-04
2397	438727.9	3725512	1.40E-03	2.76E-04	1.48E-03	1.53E-04
2398	437709.7	3725188	1.17E-01	2.32E-02	1.25E-01	1.28E-02
2399	437702	3725182	1.07E-01	2.12E-02	1.14E-01	1.18E-02
2400	437715.4	3725179	9.11E-02	1.80E-02	9.67E-02	9.96E-03
2401	437707.6	3725174	8.36E-02	1.65E-02	8.88E-02	9.15E-03
2402	437721.1	3725171	7.33E-02	1.45E-02	7.79E-02	8.02E-03
2403	437713.3	3725166	6.73E-02	1.33E-02	7.15E-02	7.37E-03
2404	437726.7	3725163	6.08E-02	1.20E-02	6.46E-02	6.65E-03
2405	437719	3725158	5.56E-02	1.10E-02	5.91E-02	6.09E-03
2406	437732.4	3725155	5.15E-02	1.02E-02	5.47E-02	5.63E-03
2407	437724.6	3725149	4.70E-02	9.29E-03	4.99E-02	5.14E-03
2408	437797.9	3725190	6.02E-02	1.19E-02	6.40E-02	6.59E-03
2409	437738.1	3725147	4.43E-02	8.75E-03	4.71E-02	4.85E-03
2410	437730.3	3725141	4.03E-02	7.97E-03	4.28E-02	4.41E-03
2411	437803.1	3725181	5.21E-02	1.03E-02	5.54E-02	5.70E-03
2412	437813.2	3725193	5.52E-02	1.09E-02	5.87E-02	6.04E-03
2413	437790.3	3725170	4.95E-02	9.78E-03	5.26E-02	5.41E-03
2414	437782.5	3725165	4.82E-02	9.52E-03	5.12E-02	5.28E-03
2415	437774.7	3725160	4.65E-02	9.18E-03	4.94E-02	5.09E-03
2416	437767	3725154	4.45E-02	8.78E-03	4.72E-02	4.86E-03
2417	437759.2	3725149	4.24E-02	8.38E-03	4.51E-02	4.64E-03
2418	437751.5	3725144	4.03E-02	7.95E-03	4.28E-02	4.41E-03
2419	437743.7	3725138	3.78E-02	7.46E-03	4.01E-02	4.13E-03
2420	437736	3725133	3.48E-02	6.86E-03	3.69E-02	3.80E-03
2421	437809.4	3725174	4.59E-02	9.07E-03	4.88E-02	5.03E-03
2422	437820.8	3725187	4.89E-02	9.66E-03	5.20E-02	5.35E-03
2423	437795.9	3725162	4.31E-02	8.51E-03	4.58E-02	4.72E-03
2424	437788.2	3725157	4.19E-02	8.27E-03	4.45E-02	4.58E-03
2425	437780.4	3725151	4.03E-02	7.96E-03	4.28E-02	4.41E-03
2426	437772.7	3725146	3.84E-02	7.58E-03	4.08E-02	4.20E-03
2427	437764.9	3725141	3.67E-02	7.25E-03	3.90E-02	4.01E-03
2428	437757.1	3725135	3.48E-02	6.87E-03	3.69E-02	3.80E-03
2429	437749.4	3725130	3.25E-02	6.42E-03	3.46E-02	3.56E-03
2430	437741.6	3725125	3.00E-02	5.93E-03	3.19E-02	3.28E-03
2431	437814.6	3725165	4.07E-02	8.04E-03	4.32E-02	4.45E-03
2432	437825.2	3725177	4.29E-02	8.48E-03	4.56E-02	4.70E-03
2433	437801.6	3725154	3.80E-02	7.50E-03	4.03E-02	4.15E-03
2434	437793.8	3725148	3.67E-02	7.25E-03	3.90E-02	4.01E-03
2435	437786.1	3725143	3.54E-02	6.99E-03	3.76E-02	3.87E-03
2436	437778.3	3725138	3.39E-02	6.70E-03	3.60E-02	3.71E-03
2437	437770.6	3725132	3.22E-02	6.36E-03	3.42E-02	3.52E-03
2438	437762.8	3725127	3.04E-02	6.01E-03	3.23E-02	3.33E-03

2439	437755.1	3725122	2.84E-02	5.61E-03	3.02E-02	3.11E-03
2440	437747.3	3725116	2.62E-02	5.18E-03	2.79E-02	2.87E-03
2441	437837	3725161	3.52E-02	6.96E-03	3.74E-02	3.86E-03
2442	437811.7	3725039	1.12E-02	2.21E-03	1.19E-02	1.23E-03
2443	437803.9	3725034	1.05E-02	2.07E-03	1.11E-02	1.15E-03
2444	437883.1	3725067	1.38E-02	2.73E-03	1.47E-02	1.51E-03
2445	437894.7	3725080	1.50E-02	2.96E-03	1.59E-02	1.64E-03
2446	437906.4	3725093	1.60E-02	3.15E-03	1.70E-02	1.75E-03
2447	437918	3725106	1.68E-02	3.31E-03	1.78E-02	1.84E-03
2448	437869.6	3725055	1.28E-02	2.53E-03	1.36E-02	1.40E-03
2449	437861.8	3725050	1.23E-02	2.43E-03	1.31E-02	1.35E-03
2450	437854.1	3725044	1.18E-02	2.33E-03	1.25E-02	1.29E-03
2451	437846.3	3725039	1.13E-02	2.23E-03	1.20E-02	1.23E-03
2452	437838.5	3725034	1.07E-02	2.11E-03	1.14E-02	1.17E-03
2453	437830.8	3725028	1.01E-02	2.00E-03	1.08E-02	1.11E-03
2454	437823	3725023	9.53E-03	1.88E-03	1.01E-02	1.04E-03
2455	437815.3	3725018	8.94E-03	1.77E-03	9.50E-03	9.78E-04
2456	437894.5	3725050	1.18E-02	2.33E-03	1.25E-02	1.29E-03
2457	437906.2	3725063	1.28E-02	2.52E-03	1.36E-02	1.40E-03
2458	437917.9	3725077	1.37E-02	2.70E-03	1.45E-02	1.49E-03
2459	437929.6	3725090	1.44E-02	2.84E-03	1.53E-02	1.57E-03
2460	437941.3	3725103	1.50E-02	2.96E-03	1.59E-02	1.64E-03
2461	437880.9	3725038	1.09E-02	2.16E-03	1.16E-02	1.20E-03
2462	437873.1	3725033	1.05E-02	2.08E-03	1.12E-02	1.15E-03
2463	437865.4	3725028	1.01E-02	1.99E-03	1.07E-02	1.10E-03
2464	437857.6	3725022	9.64E-03	1.90E-03	1.02E-02	1.05E-03
2465	437849.9	3725017	9.17E-03	1.81E-03	9.74E-03	1.00E-03
2466	437842.1	3725012	8.68E-03	1.72E-03	9.22E-03	9.50E-04
2467	437834.4	3725006	8.20E-03	1.62E-03	8.71E-03	8.97E-04
2468	437826.6	3725001	7.71E-03	1.52E-03	8.19E-03	8.43E-04
2469	437905.9	3725034	1.02E-02	2.01E-03	1.08E-02	1.11E-03
2470	437917.6	3725047	1.10E-02	2.17E-03	1.17E-02	1.20E-03
2471	437929.4	3725060	1.18E-02	2.32E-03	1.25E-02	1.29E-03
2472	437941.2	3725073	1.24E-02	2.45E-03	1.32E-02	1.36E-03
2473	437952.9	3725087	1.30E-02	2.56E-03	1.38E-02	1.42E-03
2474	437964.7	3725100	1.34E-02	2.65E-03	1.42E-02	1.47E-03
2475	437892.2	3725022	9.41E-03	1.86E-03	1.00E-02	1.03E-03
2476	437884.5	3725017	9.06E-03	1.79E-03	9.63E-03	9.92E-04
2477	437876.7	3725011	8.70E-03	1.72E-03	9.24E-03	9.51E-04
2478	437869	3725006	8.31E-03	1.64E-03	8.83E-03	9.09E-04
2479	437861.2	3725001	7.92E-03	1.56E-03	8.41E-03	8.66E-04
2480	437853.4	3724995	7.51E-03	1.48E-03	7.98E-03	8.22E-04
2481	437845.7	3724990	7.11E-03	1.40E-03	7.55E-03	7.78E-04
2482	437837.9	3724985	6.70E-03	1.32E-03	7.12E-03	7.33E-04
2483	437917.2	3725017	8.82E-03	1.74E-03	9.37E-03	9.65E-04
2484	437929	3725031	9.54E-03	1.88E-03	1.01E-02	1.04E-03
2485	437940.9	3725044	1.02E-02	2.01E-03	1.08E-02	1.12E-03
2486	437952.7	3725057	1.08E-02	2.13E-03	1.15E-02	1.18E-03
2487	437964.5	3725070	1.13E-02	2.23E-03	1.20E-02	1.24E-03
2488	437976.4	3725084	1.17E-02	2.31E-03	1.24E-02	1.28E-03
2489	437988.2	3725097	1.20E-02	2.37E-03	1.28E-02	1.31E-03
2490	437903.6	3725005	8.17E-03	1.61E-03	8.67E-03	8.93E-04

2491	437895.8	3725000	7.87E-03	1.55E-03	8.36E-03	8.61E-04
2492	437888	3724995	7.56E-03	1.49E-03	8.03E-03	8.27E-04
2493	437880.3	3724989	7.23E-03	1.43E-03	7.68E-03	7.91E-04
2494	437872.5	3724984	6.90E-03	1.36E-03	7.32E-03	7.54E-04
2495	437864.8	3724979	6.56E-03	1.29E-03	6.96E-03	7.17E-04
2496	437857	3724973	6.21E-03	1.23E-03	6.60E-03	6.80E-04
2497	437849.3	3724968	5.87E-03	1.16E-03	6.23E-03	6.42E-04
2498	437928.6	3725001	7.70E-03	1.52E-03	8.18E-03	8.43E-04
2499	437940.5	3725014	8.33E-03	1.64E-03	8.85E-03	9.11E-04
2500	437946.4	3725021	8.63E-03	1.70E-03	9.16E-03	9.44E-04
2501	437970.2	3725048	9.69E-03	1.91E-03	1.03E-02	1.06E-03
2502	437982	3725061	1.01E-02	2.00E-03	1.07E-02	1.11E-03
2503	437993.9	3725074	1.05E-02	2.06E-03	1.11E-02	1.14E-03
2504	437914.9	3724989	7.14E-03	1.41E-03	7.58E-03	7.81E-04
2505	437907.1	3724984	6.88E-03	1.36E-03	7.31E-03	7.53E-04
2506	437899.4	3724978	6.61E-03	1.31E-03	7.02E-03	7.23E-04
2507	437891.6	3724973	6.34E-03	1.25E-03	6.73E-03	6.93E-04
2508	437883.9	3724968	6.05E-03	1.20E-03	6.43E-03	6.62E-04
2509	437876.1	3724962	5.76E-03	1.14E-03	6.12E-03	6.30E-04
2510	437868.4	3724957	5.47E-03	1.08E-03	5.81E-03	5.98E-04
2511	437860.6	3724952	5.18E-03	1.02E-03	5.50E-03	5.67E-04
2512	437945.8	3724976	6.38E-03	1.26E-03	6.78E-03	6.98E-04
2513	437951.9	3724983	6.64E-03	1.31E-03	7.06E-03	7.27E-04
2514	437976.5	3725011	7.64E-03	1.51E-03	8.11E-03	8.35E-04
2515	437982.7	3725018	7.86E-03	1.55E-03	8.35E-03	8.60E-04
2516	437988.8	3725025	8.07E-03	1.59E-03	8.57E-03	8.83E-04
2517	437995	3725032	8.27E-03	1.63E-03	8.78E-03	9.05E-04
2518	438001.1	3725039	8.45E-03	1.67E-03	8.98E-03	9.25E-04
2519	438007.3	3725045	8.62E-03	1.70E-03	9.16E-03	9.43E-04
2520	438013.4	3725052	8.77E-03	1.73E-03	9.32E-03	9.60E-04
2521	437939.6	3724970	6.11E-03	1.21E-03	6.49E-03	6.69E-04
2522	437931.9	3724964	5.91E-03	1.17E-03	6.28E-03	6.47E-04
2523	437924.1	3724959	5.70E-03	1.13E-03	6.05E-03	6.23E-04
2524	437916.4	3724954	5.48E-03	1.08E-03	5.82E-03	6.00E-04
2525	437908.6	3724948	5.26E-03	1.04E-03	5.59E-03	5.76E-04
2526	437900.9	3724943	5.04E-03	9.95E-04	5.35E-03	5.51E-04
2527	437893.1	3724938	4.81E-03	9.49E-04	5.11E-03	5.26E-04
2528	437885.3	3724932	4.58E-03	9.04E-04	4.86E-03	5.01E-04
2529	437877.6	3724927	4.35E-03	8.58E-04	4.62E-03	4.75E-04
2530	437974.6	3724965	5.76E-03	1.14E-03	6.12E-03	6.30E-04
2531	437980.6	3724972	5.97E-03	1.18E-03	6.34E-03	6.53E-04
2532	437986.6	3724979	6.17E-03	1.22E-03	6.55E-03	6.75E-04
2533	437992.6	3724985	6.36E-03	1.26E-03	6.76E-03	6.96E-04
2534	437998.6	3724992	6.55E-03	1.29E-03	6.96E-03	7.16E-04
2535	438004.6	3724999	6.73E-03	1.33E-03	7.15E-03	7.36E-04
2536	438010.7	3725005	6.90E-03	1.36E-03	7.33E-03	7.55E-04
2537	438016.7	3725012	7.06E-03	1.39E-03	7.50E-03	7.72E-04
2538	438022.7	3725019	7.21E-03	1.42E-03	7.66E-03	7.89E-04
2539	438034.7	3725032	7.48E-03	1.48E-03	7.94E-03	8.18E-04
2540	437933.4	3724929	4.61E-03	9.10E-04	4.90E-03	5.04E-04
2541	437925.6	3724924	4.43E-03	8.75E-04	4.70E-03	4.84E-04
2542	437917.9	3724918	4.24E-03	8.38E-04	4.51E-03	4.64E-04

2543	437910.1	3724913	4.06E-03	8.02E-04	4.31E-03	4.44E-04
2544	437902.3	3724908	3.88E-03	7.66E-04	4.12E-03	4.24E-04
2545	437894.6	3724902	3.69E-03	7.29E-04	3.92E-03	4.04E-04
2546	437979.8	3724927	4.53E-03	8.95E-04	4.81E-03	4.96E-04
2547	437986	3724934	4.71E-03	9.31E-04	5.01E-03	5.16E-04
2548	437992.2	3724941	4.89E-03	9.67E-04	5.20E-03	5.35E-04
2549	437998.3	3724948	5.07E-03	1.00E-03	5.38E-03	5.54E-04
2550	438004.5	3724955	5.24E-03	1.03E-03	5.56E-03	5.73E-04
2551	438010.7	3724962	5.40E-03	1.07E-03	5.74E-03	5.91E-04
2552	438016.9	3724969	5.57E-03	1.10E-03	5.91E-03	6.09E-04
2553	438023	3724976	5.72E-03	1.13E-03	6.08E-03	6.26E-04
2554	438029.2	3724982	5.87E-03	1.16E-03	6.24E-03	6.43E-04
2555	438035.4	3724989	6.02E-03	1.19E-03	6.39E-03	6.59E-04
2556	438041.6	3724996	6.15E-03	1.21E-03	6.53E-03	6.72E-04
2557	438047.8	3725003	6.24E-03	1.23E-03	6.63E-03	6.83E-04
2558	438053.9	3725010	6.34E-03	1.25E-03	6.73E-03	6.93E-04
2559	438091	3725052	6.79E-03	1.34E-03	7.22E-03	7.43E-04
2560	437973.6	3724920	4.35E-03	8.58E-04	4.62E-03	4.75E-04
2561	437965.9	3724915	4.21E-03	8.31E-04	4.47E-03	4.60E-04
2562	437934.8	3724893	3.62E-03	7.14E-04	3.84E-03	3.96E-04
2563	437927.1	3724888	3.47E-03	6.85E-04	3.68E-03	3.79E-04
2564	437919.3	3724883	3.32E-03	6.55E-04	3.52E-03	3.63E-04
2565	437911.6	3724877	3.16E-03	6.25E-04	3.36E-03	3.46E-04
2566	437996.7	3724902	3.81E-03	7.52E-04	4.04E-03	4.16E-04
2567	438002.7	3724909	3.95E-03	7.80E-04	4.19E-03	4.32E-04
2568	438008.8	3724916	4.11E-03	8.11E-04	4.36E-03	4.49E-04
2569	438014.8	3724923	4.26E-03	8.41E-04	4.52E-03	4.66E-04
2570	438020.9	3724929	4.40E-03	8.68E-04	4.67E-03	4.81E-04
2571	438026.9	3724936	4.53E-03	8.95E-04	4.81E-03	4.96E-04
2572	438033	3724943	4.65E-03	9.18E-04	4.94E-03	5.08E-04
2573	438039	3724950	4.78E-03	9.43E-04	5.07E-03	5.23E-04
2574	438045.1	3724956	4.90E-03	9.68E-04	5.21E-03	5.36E-04
2575	438051.1	3724963	5.02E-03	9.92E-04	5.33E-03	5.49E-04
2576	438057.1	3724970	5.12E-03	1.01E-03	5.44E-03	5.61E-04
2577	438063.2	3724977	5.21E-03	1.03E-03	5.54E-03	5.70E-04
2578	438069.2	3724984	5.30E-03	1.05E-03	5.63E-03	5.80E-04
2579	438075.3	3724990	5.41E-03	1.07E-03	5.75E-03	5.92E-04
2580	438032.4	3724898	3.53E-03	6.96E-04	3.74E-03	3.86E-04
2581	438038.6	3724905	3.63E-03	7.16E-04	3.85E-03	3.97E-04
2582	438044.8	3724912	3.74E-03	7.39E-04	3.98E-03	4.09E-04
2583	438051	3724919	3.86E-03	7.62E-04	4.10E-03	4.22E-04
2584	438057.2	3724926	3.96E-03	7.82E-04	4.21E-03	4.33E-04
2585	438063.4	3724933	4.06E-03	8.02E-04	4.31E-03	4.44E-04
2586	438069.6	3724940	4.16E-03	8.21E-04	4.42E-03	4.55E-04
2587	438075.8	3724947	4.28E-03	8.45E-04	4.55E-03	4.68E-04
2588	438082	3724954	4.40E-03	8.69E-04	4.67E-03	4.81E-04
2589	438088.2	3724961	4.51E-03	8.92E-04	4.79E-03	4.94E-04
2590	438094.4	3724968	4.62E-03	9.13E-04	4.91E-03	5.05E-04
2591	437992.1	3724860	2.95E-03	5.82E-04	3.13E-03	3.22E-04
2592	437984.3	3724855	2.87E-03	5.68E-04	3.05E-03	3.14E-04
2593	437976.6	3724849	2.79E-03	5.50E-04	2.96E-03	3.05E-04
2594	437968.8	3724844	2.69E-03	5.31E-04	2.85E-03	2.94E-04

2595	437961.1	3724839	2.59E-03	5.12E-04	2.75E-03	2.84E-04
2596	437953.3	3724833	2.50E-03	4.94E-04	2.65E-03	2.73E-04
2597	437945.6	3724828	2.40E-03	4.73E-04	2.55E-03	2.62E-04
2598	438030.7	3724853	2.78E-03	5.49E-04	2.95E-03	3.04E-04
2599	438036.8	3724860	2.86E-03	5.66E-04	3.04E-03	3.13E-04
2600	438067.2	3724894	3.28E-03	6.47E-04	3.48E-03	3.59E-04
2601	438073.3	3724901	3.36E-03	6.63E-04	3.57E-03	3.67E-04
2602	438079.4	3724907	3.44E-03	6.80E-04	3.66E-03	3.77E-04
2603	438085.4	3724914	3.53E-03	6.98E-04	3.75E-03	3.87E-04
2604	438091.5	3724921	3.62E-03	7.16E-04	3.85E-03	3.96E-04
2605	438097.6	3724928	3.71E-03	7.33E-04	3.94E-03	4.06E-04
2606	438103.7	3724935	3.79E-03	7.48E-04	4.02E-03	4.14E-04
2607	438024.6	3724846	2.69E-03	5.32E-04	2.86E-03	2.94E-04
2608	438016.9	3724841	2.62E-03	5.17E-04	2.78E-03	2.87E-04
2609	438009.1	3724835	2.55E-03	5.03E-04	2.70E-03	2.78E-04
2610	438001.3	3724830	2.47E-03	4.89E-04	2.63E-03	2.71E-04
2611	437993.6	3724825	2.40E-03	4.74E-04	2.55E-03	2.62E-04
2612	437985.8	3724819	2.32E-03	4.58E-04	2.47E-03	2.54E-04
2613	437978.1	3724814	2.24E-03	4.43E-04	2.38E-03	2.45E-04
2614	437970.3	3724809	2.17E-03	4.29E-04	2.31E-03	2.38E-04
2615	437962.6	3724803	2.10E-03	4.15E-04	2.23E-03	2.30E-04
2616	438190.8	3724988	4.05E-03	7.99E-04	4.30E-03	4.43E-04
2617	438197	3724995	4.11E-03	8.12E-04	4.37E-03	4.50E-04
2618	438018.3	3724805	2.16E-03	4.27E-04	2.30E-03	2.37E-04
2619	438010.6	3724800	2.10E-03	4.14E-04	2.23E-03	2.30E-04
2620	438002.8	3724795	2.03E-03	4.01E-04	2.16E-03	2.22E-04
2621	437995.1	3724789	1.97E-03	3.89E-04	2.09E-03	2.15E-04
2622	437987.3	3724784	1.90E-03	3.75E-04	2.02E-03	2.08E-04
2623	437979.6	3724779	1.83E-03	3.61E-04	1.94E-03	2.00E-04
2624	438107.5	3724851	2.61E-03	5.15E-04	2.77E-03	2.85E-04
2625	438113.6	3724858	2.67E-03	5.27E-04	2.84E-03	2.92E-04
2626	438119.7	3724865	2.73E-03	5.39E-04	2.90E-03	2.99E-04
2627	438125.8	3724872	2.79E-03	5.51E-04	2.96E-03	3.05E-04
2628	438131.9	3724879	2.85E-03	5.62E-04	3.02E-03	3.11E-04
2629	438138	3724886	2.90E-03	5.72E-04	3.08E-03	3.17E-04
2630	438144.1	3724892	2.95E-03	5.82E-04	3.13E-03	3.22E-04
2631	438150.2	3724899	3.00E-03	5.92E-04	3.18E-03	3.28E-04
2632	438156.4	3724906	3.05E-03	6.02E-04	3.23E-03	3.33E-04
2633	438162.5	3724913	3.09E-03	6.11E-04	3.28E-03	3.38E-04
2634	438168.6	3724920	3.14E-03	6.20E-04	3.33E-03	3.43E-04
2635	438081.8	3724779	1.89E-03	3.73E-04	2.01E-03	2.07E-04
2636	438088	3724786	1.95E-03	3.85E-04	2.07E-03	2.13E-04
2637	438094.3	3724793	2.01E-03	3.96E-04	2.13E-03	2.20E-04
2638	438100.5	3724800	2.06E-03	4.08E-04	2.19E-03	2.26E-04
2639	438106.7	3724807	2.12E-03	4.19E-04	2.25E-03	2.32E-04
2640	438113	3724814	2.18E-03	4.31E-04	2.32E-03	2.39E-04
2641	438119.2	3724821	2.24E-03	4.43E-04	2.38E-03	2.45E-04
2642	438125.4	3724828	2.30E-03	4.55E-04	2.45E-03	2.52E-04
2643	438131.6	3724835	2.36E-03	4.67E-04	2.51E-03	2.59E-04
2644	438137.9	3724842	2.42E-03	4.79E-04	2.57E-03	2.65E-04
2645	438144.1	3724849	2.48E-03	4.89E-04	2.63E-03	2.71E-04
2646	438150.3	3724856	2.53E-03	4.99E-04	2.69E-03	2.77E-04

2647	438156.5	3724863	2.58E-03	5.09E-04	2.74E-03	2.82E-04
2648	438162.8	3724870	2.62E-03	5.18E-04	2.78E-03	2.87E-04
2649	438169	3724877	2.66E-03	5.26E-04	2.83E-03	2.91E-04
2650	438175.2	3724884	2.71E-03	5.35E-04	2.87E-03	2.96E-04
2651	438181.5	3724891	2.75E-03	5.43E-04	2.92E-03	3.01E-04
2652	438075.6	3724772	1.83E-03	3.61E-04	1.94E-03	2.00E-04
2653	438067.8	3724766	1.78E-03	3.52E-04	1.89E-03	1.95E-04
2654	438060.1	3724761	1.74E-03	3.43E-04	1.85E-03	1.90E-04
2655	438052.3	3724756	1.69E-03	3.35E-04	1.80E-03	1.85E-04
2656	438044.6	3724750	1.64E-03	3.24E-04	1.74E-03	1.80E-04
2657	438036.8	3724745	1.59E-03	3.14E-04	1.69E-03	1.74E-04
2658	438029.1	3724740	1.53E-03	3.02E-04	1.62E-03	1.67E-04
2659	438021.3	3724734	1.47E-03	2.91E-04	1.56E-03	1.61E-04
2660	438013.6	3724729	1.42E-03	2.80E-04	1.51E-03	1.55E-04
2661	438098.7	3724754	1.67E-03	3.30E-04	1.77E-03	1.83E-04
2662	438104.9	3724761	1.72E-03	3.40E-04	1.83E-03	1.88E-04
2663	438111	3724768	1.77E-03	3.50E-04	1.88E-03	1.94E-04
2664	438117.1	3724775	1.82E-03	3.60E-04	1.94E-03	2.00E-04
2665	438123.2	3724781	1.87E-03	3.70E-04	1.99E-03	2.05E-04
2666	438129.4	3724788	1.93E-03	3.80E-04	2.05E-03	2.11E-04
2667	438135.5	3724795	1.98E-03	3.90E-04	2.10E-03	2.16E-04
2668	438141.6	3724802	2.03E-03	4.00E-04	2.15E-03	2.22E-04
2669	438147.8	3724809	2.08E-03	4.10E-04	2.20E-03	2.27E-04
2670	438153.9	3724816	2.12E-03	4.19E-04	2.26E-03	2.32E-04
2671	438160	3724823	2.17E-03	4.29E-04	2.31E-03	2.38E-04
2672	438166.2	3724830	2.22E-03	4.39E-04	2.36E-03	2.43E-04
2673	438172.3	3724836	2.27E-03	4.48E-04	2.41E-03	2.48E-04
2674	438178.4	3724843	2.31E-03	4.56E-04	2.45E-03	2.53E-04
2675	438092.6	3724747	1.61E-03	3.18E-04	1.71E-03	1.76E-04
2676	438084.8	3724742	1.57E-03	3.10E-04	1.67E-03	1.71E-04
2677	438077.1	3724736	1.52E-03	3.01E-04	1.62E-03	1.67E-04
2678	438069.3	3724731	1.48E-03	2.92E-04	1.57E-03	1.62E-04
2679	438061.6	3724726	1.43E-03	2.83E-04	1.52E-03	1.57E-04
2680	438053.8	3724720	1.39E-03	2.74E-04	1.47E-03	1.52E-04
2681	438046.1	3724715	1.34E-03	2.65E-04	1.43E-03	1.47E-04
2682	438038.3	3724710	1.30E-03	2.56E-04	1.38E-03	1.42E-04
2683	438030.5	3724704	1.25E-03	2.47E-04	1.33E-03	1.37E-04
2684	438133.7	3724735	1.50E-03	2.97E-04	1.60E-03	1.64E-04
2685	438139.8	3724742	1.55E-03	3.06E-04	1.64E-03	1.69E-04
2686	438146	3724749	1.59E-03	3.15E-04	1.69E-03	1.74E-04
2687	438152.1	3724755	1.64E-03	3.24E-04	1.74E-03	1.79E-04
2688	438061	3724677	1.11E-03	2.20E-04	1.18E-03	1.22E-04
2689	438053.2	3724671	1.08E-03	2.13E-04	1.15E-03	1.18E-04
2690	437653.6	3725160	5.26E-02	1.04E-02	5.59E-02	5.76E-03
2691	437639.3	3725150	3.20E-02	6.32E-03	3.40E-02	3.50E-03
2692	437688	3725172	8.62E-02	1.70E-02	9.16E-02	9.44E-03
2693	437673.7	3725162	6.32E-02	1.25E-02	6.71E-02	6.91E-03
2694	437659.4	3725152	4.14E-02	8.18E-03	4.40E-02	4.53E-03
2695	437645.1	3725142	2.61E-02	5.15E-03	2.77E-02	2.85E-03
2696	437693.8	3725164	6.75E-02	1.33E-02	7.17E-02	7.38E-03
2697	437679.5	3725154	4.97E-02	9.81E-03	5.28E-02	5.43E-03
2698	437665.2	3725144	3.39E-02	6.70E-03	3.61E-02	3.71E-03

2699	437650.9	3725133	2.20E-02	4.35E-03	2.34E-02	2.41E-03
2700	437699.7	3725156	5.45E-02	1.08E-02	5.79E-02	5.97E-03
2701	437685.4	3725146	4.06E-02	8.03E-03	4.32E-02	4.45E-03
2702	437671.1	3725136	2.89E-02	5.72E-03	3.07E-02	3.17E-03
2703	437656.8	3725125	1.94E-02	3.83E-03	2.06E-02	2.12E-03
2704	437705.5	3725148	4.51E-02	8.92E-03	4.80E-02	4.94E-03
2705	437691.2	3725138	3.48E-02	6.88E-03	3.70E-02	3.81E-03
2706	437676.9	3725127	2.52E-02	4.98E-03	2.68E-02	2.76E-03
2707	437662.6	3725117	1.73E-02	3.42E-03	1.84E-02	1.90E-03
2708	437711.3	3725140	3.88E-02	7.66E-03	4.12E-02	4.24E-03
2709	437697	3725130	3.04E-02	6.00E-03	3.23E-02	3.33E-03
2710	437682.7	3725119	2.24E-02	4.43E-03	2.38E-02	2.45E-03
2711	437668.4	3725109	1.64E-02	3.23E-03	1.74E-02	1.79E-03
2712	437717.2	3725132	3.37E-02	6.67E-03	3.58E-02	3.69E-03
2713	437702.9	3725121	2.70E-02	5.32E-03	2.86E-02	2.95E-03
2714	437688.6	3725111	2.04E-02	4.03E-03	2.17E-02	2.23E-03
2715	437674.3	3725101	1.57E-02	3.09E-03	1.66E-02	1.71E-03
2716	437723	3725124	2.94E-02	5.81E-03	3.12E-02	3.22E-03
2717	437708.7	3725113	2.42E-02	4.77E-03	2.57E-02	2.64E-03
2718	437694.4	3725103	1.88E-02	3.71E-03	1.99E-02	2.05E-03
2719	437680.1	3725093	1.51E-02	2.98E-03	1.60E-02	1.65E-03
2720	437728.8	3725115	2.57E-02	5.07E-03	2.73E-02	2.81E-03
2721	437714.5	3725105	2.13E-02	4.20E-03	2.26E-02	2.33E-03
2722	437700.2	3725095	1.72E-02	3.39E-03	1.82E-02	1.88E-03
2723	437685.9	3725085	1.37E-02	2.70E-03	1.45E-02	1.49E-03
2724	437734.7	3725107	2.26E-02	4.47E-03	2.40E-02	2.47E-03
2725	437720.4	3725097	1.89E-02	3.73E-03	2.00E-02	2.06E-03
2726	437706.1	3725087	1.56E-02	3.08E-03	1.66E-02	1.71E-03
2727	437691.8	3725077	1.24E-02	2.44E-03	1.31E-02	1.35E-03
2728	437793	3725026	9.41E-03	1.86E-03	1.00E-02	1.03E-03
2729	437778.7	3725016	8.10E-03	1.60E-03	8.60E-03	8.86E-04
2730	437764.4	3725006	6.87E-03	1.36E-03	7.30E-03	7.52E-04
2731	437750.1	3724995	5.76E-03	1.14E-03	6.12E-03	6.30E-04
2732	437804.7	3725010	8.10E-03	1.60E-03	8.61E-03	8.87E-04
2733	437790.4	3725000	7.03E-03	1.39E-03	7.47E-03	7.69E-04
2734	437776.1	3724989	6.02E-03	1.19E-03	6.39E-03	6.58E-04
2735	437761.8	3724979	5.09E-03	1.01E-03	5.41E-03	5.57E-04
2736	437816.3	3724994	7.04E-03	1.39E-03	7.48E-03	7.70E-04
2737	437787.7	3724973	5.30E-03	1.05E-03	5.63E-03	5.80E-04
2738	437773.4	3724963	4.53E-03	8.95E-04	4.81E-03	4.96E-04
2739	437813.7	3724967	5.41E-03	1.07E-03	5.75E-03	5.92E-04
2740	437839.7	3724961	5.43E-03	1.07E-03	5.77E-03	5.94E-04
2741	437825.4	3724951	4.80E-03	9.49E-04	5.10E-03	5.25E-04
2742	437811.1	3724941	4.21E-03	8.31E-04	4.47E-03	4.60E-04
2743	437796.8	3724930	3.65E-03	7.22E-04	3.88E-03	4.00E-04
2744	437851.3	3724945	4.82E-03	9.52E-04	5.12E-03	5.27E-04
2745	437837	3724935	4.29E-03	8.47E-04	4.56E-03	4.69E-04
2746	437822.7	3724924	3.78E-03	7.47E-04	4.02E-03	4.14E-04
2747	437808.4	3724914	3.31E-03	6.53E-04	3.51E-03	3.62E-04
2748	437868.9	3724921	4.08E-03	8.05E-04	4.33E-03	4.46E-04
2749	437854.5	3724910	3.65E-03	7.21E-04	3.88E-03	3.99E-04
2750	437840.2	3724900	3.25E-03	6.42E-04	3.45E-03	3.55E-04

2751	437825.9	3724890	2.87E-03	5.67E-04	3.05E-03	3.14E-04
2752	437886.4	3724896	3.49E-03	6.89E-04	3.70E-03	3.81E-04
2753	437872	3724886	3.14E-03	6.21E-04	3.34E-03	3.44E-04
2754	437857.7	3724876	2.82E-03	5.56E-04	2.99E-03	3.08E-04
2755	437843.4	3724865	2.51E-03	4.96E-04	2.67E-03	2.74E-04
2756	437899.9	3724832	2.28E-03	4.51E-04	2.42E-03	2.50E-04
2757	437885.6	3724822	2.07E-03	4.08E-04	2.19E-03	2.26E-04
2758	437931.7	3724818	2.21E-03	4.36E-04	2.35E-03	2.42E-04
2759	437917.4	3724808	2.02E-03	3.99E-04	2.14E-03	2.21E-04
2760	437903.1	3724797	1.84E-03	3.63E-04	1.95E-03	2.01E-04
2761	437949.2	3724794	1.96E-03	3.87E-04	2.08E-03	2.14E-04
2762	437934.9	3724783	1.80E-03	3.55E-04	1.91E-03	1.97E-04
2763	437920.6	3724773	1.64E-03	3.25E-04	1.75E-03	1.80E-04
2764	437966.7	3724769	1.71E-03	3.38E-04	1.82E-03	1.87E-04
2765	437952.4	3724759	1.59E-03	3.14E-04	1.69E-03	1.74E-04
2766	437938.1	3724749	1.47E-03	2.90E-04	1.56E-03	1.60E-04
2767	437955.6	3724724	1.28E-03	2.53E-04	1.36E-03	1.40E-04
2768	438019.2	3724696	1.18E-03	2.33E-04	1.25E-03	1.29E-04
2769	438004.9	3724686	1.08E-03	2.14E-04	1.15E-03	1.19E-04
2770	438042.5	3724664	1.02E-03	2.02E-04	1.09E-03	1.12E-04
2771	437619.6	3725133	1.64E-02	3.24E-03	1.74E-02	1.79E-03
2772	437615	3725125	1.29E-02	2.56E-03	1.37E-02	1.42E-03
2773	437607.8	3725117	1.08E-02	2.13E-03	1.15E-02	1.18E-03
2774	437623.1	3725111	1.03E-02	2.04E-03	1.10E-02	1.13E-03
2775	437638.7	3725110	1.19E-02	2.34E-03	1.26E-02	1.30E-03
2776	437600.8	3725110	9.50E-03	1.88E-03	1.01E-02	1.04E-03
2777	437615.5	3725104	8.86E-03	1.75E-03	9.41E-03	9.69E-04
2778	437637.9	3725100	1.03E-02	2.04E-03	1.09E-02	1.13E-03
2779	437593.9	3725103	8.20E-03	1.62E-03	8.71E-03	8.97E-04
2780	437608.2	3725097	7.81E-03	1.54E-03	8.30E-03	8.54E-04
2781	437622.6	3725091	7.77E-03	1.53E-03	8.25E-03	8.50E-04
2782	437637.1	3725090	9.19E-03	1.82E-03	9.77E-03	1.01E-03
2783	437588.3	3725095	7.02E-03	1.39E-03	7.46E-03	7.68E-04
2784	437604.6	3725088	6.87E-03	1.36E-03	7.30E-03	7.52E-04
2785	437621	3725081	6.84E-03	1.35E-03	7.26E-03	7.48E-04
2786	437637.7	3725080	8.30E-03	1.64E-03	8.82E-03	9.08E-04
2787	437654.6	3725085	1.06E-02	2.10E-03	1.13E-02	1.16E-03
2788	437581.3	3725087	6.09E-03	1.20E-03	6.47E-03	6.66E-04
2789	437597.1	3725081	6.07E-03	1.20E-03	6.44E-03	6.63E-04
2790	437612.9	3725074	6.15E-03	1.21E-03	6.53E-03	6.73E-04
2791	437636.8	3725070	7.04E-03	1.39E-03	7.48E-03	7.71E-04
2792	437669.6	3725080	1.10E-02	2.18E-03	1.17E-02	1.21E-03
2793	437566.8	3725097	6.45E-03	1.27E-03	6.85E-03	7.06E-04
2794	437540	3725121	7.72E-03	1.53E-03	8.20E-03	8.45E-04
2795	437526.7	3725132	8.23E-03	1.63E-03	8.74E-03	9.01E-04
2796	437574.5	3725080	5.36E-03	1.06E-03	5.69E-03	5.86E-04
2797	437589.8	3725074	5.29E-03	1.05E-03	5.62E-03	5.79E-04
2798	437605.1	3725067	5.30E-03	1.05E-03	5.63E-03	5.80E-04
2799	437560.1	3725089	5.70E-03	1.13E-03	6.05E-03	6.23E-04
2800	437533.4	3725113	6.83E-03	1.35E-03	7.25E-03	7.47E-04
2801	437520	3725125	7.29E-03	1.44E-03	7.74E-03	7.97E-04
2802	437561.6	3725065	4.27E-03	8.44E-04	4.54E-03	4.68E-04

2803	437578	3725058	4.15E-03	8.20E-04	4.41E-03	4.54E-04
2804	437594.3	3725051	4.10E-03	8.09E-04	4.35E-03	4.48E-04
2805	437546.8	3725074	4.57E-03	9.03E-04	4.86E-03	5.00E-04
2806	437506.7	3725110	5.84E-03	1.15E-03	6.20E-03	6.38E-04
2807	437547.9	3725050	3.52E-03	6.96E-04	3.74E-03	3.85E-04
2808	437563.5	3725044	3.39E-03	6.70E-04	3.60E-03	3.71E-04
2809	437533.4	3725059	3.78E-03	7.46E-04	4.01E-03	4.13E-04
2810	437699.2	3724980	3.63E-03	7.17E-04	3.86E-03	3.97E-04
2811	437716.2	3724985	4.28E-03	8.44E-04	4.54E-03	4.68E-04
2812	437733.1	3724990	4.99E-03	9.86E-04	5.30E-03	5.46E-04
2813	437662.9	3724950	2.11E-03	4.16E-04	2.24E-03	2.31E-04
2814	437679.4	3724955	2.45E-03	4.85E-04	2.61E-03	2.68E-04
2815	437695.9	3724960	2.87E-03	5.66E-04	3.05E-03	3.14E-04
2816	437712.3	3724965	3.34E-03	6.61E-04	3.55E-03	3.66E-04
2817	437728.8	3724969	3.88E-03	7.67E-04	4.12E-03	4.25E-04
2818	437745.3	3724974	4.47E-03	8.82E-04	4.75E-03	4.89E-04
2819	437466.8	3725012	2.26E-03	4.47E-04	2.40E-03	2.48E-04
2820	437453.4	3725024	2.42E-03	4.78E-04	2.57E-03	2.65E-04
2821	437440	3725036	2.55E-03	5.04E-04	2.71E-03	2.79E-04
2822	437481.7	3724975	1.74E-03	3.44E-04	1.85E-03	1.90E-04
2823	437498	3724969	1.65E-03	3.26E-04	1.75E-03	1.81E-04
2824	437514.4	3724962	1.56E-03	3.08E-04	1.66E-03	1.71E-04
2825	437646.1	3724926	1.54E-03	3.05E-04	1.64E-03	1.69E-04
2826	437663.1	3724931	1.77E-03	3.50E-04	1.88E-03	1.94E-04
2827	437680.1	3724935	2.06E-03	4.07E-04	2.19E-03	2.25E-04
2828	437697	3724940	2.40E-03	4.74E-04	2.55E-03	2.62E-04
2829	437714	3724945	2.79E-03	5.52E-04	2.97E-03	3.06E-04
2830	437731	3724950	3.24E-03	6.40E-04	3.44E-03	3.55E-04
2831	437748	3724955	3.73E-03	7.38E-04	3.97E-03	4.08E-04
2832	437466.8	3724985	1.86E-03	3.67E-04	1.97E-03	2.03E-04
2833	437453.4	3724997	2.00E-03	3.95E-04	2.12E-03	2.19E-04
2834	437440.1	3725009	2.13E-03	4.21E-04	2.27E-03	2.33E-04
2835	437426.7	3725021	2.24E-03	4.43E-04	2.38E-03	2.46E-04
2836	437468.1	3724961	1.56E-03	3.08E-04	1.66E-03	1.71E-04
2837	437484.1	3724954	1.48E-03	2.93E-04	1.58E-03	1.62E-04
2838	437500	3724947	1.41E-03	2.78E-04	1.49E-03	1.54E-04
2839	437516	3724941	1.33E-03	2.62E-04	1.41E-03	1.45E-04
2840	437531.9	3724934	1.26E-03	2.48E-04	1.33E-03	1.37E-04
2841	437661	3724910	1.48E-03	2.93E-04	1.57E-03	1.62E-04
2842	437677.5	3724915	1.70E-03	3.36E-04	1.80E-03	1.86E-04
2843	437694.1	3724920	1.96E-03	3.87E-04	2.08E-03	2.14E-04
2844	437710.6	3724925	2.26E-03	4.46E-04	2.40E-03	2.47E-04
2845	437727.2	3724930	2.60E-03	5.14E-04	2.77E-03	2.85E-04
2846	437743.7	3724934	2.99E-03	5.90E-04	3.17E-03	3.27E-04
2847	437760.3	3724939	3.40E-03	6.71E-04	3.61E-03	3.72E-04
2848	437453.5	3724970	1.66E-03	3.28E-04	1.76E-03	1.82E-04
2849	437440.1	3724982	1.78E-03	3.52E-04	1.89E-03	1.95E-04
2850	437426.7	3724994	1.89E-03	3.74E-04	2.01E-03	2.07E-04
2851	437413.4	3725006	1.99E-03	3.93E-04	2.11E-03	2.18E-04
2852	437455	3724946	1.41E-03	2.78E-04	1.50E-03	1.54E-04
2853	437471.4	3724939	1.34E-03	2.65E-04	1.42E-03	1.47E-04
2854	437487.7	3724932	1.27E-03	2.50E-04	1.35E-03	1.39E-04

2855	437504.1	3724925	1.20E-03	2.36E-04	1.27E-03	1.31E-04
2856	437520.4	3724919	1.13E-03	2.23E-04	1.20E-03	1.23E-04
2857	437602.2	3724885	9.54E-04	1.88E-04	1.01E-03	1.04E-04
2858	437677.9	3724896	1.45E-03	2.87E-04	1.54E-03	1.59E-04
2859	437694.9	3724901	1.67E-03	3.30E-04	1.78E-03	1.83E-04
2860	437711.9	3724905	1.93E-03	3.81E-04	2.05E-03	2.11E-04
2861	437728.9	3724910	2.22E-03	4.38E-04	2.35E-03	2.42E-04
2862	437745.8	3724915	2.54E-03	5.02E-04	2.70E-03	2.78E-04
2863	437440.1	3724955	1.49E-03	2.95E-04	1.59E-03	1.63E-04
2864	437426.8	3724967	1.60E-03	3.16E-04	1.70E-03	1.75E-04
2865	437413.4	3724979	1.69E-03	3.35E-04	1.80E-03	1.85E-04
2866	437400.1	3724991	1.78E-03	3.51E-04	1.89E-03	1.94E-04
2867	437441.5	3724931	1.28E-03	2.53E-04	1.36E-03	1.40E-04
2868	437457.5	3724924	1.22E-03	2.41E-04	1.30E-03	1.34E-04
2869	437473.5	3724918	1.16E-03	2.29E-04	1.23E-03	1.27E-04
2870	437489.5	3724911	1.09E-03	2.16E-04	1.16E-03	1.20E-04
2871	437505.5	3724904	1.03E-03	2.04E-04	1.10E-03	1.13E-04
2872	437585.5	3724871	8.41E-04	1.66E-04	8.93E-04	9.20E-05
2873	437601.5	3724865	8.35E-04	1.65E-04	8.87E-04	9.14E-05
2874	437625.8	3724861	8.79E-04	1.74E-04	9.33E-04	9.61E-05
2875	437692.2	3724880	1.40E-03	2.77E-04	1.49E-03	1.53E-04
2876	437708.8	3724885	1.60E-03	3.16E-04	1.70E-03	1.75E-04
2877	437725.4	3724890	1.83E-03	3.61E-04	1.94E-03	2.00E-04
2878	437742	3724895	2.08E-03	4.11E-04	2.21E-03	2.28E-04
2879	437775.2	3724904	2.66E-03	5.26E-04	2.83E-03	2.91E-04
2880	437791.8	3724909	2.98E-03	5.89E-04	3.17E-03	3.26E-04
2881	437426.8	3724940	1.35E-03	2.67E-04	1.44E-03	1.48E-04
2882	437413.5	3724952	1.44E-03	2.85E-04	1.53E-03	1.58E-04
2883	437400.1	3724964	1.53E-03	3.01E-04	1.62E-03	1.67E-04
2884	437386.7	3724976	1.60E-03	3.15E-04	1.70E-03	1.75E-04
2885	437421.6	3724908	1.12E-03	2.21E-04	1.19E-03	1.22E-04
2886	437437.8	3724902	1.07E-03	2.11E-04	1.13E-03	1.17E-04
2887	437454	3724895	1.02E-03	2.01E-04	1.08E-03	1.11E-04
2888	437470.2	3724888	9.60E-04	1.90E-04	1.02E-03	1.05E-04
2889	437486.3	3724882	9.06E-04	1.79E-04	9.63E-04	9.91E-05
2890	437502.5	3724875	8.55E-04	1.69E-04	9.08E-04	9.35E-05
2891	437567.3	3724848	7.13E-04	1.41E-04	7.57E-04	7.80E-05
2892	437583.5	3724842	6.98E-04	1.38E-04	7.42E-04	7.64E-05
2893	437599.7	3724835	6.93E-04	1.37E-04	7.36E-04	7.58E-05
2894	437624.3	3724831	7.25E-04	1.43E-04	7.71E-04	7.94E-05
2895	437641.1	3724836	7.96E-04	1.57E-04	8.46E-04	8.71E-05
2896	437657.9	3724841	8.85E-04	1.75E-04	9.40E-04	9.68E-05
2897	437725.1	3724860	1.45E-03	2.86E-04	1.54E-03	1.58E-04
2898	437741.9	3724865	1.64E-03	3.25E-04	1.75E-03	1.80E-04
2899	437775.5	3724875	2.09E-03	4.14E-04	2.22E-03	2.29E-04
2900	437792.3	3724880	2.34E-03	4.63E-04	2.49E-03	2.56E-04
2901	437809.1	3724885	2.60E-03	5.14E-04	2.76E-03	2.85E-04
2902	437406.8	3724918	1.18E-03	2.33E-04	1.25E-03	1.29E-04
2903	437393.5	3724930	1.25E-03	2.47E-04	1.33E-03	1.37E-04
2904	437380.1	3724942	1.32E-03	2.60E-04	1.40E-03	1.44E-04
2905	437366.7	3724954	1.38E-03	2.72E-04	1.46E-03	1.50E-04
2906	437401.7	3724886	9.85E-04	1.95E-04	1.05E-03	1.08E-04

2907	437418	3724879	9.44E-04	1.87E-04	1.00E-03	1.03E-04
2908	437434.4	3724873	8.99E-04	1.78E-04	9.55E-04	9.84E-05
2909	437450.7	3724866	8.52E-04	1.68E-04	9.05E-04	9.33E-05
2910	437467.1	3724859	8.05E-04	1.59E-04	8.55E-04	8.81E-05
2911	437483.4	3724852	7.59E-04	1.50E-04	8.06E-04	8.30E-05
2912	437565.2	3724819	6.00E-04	1.19E-04	6.37E-04	6.56E-05
2913	437581.6	3724812	5.88E-04	1.16E-04	6.25E-04	6.44E-05
2914	437597.9	3724805	5.83E-04	1.15E-04	6.20E-04	6.38E-05
2915	437622.7	3724801	6.08E-04	1.20E-04	6.46E-04	6.65E-05
2916	437639.7	3724806	6.63E-04	1.31E-04	7.04E-04	7.25E-05
2917	437656.7	3724811	7.32E-04	1.44E-04	7.77E-04	8.00E-05
2918	437673.7	3724816	8.15E-04	1.61E-04	8.66E-04	8.92E-05
2919	437690.7	3724821	9.15E-04	1.81E-04	9.72E-04	1.00E-04
2920	437792.5	3724850	1.87E-03	3.69E-04	1.99E-03	2.04E-04
2921	437809.5	3724855	2.08E-03	4.10E-04	2.21E-03	2.27E-04
2922	437826.5	3724860	2.29E-03	4.53E-04	2.43E-03	2.51E-04
2923	437386.8	3724895	1.04E-03	2.05E-04	1.10E-03	1.13E-04
2924	437373.5	3724907	1.10E-03	2.17E-04	1.16E-03	1.20E-04
2925	437360.1	3724919	1.15E-03	2.27E-04	1.22E-03	1.26E-04
2926	437346.7	3724931	1.20E-03	2.37E-04	1.27E-03	1.31E-04
2927	437381.8	3724864	8.77E-04	1.73E-04	9.32E-04	9.60E-05
2928	437398.3	3724857	8.42E-04	1.66E-04	8.95E-04	9.22E-05
2929	437414.7	3724850	8.04E-04	1.59E-04	8.54E-04	8.80E-05
2930	437431.2	3724843	7.64E-04	1.51E-04	8.11E-04	8.35E-05
2931	437447.7	3724836	7.22E-04	1.43E-04	7.67E-04	7.90E-05
2932	437464.2	3724830	6.81E-04	1.35E-04	7.24E-04	7.45E-05
2933	437546.7	3724796	5.27E-04	1.04E-04	5.60E-04	5.77E-05
2934	437563.2	3724789	5.11E-04	1.01E-04	5.43E-04	5.60E-05
2935	437579.7	3724782	5.02E-04	9.91E-05	5.33E-04	5.49E-05
2936	437596.2	3724775	4.97E-04	9.82E-05	5.28E-04	5.44E-05
2937	437621.2	3724771	5.16E-04	1.02E-04	5.48E-04	5.65E-05
2938	437638.3	3724776	5.59E-04	1.10E-04	5.94E-04	6.12E-05
2939	437655.5	3724781	6.12E-04	1.21E-04	6.51E-04	6.70E-05
2940	437672.6	3724786	6.77E-04	1.34E-04	7.19E-04	7.41E-05
2941	437689.7	3724791	7.55E-04	1.49E-04	8.02E-04	8.26E-05
2942	437706.8	3724796	8.47E-04	1.67E-04	8.99E-04	9.26E-05
2943	437366.8	3724873	9.19E-04	1.82E-04	9.77E-04	1.01E-04
2944	437353.5	3724885	9.69E-04	1.91E-04	1.03E-03	1.06E-04
2945	437340.1	3724897	1.02E-03	2.01E-04	1.08E-03	1.11E-04
2946	437361.6	3724841	7.88E-04	1.56E-04	8.37E-04	8.62E-05
2947	437377.7	3724835	7.59E-04	1.50E-04	8.07E-04	8.31E-05
2948	437393.8	3724828	7.28E-04	1.44E-04	7.73E-04	7.96E-05
2949	437409.9	3724821	6.94E-04	1.37E-04	7.37E-04	7.59E-05
2950	437426	3724815	6.59E-04	1.30E-04	7.00E-04	7.21E-05
2951	437442	3724808	6.24E-04	1.23E-04	6.63E-04	6.82E-05
2952	437538.6	3724768	4.59E-04	9.07E-05	4.88E-04	5.03E-05
2953	437554.7	3724762	4.45E-04	8.80E-05	4.73E-04	4.87E-05
2954	437570.8	3724755	4.36E-04	8.60E-05	4.63E-04	4.77E-05
2955	437586.9	3724748	4.30E-04	8.49E-05	4.57E-04	4.70E-05
2956	437603	3724742	4.29E-04	8.46E-05	4.55E-04	4.69E-05
2957	437619.4	3724741	4.43E-04	8.75E-05	4.70E-04	4.84E-05
2958	437636.1	3724746	4.67E-04	9.22E-05	4.96E-04	5.11E-05

2959	437652.8	3724751	4.96E-04	9.80E-05	5.27E-04	5.43E-05
2960	437669.5	3724755	5.37E-04	1.06E-04	5.71E-04	5.88E-05
2961	437686.3	3724760	5.86E-04	1.16E-04	6.23E-04	6.41E-05
2962	437703	3724765	6.46E-04	1.28E-04	6.86E-04	7.07E-05
2963	437753.1	3724780	9.59E-04	1.89E-04	1.02E-03	1.05E-04
2964	437769.8	3724785	1.07E-03	2.12E-04	1.14E-03	1.17E-04
2965	437786.5	3724790	1.19E-03	2.36E-04	1.27E-03	1.31E-04
2966	437803.2	3724795	1.32E-03	2.61E-04	1.40E-03	1.45E-04
2967	437820	3724800	1.46E-03	2.88E-04	1.55E-03	1.59E-04
2968	437836.7	3724804	1.60E-03	3.16E-04	1.70E-03	1.75E-04
2969	437853.4	3724809	1.74E-03	3.44E-04	1.85E-03	1.91E-04
2970	437870.1	3724814	1.89E-03	3.73E-04	2.01E-03	2.07E-04
2971	437346.8	3724851	8.23E-04	1.63E-04	8.74E-04	9.00E-05
2972	437333.5	3724863	8.65E-04	1.71E-04	9.19E-04	9.46E-05
2973	437341.6	3724819	7.12E-04	1.41E-04	7.56E-04	7.79E-05
2974	437357.9	3724812	6.88E-04	1.36E-04	7.30E-04	7.52E-05
2975	437374.1	3724806	6.60E-04	1.30E-04	7.01E-04	7.22E-05
2976	437471.5	3724765	4.81E-04	9.51E-05	5.11E-04	5.27E-05
2977	437487.7	3724759	4.56E-04	9.01E-05	4.84E-04	4.99E-05
2978	437504	3724752	4.34E-04	8.56E-05	4.61E-04	4.74E-05
2979	437520.2	3724745	4.15E-04	8.19E-05	4.40E-04	4.54E-05
2980	437536.4	3724739	3.99E-04	7.89E-05	4.24E-04	4.37E-05
2981	437552.6	3724732	3.88E-04	7.66E-05	4.12E-04	4.24E-05
2982	437568.9	3724725	3.79E-04	7.49E-05	4.03E-04	4.15E-05
2983	437585.1	3724718	3.75E-04	7.40E-05	3.98E-04	4.10E-05
2984	437601.3	3724712	3.73E-04	7.37E-05	3.97E-04	4.08E-05
2985	437617.9	3724711	3.77E-04	7.44E-05	4.00E-04	4.12E-05
2986	437634.7	3724716	3.88E-04	7.67E-05	4.12E-04	4.25E-05
2987	437651.6	3724721	4.07E-04	8.04E-05	4.32E-04	4.45E-05
2988	437668.4	3724726	4.35E-04	8.59E-05	4.62E-04	4.76E-05
2989	437735.9	3724745	6.50E-04	1.28E-04	6.91E-04	7.11E-05
2990	437752.7	3724750	7.29E-04	1.44E-04	7.75E-04	7.98E-05
2991	437769.6	3724755	8.08E-04	1.60E-04	8.58E-04	8.84E-05
2992	437786.4	3724760	9.26E-04	1.83E-04	9.84E-04	1.01E-04
2993	437803.3	3724765	1.07E-03	2.11E-04	1.13E-03	1.17E-04
2994	437820.1	3724770	1.20E-03	2.37E-04	1.28E-03	1.31E-04
2995	437853.8	3724780	1.44E-03	2.85E-04	1.53E-03	1.58E-04
2996	437870.7	3724785	1.56E-03	3.09E-04	1.66E-03	1.71E-04
2997	437887.5	3724790	1.69E-03	3.34E-04	1.79E-03	1.85E-04
2998	437326.8	3724828	7.42E-04	1.47E-04	7.88E-04	8.12E-05
2999	437313.5	3724840	7.78E-04	1.54E-04	8.26E-04	8.51E-05
3000	437321.7	3724797	6.49E-04	1.28E-04	6.89E-04	7.10E-05
3001	437338.1	3724790	6.27E-04	1.24E-04	6.66E-04	6.86E-05
3002	437436.2	3724749	4.69E-04	9.26E-05	4.98E-04	5.13E-05
3003	437452.5	3724743	4.43E-04	8.75E-05	4.71E-04	4.85E-05
3004	437468.9	3724736	4.19E-04	8.28E-05	4.45E-04	4.59E-05
3005	437485.2	3724729	3.98E-04	7.86E-05	4.23E-04	4.36E-05
3006	437501.6	3724722	3.79E-04	7.49E-05	4.03E-04	4.15E-05
3007	437517.9	3724716	3.63E-04	7.18E-05	3.86E-04	3.97E-05
3008	437534.3	3724709	3.50E-04	6.92E-05	3.72E-04	3.83E-05
3009	437550.6	3724702	3.41E-04	6.73E-05	3.62E-04	3.73E-05
3010	437567	3724695	3.34E-04	6.60E-05	3.55E-04	3.65E-05

3011	437583.3	3724689	3.30E-04	6.51E-05	3.50E-04	3.61E-05
3012	437599.7	3724682	3.28E-04	6.47E-05	3.48E-04	3.58E-05
3013	437616.4	3724681	3.24E-04	6.41E-05	3.45E-04	3.55E-05
3014	437684.3	3724701	3.92E-04	7.75E-05	4.17E-04	4.29E-05
3015	437701.2	3724706	4.28E-04	8.46E-05	4.55E-04	4.69E-05
3016	437718.2	3724711	4.72E-04	9.31E-05	5.01E-04	5.16E-05
3017	437735.2	3724716	5.21E-04	1.03E-04	5.53E-04	5.70E-05
3018	437752.2	3724721	5.87E-04	1.16E-04	6.23E-04	6.42E-05
3019	437769.1	3724726	6.62E-04	1.31E-04	7.03E-04	7.24E-05
3020	437786.1	3724731	7.48E-04	1.48E-04	7.95E-04	8.19E-05
3021	437871	3724755	1.30E-03	2.58E-04	1.39E-03	1.43E-04
3022	437888	3724760	1.41E-03	2.79E-04	1.50E-03	1.54E-04
3023	437905	3724765	1.52E-03	3.00E-04	1.61E-03	1.66E-04
3024	437306.8	3724806	6.74E-04	1.33E-04	7.16E-04	7.38E-05
3025	437301.8	3724774	5.94E-04	1.17E-04	6.31E-04	6.50E-05
3026	437400.5	3724733	4.58E-04	9.05E-05	4.87E-04	5.01E-05
3027	437417	3724727	4.34E-04	8.57E-05	4.61E-04	4.75E-05
3028	437433.4	3724720	4.11E-04	8.11E-05	4.36E-04	4.49E-05
3029	437449.9	3724713	3.89E-04	7.68E-05	4.13E-04	4.25E-05
3030	437466.4	3724706	3.68E-04	7.28E-05	3.91E-04	4.03E-05
3031	437482.8	3724699	3.50E-04	6.92E-05	3.72E-04	3.83E-05
3032	437499.3	3724693	3.34E-04	6.61E-05	3.55E-04	3.66E-05
3033	437515.7	3724686	3.21E-04	6.35E-05	3.41E-04	3.51E-05
3034	437532.2	3724679	3.10E-04	6.13E-05	3.30E-04	3.39E-05
3035	437548.7	3724672	3.02E-04	5.97E-05	3.21E-04	3.30E-05
3036	437565.1	3724665	2.96E-04	5.85E-05	3.15E-04	3.24E-05
3037	437581.6	3724659	2.93E-04	5.78E-05	3.11E-04	3.20E-05
3038	437598	3724652	2.83E-04	5.59E-05	3.00E-04	3.09E-05
3039	437649	3724661	2.98E-04	5.89E-05	3.17E-04	3.26E-05
3040	437666.1	3724666	3.18E-04	6.28E-05	3.38E-04	3.48E-05
3041	437683.2	3724671	3.40E-04	6.72E-05	3.61E-04	3.72E-05
3042	437700.3	3724676	3.65E-04	7.21E-05	3.88E-04	3.99E-05
3043	437717.3	3724681	3.99E-04	7.87E-05	4.23E-04	4.36E-05
3044	437734.4	3724686	4.39E-04	8.68E-05	4.67E-04	4.81E-05
3045	437751.5	3724691	4.92E-04	9.71E-05	5.22E-04	5.38E-05
3046	437888.2	3724731	1.19E-03	2.35E-04	1.26E-03	1.30E-04
3047	437905.3	3724736	1.28E-03	2.53E-04	1.36E-03	1.40E-04
3048	437922.4	3724741	1.37E-03	2.71E-04	1.46E-03	1.50E-04
3049	437381.2	3724711	4.26E-04	8.42E-05	4.53E-04	4.66E-05
3050	437397.7	3724704	4.04E-04	7.99E-05	4.30E-04	4.42E-05
3051	437414.3	3724697	3.83E-04	7.57E-05	4.07E-04	4.19E-05
3052	437430.8	3724690	3.63E-04	7.17E-05	3.85E-04	3.97E-05
3053	437447.4	3724683	3.44E-04	6.79E-05	3.65E-04	3.76E-05
3054	437463.9	3724677	3.26E-04	6.45E-05	3.47E-04	3.57E-05
3055	437480.5	3724670	3.11E-04	6.14E-05	3.30E-04	3.40E-05
3056	437497.1	3724663	2.97E-04	5.87E-05	3.16E-04	3.25E-05
3057	437513.6	3724656	2.86E-04	5.65E-05	3.04E-04	3.13E-05
3058	437530.2	3724649	2.77E-04	5.47E-05	2.94E-04	3.03E-05
3059	437699.2	3724646	3.25E-04	6.42E-05	3.45E-04	3.55E-05
3060	437716.4	3724651	3.53E-04	6.97E-05	3.75E-04	3.86E-05
3061	437785.2	3724671	5.53E-04	1.09E-04	5.87E-04	6.05E-05
3062	437793.7	3724674	5.89E-04	1.16E-04	6.25E-04	6.44E-05

3063	437810.9	3724679	6.65E-04	1.31E-04	7.06E-04	7.27E-05
3064	437828.1	3724684	7.53E-04	1.49E-04	8.00E-04	8.24E-05
3065	437845.3	3724689	8.23E-04	1.62E-04	8.74E-04	9.00E-05
3066	437862.5	3724694	8.95E-04	1.77E-04	9.51E-04	9.80E-05
3067	437879.7	3724699	9.70E-04	1.92E-04	1.03E-03	1.06E-04
3068	437914.1	3724709	1.10E-03	2.18E-04	1.17E-03	1.21E-04
3069	437931.3	3724714	1.16E-03	2.30E-04	1.24E-03	1.27E-04
3070	437359.2	3724689	4.01E-04	7.93E-05	4.26E-04	4.39E-05
3071	437375.5	3724682	3.82E-04	7.55E-05	4.06E-04	4.18E-05
3072	437391.7	3724676	3.63E-04	7.17E-05	3.85E-04	3.97E-05
3073	437408	3724669	3.44E-04	6.80E-05	3.66E-04	3.77E-05
3074	437424.2	3724662	3.27E-04	6.46E-05	3.47E-04	3.58E-05
3075	437440.5	3724656	3.10E-04	6.13E-05	3.30E-04	3.39E-05
3076	437780.3	3724640	4.68E-04	9.24E-05	4.97E-04	5.12E-05
3077	437797.2	3724645	5.26E-04	1.04E-04	5.58E-04	5.75E-05
3078	437814	3724650	5.91E-04	1.17E-04	6.27E-04	6.46E-05
3079	437830.9	3724655	6.57E-04	1.30E-04	6.98E-04	7.19E-05
3080	437847.8	3724660	7.14E-04	1.41E-04	7.58E-04	7.81E-05
3081	437864.7	3724665	7.68E-04	1.52E-04	8.16E-04	8.40E-05
3082	437881.6	3724670	8.18E-04	1.62E-04	8.69E-04	8.95E-05
3083	437898.4	3724675	8.71E-04	1.72E-04	9.25E-04	9.53E-05
3084	437290.8	3724687	4.28E-04	8.45E-05	4.54E-04	4.68E-05
3085	437307.1	3724680	4.12E-04	8.13E-05	4.37E-04	4.50E-05
3086	437323.5	3724673	3.94E-04	7.79E-05	4.19E-04	4.32E-05
3087	437339.8	3724667	3.77E-04	7.44E-05	4.00E-04	4.12E-05
3088	437356.2	3724660	3.59E-04	7.09E-05	3.81E-04	3.93E-05
3089	437372.5	3724653	3.41E-04	6.74E-05	3.63E-04	3.74E-05
3090	437881.6	3724641	6.94E-04	1.37E-04	7.37E-04	7.59E-05
3091	437264.1	3724657	3.94E-04	7.77E-05	4.18E-04	4.30E-05
3092	437280.5	3724650	3.79E-04	7.49E-05	4.03E-04	4.15E-05
3093	437296.8	3724644	3.64E-04	7.20E-05	3.87E-04	3.99E-05
3094	437313.2	3724637	3.49E-04	6.89E-05	3.71E-04	3.82E-05
3095	437329.5	3724630	3.33E-04	6.59E-05	3.54E-04	3.65E-05
3096	437345.9	3724623	3.18E-04	6.28E-05	3.38E-04	3.48E-05
3097	437160.1	3724722	4.88E-04	9.64E-05	5.18E-04	5.34E-05
3098	437253.8	3724620	3.51E-04	6.94E-05	3.73E-04	3.84E-05
3099	437270.2	3724614	3.38E-04	6.68E-05	3.59E-04	3.70E-05
3100	437286.5	3724607	3.25E-04	6.42E-05	3.45E-04	3.55E-05
3101	437302.9	3724600	3.11E-04	6.14E-05	3.30E-04	3.40E-05
3102	437319.2	3724593	2.97E-04	5.87E-05	3.16E-04	3.25E-05
3103	437133.5	3724693	4.46E-04	8.81E-05	4.74E-04	4.88E-05
3104	437120.2	3724651	4.00E-04	7.90E-05	4.25E-04	4.37E-05
3105	437106.8	3724663	4.09E-04	8.08E-05	4.35E-04	4.48E-05
3106	437106.9	3724609	3.61E-04	7.12E-05	3.83E-04	3.95E-05
3107	437093.5	3724621	3.70E-04	7.31E-05	3.93E-04	4.05E-05
3108	437080.1	3724633	3.79E-04	7.48E-05	4.02E-04	4.14E-05
3109	437080.2	3724579	3.36E-04	6.63E-05	3.57E-04	3.67E-05
3110	437066.9	3724591	3.44E-04	6.80E-05	3.66E-04	3.76E-05
3111	437053.5	3724603	3.52E-04	6.96E-05	3.74E-04	3.85E-05
3112	437000.2	3724544	3.09E-04	6.10E-05	3.28E-04	3.38E-05
3113	436986.9	3724502	2.86E-04	5.64E-05	3.04E-04	3.13E-05
3114	436973.5	3724514	2.92E-04	5.76E-05	3.10E-04	3.19E-05

3115	436986.9	3724448	2.58E-04	5.09E-05	2.74E-04	2.82E-05
3116	436973.6	3724460	2.64E-04	5.21E-05	2.80E-04	2.89E-05
3117	436960.2	3724472	2.70E-04	5.33E-05	2.87E-04	2.95E-05
3118	436946.9	3724484	2.76E-04	5.44E-05	2.93E-04	3.01E-05
3119	436975.1	3724409	2.40E-04	4.74E-05	2.55E-04	2.63E-05
3120	436960.3	3724418	2.45E-04	4.84E-05	2.60E-04	2.68E-05
3121	436946.9	3724430	2.51E-04	4.96E-05	2.67E-04	2.75E-05
3122	436933.6	3724442	2.56E-04	5.06E-05	2.72E-04	2.80E-05
3123	436920.2	3724454	2.61E-04	5.15E-05	2.77E-04	2.85E-05
3124	437537.8	3725190	1.87E-02	3.70E-03	1.99E-02	2.05E-03
3125	437530.5	3725196	1.84E-02	3.64E-03	1.96E-02	2.02E-03
3126	437523.1	3725203	1.79E-02	3.54E-03	1.91E-02	1.96E-03
3127	437538.5	3725176	1.55E-02	3.07E-03	1.65E-02	1.70E-03
3128	437531.1	3725182	1.56E-02	3.07E-03	1.65E-02	1.70E-03
3129	437523.8	3725189	1.54E-02	3.04E-03	1.64E-02	1.69E-03
3130	437516.5	3725196	1.51E-02	2.98E-03	1.60E-02	1.65E-03
3131	437531.8	3725168	1.31E-02	2.59E-03	1.39E-02	1.44E-03
3132	437524.4	3725175	1.32E-02	2.60E-03	1.40E-02	1.44E-03
3133	437517.1	3725182	1.31E-02	2.59E-03	1.39E-02	1.43E-03
3134	437509.8	3725188	1.29E-02	2.55E-03	1.37E-02	1.41E-03
3135	437525.1	3725161	1.13E-02	2.23E-03	1.20E-02	1.23E-03
3136	437517.7	3725167	1.13E-02	2.24E-03	1.21E-02	1.24E-03
3137	437510.4	3725174	1.13E-02	2.23E-03	1.20E-02	1.24E-03
3138	437503.1	3725181	1.12E-02	2.20E-03	1.19E-02	1.22E-03
3139	437518.4	3725153	9.80E-03	1.94E-03	1.04E-02	1.07E-03
3140	437511	3725160	9.88E-03	1.95E-03	1.05E-02	1.08E-03
3141	437503.7	3725167	9.87E-03	1.95E-03	1.05E-02	1.08E-03
3142	437496.4	3725173	9.78E-03	1.93E-03	1.04E-02	1.07E-03
3143	437489	3725180	9.61E-03	1.90E-03	1.02E-02	1.05E-03
3144	437519	3725139	8.46E-03	1.67E-03	8.98E-03	9.25E-04
3145	437511.7	3725146	8.61E-03	1.70E-03	9.14E-03	9.42E-04
3146	437504.3	3725153	8.69E-03	1.72E-03	9.23E-03	9.51E-04
3147	437497	3725159	8.70E-03	1.72E-03	9.25E-03	9.52E-04
3148	437489.7	3725166	8.64E-03	1.71E-03	9.18E-03	9.46E-04
3149	437482.3	3725173	8.52E-03	1.68E-03	9.05E-03	9.32E-04
3150	437512.3	3725132	7.49E-03	1.48E-03	7.95E-03	8.19E-04
3151	437505	3725139	7.63E-03	1.51E-03	8.10E-03	8.34E-04
3152	437497.6	3725145	7.71E-03	1.52E-03	8.19E-03	8.44E-04
3153	437490.3	3725152	7.73E-03	1.53E-03	8.21E-03	8.46E-04
3154	437483	3725158	7.70E-03	1.52E-03	8.17E-03	8.42E-04
3155	437475.6	3725165	7.60E-03	1.50E-03	8.08E-03	8.32E-04
3156	437498.9	3725117	6.00E-03	1.18E-03	6.37E-03	6.56E-04
3157	437491.6	3725124	6.12E-03	1.21E-03	6.50E-03	6.70E-04
3158	437484.3	3725130	6.20E-03	1.22E-03	6.58E-03	6.78E-04
3159	437422	3725106	3.67E-03	7.24E-04	3.89E-03	4.01E-04
3160	437414.7	3725112	3.65E-03	7.20E-04	3.87E-03	3.99E-04
3161	437423.3	3725078	3.14E-03	6.21E-04	3.34E-03	3.44E-04
3162	437416	3725084	3.16E-03	6.24E-04	3.36E-03	3.46E-04
3163	437408.6	3725091	3.16E-03	6.24E-04	3.36E-03	3.46E-04
3164	437432	3725043	2.62E-03	5.18E-04	2.78E-03	2.87E-04
3165	437424.6	3725049	2.67E-03	5.27E-04	2.84E-03	2.92E-04
3166	437417.3	3725056	2.71E-03	5.35E-04	2.88E-03	2.96E-04

3167	437409.9	3725063	2.73E-03	5.40E-04	2.91E-03	2.99E-04
3168	437402.6	3725069	2.75E-03	5.44E-04	2.92E-03	3.01E-04
3169	437395.2	3725076	2.76E-03	5.45E-04	2.93E-03	3.02E-04
3170	437387.9	3725083	2.75E-03	5.44E-04	2.93E-03	3.01E-04
3171	437418.6	3725028	2.30E-03	4.55E-04	2.45E-03	2.52E-04
3172	437411.2	3725035	2.34E-03	4.63E-04	2.49E-03	2.56E-04
3173	437403.9	3725041	2.38E-03	4.70E-04	2.53E-03	2.60E-04
3174	437396.5	3725048	2.40E-03	4.75E-04	2.55E-03	2.63E-04
3175	437389.2	3725055	2.42E-03	4.78E-04	2.57E-03	2.65E-04
3176	437381.8	3725061	2.43E-03	4.79E-04	2.58E-03	2.65E-04
3177	437405.2	3725013	2.04E-03	4.03E-04	2.17E-03	2.23E-04
3178	437397.8	3725020	2.08E-03	4.10E-04	2.20E-03	2.27E-04
3179	437390.5	3725026	2.11E-03	4.16E-04	2.24E-03	2.30E-04
3180	437383.1	3725033	2.13E-03	4.20E-04	2.26E-03	2.33E-04
3181	437375.8	3725040	2.14E-03	4.23E-04	2.28E-03	2.35E-04
3182	437391.8	3724998	1.82E-03	3.59E-04	1.93E-03	1.99E-04
3183	437384.4	3725005	1.85E-03	3.66E-04	1.97E-03	2.03E-04
3184	437377.1	3725012	1.88E-03	3.71E-04	1.99E-03	2.05E-04
3185	437369.7	3725018	1.90E-03	3.75E-04	2.02E-03	2.08E-04
3186	437347.7	3725038	1.93E-03	3.80E-04	2.05E-03	2.11E-04
3187	437378.4	3724983	1.63E-03	3.23E-04	1.74E-03	1.79E-04
3188	437371	3724990	1.66E-03	3.28E-04	1.77E-03	1.82E-04
3189	437341.6	3725017	1.73E-03	3.42E-04	1.84E-03	1.89E-04
3190	437334.3	3725023	1.74E-03	3.43E-04	1.84E-03	1.90E-04
3191	437358.3	3724961	1.41E-03	2.78E-04	1.49E-03	1.54E-04
3192	437328.9	3724988	1.48E-03	2.93E-04	1.57E-03	1.62E-04
3193	437321.5	3724994	1.49E-03	2.95E-04	1.58E-03	1.63E-04
3194	437314.2	3725001	1.50E-03	2.95E-04	1.59E-03	1.64E-04
3195	437316.1	3724959	1.28E-03	2.53E-04	1.36E-03	1.40E-04
3196	437308.8	3724965	1.29E-03	2.55E-04	1.37E-03	1.41E-04
3197	437301.5	3724972	1.30E-03	2.56E-04	1.38E-03	1.42E-04
3198	437294.1	3724979	1.30E-03	2.57E-04	1.38E-03	1.42E-04
3199	437310.7	3724923	1.10E-03	2.17E-04	1.16E-03	1.20E-04
3200	437303.4	3724930	1.11E-03	2.20E-04	1.18E-03	1.22E-04
3201	437296	3724937	1.12E-03	2.22E-04	1.19E-03	1.23E-04
3202	437288.7	3724943	1.13E-03	2.24E-04	1.20E-03	1.24E-04
3203	437281.4	3724950	1.14E-03	2.25E-04	1.21E-03	1.25E-04
3204	437274	3724956	1.14E-03	2.25E-04	1.21E-03	1.25E-04
3205	437290.6	3724901	9.74E-04	1.92E-04	1.03E-03	1.07E-04
3206	437283.3	3724908	9.86E-04	1.95E-04	1.05E-03	1.08E-04
3207	437276	3724914	9.96E-04	1.97E-04	1.06E-03	1.09E-04
3208	437268.6	3724921	1.00E-03	1.98E-04	1.07E-03	1.10E-04
3209	437261.3	3724927	1.01E-03	1.99E-04	1.07E-03	1.10E-04
3210	437253.9	3724934	1.00E-03	1.98E-04	1.07E-03	1.10E-04
3211	437270.5	3724879	8.72E-04	1.72E-04	9.26E-04	9.54E-05
3212	437263.2	3724885	8.82E-04	1.74E-04	9.37E-04	9.65E-05
3213	437255.9	3724892	8.91E-04	1.76E-04	9.46E-04	9.74E-05
3214	437248.5	3724899	8.98E-04	1.77E-04	9.54E-04	9.82E-05
3215	437241.2	3724905	8.99E-04	1.77E-04	9.55E-04	9.83E-05
3216	437233.8	3724912	8.97E-04	1.77E-04	9.53E-04	9.81E-05
3217	437250.4	3724856	7.86E-04	1.55E-04	8.35E-04	8.60E-05
3218	437243.1	3724863	7.95E-04	1.57E-04	8.45E-04	8.70E-05

3219	437235.8	3724870	8.03E-04	1.59E-04	8.53E-04	8.79E-05
3220	437228.4	3724876	8.09E-04	1.60E-04	8.59E-04	8.85E-05
3221	437221.1	3724883	8.12E-04	1.60E-04	8.62E-04	8.88E-05
3222	437213.7	3724890	8.14E-04	1.61E-04	8.65E-04	8.91E-05
3223	437230.4	3724834	7.14E-04	1.41E-04	7.58E-04	7.81E-05
3224	437223	3724841	7.22E-04	1.43E-04	7.67E-04	7.90E-05
3225	437215.7	3724847	7.29E-04	1.44E-04	7.75E-04	7.98E-05
3226	437208.3	3724854	7.35E-04	1.45E-04	7.81E-04	8.04E-05
3227	437201	3724861	7.38E-04	1.46E-04	7.84E-04	8.07E-05
3228	437193.6	3724867	7.45E-04	1.47E-04	7.92E-04	8.15E-05
3229	437210.3	3724812	6.52E-04	1.29E-04	6.93E-04	7.14E-05
3230	437202.9	3724819	6.60E-04	1.30E-04	7.01E-04	7.22E-05
3231	437195.6	3724825	6.66E-04	1.32E-04	7.08E-04	7.29E-05
3232	437188.2	3724832	6.72E-04	1.33E-04	7.14E-04	7.36E-05
3233	437180.9	3724838	6.78E-04	1.34E-04	7.20E-04	7.42E-05
3234	437173.5	3724845	6.82E-04	1.35E-04	7.25E-04	7.46E-05
3235	437197.5	3724783	5.92E-04	1.17E-04	6.29E-04	6.48E-05
3236	437190.2	3724790	6.00E-04	1.18E-04	6.37E-04	6.56E-05
3237	437182.8	3724796	6.07E-04	1.20E-04	6.44E-04	6.64E-05
3238	437175.5	3724803	6.13E-04	1.21E-04	6.51E-04	6.70E-05
3239	437168.1	3724809	6.18E-04	1.22E-04	6.57E-04	6.76E-05
3240	437160.8	3724816	6.23E-04	1.23E-04	6.62E-04	6.82E-05
3241	437153.4	3724823	6.27E-04	1.24E-04	6.66E-04	6.86E-05
3242	437177.4	3724761	5.47E-04	1.08E-04	5.82E-04	5.99E-05
3243	437170.1	3724767	5.54E-04	1.09E-04	5.89E-04	6.06E-05
3244	437162.7	3724774	5.60E-04	1.11E-04	5.95E-04	6.13E-05
3245	437155.4	3724781	5.66E-04	1.12E-04	6.01E-04	6.19E-05
3246	437148	3724787	5.71E-04	1.13E-04	6.07E-04	6.25E-05
3247	437140.7	3724794	5.75E-04	1.14E-04	6.11E-04	6.29E-05
3248	437133.3	3724800	5.79E-04	1.14E-04	6.15E-04	6.33E-05
3249	437150.6	3724731	4.96E-04	9.80E-05	5.27E-04	5.43E-05
3250	437143.3	3724738	5.02E-04	9.92E-05	5.33E-04	5.49E-05
3251	437135.9	3724744	5.08E-04	1.00E-04	5.39E-04	5.55E-05
3252	437128.6	3724751	5.12E-04	1.01E-04	5.44E-04	5.61E-05
3253	437121.2	3724758	5.17E-04	1.02E-04	5.49E-04	5.65E-05
3254	437113.9	3724764	5.20E-04	1.03E-04	5.53E-04	5.69E-05
3255	437106.6	3724771	5.24E-04	1.03E-04	5.56E-04	5.73E-05
3256	437123.8	3724701	4.53E-04	8.94E-05	4.81E-04	4.95E-05
3257	437116.5	3724708	4.58E-04	9.05E-05	4.86E-04	5.01E-05
3258	437109.1	3724715	4.62E-04	9.13E-05	4.91E-04	5.06E-05
3259	437101.8	3724721	4.67E-04	9.22E-05	4.96E-04	5.11E-05
3260	437094.4	3724728	4.71E-04	9.30E-05	5.00E-04	5.15E-05
3261	437087.1	3724734	4.75E-04	9.38E-05	5.04E-04	5.19E-05
3262	437079.8	3724741	4.78E-04	9.44E-05	5.08E-04	5.23E-05
3263	437097	3724672	4.16E-04	8.22E-05	4.42E-04	4.55E-05
3264	437089.7	3724678	4.21E-04	8.31E-05	4.47E-04	4.60E-05
3265	437082.3	3724685	4.25E-04	8.40E-05	4.52E-04	4.65E-05
3266	437075	3724691	4.29E-04	8.47E-05	4.56E-04	4.69E-05
3267	437067.7	3724698	4.33E-04	8.55E-05	4.60E-04	4.74E-05
3268	437060.3	3724705	4.36E-04	8.62E-05	4.63E-04	4.77E-05
3269	437053	3724711	4.39E-04	8.68E-05	4.67E-04	4.81E-05
3270	437070.2	3724642	3.85E-04	7.60E-05	4.09E-04	4.21E-05

3271	437062.9	3724649	3.89E-04	7.69E-05	4.13E-04	4.26E-05
3272	437055.5	3724655	3.93E-04	7.77E-05	4.18E-04	4.30E-05
3273	437048.2	3724662	3.97E-04	7.84E-05	4.22E-04	4.34E-05
3274	437040.9	3724668	4.00E-04	7.91E-05	4.25E-04	4.38E-05
3275	437033.5	3724675	4.03E-04	7.97E-05	4.29E-04	4.41E-05
3276	437026.2	3724682	4.06E-04	8.03E-05	4.32E-04	4.45E-05
3277	437043.4	3724612	3.58E-04	7.07E-05	3.80E-04	3.91E-05
3278	437036.1	3724619	3.62E-04	7.14E-05	3.84E-04	3.96E-05
3279	437028.8	3724625	3.65E-04	7.22E-05	3.88E-04	4.00E-05
3280	437021.4	3724632	3.69E-04	7.28E-05	3.92E-04	4.03E-05
3281	437014.1	3724639	3.72E-04	7.34E-05	3.95E-04	4.07E-05
3282	437016.6	3724583	3.34E-04	6.59E-05	3.54E-04	3.65E-05
3283	437009.3	3724589	3.37E-04	6.66E-05	3.58E-04	3.69E-05
3284	437002	3724596	3.40E-04	6.73E-05	3.62E-04	3.72E-05
3285	436994.6	3724602	3.43E-04	6.78E-05	3.65E-04	3.76E-05
3286	436987.3	3724609	3.46E-04	6.84E-05	3.68E-04	3.79E-05
3287	436979.9	3724616	3.49E-04	6.89E-05	3.70E-04	3.82E-05
3288	436972.6	3724622	3.51E-04	6.93E-05	3.73E-04	3.84E-05
3289	436989.9	3724553	3.13E-04	6.18E-05	3.32E-04	3.42E-05
3290	436982.5	3724559	3.16E-04	6.24E-05	3.36E-04	3.46E-05
3291	436975.2	3724566	3.19E-04	6.30E-05	3.39E-04	3.49E-05
3292	436967.8	3724573	3.22E-04	6.35E-05	3.42E-04	3.52E-05
3293	436960.5	3724579	3.24E-04	6.40E-05	3.44E-04	3.54E-05
3294	436953.1	3724586	3.26E-04	6.45E-05	3.47E-04	3.57E-05
3295	436945.8	3724593	3.28E-04	6.48E-05	3.49E-04	3.59E-05
3296	436963.1	3724523	2.96E-04	5.85E-05	3.14E-04	3.24E-05
3297	436955.7	3724530	2.99E-04	5.90E-05	3.17E-04	3.27E-05
3298	436948.4	3724536	3.01E-04	5.95E-05	3.20E-04	3.30E-05
3299	436941	3724543	3.04E-04	6.00E-05	3.23E-04	3.32E-05
3300	436933.7	3724550	3.06E-04	6.04E-05	3.25E-04	3.35E-05
3301	436936.3	3724493	2.80E-04	5.52E-05	2.97E-04	3.06E-05
3302	436928.9	3724500	2.82E-04	5.58E-05	3.00E-04	3.09E-05
3303	436921.6	3724507	2.85E-04	5.63E-05	3.03E-04	3.12E-05
3304	436909.5	3724464	2.65E-04	5.23E-05	2.81E-04	2.89E-05
3305	436902.1	3724470	2.67E-04	5.27E-05	2.84E-04	2.92E-05

PM 10				
Tons/Yr	T2	T2L3	T3	T4f
Year 1	0.2411	0.04762	0.2561	0.026375
Year 2	0.0037585	0.000472	0.002191	0.00016
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
Lbs /Yr	T2	T2L3	T3	T4f
Year 1	482.2	95.24	512.2	52.75
Year 2	7.517	0.944	4.381	0.32
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
% Chng	T2	T2L3	T3	T4f
Year 1	100%	20%	106%	11%
Year 2	100%	13%	58%	4%
Year 3	0%	0%	0%	0%
Year 4	0%	0%	0%	0%

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/21/2024
** File: D:\LSA\2024\CLF2101.4A\Construction\Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2024\CLF2101.4A\Construction\Construction.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 3010232 Orange
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL Construction.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   437562.555  3725256.992      207.500
** Source Parameters **
   SRCPARAM CONST        0.000045313     3.048        18
   AREAVERT CONST        437562.555 3725256.992 437642.144 3725348.006
   AREAVERT CONST        437699.646 3725396.369 437733.538 3725356.003
   AREAVERT CONST        437741.916 3725309.163 437747.473 3725279.370
   AREAVERT CONST        437743.696 3725266.448 437727.792 3725243.388
   AREAVERT CONST        437697.973 3725222.912 437665.569 3725205.617
   AREAVERT CONST        437640.919 3725187.726 437638.136 3725186.732
   AREAVERT CONST        437634.557 3725186.334 437630.979 3725186.931
   AREAVERT CONST        437629.190 3725188.919 437563.787 3725246.967
   AREAVERT CONST        437562.196 3725251.539 437562.196 3725254.720
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP CONST    CONST
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Construction.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC
   PROFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
   SURFDATA 93184 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 170.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST 1ST Construction.AD\01H1G001.PLT 31
   PLOTFILE PERIOD CONST Construction.AD\PE00G001.PLT 32
   SUMMFILE Construction.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***
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 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of            0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186      91       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187      91       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- -

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 3010232.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 3432 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

```
**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   170.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      3.9 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   Construction.err
**File for Summary of Results:   Construction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.45313E-04	437562.6	3725257.0	207.5	3.05	18	0.00	YES	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	3010232.	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437235.3,	3725540.6,	209.2,	242.0,	0.0);	(437200.4,	3725546.6,	211.3,	242.0,	0.0);
(437206.7,	3725553.6,	211.4,	242.0,	0.0);	(437213.0,	3725560.6,	211.7,	242.0,	0.0);
(437174.9,	3725557.7,	212.5,	242.0,	0.0);	(437171.8,	3725548.9,	212.4,	242.0,	0.0);
(437149.6,	3725569.1,	214.7,	242.0,	0.0);	(437146.5,	3725560.4,	214.4,	242.0,	0.0);
(437143.4,	3725551.6,	214.3,	242.0,	0.0);	(437155.7,	3725586.6,	215.9,	242.0,	0.0);
(437162.1,	3725593.7,	215.8,	242.0,	0.0);	(437168.4,	3725600.7,	215.8,	242.0,	0.0);
(437130.3,	3725597.8,	219.4,	242.0,	0.0);	(437120.9,	3725571.3,	217.3,	242.0,	0.0);
(437117.8,	3725562.5,	216.9,	242.0,	0.0);	(437114.7,	3725553.6,	216.4,	242.0,	0.0);
(437133.4,	3725606.7,	219.9,	242.0,	0.0);	(437139.7,	3725613.7,	220.2,	242.0,	0.0);
(437146.1,	3725620.8,	220.1,	242.0,	0.0);	(437108.0,	3725618.0,	221.5,	242.0,	0.0);
(437104.9,	3725609.2,	221.0,	242.0,	0.0);	(437101.8,	3725600.5,	220.6,	242.0,	0.0);
(437092.6,	3725574.3,	219.1,	242.0,	0.0);	(437089.5,	3725565.5,	218.6,	242.0,	0.0);
(437086.4,	3725556.8,	217.8,	242.0,	0.0);	(437085.6,	3725637.9,	223.9,	242.0,	0.0);
(437082.5,	3725629.1,	223.2,	242.0,	0.0);	(437079.4,	3725620.3,	222.6,	242.0,	0.0);
(437076.3,	3725611.5,	222.0,	242.0,	0.0);	(437073.2,	3725602.6,	221.4,	242.0,	0.0);
(437063.8,	3725576.2,	219.3,	242.0,	0.0);	(437060.7,	3725567.3,	218.5,	242.0,	0.0);
(437057.6,	3725558.5,	217.7,	242.0,	0.0);	(437101.4,	3725660.8,	225.1,	242.0,	0.0);
(437055.9,	3725664.6,	227.4,	242.0,	0.0);	(437052.7,	3725655.8,	226.0,	242.0,	0.0);
(437043.3,	3725629.1,	223.5,	242.0,	0.0);	(437040.2,	3725620.3,	222.9,	242.0,	0.0);
(437037.1,	3725611.4,	222.2,	242.0,	0.0);	(437034.0,	3725602.5,	221.5,	242.0,	0.0);
(437024.5,	3725575.9,	219.5,	242.0,	0.0);	(437021.4,	3725567.1,	219.0,	242.0,	0.0);
(437059.0,	3725673.5,	228.9,	242.0,	0.0);	(437026.1,	3725691.3,	230.5,	242.0,	0.0);
(437023.0,	3725682.4,	229.7,	242.0,	0.0);	(437019.8,	3725673.5,	228.7,	242.0,	0.0);
(437016.6,	3725664.6,	227.6,	242.0,	0.0);	(437013.5,	3725655.7,	226.6,	242.0,	0.0);
(437004.1,	3725628.9,	224.2,	242.0,	0.0);	(437000.9,	3725620.0,	223.5,	242.0,	0.0);
(436997.8,	3725611.1,	222.9,	242.0,	0.0);	(436994.6,	3725602.2,	222.3,	242.0,	0.0);
(436991.5,	3725593.3,	221.8,	242.0,	0.0);	(436988.3,	3725584.4,	221.2,	242.0,	0.0);
(436985.2,	3725575.5,	220.6,	242.0,	0.0);	(436982.0,	3725566.6,	220.0,	240.0,	0.0);
(437029.2,	3725700.2,	231.2,	242.0,	0.0);	(437035.6,	3725707.2,	232.4,	242.0,	0.0);
(437041.9,	3725714.3,	233.8,	242.0,	0.0);	(436993.3,	3725709.3,	227.9,	242.0,	0.0);
(436990.2,	3725700.5,	227.0,	242.0,	0.0);	(436987.0,	3725691.8,	226.1,	242.0,	0.0);
(436984.0,	3725683.0,	225.3,	242.0,	0.0);	(436980.8,	3725674.2,	224.6,	242.0,	0.0);
(436977.7,	3725665.4,	223.9,	242.0,	0.0);	(436974.6,	3725656.6,	223.0,	242.0,	0.0);
(436971.5,	3725647.8,	222.8,	242.0,	0.0);	(436962.2,	3725621.4,	222.8,	242.0,	0.0);
(436959.1,	3725612.6,	222.1,	242.0,	0.0);	(436956.0,	3725603.8,	221.9,	242.0,	0.0);
(436952.9,	3725595.0,	221.8,	240.0,	0.0);	(436949.8,	3725586.2,	221.8,	225.0,	0.0);
(436946.7,	3725577.4,	221.6,	225.0,	0.0);	(436943.6,	3725568.6,	221.2,	225.0,	0.0);
(437004.8,	3724812.4,	209.3,	227.0,	0.0);	(437008.8,	3724804.0,	210.3,	226.0,	0.0);
(437012.8,	3724795.5,	210.8,	220.0,	0.0);	(437016.8,	3724787.1,	210.8,	220.0,	0.0);
(436954.1,	3725709.5,	223.2,	242.0,	0.0);	(436951.0,	3725700.6,	222.3,	242.0,	0.0);
(436947.9,	3725691.8,	221.4,	242.0,	0.0);	(436944.8,	3725683.0,	220.6,	242.0,	0.0);
(436941.6,	3725674.1,	220.4,	242.0,	0.0);	(436938.5,	3725665.3,	220.5,	242.0,	0.0);
(436935.4,	3725656.5,	221.0,	242.0,	0.0);	(436932.3,	3725647.6,	221.8,	242.0,	0.0);
(436929.1,	3725638.8,	222.7,	242.0,	0.0);	(436919.8,	3725612.3,	224.6,	224.6,	0.0);
(436916.7,	3725603.5,	224.9,	224.9,	0.0);	(436913.6,	3725594.6,	224.9,	224.9,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436910.4,	3725585.8,	224.6,	224.6,	0.0);	(436907.3,	3725577.0,	224.5,	224.5,	0.0);
(436889.1,	3724969.2,	225.7,	225.7,	0.0);	(436893.2,	3724960.7,	225.7,	225.7,	0.0);
(436897.2,	3724952.3,	226.1,	226.1,	0.0);	(436901.2,	3724943.8,	226.7,	226.7,	0.0);
(436905.3,	3724935.4,	226.6,	226.6,	0.0);	(436909.3,	3724926.9,	224.7,	227.0,	0.0);
(436913.3,	3724918.4,	223.0,	227.0,	0.0);	(436917.3,	3724910.0,	221.3,	227.0,	0.0);
(436921.4,	3724901.5,	220.3,	227.0,	0.0);	(436925.4,	3724893.1,	219.9,	227.0,	0.0);
(436929.4,	3724884.6,	219.6,	227.0,	0.0);	(436933.5,	3724876.2,	217.3,	227.0,	0.0);
(436937.5,	3724867.7,	214.5,	227.0,	0.0);	(436941.5,	3724859.2,	212.1,	228.0,	0.0);
(436945.6,	3724850.8,	210.1,	228.0,	0.0);	(436949.6,	3724842.3,	209.2,	228.0,	0.0);
(436953.6,	3724833.9,	209.6,	228.0,	0.0);	(436957.6,	3724825.4,	210.4,	227.0,	0.0);
(436961.7,	3724817.0,	211.7,	227.0,	0.0);	(436965.7,	3724808.5,	213.1,	220.0,	0.0);
(436969.7,	3724800.0,	214.9,	220.0,	0.0);	(436973.8,	3724791.6,	217.1,	220.0,	0.0);
(436977.8,	3724783.1,	218.6,	220.0,	0.0);	(436981.8,	3724774.7,	218.4,	220.0,	0.0);
(436985.9,	3724766.2,	218.2,	218.2,	0.0);	(436976.0,	3725760.7,	229.2,	242.0,	0.0);
(436982.3,	3725767.7,	230.5,	242.0,	0.0);	(436936.8,	3725771.5,	224.8,	242.0,	0.0);
(436933.7,	3725762.6,	224.0,	242.0,	0.0);	(436930.5,	3725753.8,	223.4,	242.0,	0.0);
(436911.8,	3725700.5,	216.5,	242.0,	0.0);	(436908.6,	3725691.7,	215.1,	242.0,	0.0);
(436905.5,	3725682.8,	214.7,	242.0,	0.0);	(436902.4,	3725673.9,	216.2,	242.0,	0.0);
(436899.2,	3725665.1,	217.9,	242.0,	0.0);	(436883.6,	3725620.7,	226.0,	226.0,	0.0);
(436880.4,	3725611.9,	226.0,	226.0,	0.0);	(436877.3,	3725603.0,	225.9,	225.9,	0.0);
(436874.2,	3725594.1,	225.9,	225.9,	0.0);	(436871.0,	3725585.2,	226.0,	226.0,	0.0);
(436867.9,	3725576.4,	226.0,	226.0,	0.0);	(436833.5,	3725000.1,	224.5,	228.0,	0.0);
(436837.5,	3724991.6,	223.8,	228.0,	0.0);	(436841.6,	3724983.1,	222.7,	228.0,	0.0);
(436845.6,	3724974.6,	221.7,	228.0,	0.0);	(436849.6,	3724966.1,	221.0,	228.0,	0.0);
(436853.7,	3724957.6,	220.4,	228.0,	0.0);	(436857.8,	3724949.1,	219.7,	228.0,	0.0);
(436861.8,	3724940.6,	218.8,	228.0,	0.0);	(436865.8,	3724932.2,	218.1,	228.0,	0.0);
(436869.9,	3724923.7,	217.8,	228.0,	0.0);	(436873.9,	3724915.2,	217.7,	228.0,	0.0);
(436878.0,	3724906.7,	217.2,	228.0,	0.0);	(436882.0,	3724898.2,	216.5,	228.0,	0.0);
(436886.1,	3724889.7,	215.8,	228.0,	0.0);	(436890.1,	3724881.2,	215.2,	228.0,	0.0);
(436894.2,	3724872.7,	214.5,	228.0,	0.0);	(436898.2,	3724864.2,	213.8,	228.0,	0.0);
(436902.3,	3724855.7,	212.9,	228.0,	0.0);	(436906.3,	3724847.2,	211.9,	228.0,	0.0);
(436910.3,	3724838.8,	211.6,	228.0,	0.0);	(436914.4,	3724830.3,	211.7,	227.0,	0.0);
(436918.4,	3724821.8,	212.0,	227.0,	0.0);	(436922.5,	3724813.3,	212.3,	227.0,	0.0);
(436926.5,	3724804.8,	212.2,	227.0,	0.0);	(436930.6,	3724796.3,	212.1,	227.0,	0.0);
(436934.6,	3724787.8,	212.1,	220.0,	0.0);	(436938.7,	3724779.3,	211.8,	220.0,	0.0);
(436942.7,	3724770.8,	211.5,	220.0,	0.0);	(436946.8,	3724762.3,	211.4,	220.0,	0.0);
(436950.8,	3724753.8,	211.2,	220.0,	0.0);	(436954.9,	3724745.4,	210.4,	220.0,	0.0);
(436958.9,	3724736.9,	209.4,	220.0,	0.0);	(436963.0,	3724728.4,	208.0,	220.0,	0.0);
(436939.9,	3725780.4,	225.3,	242.0,	0.0);	(436946.3,	3725787.4,	226.0,	242.0,	0.0);
(436952.6,	3725794.4,	226.6,	242.0,	0.0);	(436907.0,	3725798.2,	221.7,	242.0,	0.0);
(436903.9,	3725789.3,	220.4,	242.0,	0.0);	(436900.8,	3725780.4,	218.8,	242.0,	0.0);
(436897.6,	3725771.5,	218.0,	242.0,	0.0);	(436894.5,	3725762.6,	217.7,	242.0,	0.0);
(436872.5,	3725700.3,	213.6,	242.0,	0.0);	(436869.3,	3725691.4,	213.8,	242.0,	0.0);
(436866.2,	3725682.5,	214.7,	242.0,	0.0);	(436863.0,	3725673.6,	216.2,	242.0,	0.0);
(436859.9,	3725664.7,	217.7,	242.0,	0.0);	(436856.7,	3725655.8,	219.1,	242.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436853.6,	3725646.9,	221.3,	227.0,	0.0);	(436850.5,	3725638.0,	223.5,	227.0,	0.0);
(436847.3,	3725629.1,	225.6,	225.6,	0.0);	(436844.2,	3725620.2,	226.1,	226.1,	0.0);
(436841.0,	3725611.3,	226.0,	226.0,	0.0);	(436837.9,	3725602.3,	225.9,	225.9,	0.0);
(436834.7,	3725593.4,	225.8,	225.8,	0.0);	(436831.6,	3725584.5,	226.0,	226.0,	0.0);
(436828.4,	3725575.6,	226.2,	226.2,	0.0);	(436773.6,	3725039.8,	223.3,	228.0,	0.0);
(436777.6,	3725031.3,	222.6,	228.0,	0.0);	(436781.7,	3725022.8,	221.7,	228.0,	0.0);
(436785.8,	3725014.3,	220.8,	228.0,	0.0);	(436789.8,	3725005.8,	219.7,	228.0,	0.0);
(436793.9,	3724997.2,	218.6,	228.0,	0.0);	(436797.9,	3724988.7,	217.6,	228.0,	0.0);
(436802.0,	3724980.2,	216.6,	228.0,	0.0);	(436806.1,	3724971.7,	215.6,	228.0,	0.0);
(436810.1,	3724963.1,	214.7,	228.0,	0.0);	(436814.2,	3724954.6,	214.1,	228.0,	0.0);
(436818.2,	3724946.1,	213.5,	228.0,	0.0);	(436822.3,	3724937.6,	212.9,	228.0,	0.0);
(436826.4,	3724929.1,	212.3,	228.0,	0.0);	(436830.4,	3724920.5,	211.7,	228.0,	0.0);
(436834.5,	3724912.0,	211.1,	228.0,	0.0);	(436838.6,	3724903.5,	210.4,	228.0,	0.0);
(436842.6,	3724895.0,	209.7,	228.0,	0.0);	(436846.7,	3724886.4,	208.9,	228.0,	0.0);
(436850.7,	3724877.9,	208.2,	228.0,	0.0);	(436854.8,	3724869.4,	207.6,	228.0,	0.0);
(436858.9,	3724860.9,	207.0,	228.0,	0.0);	(436862.9,	3724852.4,	206.3,	228.0,	0.0);
(436867.0,	3724843.8,	205.4,	228.0,	0.0);	(436871.0,	3724835.3,	204.8,	228.0,	0.0);
(436875.1,	3724826.8,	204.5,	228.0,	0.0);	(436879.2,	3724818.3,	204.2,	228.0,	0.0);
(436883.2,	3724809.7,	204.0,	228.0,	0.0);	(436887.3,	3724801.2,	203.8,	228.0,	0.0);
(436891.3,	3724792.7,	203.4,	228.0,	0.0);	(436895.4,	3724784.2,	203.1,	228.0,	0.0);
(436899.5,	3724775.7,	202.9,	228.0,	0.0);	(436903.5,	3724767.1,	202.9,	228.0,	0.0);
(436907.6,	3724758.6,	202.6,	228.0,	0.0);	(436911.7,	3724750.1,	202.2,	228.0,	0.0);
(436915.7,	3724741.6,	201.8,	228.0,	0.0);	(436919.8,	3724733.0,	201.3,	227.0,	0.0);
(436923.8,	3724724.5,	200.8,	227.0,	0.0);	(436927.9,	3724716.0,	200.1,	227.0,	0.0);
(436932.0,	3724707.5,	199.3,	227.0,	0.0);	(436936.0,	3724698.9,	198.5,	227.0,	0.0);
(436940.1,	3724690.4,	197.8,	227.0,	0.0);	(436910.2,	3725807.1,	222.9,	242.0,	0.0);
(436916.5,	3725814.1,	224.2,	242.0,	0.0);	(436922.8,	3725821.2,	225.3,	242.0,	0.0);
(436877.3,	3725825.0,	225.0,	241.0,	0.0);	(436874.2,	3725816.2,	224.0,	242.0,	0.0);
(436871.1,	3725807.4,	223.1,	242.0,	0.0);	(436868.0,	3725798.6,	222.0,	242.0,	0.0);
(436864.9,	3725789.8,	220.8,	242.0,	0.0);	(436861.8,	3725781.0,	219.8,	242.0,	0.0);
(436858.6,	3725772.2,	218.6,	242.0,	0.0);	(436855.5,	3725763.4,	217.1,	242.0,	0.0);
(436852.4,	3725754.5,	215.7,	242.0,	0.0);	(436836.9,	3725710.5,	212.6,	242.0,	0.0);
(436833.8,	3725701.7,	213.3,	242.0,	0.0);	(436830.6,	3725692.9,	213.7,	242.0,	0.0);
(436827.5,	3725684.1,	214.1,	242.0,	0.0);	(436824.4,	3725675.3,	214.9,	242.0,	0.0);
(436821.3,	3725666.5,	215.8,	242.0,	0.0);	(436818.2,	3725657.7,	216.7,	227.0,	0.0);
(436815.1,	3725648.9,	218.1,	227.0,	0.0);	(436812.0,	3725640.0,	219.5,	227.0,	0.0);
(436808.9,	3725631.2,	220.9,	227.0,	0.0);	(436716.7,	3725073.2,	218.7,	233.0,	0.0);
(436720.8,	3725064.8,	217.7,	233.0,	0.0);	(436724.8,	3725056.3,	217.7,	233.0,	0.0);
(436728.8,	3725047.9,	217.2,	233.0,	0.0);	(436732.8,	3725039.5,	216.8,	233.0,	0.0);
(436736.8,	3725031.0,	216.4,	233.0,	0.0);	(436740.8,	3725022.6,	216.2,	233.0,	0.0);
(436744.9,	3725014.2,	215.8,	233.0,	0.0);	(436748.9,	3725005.7,	215.2,	233.0,	0.0);
(436752.9,	3724997.3,	214.5,	233.0,	0.0);	(436756.9,	3724988.9,	213.5,	233.0,	0.0);
(436760.9,	3724980.4,	212.5,	233.0,	0.0);	(436765.0,	3724972.0,	211.5,	233.0,	0.0);
(436769.0,	3724963.6,	210.6,	233.0,	0.0);	(436773.0,	3724955.1,	210.0,	233.0,	0.0);
(436777.0,	3724946.7,	209.2,	233.0,	0.0);	(436781.0,	3724938.3,	208.4,	233.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436785.0,	3724929.8,	207.9,	233.0,	0.0);	(436789.1,	3724921.4,	207.3,	233.0,	0.0);
(436793.1,	3724913.0,	206.7,	233.0,	0.0);	(436797.1,	3724904.5,	206.0,	233.0,	0.0);
(436801.1,	3724896.1,	205.3,	233.0,	0.0);	(436805.1,	3724887.7,	204.8,	233.0,	0.0);
(436809.2,	3724879.2,	204.3,	233.0,	0.0);	(436813.2,	3724870.8,	203.7,	233.0,	0.0);
(436817.2,	3724862.4,	203.1,	233.0,	0.0);	(436821.2,	3724853.9,	202.6,	233.0,	0.0);
(436825.2,	3724845.5,	202.0,	233.0,	0.0);	(436829.2,	3724837.1,	201.3,	232.0,	0.0);
(436833.3,	3724828.6,	200.7,	232.0,	0.0);	(436837.3,	3724820.2,	200.2,	232.0,	0.0);
(436841.3,	3724811.8,	199.6,	232.0,	0.0);	(436845.3,	3724803.4,	198.8,	232.0,	0.0);
(436849.3,	3724794.9,	198.1,	228.0,	0.0);	(436853.4,	3724786.5,	197.4,	228.0,	0.0);
(436857.4,	3724778.1,	197.1,	228.0,	0.0);	(436861.4,	3724769.6,	196.7,	228.0,	0.0);
(436865.4,	3724761.2,	196.2,	228.0,	0.0);	(436869.4,	3724752.8,	195.8,	228.0,	0.0);
(436873.5,	3724744.3,	195.8,	228.0,	0.0);	(436877.5,	3724735.9,	195.6,	228.0,	0.0);
(436881.5,	3724727.5,	195.3,	228.0,	0.0);	(436885.5,	3724719.0,	195.0,	228.0,	0.0);
(436889.5,	3724710.6,	194.6,	228.0,	0.0);	(436893.5,	3724702.2,	194.2,	228.0,	0.0);
(436897.6,	3724693.7,	193.6,	228.0,	0.0);	(436901.6,	3724685.3,	193.1,	228.0,	0.0);
(436905.6,	3724676.9,	192.6,	228.0,	0.0);	(436909.6,	3724668.4,	191.9,	228.0,	0.0);
(436913.6,	3724660.0,	191.3,	228.0,	0.0);	(436917.6,	3724651.6,	190.8,	228.0,	0.0);
(436921.7,	3724643.1,	190.2,	228.0,	0.0);	(436925.7,	3724634.7,	189.7,	228.0,	0.0);
(436929.7,	3724626.3,	189.4,	228.0,	0.0);	(436933.7,	3724617.8,	188.9,	228.0,	0.0);
(436937.8,	3724609.4,	188.3,	228.0,	0.0);	(436941.8,	3724601.0,	188.2,	227.0,	0.0);
(436880.4,	3725833.8,	226.1,	241.0,	0.0);	(436886.7,	3725840.9,	226.5,	241.0,	0.0);
(436893.0,	3725847.9,	226.5,	241.0,	0.0);	(436847.5,	3725851.7,	224.5,	224.5,	0.0);
(436844.4,	3725842.9,	224.3,	224.3,	0.0);	(436841.3,	3725834.0,	224.0,	224.0,	0.0);
(436838.2,	3725825.2,	223.2,	223.2,	0.0);	(436835.0,	3725816.3,	222.6,	222.6,	0.0);
(436831.9,	3725807.5,	222.1,	222.1,	0.0);	(436828.8,	3725798.7,	221.5,	241.0,	0.0);
(436825.7,	3725789.8,	220.9,	241.0,	0.0);	(436822.5,	3725781.0,	220.3,	241.0,	0.0);
(436819.4,	3725772.1,	219.4,	241.0,	0.0);	(436816.3,	3725763.3,	218.2,	242.0,	0.0);
(436791.3,	3725692.6,	211.1,	242.0,	0.0);	(436788.2,	3725683.8,	210.8,	242.0,	0.0);
(436673.0,	3725079.1,	227.8,	233.0,	0.0);	(436677.0,	3725070.6,	226.2,	233.0,	0.0);
(436681.0,	3725062.2,	224.5,	233.0,	0.0);	(436685.1,	3725053.7,	222.7,	233.0,	0.0);
(436689.1,	3725045.2,	220.3,	233.0,	0.0);	(436693.1,	3725036.8,	218.3,	233.0,	0.0);
(436697.2,	3725028.3,	216.3,	233.0,	0.0);	(436701.2,	3725019.8,	215.0,	233.0,	0.0);
(436705.2,	3725011.4,	214.0,	233.0,	0.0);	(436709.3,	3725002.9,	213.1,	233.0,	0.0);
(436713.3,	3724994.5,	212.3,	233.0,	0.0);	(436717.3,	3724986.0,	211.2,	233.0,	0.0);
(436721.4,	3724977.5,	210.2,	233.0,	0.0);	(436725.4,	3724969.1,	209.3,	233.0,	0.0);
(436729.4,	3724960.6,	208.8,	233.0,	0.0);	(436733.5,	3724952.1,	208.4,	233.0,	0.0);
(436737.5,	3724943.7,	207.7,	233.0,	0.0);	(436741.5,	3724935.2,	206.8,	233.0,	0.0);
(436745.6,	3724926.8,	205.8,	233.0,	0.0);	(436749.6,	3724918.3,	204.8,	233.0,	0.0);
(436753.6,	3724909.8,	204.4,	233.0,	0.0);	(436757.7,	3724901.4,	204.0,	233.0,	0.0);
(436761.7,	3724892.9,	203.4,	233.0,	0.0);	(436765.7,	3724884.4,	202.7,	233.0,	0.0);
(436769.8,	3724876.0,	201.7,	233.0,	0.0);	(436773.8,	3724867.5,	201.2,	233.0,	0.0);
(436777.8,	3724859.0,	200.6,	233.0,	0.0);	(436781.9,	3724850.6,	200.2,	233.0,	0.0);
(436785.9,	3724842.1,	200.0,	233.0,	0.0);	(436789.9,	3724833.7,	199.5,	233.0,	0.0);
(436794.0,	3724825.2,	198.8,	233.0,	0.0);	(436798.0,	3724816.7,	197.8,	233.0,	0.0);
(436802.0,	3724808.3,	197.1,	233.0,	0.0);	(436806.1,	3724799.8,	196.2,	233.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	436810.1,	3724791.3,	195.4,	233.0,	0.0);	(436814.1,	3724782.9,	195.1,	233.0,	0.0);
(	436818.2,	3724774.4,	195.1,	233.0,	0.0);	(436822.2,	3724766.0,	194.9,	233.0,	0.0);
(	436826.2,	3724757.5,	194.5,	233.0,	0.0);	(436830.3,	3724749.0,	194.1,	232.0,	0.0);
(	436834.3,	3724740.6,	193.7,	232.0,	0.0);	(436838.3,	3724732.1,	193.2,	232.0,	0.0);
(	436842.4,	3724723.6,	193.0,	228.0,	0.0);	(436846.4,	3724715.2,	192.8,	228.0,	0.0);
(	436850.4,	3724706.7,	192.5,	228.0,	0.0);	(436854.5,	3724698.3,	192.1,	228.0,	0.0);
(	436858.5,	3724689.8,	191.9,	228.0,	0.0);	(436862.5,	3724681.3,	191.5,	228.0,	0.0);
(	436866.6,	3724672.9,	190.8,	228.0,	0.0);	(436870.6,	3724664.4,	190.1,	228.0,	0.0);
(	436874.6,	3724655.9,	190.3,	228.0,	0.0);	(436878.7,	3724647.5,	190.2,	228.0,	0.0);
(	436882.7,	3724639.0,	189.8,	228.0,	0.0);	(436886.7,	3724630.6,	189.6,	228.0,	0.0);
(	436890.8,	3724622.1,	189.7,	228.0,	0.0);	(436894.8,	3724613.6,	189.9,	227.0,	0.0);
(	436898.8,	3724605.2,	190.3,	227.0,	0.0);	(436902.9,	3724596.7,	191.8,	227.0,	0.0);
(	436906.9,	3724588.2,	193.1,	220.0,	0.0);	(436910.9,	3724579.8,	194.1,	220.0,	0.0);
(	436915.0,	3724571.3,	195.4,	220.0,	0.0);	(436850.6,	3725860.5,	224.7,	224.7,	0.0);
(	436857.0,	3725867.6,	225.0,	225.0,	0.0);	(436863.3,	3725874.6,	224.6,	241.0,	0.0);
(	436817.8,	3725878.4,	222.0,	222.0,	0.0);	(436814.6,	3725869.5,	222.2,	222.2,	0.0);
(	436811.5,	3725860.6,	222.3,	222.3,	0.0);	(436808.3,	3725851.8,	222.4,	222.4,	0.0);
(	436805.2,	3725842.9,	222.5,	222.5,	0.0);	(436802.1,	3725834.0,	222.4,	222.4,	0.0);
(	436799.0,	3725825.2,	221.9,	221.9,	0.0);	(436795.8,	3725816.3,	221.4,	221.4,	0.0);
(	436792.7,	3725807.4,	220.9,	220.9,	0.0);	(436789.6,	3725798.6,	220.2,	220.2,	0.0);
(	436786.4,	3725789.7,	219.4,	219.4,	0.0);	(436783.3,	3725780.8,	218.6,	218.6,	0.0);
(	436657.5,	3725025.6,	226.1,	233.0,	0.0);	(436661.5,	3725017.1,	223.7,	233.0,	0.0);
(	436665.6,	3725008.7,	221.1,	233.0,	0.0);	(436669.6,	3725000.2,	218.7,	233.0,	0.0);
(	436673.7,	3724991.7,	217.1,	233.0,	0.0);	(436677.7,	3724983.2,	216.1,	233.0,	0.0);
(	436681.8,	3724974.7,	215.0,	233.0,	0.0);	(436685.8,	3724966.2,	213.9,	233.0,	0.0);
(	436689.9,	3724957.7,	213.2,	233.0,	0.0);	(436693.9,	3724949.2,	212.9,	233.0,	0.0);
(	436698.0,	3724940.7,	212.5,	233.0,	0.0);	(436702.0,	3724932.2,	211.9,	233.0,	0.0);
(	436706.1,	3724923.8,	211.0,	233.0,	0.0);	(436710.1,	3724915.2,	210.1,	233.0,	0.0);
(	436714.1,	3724906.8,	209.1,	233.0,	0.0);	(436718.2,	3724898.3,	208.3,	233.0,	0.0);
(	436722.2,	3724889.8,	207.6,	233.0,	0.0);	(436726.3,	3724881.3,	206.9,	233.0,	0.0);
(	436730.3,	3724872.8,	206.1,	233.0,	0.0);	(436734.4,	3724864.3,	205.3,	233.0,	0.0);
(	436738.4,	3724855.8,	204.6,	233.0,	0.0);	(436742.5,	3724847.3,	204.0,	233.0,	0.0);
(	436746.5,	3724838.8,	203.2,	233.0,	0.0);	(436750.6,	3724830.3,	202.4,	233.0,	0.0);
(	436754.6,	3724821.8,	201.7,	233.0,	0.0);	(436758.7,	3724813.4,	201.1,	233.0,	0.0);
(	436762.7,	3724804.9,	200.5,	233.0,	0.0);	(436766.8,	3724796.4,	199.9,	233.0,	0.0);
(	436770.8,	3724787.9,	199.2,	233.0,	0.0);	(436774.8,	3724779.4,	198.7,	233.0,	0.0);
(	436778.9,	3724770.9,	198.1,	233.0,	0.0);	(436782.9,	3724762.4,	197.7,	232.0,	0.0);
(	436787.0,	3724753.9,	197.2,	232.0,	0.0);	(436791.0,	3724745.4,	196.7,	232.0,	0.0);
(	436795.1,	3724736.9,	196.1,	228.0,	0.0);	(436799.1,	3724728.4,	195.5,	228.0,	0.0);
(	436803.2,	3724720.0,	195.0,	228.0,	0.0);	(436807.2,	3724711.5,	194.8,	228.0,	0.0);
(	436811.3,	3724703.0,	194.6,	228.0,	0.0);	(436815.3,	3724694.5,	194.5,	228.0,	0.0);
(	436819.4,	3724686.0,	194.7,	228.0,	0.0);	(436823.4,	3724677.5,	194.9,	228.0,	0.0);
(	436827.5,	3724669.0,	195.0,	227.0,	0.0);	(436831.5,	3724660.5,	194.9,	227.0,	0.0);
(	436835.5,	3724652.0,	194.5,	227.0,	0.0);	(436839.6,	3724643.5,	194.0,	227.0,	0.0);
(	436843.6,	3724635.0,	193.6,	227.0,	0.0);	(436847.7,	3724626.6,	193.5,	227.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436851.7,	3724618.1,	193.4,	227.0,	0.0);	(436855.8,	3724609.6,	193.3,	227.0,	0.0);
(436859.8,	3724601.1,	193.8,	220.0,	0.0);	(436863.9,	3724592.6,	194.9,	220.0,	0.0);
(436867.9,	3724584.1,	196.4,	220.0,	0.0);	(436872.0,	3724575.6,	198.1,	214.0,	0.0);
(436876.0,	3724567.1,	201.0,	214.0,	0.0);	(436880.0,	3724558.6,	203.9,	214.0,	0.0);
(436884.1,	3724550.1,	206.6,	214.0,	0.0);	(436888.1,	3724541.6,	208.0,	214.0,	0.0);
(436820.9,	3725887.3,	221.8,	221.8,	0.0);	(436827.2,	3725894.3,	221.7,	221.7,	0.0);
(436833.5,	3725901.3,	221.5,	221.5,	0.0);	(436788.0,	3725905.1,	219.0,	219.0,	0.0);
(436784.8,	3725896.2,	219.4,	219.4,	0.0);	(436781.7,	3725887.3,	219.4,	219.4,	0.0);
(436778.5,	3725878.4,	219.4,	219.4,	0.0);	(436775.4,	3725869.5,	219.2,	220.0,	0.0);
(436772.3,	3725860.6,	219.1,	219.1,	0.0);	(436769.1,	3725851.7,	219.2,	219.2,	0.0);
(436766.0,	3725842.8,	219.6,	219.6,	0.0);	(436762.8,	3725833.9,	219.8,	219.8,	0.0);
(436759.7,	3725825.0,	219.3,	219.3,	0.0);	(436756.6,	3725816.1,	218.8,	218.8,	0.0);
(436753.4,	3725807.2,	218.3,	218.3,	0.0);	(436750.3,	3725798.3,	217.5,	217.5,	0.0);
(436747.1,	3725789.4,	216.6,	216.6,	0.0);	(436650.3,	3724954.9,	218.8,	233.0,	0.0);
(436654.3,	3724946.4,	218.1,	233.0,	0.0);	(436658.4,	3724937.8,	217.9,	233.0,	0.0);
(436662.5,	3724929.3,	217.4,	232.0,	0.0);	(436666.5,	3724920.8,	216.7,	232.0,	0.0);
(436670.6,	3724912.3,	216.0,	232.0,	0.0);	(436674.6,	3724903.8,	215.5,	232.0,	0.0);
(436678.7,	3724895.2,	215.1,	232.0,	0.0);	(436682.8,	3724886.7,	214.7,	214.7,	0.0);
(436686.8,	3724878.2,	214.3,	214.3,	0.0);	(436690.9,	3724869.7,	213.9,	218.0,	0.0);
(436694.9,	3724861.2,	213.2,	218.0,	0.0);	(436699.0,	3724852.7,	212.4,	218.0,	0.0);
(436703.0,	3724844.1,	211.4,	218.0,	0.0);	(436707.1,	3724835.6,	210.4,	218.0,	0.0);
(436711.2,	3724827.1,	209.5,	218.0,	0.0);	(436715.2,	3724818.6,	208.8,	218.0,	0.0);
(436719.3,	3724810.1,	207.7,	218.0,	0.0);	(436723.3,	3724801.6,	206.4,	218.0,	0.0);
(436727.4,	3724793.0,	205.3,	218.0,	0.0);	(436731.5,	3724784.5,	204.5,	218.0,	0.0);
(436735.5,	3724776.0,	204.4,	218.0,	0.0);	(436739.6,	3724767.5,	204.2,	218.0,	0.0);
(436743.6,	3724759.0,	203.9,	218.0,	0.0);	(436747.7,	3724750.5,	203.3,	218.0,	0.0);
(436751.8,	3724741.9,	202.6,	218.0,	0.0);	(436755.8,	3724733.4,	202.0,	227.0,	0.0);
(436759.9,	3724724.9,	201.3,	227.0,	0.0);	(436763.9,	3724716.4,	200.4,	227.0,	0.0);
(436768.0,	3724707.9,	199.7,	227.0,	0.0);	(436772.0,	3724699.3,	199.0,	227.0,	0.0);
(436776.1,	3724690.8,	198.6,	227.0,	0.0);	(436780.2,	3724682.3,	198.4,	227.0,	0.0);
(436784.2,	3724673.8,	198.4,	216.0,	0.0);	(436788.3,	3724665.3,	198.5,	215.0,	0.0);
(436792.3,	3724656.8,	199.3,	215.0,	0.0);	(436796.4,	3724648.2,	199.9,	215.0,	0.0);
(436800.5,	3724639.7,	200.2,	215.0,	0.0);	(436804.5,	3724631.2,	199.9,	215.0,	0.0);
(436808.6,	3724622.7,	199.2,	215.0,	0.0);	(436812.6,	3724614.2,	198.6,	215.0,	0.0);
(436816.7,	3724605.7,	198.1,	215.0,	0.0);	(436820.8,	3724597.1,	198.1,	215.0,	0.0);
(436824.8,	3724588.6,	198.1,	214.0,	0.0);	(436828.9,	3724580.1,	198.2,	214.0,	0.0);
(436832.9,	3724571.6,	199.2,	214.0,	0.0);	(436837.0,	3724563.1,	201.5,	214.0,	0.0);
(436841.0,	3724554.6,	204.3,	214.0,	0.0);	(436845.1,	3724546.0,	207.4,	214.0,	0.0);
(436849.2,	3724537.5,	209.3,	214.0,	0.0);	(436853.2,	3724529.0,	210.9,	214.0,	0.0);
(436857.3,	3724520.5,	212.1,	214.0,	0.0);	(436861.3,	3724512.0,	211.3,	214.0,	0.0);
(436791.1,	3725914.0,	218.6,	218.6,	0.0);	(436797.4,	3725921.0,	218.5,	218.5,	0.0);
(436803.8,	3725928.1,	218.4,	218.4,	0.0);	(437276.6,	3725541.5,	209.5,	239.0,	0.0);
(437288.5,	3725554.5,	211.2,	228.0,	0.0);	(437300.3,	3725567.6,	212.0,	228.0,	0.0);
(437242.6,	3725548.6,	209.6,	242.0,	0.0);	(437254.4,	3725561.6,	210.0,	242.0,	0.0);
(437244.0,	3725594.8,	212.5,	242.0,	0.0);	(437255.8,	3725607.8,	212.1,	242.0,	0.0);

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(	437198.1,	3725588.9,	212.8,	242.0,	0.0);	(437210.0,	3725601.9,	213.2,	242.0,	0.0);
(	437221.8,	3725615.0,	213.3,	242.0,	0.0);	(437233.6,	3725628.0,	213.0,	242.0,	0.0);
(	437175.9,	3725609.0,	216.1,	242.0,	0.0);	(437199.5,	3725635.1,	215.6,	242.0,	0.0);
(	437153.7,	3725629.2,	220.1,	242.0,	0.0);	(437165.5,	3725642.2,	219.4,	242.0,	0.0);
(	437131.5,	3725649.3,	222.2,	242.0,	0.0);	(437143.3,	3725662.4,	222.0,	242.0,	0.0);
(	437155.1,	3725675.4,	221.4,	242.0,	0.0);	(437166.9,	3725688.4,	220.5,	242.0,	0.0);
(	437079.6,	3725696.3,	232.4,	242.0,	0.0);	(437091.4,	3725709.4,	232.5,	242.0,	0.0);
(	437103.2,	3725722.4,	232.4,	242.0,	0.0);	(437050.0,	3725723.2,	236.2,	242.0,	0.0);
(	437032.1,	3725763.1,	238.6,	242.0,	0.0);	(436990.7,	3725776.9,	232.3,	242.0,	0.0);
(	437002.5,	3725790.0,	235.2,	242.0,	0.0);	(437014.3,	3725803.0,	238.5,	240.0,	0.0);
(	437026.1,	3725816.0,	240.4,	240.4,	0.0);	(436961.0,	3725803.8,	227.3,	242.0,	0.0);
(	436972.9,	3725816.8,	230.3,	242.0,	0.0);	(436984.7,	3725829.9,	233.6,	242.0,	0.0);
(	436996.5,	3725842.9,	236.1,	241.0,	0.0);	(436931.4,	3725830.7,	226.6,	242.0,	0.0);
(	436943.2,	3725843.7,	228.1,	242.0,	0.0);	(436955.0,	3725856.7,	228.9,	242.0,	0.0);
(	436966.8,	3725869.8,	229.7,	241.0,	0.0);	(436901.8,	3725857.5,	226.3,	241.0,	0.0);
(	436913.6,	3725870.6,	225.5,	241.0,	0.0);	(436925.4,	3725883.6,	224.2,	242.0,	0.0);
(	436937.2,	3725896.6,	223.5,	242.0,	0.0);	(436872.1,	3725884.4,	223.6,	241.0,	0.0);
(	436884.0,	3725897.4,	221.9,	241.0,	0.0);	(436895.8,	3725910.5,	220.2,	242.0,	0.0);
(	436907.6,	3725923.5,	218.6,	245.0,	0.0);	(436842.5,	3725911.3,	220.9,	241.0,	0.0);
(	436854.3,	3725924.3,	219.7,	241.0,	0.0);	(436866.1,	3725937.3,	217.6,	241.0,	0.0);
(	436877.9,	3725950.4,	215.9,	245.0,	0.0);	(436812.9,	3725938.1,	217.8,	241.0,	0.0);
(	436824.7,	3725951.1,	216.2,	241.0,	0.0);	(436836.5,	3725964.2,	214.3,	241.0,	0.0);
(	436848.3,	3725977.2,	212.9,	246.0,	0.0);	(436967.7,	3725574.4,	220.4,	240.0,	0.0);
(	436930.8,	3725589.8,	224.2,	225.0,	0.0);	(436893.9,	3725605.2,	225.2,	225.2,	0.0);
(	436857.0,	3725620.7,	226.5,	226.5,	0.0);	(436820.1,	3725636.1,	221.3,	227.0,	0.0);
(	436730.3,	3725021.9,	214.5,	233.0,	0.0);	(436692.6,	3725008.6,	215.0,	233.0,	0.0);
(	436654.9,	3724995.4,	220.9,	233.0,	0.0);	(437486.3,	3725583.1,	215.8,	228.0,	0.0);
(	437493.7,	3725589.3,	215.8,	228.0,	0.0);	(437501.1,	3725595.6,	215.9,	228.0,	0.0);
(	437508.5,	3725601.9,	215.8,	245.0,	0.0);	(437436.4,	3725566.9,	220.3,	227.0,	0.0);
(	437443.8,	3725573.2,	219.9,	227.0,	0.0);	(437451.2,	3725579.5,	219.3,	227.0,	0.0);
(	437458.6,	3725585.7,	218.8,	228.0,	0.0);	(437466.0,	3725592.0,	218.2,	228.0,	0.0);
(	437473.3,	3725598.3,	218.0,	228.0,	0.0);	(437480.7,	3725604.6,	218.0,	228.0,	0.0);
(	437488.1,	3725610.9,	217.9,	228.0,	0.0);	(437495.5,	3725617.1,	217.8,	228.0,	0.0);
(	437396.3,	3725555.4,	221.0,	221.0,	0.0);	(437401.3,	3725563.3,	221.6,	225.0,	0.0);
(	437408.7,	3725569.6,	222.3,	225.0,	0.0);	(437423.5,	3725582.1,	222.4,	225.0,	0.0);
(	437430.8,	3725588.4,	222.3,	227.0,	0.0);	(437438.2,	3725594.7,	222.0,	227.0,	0.0);
(	437445.6,	3725601.0,	221.8,	227.0,	0.0);	(437453.0,	3725607.3,	221.5,	227.0,	0.0);
(	437460.4,	3725613.5,	221.2,	228.0,	0.0);	(437467.8,	3725619.8,	220.7,	228.0,	0.0);
(	437475.2,	3725626.1,	220.4,	228.0,	0.0);	(437482.6,	3725632.4,	220.3,	226.0,	0.0);
(	437376.9,	3725578.3,	221.0,	227.0,	0.0);	(437371.9,	3725570.4,	220.1,	227.0,	0.0);
(	437366.9,	3725562.5,	219.2,	227.0,	0.0);	(437361.9,	3725554.7,	218.5,	225.0,	0.0);
(	437381.9,	3725586.2,	221.8,	227.0,	0.0);	(437389.2,	3725592.4,	222.8,	227.0,	0.0);
(	437396.6,	3725598.7,	223.9,	227.0,	0.0);	(437404.0,	3725605.0,	225.1,	225.1,	0.0);
(	437455.8,	3725649.0,	224.5,	224.5,	0.0);	(437463.1,	3725655.2,	224.4,	224.4,	0.0);
(	437357.5,	3725601.2,	219.3,	228.0,	0.0);	(437352.5,	3725593.3,	218.3,	228.0,	0.0);

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(	437362.4,	3725609.0,	220.5,	228.0,	0.0);	(437369.8,	3725615.3,	222.2,	228.0,	0.0);
(	437377.2,	3725621.6,	224.1,	225.0,	0.0);	(437384.6,	3725627.9,	225.3,	225.3,	0.0);
(	437392.0,	3725634.1,	225.9,	225.9,	0.0);	(437399.4,	3725640.4,	226.6,	226.6,	0.0);
(	437421.5,	3725659.3,	227.2,	227.2,	0.0);	(437428.9,	3725665.5,	226.8,	226.8,	0.0);
(	437436.3,	3725671.8,	226.6,	226.6,	0.0);	(437443.7,	3725678.1,	226.6,	226.6,	0.0);
(	437296.5,	3725558.6,	211.7,	228.0,	0.0);	(437286.2,	3725542.3,	210.2,	228.0,	0.0);
(	437343.0,	3725631.9,	217.5,	228.0,	0.0);	(437350.4,	3725638.2,	218.8,	228.0,	0.0);
(	437357.8,	3725644.4,	220.2,	228.0,	0.0);	(437365.2,	3725650.7,	221.7,	228.0,	0.0);
(	437372.6,	3725657.0,	223.3,	228.0,	0.0);	(437380.0,	3725663.3,	224.8,	228.0,	0.0);
(	437387.3,	3725669.6,	225.3,	228.0,	0.0);	(437409.5,	3725688.4,	227.0,	227.0,	0.0);
(	437416.9,	3725694.7,	227.0,	227.0,	0.0);	(437424.3,	3725701.0,	227.0,	227.0,	0.0);
(	437303.0,	3725622.4,	212.5,	239.0,	0.0);	(437297.9,	3725614.3,	212.3,	242.0,	0.0);
(	437292.8,	3725606.2,	212.1,	242.0,	0.0);	(437287.6,	3725598.1,	212.0,	242.0,	0.0);
(	437267.1,	3725565.7,	210.5,	242.0,	0.0);	(437256.8,	3725549.5,	209.0,	242.0,	0.0);
(	437251.7,	3725541.4,	208.7,	242.0,	0.0);	(437338.3,	3725667.3,	215.5,	228.0,	0.0);
(	437345.7,	3725673.6,	216.7,	228.0,	0.0);	(437353.1,	3725679.9,	218.0,	228.0,	0.0);
(	437360.5,	3725686.1,	219.6,	228.0,	0.0);	(437367.9,	3725692.4,	220.8,	228.0,	0.0);
(	437375.3,	3725698.7,	221.9,	228.0,	0.0);	(437382.7,	3725705.0,	222.6,	227.0,	0.0);
(	437283.7,	3725645.4,	212.1,	242.0,	0.0);	(437278.6,	3725637.3,	212.1,	242.0,	0.0);
(	437273.5,	3725629.3,	212.1,	242.0,	0.0);	(437268.4,	3725621.2,	212.0,	242.0,	0.0);
(	437263.3,	3725613.2,	212.0,	242.0,	0.0);	(437253.1,	3725597.1,	212.2,	242.0,	0.0);
(	437232.6,	3725564.9,	211.7,	242.0,	0.0);	(437227.5,	3725556.8,	211.1,	242.0,	0.0);
(	437222.4,	3725548.8,	210.5,	242.0,	0.0);	(437217.3,	3725540.7,	210.2,	242.0,	0.0);
(	437333.7,	3725702.7,	214.1,	245.0,	0.0);	(437370.6,	3725734.1,	218.5,	245.0,	0.0);
(	437378.0,	3725740.4,	219.2,	245.0,	0.0);	(437279.6,	3725692.4,	213.4,	242.0,	0.0);
(	437274.5,	3725684.4,	213.4,	242.0,	0.0);	(437269.5,	3725676.4,	213.4,	242.0,	0.0);
(	437249.1,	3725644.3,	213.2,	242.0,	0.0);	(437244.0,	3725636.3,	213.0,	242.0,	0.0);
(	437223.7,	3725604.2,	213.1,	242.0,	0.0);	(437218.6,	3725596.2,	213.0,	242.0,	0.0);
(	437213.5,	3725588.2,	212.7,	242.0,	0.0);	(437198.3,	3725564.2,	212.0,	242.0,	0.0);
(	437193.2,	3725556.1,	211.9,	242.0,	0.0);	(437188.1,	3725548.1,	211.8,	242.0,	0.0);
(	437284.7,	3725700.5,	213.2,	242.0,	0.0);	(437292.1,	3725706.7,	212.9,	244.0,	0.0);
(	437299.5,	3725713.0,	212.7,	245.0,	0.0);	(437336.4,	3725744.4,	213.7,	262.0,	0.0);
(	437343.8,	3725750.7,	214.5,	262.0,	0.0);	(437351.2,	3725757.0,	215.2,	262.0,	0.0);
(	437358.6,	3725763.3,	216.0,	262.0,	0.0);	(437366.0,	3725769.5,	216.8,	262.0,	0.0);
(	437260.2,	3725715.3,	214.9,	242.0,	0.0);	(437255.2,	3725707.3,	215.0,	242.0,	0.0);
(	437250.1,	3725699.4,	215.1,	242.0,	0.0);	(437245.0,	3725691.4,	215.2,	242.0,	0.0);
(	437240.0,	3725683.4,	215.2,	242.0,	0.0);	(437234.9,	3725675.4,	215.3,	242.0,	0.0);
(	437229.8,	3725667.4,	215.4,	242.0,	0.0);	(437209.6,	3725635.5,	215.0,	242.0,	0.0);
(	437204.5,	3725627.5,	214.8,	242.0,	0.0);	(437199.5,	3725619.5,	214.6,	242.0,	0.0);
(	437194.4,	3725611.5,	214.6,	242.0,	0.0);	(437164.0,	3725563.6,	213.3,	242.0,	0.0);
(	437158.9,	3725555.6,	213.4,	242.0,	0.0);	(437153.9,	3725547.6,	213.4,	242.0,	0.0);
(	437265.3,	3725723.3,	214.8,	244.0,	0.0);	(437294.8,	3725748.4,	212.9,	262.0,	0.0);
(	437324.4,	3725773.6,	214.0,	262.0,	0.0);	(437331.8,	3725779.8,	214.7,	262.0,	0.0);
(	437339.2,	3725786.1,	215.3,	262.0,	0.0);	(437346.6,	3725792.4,	216.0,	262.0,	0.0);
(	437225.7,	3725714.3,	217.2,	242.0,	0.0);	(437220.6,	3725706.4,	217.3,	242.0,	0.0);

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(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437215.6,	3725698.4,	217.3,	242.0,	0.0);	(	437210.5,	3725690.5,	217.4,	242.0,	0.0);
(	437205.5,	3725682.5,	217.5,	242.0,	0.0);	(	437200.4,	3725674.5,	217.6,	242.0,	0.0);
(	437175.2,	3725634.8,	218.4,	242.0,	0.0);	(	437170.2,	3725626.8,	218.9,	242.0,	0.0);
(	437165.1,	3725618.8,	218.4,	242.0,	0.0);	(	437160.1,	3725610.9,	217.9,	242.0,	0.0);
(	437155.0,	3725602.9,	217.6,	242.0,	0.0);	(	437150.0,	3725595.0,	217.5,	242.0,	0.0);
(	437134.8,	3725571.1,	216.1,	242.0,	0.0);	(	437129.8,	3725563.1,	215.8,	242.0,	0.0);
(	437124.7,	3725555.2,	215.8,	242.0,	0.0);	(	437245.9,	3725746.2,	216.5,	245.0,	0.0);
(	437253.2,	3725752.5,	216.3,	245.0,	0.0);	(	437260.6,	3725758.7,	215.9,	251.0,	0.0);
(	437268.0,	3725765.0,	215.3,	257.0,	0.0);	(	437275.4,	3725771.3,	214.9,	257.0,	0.0);
(	437282.8,	3725777.6,	214.6,	262.0,	0.0);	(	437312.4,	3725802.7,	216.0,	262.0,	0.0);
(	437319.8,	3725809.0,	216.2,	262.0,	0.0);	(	437327.1,	3725815.3,	216.8,	262.0,	0.0);
(	437221.3,	3725760.9,	218.1,	245.0,	0.0);	(	437216.1,	3725752.7,	218.1,	245.0,	0.0);
(	437210.9,	3725744.6,	218.2,	244.0,	0.0);	(	437205.7,	3725736.4,	218.6,	242.0,	0.0);
(	437169.5,	3725679.3,	219.8,	242.0,	0.0);	(	437164.3,	3725671.1,	220.1,	242.0,	0.0);
(	437159.2,	3725662.9,	220.4,	242.0,	0.0);	(	437154.0,	3725654.8,	220.5,	242.0,	0.0);
(	437148.8,	3725646.6,	220.9,	242.0,	0.0);	(	437143.6,	3725638.5,	221.1,	242.0,	0.0);
(	437138.5,	3725630.3,	221.2,	242.0,	0.0);	(	437133.3,	3725622.1,	221.0,	242.0,	0.0);
(	437102.2,	3725573.2,	218.7,	242.0,	0.0);	(	437307.7,	3725838.1,	218.5,	262.0,	0.0);
(	437176.1,	3725743.1,	221.4,	242.0,	0.0);	(	437170.9,	3725735.0,	221.9,	242.0,	0.0);
(	437165.8,	3725726.9,	222.4,	242.0,	0.0);	(	437160.6,	3725718.8,	222.9,	242.0,	0.0);
(	437140.0,	3725686.3,	224.0,	242.0,	0.0);	(	437134.9,	3725678.1,	223.9,	242.0,	0.0);
(	437129.7,	3725670.0,	223.7,	242.0,	0.0);	(	437098.8,	3725621.3,	222.0,	242.0,	0.0);
(	437093.6,	3725613.1,	221.7,	242.0,	0.0);	(	437088.5,	3725605.0,	221.3,	242.0,	0.0);
(	437083.3,	3725596.9,	220.9,	242.0,	0.0);	(	437176.0,	3725814.4,	223.7,	245.0,	0.0);
(	437170.9,	3725806.3,	223.9,	245.0,	0.0);	(	437165.8,	3725798.3,	224.0,	244.0,	0.0);
(	437160.8,	3725790.3,	224.2,	244.0,	0.0);	(	437155.7,	3725782.3,	224.5,	242.0,	0.0);
(	437125.2,	3725734.2,	228.8,	242.0,	0.0);	(	437120.1,	3725726.2,	229.5,	242.0,	0.0);
(	437115.0,	3725718.1,	230.0,	242.0,	0.0);	(	437109.9,	3725710.1,	230.1,	242.0,	0.0);
(	437104.8,	3725702.1,	229.8,	242.0,	0.0);	(	437099.8,	3725694.1,	229.4,	242.0,	0.0);
(	437094.7,	3725686.1,	229.0,	242.0,	0.0);	(	437089.6,	3725678.1,	228.5,	242.0,	0.0);
(	437084.5,	3725670.0,	227.8,	242.0,	0.0);	(	437079.4,	3725662.0,	227.0,	242.0,	0.0);
(	437059.1,	3725630.0,	223.4,	242.0,	0.0);	(	437054.0,	3725621.9,	222.7,	242.0,	0.0);
(	437048.9,	3725613.9,	222.2,	242.0,	0.0);	(	437181.1,	3725822.4,	223.6,	245.0,	0.0);
(	437188.5,	3725828.6,	223.3,	246.0,	0.0);	(	437195.9,	3725834.9,	223.2,	246.0,	0.0);
(	437203.3,	3725841.2,	222.8,	251.0,	0.0);	(	437210.7,	3725847.5,	222.6,	251.0,	0.0);
(	437218.0,	3725853.8,	222.5,	254.0,	0.0);	(	437225.4,	3725860.0,	222.6,	257.0,	0.0);
(	437232.8,	3725866.3,	222.9,	257.0,	0.0);	(	437240.2,	3725872.6,	223.3,	257.0,	0.0);
(	437247.6,	3725878.9,	223.7,	257.0,	0.0);	(	437255.0,	3725885.2,	224.1,	257.0,	0.0);
(	437262.4,	3725891.4,	224.4,	257.0,	0.0);	(	437150.0,	3725844.7,	227.5,	245.0,	0.0);
(	437144.9,	3725836.6,	227.5,	244.0,	0.0);	(	437119.2,	3725796.1,	230.1,	242.0,	0.0);
(	437114.0,	3725787.9,	231.1,	242.0,	0.0);	(	437108.9,	3725779.8,	232.2,	242.0,	0.0);
(	437103.8,	3725771.7,	233.5,	242.0,	0.0);	(	437072.9,	3725723.0,	236.0,	242.0,	0.0);
(	437052.3,	3725690.6,	231.6,	242.0,	0.0);	(	437047.2,	3725682.5,	230.3,	242.0,	0.0);
(	437042.0,	3725674.4,	229.0,	242.0,	0.0);	(	437036.9,	3725666.3,	227.8,	242.0,	0.0);
(	437031.7,	3725658.1,	226.9,	242.0,	0.0);	(	437026.6,	3725650.0,	226.2,	242.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437155.2,	3725852.8,	227.6,	245.0,	0.0);	(437162.6,	3725859.1,	227.2,	246.0,	0.0);
(437170.0,	3725865.4,	226.9,	246.0,	0.0);	(437177.4,	3725871.7,	226.6,	246.0,	0.0);
(437184.8,	3725878.0,	226.5,	247.0,	0.0);	(437192.1,	3725884.2,	226.4,	251.0,	0.0);
(437199.5,	3725890.5,	226.5,	251.0,	0.0);	(437206.9,	3725896.8,	226.8,	251.0,	0.0);
(437214.3,	3725903.1,	227.2,	251.0,	0.0);	(437221.7,	3725909.4,	227.6,	254.0,	0.0);
(437229.1,	3725915.6,	228.0,	254.0,	0.0);	(437236.5,	3725921.9,	228.2,	257.0,	0.0);
(437124.2,	3725875.3,	232.3,	244.0,	0.0);	(437119.1,	3725867.3,	232.2,	241.0,	0.0);
(437114.0,	3725859.3,	232.1,	241.0,	0.0);	(437109.0,	3725851.3,	232.2,	242.0,	0.0);
(437103.9,	3725843.2,	232.8,	242.0,	0.0);	(437098.8,	3725835.2,	233.5,	242.0,	0.0);
(437093.7,	3725827.2,	234.9,	242.0,	0.0);	(437088.6,	3725819.2,	236.1,	242.0,	0.0);
(437027.6,	3725723.0,	232.9,	242.0,	0.0);	(437022.5,	3725715.0,	231.3,	242.0,	0.0);
(437017.4,	3725707.0,	230.5,	242.0,	0.0);	(437012.4,	3725698.9,	229.6,	242.0,	0.0);
(437007.3,	3725690.9,	228.6,	242.0,	0.0);	(437002.2,	3725682.9,	227.5,	242.0,	0.0);
(436997.1,	3725674.9,	226.4,	242.0,	0.0);	(436992.0,	3725666.9,	225.6,	242.0,	0.0);
(436986.9,	3725658.8,	224.8,	242.0,	0.0);	(436981.8,	3725650.8,	223.9,	242.0,	0.0);
(436936.1,	3725578.7,	222.6,	225.0,	0.0);	(436931.0,	3725570.7,	222.4,	225.0,	0.0);
(437129.3,	3725883.3,	232.4,	244.0,	0.0);	(437136.7,	3725889.6,	231.9,	245.0,	0.0);
(437144.1,	3725895.9,	231.5,	245.0,	0.0);	(437151.5,	3725902.2,	231.1,	246.0,	0.0);
(437158.8,	3725908.4,	230.8,	246.0,	0.0);	(437166.2,	3725914.7,	230.5,	247.0,	0.0);
(437173.6,	3725921.0,	230.5,	247.0,	0.0);	(437181.0,	3725927.3,	230.8,	247.0,	0.0);
(437188.4,	3725933.6,	231.2,	247.0,	0.0);	(437195.8,	3725939.8,	231.6,	251.0,	0.0);
(437203.2,	3725946.1,	231.8,	251.0,	0.0);	(437210.6,	3725952.4,	231.9,	251.0,	0.0);
(437098.2,	3725905.7,	238.0,	241.0,	0.0);	(437093.1,	3725897.6,	238.3,	240.0,	0.0);
(437088.0,	3725889.5,	238.5,	240.0,	0.0);	(437082.8,	3725881.4,	239.0,	239.0,	0.0);
(437077.7,	3725873.3,	239.3,	239.3,	0.0);	(437072.6,	3725865.2,	239.4,	239.4,	0.0);
(437067.4,	3725857.1,	239.5,	239.5,	0.0);	(437062.3,	3725849.0,	239.6,	239.6,	0.0);
(437057.1,	3725840.9,	239.7,	239.7,	0.0);	(437052.0,	3725832.8,	239.9,	239.9,	0.0);
(437046.9,	3725824.7,	240.4,	240.4,	0.0);	(437041.7,	3725816.6,	240.6,	240.6,	0.0);
(437036.6,	3725808.5,	240.6,	240.6,	0.0);	(437031.5,	3725800.4,	240.4,	240.4,	0.0);
(437026.3,	3725792.3,	240.0,	240.0,	0.0);	(437021.2,	3725784.2,	239.4,	239.4,	0.0);
(437016.0,	3725776.1,	238.2,	242.0,	0.0);	(437010.9,	3725768.0,	235.9,	242.0,	0.0);
(437005.8,	3725759.9,	233.8,	242.0,	0.0);	(436974.9,	3725711.2,	225.8,	242.0,	0.0);
(436969.8,	3725703.1,	224.8,	242.0,	0.0);	(436964.7,	3725695.0,	223.9,	242.0,	0.0);
(436959.5,	3725686.9,	223.0,	242.0,	0.0);	(436954.4,	3725678.8,	221.9,	242.0,	0.0);
(436903.0,	3725597.8,	225.0,	225.0,	0.0);	(436897.9,	3725589.7,	225.1,	225.1,	0.0);
(436892.7,	3725581.6,	225.2,	225.2,	0.0);	(436887.6,	3725573.5,	225.4,	225.4,	0.0);
(437103.4,	3725913.8,	237.9,	241.0,	0.0);	(437110.8,	3725920.1,	237.4,	241.0,	0.0);
(437118.2,	3725926.4,	236.6,	244.0,	0.0);	(437125.6,	3725932.6,	236.1,	245.0,	0.0);
(437133.0,	3725938.9,	236.0,	245.0,	0.0);	(437140.3,	3725945.2,	236.1,	245.0,	0.0);
(437147.7,	3725951.5,	236.5,	245.0,	0.0);	(437155.1,	3725957.8,	236.8,	246.0,	0.0);
(437162.5,	3725964.0,	237.3,	246.0,	0.0);	(437169.9,	3725970.3,	237.8,	246.0,	0.0);
(437177.3,	3725976.6,	238.6,	246.0,	0.0);	(437184.7,	3725982.9,	239.4,	246.0,	0.0);
(437072.3,	3725936.1,	238.6,	241.0,	0.0);	(437067.1,	3725927.9,	239.0,	241.0,	0.0);
(437061.9,	3725919.8,	238.9,	241.0,	0.0);	(437056.7,	3725911.6,	239.0,	239.0,	0.0);
(437051.5,	3725903.4,	239.3,	239.3,	0.0);	(437046.4,	3725895.2,	239.6,	240.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(METERS)

(	437041.2,	3725887.0,	239.4,	239.4,	0.0);	(	437036.0,	3725878.8,	239.3,	239.3,	0.0);
(	437030.8,	3725870.7,	239.4,	239.4,	0.0);	(	437025.6,	3725862.5,	239.6,	239.6,	0.0);
(	437020.4,	3725854.3,	239.8,	239.8,	0.0);	(	437015.2,	3725846.1,	239.5,	241.0,	0.0);
(	437010.0,	3725837.9,	239.0,	241.0,	0.0);	(	437004.9,	3725829.8,	237.6,	241.0,	0.0);
(	436999.7,	3725821.6,	235.9,	241.0,	0.0);	(	436994.5,	3725813.4,	234.0,	242.0,	0.0);
(	436989.3,	3725805.2,	232.0,	242.0,	0.0);	(	436984.1,	3725797.0,	231.1,	242.0,	0.0);
(	436978.9,	3725788.9,	230.4,	242.0,	0.0);	(	436973.7,	3725780.7,	229.8,	242.0,	0.0);
(	436968.5,	3725772.5,	229.0,	242.0,	0.0);	(	436963.3,	3725764.3,	227.7,	242.0,	0.0);
(	436958.2,	3725756.1,	226.5,	242.0,	0.0);	(	436927.0,	3725707.0,	219.7,	242.0,	0.0);
(	436921.8,	3725698.9,	218.0,	242.0,	0.0);	(	436875.2,	3725625.2,	226.6,	226.6,	0.0);
(	436870.0,	3725617.1,	226.7,	226.7,	0.0);	(	436864.8,	3725608.9,	226.4,	226.4,	0.0);
(	436859.6,	3725600.7,	226.1,	226.1,	0.0);	(	436854.4,	3725592.5,	226.1,	226.1,	0.0);
(	436849.2,	3725584.3,	226.3,	226.3,	0.0);	(	436844.0,	3725576.2,	226.6,	226.6,	0.0);
(	436838.8,	3725568.0,	226.9,	226.9,	0.0);	(	437077.5,	3725944.3,	238.7,	241.0,	0.0);
(	437084.9,	3725950.6,	238.7,	238.7,	0.0);	(	437092.3,	3725956.8,	238.8,	238.8,	0.0);
(	437099.6,	3725963.1,	238.9,	244.0,	0.0);	(	437107.0,	3725969.4,	239.6,	244.0,	0.0);
(	437114.4,	3725975.7,	240.3,	244.0,	0.0);	(	437121.8,	3725982.0,	241.3,	244.0,	0.0);
(	437129.2,	3725988.2,	242.6,	244.0,	0.0);	(	437136.6,	3725994.5,	243.8,	243.8,	0.0);
(	437144.0,	3726000.8,	244.3,	244.3,	0.0);	(	437151.4,	3726007.1,	244.3,	244.3,	0.0);
(	437158.8,	3726013.4,	244.7,	244.7,	0.0);	(	437046.5,	3725966.7,	227.1,	247.0,	0.0);
(	437041.3,	3725958.6,	227.6,	246.0,	0.0);	(	437036.2,	3725950.5,	228.5,	246.0,	0.0);
(	437031.0,	3725942.4,	229.3,	245.0,	0.0);	(	437025.9,	3725934.3,	229.9,	245.0,	0.0);
(	437020.8,	3725926.2,	230.3,	244.0,	0.0);	(	437015.6,	3725918.1,	230.9,	241.0,	0.0);
(	437010.5,	3725910.0,	231.6,	241.0,	0.0);	(	437005.4,	3725901.9,	232.1,	241.0,	0.0);
(	437000.2,	3725893.8,	232.4,	241.0,	0.0);	(	436995.1,	3725885.7,	232.4,	241.0,	0.0);
(	436990.0,	3725877.6,	232.5,	241.0,	0.0);	(	436984.8,	3725869.5,	232.8,	241.0,	0.0);
(	436979.7,	3725861.4,	232.5,	241.0,	0.0);	(	436974.6,	3725853.4,	231.9,	241.0,	0.0);
(	436969.5,	3725845.3,	231.3,	242.0,	0.0);	(	436964.3,	3725837.2,	230.8,	242.0,	0.0);
(	436959.2,	3725829.1,	229.2,	242.0,	0.0);	(	436954.0,	3725821.0,	227.9,	242.0,	0.0);
(	436948.9,	3725812.9,	226.6,	242.0,	0.0);	(	436943.8,	3725804.8,	225.4,	242.0,	0.0);
(	436938.7,	3725796.7,	225.0,	242.0,	0.0);	(	436933.5,	3725788.6,	224.5,	242.0,	0.0);
(	436928.4,	3725780.5,	223.8,	242.0,	0.0);	(	436923.3,	3725772.4,	222.6,	242.0,	0.0);
(	436918.1,	3725764.3,	221.5,	242.0,	0.0);	(	436913.0,	3725756.2,	220.4,	242.0,	0.0);
(	436841.1,	3725642.9,	222.1,	227.0,	0.0);	(	436836.0,	3725634.8,	223.5,	227.0,	0.0);
(	436830.9,	3725626.7,	224.7,	226.0,	0.0);	(	436825.7,	3725618.6,	224.4,	226.0,	0.0);
(	436820.6,	3725610.5,	224.1,	224.1,	0.0);	(	436815.5,	3725602.4,	224.1,	224.1,	0.0);
(	437051.6,	3725974.8,	227.0,	247.0,	0.0);	(	437059.0,	3725981.0,	228.0,	247.0,	0.0);
(	437066.4,	3725987.3,	228.9,	247.0,	0.0);	(	437073.8,	3725993.6,	230.2,	247.0,	0.0);
(	437081.1,	3725999.9,	231.5,	247.0,	0.0);	(	437088.5,	3726006.2,	233.1,	247.0,	0.0);
(	437095.9,	3726012.4,	234.6,	247.0,	0.0);	(	437103.3,	3726018.7,	236.3,	246.0,	0.0);
(	437110.7,	3726025.0,	238.2,	246.0,	0.0);	(	437118.1,	3726031.3,	239.7,	246.0,	0.0);
(	437125.5,	3726037.6,	241.0,	246.0,	0.0);	(	437132.9,	3726043.8,	242.0,	246.0,	0.0);
(	437020.5,	3725997.1,	220.9,	251.0,	0.0);	(	437015.3,	3725988.9,	219.9,	251.0,	0.0);
(	437010.1,	3725980.8,	220.2,	251.0,	0.0);	(	437005.0,	3725972.6,	220.8,	247.0,	0.0);
(	436999.8,	3725964.4,	221.3,	247.0,	0.0);	(	436994.6,	3725956.3,	221.7,	247.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	436989.4,	3725948.1,	222.1,	247.0,	0.0);	(	436984.2,	3725939.9,	222.7,	246.0,	0.0);
(	436979.1,	3725931.8,	223.3,	246.0,	0.0);	(	436973.9,	3725923.6,	223.8,	245.0,	0.0);
(	436968.7,	3725915.4,	224.2,	245.0,	0.0);	(	436963.5,	3725907.3,	224.5,	244.0,	0.0);
(	436958.4,	3725899.1,	224.6,	242.0,	0.0);	(	436953.2,	3725890.9,	225.2,	242.0,	0.0);
(	436948.0,	3725882.8,	225.8,	242.0,	0.0);	(	436942.8,	3725874.6,	226.4,	242.0,	0.0);
(	436937.6,	3725866.4,	226.8,	242.0,	0.0);	(	436932.5,	3725858.3,	226.6,	242.0,	0.0);
(	436927.3,	3725850.1,	226.5,	242.0,	0.0);	(	436922.1,	3725841.9,	226.8,	242.0,	0.0);
(	436916.9,	3725833.8,	226.7,	242.0,	0.0);	(	436911.8,	3725825.6,	225.5,	242.0,	0.0);
(	436906.6,	3725817.4,	224.2,	242.0,	0.0);	(	436901.4,	3725809.3,	222.6,	242.0,	0.0);
(	436896.2,	3725801.1,	221.4,	242.0,	0.0);	(	436891.0,	3725792.9,	220.5,	242.0,	0.0);
(	436885.9,	3725784.8,	219.6,	242.0,	0.0);	(	436880.7,	3725776.6,	218.7,	242.0,	0.0);
(	436875.5,	3725768.4,	217.6,	242.0,	0.0);	(	436870.3,	3725760.3,	215.9,	242.0,	0.0);
(	436865.1,	3725752.1,	214.5,	242.0,	0.0);	(	436808.2,	3725662.3,	215.0,	242.0,	0.0);
(	437025.7,	3726005.2,	221.9,	251.0,	0.0);	(	437033.1,	3726011.5,	222.8,	251.0,	0.0);
(	437040.5,	3726017.8,	223.6,	251.0,	0.0);	(	437047.8,	3726024.1,	224.7,	251.0,	0.0);
(	437055.2,	3726030.4,	226.3,	251.0,	0.0);	(	437062.6,	3726036.6,	227.8,	249.0,	0.0);
(	437070.0,	3726042.9,	228.9,	249.0,	0.0);	(	437077.4,	3726049.2,	229.9,	247.0,	0.0);
(	437084.8,	3726055.5,	231.5,	247.0,	0.0);	(	437092.2,	3726061.8,	233.2,	247.0,	0.0);
(	437099.6,	3726068.0,	234.6,	247.0,	0.0);	(	437107.0,	3726074.3,	235.7,	247.0,	0.0);
(	436994.6,	3726027.6,	221.0,	249.0,	0.0);	(	436989.5,	3726019.5,	219.5,	251.0,	0.0);
(	436984.4,	3726011.5,	218.4,	251.0,	0.0);	(	436979.3,	3726003.4,	217.7,	251.0,	0.0);
(	436974.1,	3725995.3,	217.1,	251.0,	0.0);	(	436969.0,	3725987.2,	216.6,	251.0,	0.0);
(	436963.9,	3725979.1,	217.0,	247.0,	0.0);	(	436958.7,	3725971.0,	217.5,	247.0,	0.0);
(	436953.6,	3725962.9,	217.9,	247.0,	0.0);	(	436948.5,	3725954.8,	218.4,	247.0,	0.0);
(	436943.4,	3725946.8,	218.7,	246.0,	0.0);	(	436938.2,	3725938.7,	218.9,	246.0,	0.0);
(	436933.1,	3725930.6,	219.0,	246.0,	0.0);	(	436928.0,	3725922.5,	219.4,	245.0,	0.0);
(	436922.8,	3725914.4,	220.3,	245.0,	0.0);	(	436917.7,	3725906.3,	221.2,	242.0,	0.0);
(	436912.6,	3725898.2,	222.2,	242.0,	0.0);	(	436907.5,	3725890.1,	223.0,	242.0,	0.0);
(	436902.3,	3725882.1,	223.9,	241.0,	0.0);	(	436897.2,	3725874.0,	225.0,	241.0,	0.0);
(	436892.1,	3725865.9,	226.0,	241.0,	0.0);	(	436886.9,	3725857.8,	226.2,	241.0,	0.0);
(	436881.8,	3725849.7,	226.2,	241.0,	0.0);	(	436866.4,	3725825.4,	224.8,	241.0,	0.0);
(	436861.3,	3725817.4,	223.7,	241.0,	0.0);	(	436856.2,	3725809.3,	222.8,	241.0,	0.0);
(	436851.0,	3725801.2,	221.9,	242.0,	0.0);	(	436845.9,	3725793.1,	221.2,	242.0,	0.0);
(	436840.8,	3725785.0,	220.6,	242.0,	0.0);	(	436835.6,	3725776.9,	220.1,	242.0,	0.0);
(	436830.5,	3725768.8,	218.9,	242.0,	0.0);	(	436825.4,	3725760.8,	217.7,	242.0,	0.0);
(	436999.8,	3726035.7,	222.6,	247.0,	0.0);	(	437007.2,	3726042.0,	224.2,	247.0,	0.0);
(	437014.5,	3726048.3,	225.8,	247.0,	0.0);	(	437021.9,	3726054.6,	227.5,	247.0,	0.0);
(	437029.3,	3726060.8,	228.8,	247.0,	0.0);	(	437036.7,	3726067.1,	230.1,	247.0,	0.0);
(	437044.1,	3726073.4,	231.4,	247.0,	0.0);	(	437051.5,	3726079.7,	231.9,	247.0,	0.0);
(	437058.9,	3726086.0,	231.3,	247.0,	0.0);	(	437066.3,	3726092.2,	230.2,	247.0,	0.0);
(	437073.7,	3726098.5,	228.8,	251.0,	0.0);	(	437081.0,	3726104.8,	227.3,	255.0,	0.0);
(	436968.7,	3726058.0,	221.5,	247.0,	0.0);	(	436963.5,	3726049.9,	219.9,	247.0,	0.0);
(	436958.4,	3726041.8,	218.3,	247.0,	0.0);	(	436953.2,	3726033.6,	216.7,	249.0,	0.0);
(	436948.0,	3726025.4,	215.4,	251.0,	0.0);	(	436942.8,	3726017.3,	214.4,	251.0,	0.0);
(	436937.7,	3726009.1,	214.0,	251.0,	0.0);	(	436932.5,	3726001.0,	213.8,	251.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436927.3,	3725992.8,	213.7,	249.0,	0.0);	(436922.2,	3725984.7,	213.9,	247.0,	0.0);
(436917.0,	3725976.5,	214.5,	247.0,	0.0);	(436911.8,	3725968.4,	215.2,	247.0,	0.0);
(436906.7,	3725960.2,	215.8,	246.0,	0.0);	(436901.5,	3725952.1,	216.3,	246.0,	0.0);
(436896.3,	3725943.9,	216.8,	246.0,	0.0);	(436891.1,	3725935.8,	217.5,	245.0,	0.0);
(436886.0,	3725927.6,	218.3,	242.0,	0.0);	(436880.8,	3725919.4,	219.4,	242.0,	0.0);
(436875.6,	3725911.3,	220.4,	241.0,	0.0);	(436870.5,	3725903.1,	221.3,	241.0,	0.0);
(436865.3,	3725895.0,	222.1,	241.0,	0.0);	(436860.1,	3725886.8,	223.0,	241.0,	0.0);
(436855.0,	3725878.7,	223.8,	241.0,	0.0);	(436834.3,	3725846.1,	223.8,	223.8,	0.0);
(436829.1,	3725837.9,	223.6,	223.6,	0.0);	(436823.9,	3725829.8,	223.2,	223.2,	0.0);
(436818.8,	3725821.6,	222.7,	222.7,	0.0);	(436813.6,	3725813.5,	222.3,	222.3,	0.0);
(436808.4,	3725805.3,	221.9,	221.9,	0.0);	(436803.2,	3725797.2,	221.0,	221.0,	0.0);
(436798.1,	3725789.0,	220.1,	220.1,	0.0);	(436792.9,	3725780.8,	219.2,	219.2,	0.0);
(436687.9,	3725073.9,	224.1,	233.0,	0.0);	(436973.9,	3726066.2,	223.2,	247.0,	0.0);
(436981.3,	3726072.5,	225.2,	247.0,	0.0);	(436988.6,	3726078.8,	226.9,	246.0,	0.0);
(436996.0,	3726085.0,	228.0,	246.0,	0.0);	(437003.4,	3726091.3,	228.9,	245.0,	0.0);
(437010.8,	3726097.6,	229.5,	245.0,	0.0);	(437018.2,	3726103.9,	230.0,	245.0,	0.0);
(437025.6,	3726110.2,	229.5,	246.0,	0.0);	(437033.0,	3726116.4,	228.4,	247.0,	0.0);
(437040.4,	3726122.7,	226.9,	249.0,	0.0);	(437047.8,	3726129.0,	225.2,	251.0,	0.0);
(437055.1,	3726135.3,	223.2,	257.0,	0.0);	(436942.8,	3726088.6,	220.5,	247.0,	0.0);
(436937.7,	3726080.5,	218.8,	247.0,	0.0);	(436932.6,	3726072.4,	217.0,	247.0,	0.0);
(436927.5,	3726064.4,	215.1,	249.0,	0.0);	(436922.3,	3726056.3,	213.5,	251.0,	0.0);
(436917.2,	3726048.2,	212.0,	251.0,	0.0);	(436912.1,	3726040.1,	211.2,	251.0,	0.0);
(436907.0,	3726032.0,	210.7,	251.0,	0.0);	(436901.8,	3726023.9,	210.2,	251.0,	0.0);
(436896.7,	3726015.9,	209.9,	251.0,	0.0);	(436891.6,	3726007.8,	210.6,	249.0,	0.0);
(436886.5,	3725999.7,	211.2,	247.0,	0.0);	(436881.3,	3725991.6,	211.8,	247.0,	0.0);
(436876.2,	3725983.5,	212.5,	247.0,	0.0);	(436871.1,	3725975.5,	213.1,	246.0,	0.0);
(436866.0,	3725967.4,	213.9,	246.0,	0.0);	(436860.8,	3725959.3,	214.7,	245.0,	0.0);
(436855.7,	3725951.2,	215.7,	245.0,	0.0);	(436850.6,	3725943.1,	217.0,	241.0,	0.0);
(436845.5,	3725935.0,	218.4,	241.0,	0.0);	(436840.3,	3725927.0,	219.8,	241.0,	0.0);
(436835.2,	3725918.9,	220.3,	241.0,	0.0);	(436830.1,	3725910.8,	220.7,	220.7,	0.0);
(436804.5,	3725870.4,	221.5,	221.5,	0.0);	(436799.3,	3725862.3,	221.4,	221.4,	0.0);
(436794.2,	3725854.2,	221.4,	221.4,	0.0);	(436789.1,	3725846.1,	221.3,	221.3,	0.0);
(436784.0,	3725838.1,	221.2,	221.2,	0.0);	(436778.8,	3725830.0,	220.8,	220.8,	0.0);
(436773.7,	3725821.9,	220.1,	220.1,	0.0);	(436768.6,	3725813.8,	219.5,	219.5,	0.0);
(436763.5,	3725805.7,	218.9,	218.9,	0.0);	(436948.0,	3726096.7,	222.1,	246.0,	0.0);
(436955.3,	3726103.0,	224.0,	245.0,	0.0);	(436962.7,	3726109.2,	225.0,	245.0,	0.0);
(436970.1,	3726115.5,	225.0,	245.0,	0.0);	(436977.5,	3726121.8,	224.9,	246.0,	0.0);
(436984.9,	3726128.1,	224.7,	247.0,	0.0);	(436992.3,	3726134.4,	224.2,	247.0,	0.0);
(436999.7,	3726140.6,	223.1,	247.0,	0.0);	(437007.1,	3726146.9,	221.8,	251.0,	0.0);
(437014.5,	3726153.2,	220.6,	255.0,	0.0);	(437021.9,	3726159.5,	219.3,	257.0,	0.0);
(437029.2,	3726165.8,	218.1,	257.0,	0.0);	(437520.1,	3725611.3,	215.7,	245.0,	0.0);
(437507.5,	3725626.9,	217.6,	245.0,	0.0);	(437495.0,	3725642.5,	220.1,	226.0,	0.0);
(437470.5,	3725661.3,	224.3,	224.3,	0.0);	(437482.1,	3725670.6,	223.7,	226.0,	0.0);
(437451.7,	3725684.7,	226.5,	226.5,	0.0);	(437463.3,	3725694.0,	226.2,	226.2,	0.0);
(437432.9,	3725708.1,	227.0,	227.0,	0.0);	(437444.6,	3725717.4,	226.8,	226.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437425.8,	3725740.8,	226.2,	226.2,	0.0);	(437407.0,	3725764.2,	223.3,	245.0,	0.0);
(	437357.9,	3725801.7,	217.3,	262.0,	0.0);	(437335.1,	3725821.8,	217.3,	262.0,	0.0);
(	437344.9,	3725829.8,	217.8,	263.0,	0.0);	(437316.1,	3725845.1,	218.7,	262.0,	0.0);
(	437326.2,	3725853.2,	219.0,	262.0,	0.0);	(437271.8,	3725899.3,	224.8,	257.0,	0.0);
(	437282.4,	3725907.8,	225.0,	258.0,	0.0);	(437246.5,	3725930.2,	228.2,	257.0,	0.0);
(	437257.4,	3725939.0,	228.4,	257.0,	0.0);	(437221.2,	3725961.2,	232.5,	251.0,	0.0);
(	437232.4,	3725970.3,	233.2,	254.0,	0.0);	(437195.9,	3725992.2,	239.9,	246.0,	0.0);
(	437207.3,	3726001.5,	239.9,	246.0,	0.0);	(437172.1,	3726024.3,	245.1,	245.1,	0.0);
(	437182.3,	3726032.7,	244.8,	244.8,	0.0);	(437146.8,	3726055.4,	242.7,	246.0,	0.0);
(	437157.3,	3726063.9,	243.5,	246.0,	0.0);	(437121.6,	3726086.4,	235.2,	247.0,	0.0);
(	437132.3,	3726095.1,	235.3,	249.0,	0.0);	(437096.3,	3726117.4,	226.6,	257.0,	0.0);
(	437107.3,	3726126.3,	226.2,	257.0,	0.0);	(437071.1,	3726148.5,	220.9,	257.0,	0.0);
(	437082.3,	3726157.5,	219.6,	259.0,	0.0);	(437045.9,	3726179.5,	215.8,	259.0,	0.0);
(	437057.2,	3726188.7,	214.8,	259.0,	0.0);	(437676.4,	3725482.0,	205.0,	245.0,	0.0);
(	437598.1,	3725572.8,	207.7,	246.0,	0.0);	(437532.2,	3725621.7,	215.4,	245.0,	0.0);
(	437545.8,	3725633.4,	214.8,	246.0,	0.0);	(437519.2,	3725636.8,	217.8,	245.0,	0.0);
(	437526.0,	3725642.7,	217.9,	245.0,	0.0);	(437493.3,	3725680.6,	223.3,	226.0,	0.0);
(	437500.1,	3725686.4,	223.0,	245.0,	0.0);	(437473.7,	3725703.3,	225.7,	225.7,	0.0);
(	437480.5,	3725709.1,	225.2,	225.2,	0.0);	(437454.1,	3725726.0,	226.7,	226.7,	0.0);
(	437434.5,	3725748.7,	226.6,	226.6,	0.0);	(437414.9,	3725771.4,	224.0,	245.0,	0.0);
(	437395.3,	3725794.1,	220.9,	262.0,	0.0);	(437356.1,	3725839.6,	218.6,	263.0,	0.0);
(	437362.9,	3725845.4,	219.2,	263.0,	0.0);	(437336.5,	3725862.3,	219.2,	263.0,	0.0);
(	437343.3,	3725868.1,	219.4,	263.0,	0.0);	(437290.8,	3725915.3,	225.2,	258.0,	0.0);
(	437297.6,	3725921.1,	225.4,	262.0,	0.0);	(437264.7,	3725945.6,	228.8,	257.0,	0.0);
(	437271.5,	3725951.4,	229.1,	257.0,	0.0);	(437245.4,	3725981.7,	234.3,	254.0,	0.0);
(	437219.2,	3726012.0,	240.2,	247.0,	0.0);	(437193.1,	3726042.3,	244.9,	244.9,	0.0);
(	437167.0,	3726072.6,	244.6,	244.6,	0.0);	(437140.8,	3726102.9,	235.6,	251.0,	0.0);
(	437114.7,	3726133.2,	225.8,	257.0,	0.0);	(437719.8,	3725444.8,	209.2,	222.0,	0.0);
(	437728.2,	3725437.2,	210.9,	220.0,	0.0);	(437738.0,	3725425.7,	212.9,	218.0,	0.0);
(	437726.3,	3725451.8,	209.2,	222.0,	0.0);	(437712.3,	3725454.9,	207.7,	224.0,	0.0);
(	437735.8,	3725443.7,	210.9,	222.0,	0.0);	(437745.6,	3725432.1,	212.9,	220.0,	0.0);
(	437733.3,	3725458.6,	209.2,	224.0,	0.0);	(437723.1,	3725463.8,	207.9,	224.0,	0.0);
(	437712.5,	3725464.6,	207.0,	224.0,	0.0);	(437701.5,	3725461.0,	206.5,	224.0,	0.0);
(	437743.4,	3725450.2,	211.0,	222.0,	0.0);	(437753.2,	3725438.6,	213.0,	216.0,	0.0);
(	437740.6,	3725465.2,	209.2,	224.0,	0.0);	(437729.7,	3725470.8,	207.8,	226.0,	0.0);
(	437712.9,	3725474.5,	206.3,	224.0,	0.0);	(437701.2,	3725470.7,	206.0,	224.0,	0.0);
(	437751.0,	3725456.7,	211.0,	224.0,	0.0);	(437760.8,	3725445.1,	213.2,	213.2,	0.0);
(	437748.0,	3725471.8,	209.0,	226.0,	0.0);	(437736.6,	3725477.7,	207.7,	226.0,	0.0);
(	437725.2,	3725483.5,	206.7,	226.0,	0.0);	(437713.4,	3725484.4,	205.9,	245.0,	0.0);
(	437701.2,	3725480.4,	205.6,	245.0,	0.0);	(437758.6,	3725463.2,	210.8,	224.0,	0.0);
(	437755.5,	3725478.4,	208.9,	226.0,	0.0);	(437743.7,	3725484.4,	207.7,	226.0,	0.0);
(	437732.0,	3725490.4,	206.7,	226.0,	0.0);	(437714.0,	3725494.3,	205.6,	245.0,	0.0);
(	437701.5,	3725490.2,	205.4,	245.0,	0.0);	(437689.0,	3725486.1,	205.2,	245.0,	0.0);
(	437766.2,	3725469.6,	210.6,	226.0,	0.0);	(437762.9,	3725485.0,	208.7,	226.0,	0.0);
(	437751.0,	3725491.1,	207.6,	226.0,	0.0);	(437739.0,	3725497.2,	206.6,	245.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437727.0,	3725503.3,	205.7,	245.0,	0.0);	(437714.6,	3725504.2,	205.2,	245.0,	0.0);
(437701.8,	3725500.0,	205.2,	245.0,	0.0);	(437689.1,	3725495.8,	205.1,	245.0,	0.0);
(437676.3,	3725491.6,	205.0,	245.0,	0.0);	(437773.8,	3725476.1,	210.4,	226.0,	0.0);
(437770.5,	3725491.5,	208.6,	226.0,	0.0);	(437758.3,	3725497.7,	207.4,	226.0,	0.0);
(437746.1,	3725503.9,	206.4,	245.0,	0.0);	(437734.0,	3725510.1,	205.8,	245.0,	0.0);
(437715.3,	3725514.2,	205.4,	245.0,	0.0);	(437702.3,	3725509.9,	205.1,	245.0,	0.0);
(437689.3,	3725505.6,	205.0,	245.0,	0.0);	(437676.4,	3725501.4,	205.0,	245.0,	0.0);
(437781.5,	3725482.6,	210.5,	226.0,	0.0);	(437791.3,	3725471.0,	212.7,	226.0,	0.0);
(437778.0,	3725498.0,	208.7,	226.0,	0.0);	(437765.7,	3725504.3,	207.0,	226.0,	0.0);
(437753.4,	3725510.6,	206.4,	245.0,	0.0);	(437741.0,	3725516.8,	206.0,	245.0,	0.0);
(437728.7,	3725523.1,	205.8,	245.0,	0.0);	(437716.0,	3725524.1,	205.7,	245.0,	0.0);
(437702.8,	3725519.8,	205.5,	245.0,	0.0);	(437689.7,	3725515.5,	205.3,	245.0,	0.0);
(437676.6,	3725511.2,	205.2,	245.0,	0.0);	(437789.1,	3725489.1,	210.7,	226.0,	0.0);
(437798.9,	3725477.5,	212.8,	226.0,	0.0);	(437785.5,	3725504.5,	208.8,	226.0,	0.0);
(437773.1,	3725510.9,	207.2,	245.0,	0.0);	(437760.7,	3725517.2,	206.4,	245.0,	0.0);
(437748.2,	3725523.5,	206.1,	245.0,	0.0);	(437735.8,	3725529.9,	206.0,	245.0,	0.0);
(437716.7,	3725534.0,	206.0,	245.0,	0.0);	(437703.4,	3725529.7,	205.8,	245.0,	0.0);
(437690.1,	3725525.3,	205.6,	245.0,	0.0);	(437676.9,	3725521.0,	205.5,	245.0,	0.0);
(437663.6,	3725516.6,	205.4,	245.0,	0.0);	(437796.7,	3725495.6,	210.8,	226.0,	0.0);
(437806.5,	3725484.0,	212.7,	226.0,	0.0);	(437800.7,	3725517.5,	209.4,	226.0,	0.0);
(437788.0,	3725524.0,	207.9,	245.0,	0.0);	(437775.4,	3725530.4,	206.6,	245.0,	0.0);
(437762.8,	3725536.8,	206.0,	245.0,	0.0);	(437750.1,	3725543.3,	206.2,	245.0,	0.0);
(437737.5,	3725549.7,	206.4,	245.0,	0.0);	(437718.1,	3725554.0,	206.2,	246.0,	0.0);
(437704.6,	3725549.5,	206.1,	246.0,	0.0);	(437691.2,	3725545.1,	206.2,	246.0,	0.0);
(437677.7,	3725540.7,	206.2,	246.0,	0.0);	(437664.2,	3725536.2,	206.0,	246.0,	0.0);
(437650.7,	3725531.8,	205.9,	246.0,	0.0);	(437811.9,	3725508.5,	211.1,	226.0,	0.0);
(437821.8,	3725497.0,	212.9,	226.0,	0.0);	(437815.8,	3725530.5,	210.0,	226.0,	0.0);
(437803.1,	3725537.0,	208.3,	245.0,	0.0);	(437790.3,	3725543.6,	207.3,	245.0,	0.0);
(437777.5,	3725550.1,	206.8,	245.0,	0.0);	(437764.7,	3725556.6,	206.7,	245.0,	0.0);
(437752.0,	3725563.1,	206.9,	245.0,	0.0);	(437739.2,	3725569.6,	207.1,	246.0,	0.0);
(437719.6,	3725573.9,	206.8,	246.0,	0.0);	(437706.0,	3725569.4,	206.3,	246.0,	0.0);
(437692.3,	3725564.9,	206.6,	246.0,	0.0);	(437678.7,	3725560.4,	206.8,	246.0,	0.0);
(437665.1,	3725556.0,	206.7,	246.0,	0.0);	(437651.4,	3725551.5,	206.5,	246.0,	0.0);
(437637.8,	3725547.0,	206.5,	246.0,	0.0);	(437827.2,	3725521.5,	211.7,	226.0,	0.0);
(437837.0,	3725509.9,	213.5,	226.0,	0.0);	(437779.5,	3725569.8,	207.1,	245.0,	0.0);
(437766.6,	3725576.4,	207.3,	245.0,	0.0);	(437753.7,	3725582.9,	207.6,	246.0,	0.0);
(437740.8,	3725589.5,	207.8,	246.0,	0.0);	(437721.1,	3725593.8,	207.9,	246.0,	0.0);
(437707.3,	3725589.3,	207.6,	260.0,	0.0);	(437693.6,	3725584.8,	207.5,	246.0,	0.0);
(437679.8,	3725580.3,	207.5,	246.0,	0.0);	(437666.1,	3725575.7,	207.5,	246.0,	0.0);
(437652.3,	3725571.2,	207.3,	246.0,	0.0);	(437638.6,	3725566.7,	207.4,	246.0,	0.0);
(437624.9,	3725562.2,	207.6,	246.0,	0.0);	(437846.2,	3725556.5,	212.0,	226.0,	0.0);
(437833.2,	3725563.1,	210.5,	226.0,	0.0);	(437820.3,	3725569.7,	209.1,	245.0,	0.0);
(437755.4,	3725602.8,	208.4,	246.0,	0.0);	(437742.4,	3725609.4,	208.9,	246.0,	0.0);
(437722.5,	3725613.7,	209.2,	260.0,	0.0);	(437708.7,	3725609.2,	208.9,	260.0,	0.0);
(437694.9,	3725604.6,	208.6,	260.0,	0.0);	(437681.0,	3725600.1,	208.3,	260.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437667.2,	3725595.5,	208.4,	260.0,	0.0);	(437653.4,	3725591.0,	208.6,	246.0,	0.0);
(	437639.6,	3725586.5,	208.5,	246.0,	0.0);	(437625.7,	3725581.9,	208.4,	246.0,	0.0);
(	437611.9,	3725577.4,	208.2,	246.0,	0.0);	(437857.6,	3725547.4,	213.4,	226.0,	0.0);
(	437867.5,	3725535.9,	215.1,	225.0,	0.0);	(437861.4,	3725569.5,	213.2,	226.0,	0.0);
(	437848.4,	3725576.1,	212.1,	226.0,	0.0);	(437809.2,	3725596.1,	208.6,	245.0,	0.0);
(	437796.2,	3725602.7,	208.6,	245.0,	0.0);	(437724.0,	3725633.6,	210.8,	260.0,	0.0);
(	437710.1,	3725629.1,	210.3,	262.0,	0.0);	(437696.2,	3725624.5,	209.9,	262.0,	0.0);
(	437682.3,	3725619.9,	209.6,	262.0,	0.0);	(437668.4,	3725615.4,	209.7,	262.0,	0.0);
(	437654.5,	3725610.8,	209.8,	260.0,	0.0);	(437640.6,	3725606.2,	209.7,	260.0,	0.0);
(	437626.7,	3725601.7,	209.4,	260.0,	0.0);	(437612.8,	3725597.1,	209.1,	260.0,	0.0);
(	437598.9,	3725592.5,	208.8,	246.0,	0.0);	(437872.8,	3725560.4,	214.2,	226.0,	0.0);
(	437882.7,	3725548.8,	216.0,	226.0,	0.0);	(437824.2,	3725609.2,	210.6,	245.0,	0.0);
(	437811.1,	3725615.8,	210.5,	245.0,	0.0);	(437798.0,	3725622.5,	210.6,	245.0,	0.0);
(	437784.9,	3725629.2,	210.7,	245.0,	0.0);	(437771.8,	3725635.9,	211.0,	246.0,	0.0);
(	437758.7,	3725642.5,	211.6,	246.0,	0.0);	(437711.6,	3725649.0,	212.3,	262.0,	0.0);
(	437697.6,	3725644.4,	211.8,	262.0,	0.0);	(437683.7,	3725639.8,	211.4,	262.0,	0.0);
(	437669.7,	3725635.2,	211.1,	262.0,	0.0);	(437655.7,	3725630.6,	211.1,	262.0,	0.0);
(	437888.1,	3725573.3,	214.5,	226.0,	0.0);	(437897.9,	3725561.8,	216.5,	226.0,	0.0);
(	437891.8,	3725595.4,	213.3,	227.0,	0.0);	(437878.7,	3725602.1,	213.4,	226.0,	0.0);
(	437865.5,	3725608.8,	213.6,	213.6,	0.0);	(437812.9,	3725635.6,	211.6,	245.0,	0.0);
(	437799.8,	3725642.3,	211.5,	245.0,	0.0);	(437786.6,	3725649.0,	212.0,	246.0,	0.0);
(	437773.5,	3725655.7,	212.8,	246.0,	0.0);	(437760.4,	3725662.4,	213.6,	246.0,	0.0);
(	437747.2,	3725669.1,	214.5,	246.0,	0.0);	(437699.0,	3725664.3,	213.8,	262.0,	0.0);
(	437903.3,	3725586.3,	215.2,	227.0,	0.0);	(437913.1,	3725574.8,	217.3,	226.0,	0.0);
(	437907.0,	3725608.4,	214.4,	227.0,	0.0);	(437893.8,	3725615.1,	213.8,	226.0,	0.0);
(	437880.6,	3725621.8,	213.6,	213.6,	0.0);	(437854.3,	3725635.3,	212.8,	245.0,	0.0);
(	437841.1,	3725642.0,	212.4,	245.0,	0.0);	(437827.9,	3725648.7,	212.0,	245.0,	0.0);
(	437775.2,	3725675.6,	214.1,	260.0,	0.0);	(437762.0,	3725682.3,	215.2,	260.0,	0.0);
(	437748.8,	3725689.0,	216.5,	246.0,	0.0);	(437588.0,	3725647.3,	212.5,	262.0,	0.0);
(	437573.9,	3725642.6,	212.9,	260.0,	0.0);	(437559.9,	3725638.0,	213.4,	246.0,	0.0);
(	437918.5,	3725599.3,	215.7,	227.0,	0.0);	(437928.4,	3725587.7,	217.7,	226.0,	0.0);
(	437922.2,	3725621.4,	214.5,	227.0,	0.0);	(437909.0,	3725628.1,	213.9,	226.0,	0.0);
(	437895.8,	3725634.9,	213.7,	213.7,	0.0);	(437869.3,	3725648.3,	213.1,	245.0,	0.0);
(	437856.1,	3725655.1,	212.9,	245.0,	0.0);	(437842.9,	3725661.8,	212.5,	245.0,	0.0);
(	437829.7,	3725668.5,	212.4,	245.0,	0.0);	(437816.5,	3725675.3,	212.9,	245.0,	0.0);
(	437776.8,	3725695.5,	215.5,	260.0,	0.0);	(437763.6,	3725702.2,	216.8,	260.0,	0.0);
(	437750.4,	3725709.0,	217.6,	260.0,	0.0);	(437589.1,	3725667.1,	214.8,	262.0,	0.0);
(	437575.0,	3725662.4,	214.4,	262.0,	0.0);	(437560.9,	3725657.8,	214.2,	260.0,	0.0);
(	437546.8,	3725653.2,	215.9,	246.0,	0.0);	(437933.8,	3725612.2,	216.1,	227.0,	0.0);
(	437943.6,	3725600.7,	218.0,	226.0,	0.0);	(437937.5,	3725634.4,	214.6,	227.0,	0.0);
(	437924.2,	3725641.1,	213.3,	227.0,	0.0);	(437911.0,	3725647.9,	212.8,	226.0,	0.0);
(	437884.5,	3725661.4,	212.8,	245.0,	0.0);	(437871.2,	3725668.1,	212.6,	245.0,	0.0);
(	437857.9,	3725674.9,	212.4,	245.0,	0.0);	(437844.7,	3725681.6,	212.5,	245.0,	0.0);
(	437831.4,	3725688.4,	212.9,	260.0,	0.0);	(437791.7,	3725708.6,	214.9,	262.0,	0.0);
(	437778.4,	3725715.4,	216.8,	262.0,	0.0);	(437562.1,	3725677.6,	216.8,	246.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437547.9,	3725673.0,	217.8,	246.0,	0.0);	(437533.8,	3725668.3,	219.2,	246.0,	0.0);
(437949.0,	3725625.2,	216.1,	227.0,	0.0);	(437958.8,	3725613.6,	218.0,	226.0,	0.0);
(437960.3,	3725653.8,	214.9,	226.0,	0.0);	(437947.0,	3725660.6,	213.7,	226.0,	0.0);
(437933.7,	3725667.4,	212.8,	226.0,	0.0);	(437907.1,	3725680.9,	212.1,	245.0,	0.0);
(437893.8,	3725687.7,	212.1,	245.0,	0.0);	(437880.5,	3725694.4,	212.3,	245.0,	0.0);
(437867.2,	3725701.2,	212.5,	260.0,	0.0);	(437854.0,	3725708.0,	212.6,	262.0,	0.0);
(437814.1,	3725728.3,	214.1,	262.0,	0.0);	(437800.8,	3725735.1,	215.8,	262.0,	0.0);
(437521.3,	3725693.4,	221.8,	245.0,	0.0);	(437971.8,	3725644.6,	216.5,	226.0,	0.0);
(437981.7,	3725633.1,	218.4,	226.0,	0.0);	(437983.1,	3725673.3,	214.5,	226.0,	0.0);
(437969.8,	3725680.1,	213.5,	226.0,	0.0);	(437956.5,	3725686.8,	213.0,	213.0,	0.0);
(437929.8,	3725700.4,	212.7,	212.7,	0.0);	(437916.5,	3725707.2,	212.7,	245.0,	0.0);
(437903.2,	3725714.0,	212.9,	245.0,	0.0);	(437889.8,	3725720.8,	213.2,	245.0,	0.0);
(437876.5,	3725727.6,	213.4,	262.0,	0.0);	(437836.5,	3725747.9,	214.2,	262.0,	0.0);
(437823.2,	3725754.7,	215.4,	262.0,	0.0);	(437494.7,	3725713.8,	224.3,	245.0,	0.0);
(437994.7,	3725664.1,	216.2,	218.0,	0.0);	(438004.5,	3725652.5,	217.9,	217.9,	0.0);
(438005.9,	3725692.7,	214.4,	222.0,	0.0);	(437992.6,	3725699.5,	213.5,	220.0,	0.0);
(437979.2,	3725706.3,	213.0,	213.0,	0.0);	(437952.5,	3725719.9,	213.0,	213.0,	0.0);
(437939.2,	3725726.7,	213.1,	213.1,	0.0);	(437925.8,	3725733.5,	213.5,	245.0,	0.0);
(437912.5,	3725740.3,	213.8,	245.0,	0.0);	(437899.1,	3725747.1,	214.0,	262.0,	0.0);
(437859.1,	3725767.5,	214.7,	262.0,	0.0);	(437845.7,	3725774.4,	215.8,	262.0,	0.0);
(437468.0,	3725734.2,	226.6,	244.0,	0.0);	(438017.5,	3725683.5,	215.8,	222.0,	0.0);
(438027.4,	3725672.0,	217.6,	220.0,	0.0);	(437975.3,	3725739.4,	213.0,	213.0,	0.0);
(437961.9,	3725746.2,	213.0,	213.0,	0.0);	(437948.5,	3725753.1,	213.3,	213.3,	0.0);
(437935.1,	3725759.9,	213.7,	257.0,	0.0);	(437921.8,	3725766.7,	214.0,	262.0,	0.0);
(437881.6,	3725787.1,	215.5,	262.0,	0.0);	(437868.3,	3725793.9,	216.0,	262.0,	0.0);
(437484.1,	3725768.6,	228.8,	244.0,	0.0);	(437469.8,	3725763.9,	228.8,	244.0,	0.0);
(437455.6,	3725759.2,	227.7,	244.0,	0.0);	(438040.4,	3725703.0,	215.4,	221.0,	0.0);
(438050.2,	3725691.4,	217.5,	220.0,	0.0);	(438051.6,	3725731.6,	214.6,	220.0,	0.0);
(438038.2,	3725738.4,	214.0,	214.0,	0.0);	(437998.0,	3725758.9,	213.4,	213.4,	0.0);
(437984.6,	3725765.8,	213.7,	213.7,	0.0);	(437971.2,	3725772.6,	213.9,	213.9,	0.0);
(437957.8,	3725779.4,	214.1,	214.1,	0.0);	(437944.4,	3725786.2,	214.3,	260.0,	0.0);
(437904.3,	3725806.7,	215.5,	262.0,	0.0);	(437890.9,	3725813.5,	216.2,	262.0,	0.0);
(437500.3,	3725803.1,	231.7,	245.0,	0.0);	(437486.0,	3725798.4,	231.3,	245.0,	0.0);
(437471.7,	3725793.7,	231.1,	244.0,	0.0);	(437457.4,	3725789.0,	229.5,	245.0,	0.0);
(437443.1,	3725784.3,	227.7,	245.0,	0.0);	(437428.8,	3725779.6,	225.6,	245.0,	0.0);
(438063.2,	3725722.4,	215.4,	220.0,	0.0);	(438073.1,	3725710.9,	216.9,	220.0,	0.0);
(438020.8,	3725778.4,	214.1,	214.1,	0.0);	(438007.4,	3725785.2,	214.3,	214.3,	0.0);
(437994.0,	3725792.1,	214.5,	214.5,	0.0);	(437980.5,	3725798.9,	214.8,	214.8,	0.0);
(437967.1,	3725805.8,	215.0,	257.0,	0.0);	(437953.7,	3725812.6,	215.2,	262.0,	0.0);
(437940.3,	3725819.4,	215.4,	262.0,	0.0);	(437926.9,	3725826.3,	215.7,	262.0,	0.0);
(437913.5,	3725833.1,	216.1,	262.0,	0.0);	(437530.8,	3725842.3,	236.0,	245.0,	0.0);
(437502.2,	3725832.9,	235.5,	244.0,	0.0);	(437487.9,	3725828.2,	234.4,	244.0,	0.0);
(437473.6,	3725823.5,	233.3,	244.0,	0.0);	(437459.3,	3725818.8,	231.5,	245.0,	0.0);
(437445.0,	3725814.1,	229.2,	245.0,	0.0);	(437430.7,	3725809.4,	226.7,	245.0,	0.0);
(437416.4,	3725804.7,	224.1,	262.0,	0.0);	(438097.3,	3725770.5,	216.1,	216.1,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438083.8,	3725777.4,	215.5,	215.5,	0.0);	(	437976.4,	3725832.1,	215.9,	257.0,	0.0);
(	437963.0,	3725839.0,	216.1,	262.0,	0.0);	(	437949.5,	3725845.8,	216.3,	262.0,	0.0);
(	437936.1,	3725852.6,	216.8,	262.0,	0.0);	(	437547.2,	3725876.8,	241.1,	244.0,	0.0);
(	437532.9,	3725872.1,	240.7,	244.0,	0.0);	(	437518.6,	3725867.4,	239.8,	244.0,	0.0);
(	437504.2,	3725862.7,	238.8,	244.0,	0.0);	(	437489.9,	3725858.0,	237.3,	244.0,	0.0);
(	437461.3,	3725848.6,	233.6,	245.0,	0.0);	(	437447.0,	3725843.9,	231.3,	245.0,	0.0);
(	437432.6,	3725839.2,	228.7,	246.0,	0.0);	(	437418.3,	3725834.5,	225.7,	262.0,	0.0);
(	437404.0,	3725829.8,	223.0,	262.0,	0.0);	(	438108.9,	3725761.3,	216.8,	216.8,	0.0);
(	438118.8,	3725749.8,	217.5,	217.5,	0.0);	(	438120.1,	3725790.0,	216.7,	216.7,	0.0);
(	438106.7,	3725796.8,	216.2,	216.2,	0.0);	(	438093.2,	3725803.7,	216.0,	216.0,	0.0);
(	438079.8,	3725810.5,	216.0,	216.0,	0.0);	(	438066.3,	3725817.4,	215.9,	215.9,	0.0);
(	438052.9,	3725824.2,	215.8,	215.8,	0.0);	(	438039.5,	3725831.1,	215.8,	238.0,	0.0);
(	438026.0,	3725837.9,	216.1,	238.0,	0.0);	(	437606.6,	3725925.5,	244.9,	244.9,	0.0);
(	437592.3,	3725920.8,	245.7,	245.7,	0.0);	(	437578.0,	3725916.1,	245.3,	245.3,	0.0);
(	437549.3,	3725906.6,	244.4,	244.4,	0.0);	(	437534.9,	3725901.9,	244.2,	244.2,	0.0);
(	437520.6,	3725897.2,	243.4,	243.4,	0.0);	(	437506.3,	3725892.5,	242.1,	242.1,	0.0);
(	437491.9,	3725887.8,	240.0,	244.0,	0.0);	(	437477.6,	3725883.1,	237.7,	245.0,	0.0);
(	437463.3,	3725878.4,	235.4,	245.0,	0.0);	(	437448.9,	3725873.7,	232.8,	245.0,	0.0);
(	437420.3,	3725864.3,	227.7,	262.0,	0.0);	(	437405.9,	3725859.6,	225.0,	262.0,	0.0);
(	437391.6,	3725854.8,	222.5,	262.0,	0.0);	(	438131.8,	3725780.8,	217.0,	217.0,	0.0);
(	438141.6,	3725769.2,	217.2,	217.2,	0.0);	(	438143.0,	3725809.4,	217.0,	217.0,	0.0);
(	438129.5,	3725816.3,	217.0,	217.0,	0.0);	(	438116.0,	3725823.1,	216.6,	216.6,	0.0);
(	438102.6,	3725830.0,	216.1,	216.1,	0.0);	(	438089.1,	3725836.8,	216.0,	238.0,	0.0);
(	438075.7,	3725843.7,	216.2,	238.0,	0.0);	(	438062.2,	3725850.6,	216.5,	238.0,	0.0);
(	438048.8,	3725857.4,	216.7,	239.0,	0.0);	(	438035.3,	3725864.3,	216.9,	239.0,	0.0);
(	438021.8,	3725871.1,	217.2,	239.0,	0.0);	(	438008.4,	3725878.0,	217.4,	255.0,	0.0);
(	437994.9,	3725884.8,	217.6,	257.0,	0.0);	(	437623.1,	3725960.1,	242.3,	262.0,	0.0);
(	437608.8,	3725955.3,	243.8,	262.0,	0.0);	(	437594.4,	3725950.6,	244.9,	244.9,	0.0);
(	437580.1,	3725945.9,	245.4,	245.4,	0.0);	(	437565.7,	3725941.2,	245.5,	245.5,	0.0);
(	437551.4,	3725936.5,	245.2,	245.2,	0.0);	(	437508.3,	3725922.4,	242.8,	245.0,	0.0);
(	437494.0,	3725917.6,	241.2,	245.0,	0.0);	(	437479.6,	3725912.9,	239.1,	245.0,	0.0);
(	437465.3,	3725908.2,	236.6,	245.0,	0.0);	(	437450.9,	3725903.5,	234.0,	262.0,	0.0);
(	437436.6,	3725898.8,	231.5,	262.0,	0.0);	(	437422.2,	3725894.1,	229.0,	262.0,	0.0);
(	437407.9,	3725889.4,	226.5,	262.0,	0.0);	(	437364.8,	3725875.2,	220.8,	263.0,	0.0);
(	438154.6,	3725800.2,	217.0,	217.0,	0.0);	(	438164.4,	3725788.6,	217.2,	217.2,	0.0);
(	438165.8,	3725828.9,	217.2,	217.2,	0.0);	(	438152.3,	3725835.7,	217.0,	217.0,	0.0);
(	438138.8,	3725842.6,	217.1,	217.1,	0.0);	(	438125.4,	3725849.5,	216.9,	216.9,	0.0);
(	438111.9,	3725856.3,	216.8,	238.0,	0.0);	(	438098.5,	3725863.2,	216.9,	239.0,	0.0);
(	438085.0,	3725870.0,	217.1,	239.0,	0.0);	(	438071.5,	3725876.9,	217.4,	239.0,	0.0);
(	438058.0,	3725883.8,	217.6,	240.0,	0.0);	(	438044.6,	3725890.6,	217.8,	240.0,	0.0);
(	438031.1,	3725897.5,	218.1,	240.0,	0.0);	(	438017.6,	3725904.4,	218.4,	240.0,	0.0);
(	438004.2,	3725911.2,	218.5,	257.0,	0.0);	(	437611.0,	3725985.2,	241.9,	262.0,	0.0);
(	437596.6,	3725980.5,	243.5,	262.0,	0.0);	(	437582.2,	3725975.8,	244.8,	262.0,	0.0);
(	437567.9,	3725971.1,	245.6,	245.6,	0.0);	(	437553.5,	3725966.3,	245.7,	245.7,	0.0);
(	437539.1,	3725961.6,	245.2,	245.2,	0.0);	(	437524.8,	3725956.9,	244.3,	245.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437510.4,	3725952.2,	242.5,	245.0,	0.0);	(	437467.3,	3725938.0,	237.2,	262.0,	0.0);
(	437453.0,	3725933.3,	234.4,	262.0,	0.0);	(	437438.6,	3725928.6,	231.7,	262.0,	0.0);
(	437424.3,	3725923.9,	229.0,	263.0,	0.0);	(	437409.9,	3725919.2,	226.3,	263.0,	0.0);
(	437381.2,	3725909.7,	224.1,	263.0,	0.0);	(	437366.8,	3725905.0,	223.3,	263.0,	0.0);
(	437352.5,	3725900.3,	222.5,	263.0,	0.0);	(	438177.4,	3725819.7,	217.6,	217.6,	0.0);
(	438187.3,	3725808.1,	217.9,	217.9,	0.0);	(	438196.2,	3725854.8,	218.1,	218.1,	0.0);
(	438182.8,	3725861.7,	218.0,	218.0,	0.0);	(	438169.3,	3725868.5,	218.0,	218.0,	0.0);
(	438155.8,	3725875.4,	217.9,	217.9,	0.0);	(	438142.3,	3725882.3,	217.7,	238.0,	0.0);
(	438128.8,	3725889.1,	217.8,	239.0,	0.0);	(	438115.3,	3725896.0,	218.0,	239.0,	0.0);
(	438101.9,	3725902.9,	218.2,	240.0,	0.0);	(	438088.4,	3725909.8,	218.6,	240.0,	0.0);
(	438074.9,	3725916.6,	219.2,	240.0,	0.0);	(	438061.4,	3725923.5,	219.8,	240.0,	0.0);
(	438047.9,	3725930.4,	220.7,	240.0,	0.0);	(	438034.5,	3725937.2,	221.7,	240.0,	0.0);
(	438021.0,	3725944.1,	222.4,	240.0,	0.0);	(	437556.4,	3726006.2,	246.5,	262.0,	0.0);
(	437542.0,	3726001.4,	245.3,	262.0,	0.0);	(	437527.6,	3725996.7,	244.1,	262.0,	0.0);
(	437513.2,	3725992.0,	242.5,	262.0,	0.0);	(	437498.9,	3725987.3,	240.9,	262.0,	0.0);
(	437484.5,	3725982.5,	238.5,	262.0,	0.0);	(	437470.1,	3725977.8,	236.4,	263.0,	0.0);
(	437455.7,	3725973.1,	233.9,	263.0,	0.0);	(	437398.2,	3725954.2,	227.5,	263.0,	0.0);
(	437383.9,	3725949.5,	226.7,	263.0,	0.0);	(	437369.5,	3725944.8,	226.5,	263.0,	0.0);
(	437312.0,	3725925.9,	225.2,	262.0,	0.0);	(	438207.9,	3725845.6,	218.2,	218.2,	0.0);
(	438217.7,	3725834.0,	218.0,	218.0,	0.0);	(	438226.7,	3725880.7,	219.0,	219.0,	0.0);
(	438213.2,	3725887.6,	218.8,	218.8,	0.0);	(	438199.7,	3725894.5,	218.3,	218.3,	0.0);
(	438186.2,	3725901.4,	218.2,	218.2,	0.0);	(	438172.7,	3725908.2,	218.4,	238.0,	0.0);
(	438159.2,	3725915.1,	218.6,	239.0,	0.0);	(	438145.7,	3725922.0,	218.9,	239.0,	0.0);
(	438132.2,	3725928.9,	219.1,	240.0,	0.0);	(	438118.7,	3725935.7,	219.6,	240.0,	0.0);
(	438105.2,	3725942.6,	220.4,	240.0,	0.0);	(	438091.8,	3725949.5,	221.8,	240.0,	0.0);
(	438078.3,	3725956.4,	223.5,	240.0,	0.0);	(	438064.8,	3725963.2,	225.1,	240.0,	0.0);
(	438051.3,	3725970.1,	226.5,	239.0,	0.0);	(	437501.7,	3726027.1,	241.3,	263.0,	0.0);
(	437487.3,	3726022.3,	239.0,	263.0,	0.0);	(	437472.9,	3726017.6,	236.6,	263.0,	0.0);
(	437458.5,	3726012.9,	234.5,	263.0,	0.0);	(	437444.1,	3726008.2,	232.4,	263.0,	0.0);
(	437415.4,	3725998.7,	232.1,	263.0,	0.0);	(	437401.0,	3725994.0,	231.9,	263.0,	0.0);
(	437386.6,	3725989.3,	231.4,	263.0,	0.0);	(	437372.2,	3725984.5,	230.8,	263.0,	0.0);
(	437329.0,	3725970.3,	230.1,	262.0,	0.0);	(	437314.6,	3725965.6,	230.0,	258.0,	0.0);
(	437300.3,	3725960.9,	229.6,	258.0,	0.0);	(	437285.9,	3725956.2,	229.1,	258.0,	0.0);
(	438238.4,	3725871.5,	219.0,	219.0,	0.0);	(	438248.2,	3725859.9,	219.0,	219.0,	0.0);
(	438257.1,	3725906.7,	219.3,	219.3,	0.0);	(	438243.6,	3725913.5,	219.0,	219.0,	0.0);
(	438230.1,	3725920.4,	219.0,	219.0,	0.0);	(	438216.6,	3725927.3,	219.0,	219.0,	0.0);
(	438203.1,	3725934.2,	219.0,	219.0,	0.0);	(	438189.6,	3725941.1,	219.0,	238.0,	0.0);
(	438176.1,	3725947.9,	219.0,	240.0,	0.0);	(	438162.6,	3725954.8,	219.0,	240.0,	0.0);
(	438149.1,	3725961.7,	219.8,	243.0,	0.0);	(	438135.6,	3725968.6,	221.0,	243.0,	0.0);
(	438122.1,	3725975.5,	222.6,	240.0,	0.0);	(	438108.6,	3725982.4,	224.6,	240.0,	0.0);
(	438095.1,	3725989.2,	226.5,	240.0,	0.0);	(	438081.6,	3725996.1,	228.3,	239.0,	0.0);
(	437519.0,	3726071.6,	245.0,	263.0,	0.0);	(	437504.6,	3726066.9,	242.5,	263.0,	0.0);
(	437418.2,	3726038.5,	236.4,	263.0,	0.0);	(	437403.8,	3726033.8,	236.7,	263.0,	0.0);
(	437389.4,	3726029.0,	236.7,	263.0,	0.0);	(	437346.2,	3726014.8,	235.9,	258.0,	0.0);
(	437331.8,	3726010.1,	235.6,	258.0,	0.0);	(	437317.4,	3726005.4,	235.2,	258.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
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(437303.0,	3726000.6,	234.7,	257.0,	0.0);	(437288.6,	3725995.9,	234.3,	257.0,	0.0);
(437274.2,	3725991.2,	234.2,	257.0,	0.0);	(437259.8,	3725986.5,	234.0,	257.0,	0.0);
(438268.8,	3725897.4,	219.7,	219.7,	0.0);	(438278.7,	3725885.9,	220.0,	220.0,	0.0);
(438287.6,	3725932.6,	221.4,	230.0,	0.0);	(438274.1,	3725939.5,	220.3,	230.0,	0.0);
(438260.6,	3725946.4,	219.5,	219.5,	0.0);	(438247.1,	3725953.2,	219.0,	219.0,	0.0);
(438233.5,	3725960.1,	219.1,	219.1,	0.0);	(438220.0,	3725967.0,	219.4,	219.4,	0.0);
(438206.5,	3725973.9,	219.6,	238.0,	0.0);	(438193.0,	3725980.8,	219.8,	240.0,	0.0);
(438179.5,	3725987.7,	220.4,	240.0,	0.0);	(438166.0,	3725994.6,	221.1,	243.0,	0.0);
(438152.5,	3726001.5,	222.0,	243.0,	0.0);	(438138.9,	3726008.3,	223.1,	243.0,	0.0);
(438125.4,	3726015.2,	224.5,	243.0,	0.0);	(438111.9,	3726022.1,	226.7,	243.0,	0.0);
(437493.0,	3726102.0,	241.9,	263.0,	0.0);	(437478.6,	3726097.2,	241.4,	263.0,	0.0);
(437464.2,	3726092.5,	240.8,	263.0,	0.0);	(437449.8,	3726087.8,	240.8,	263.0,	0.0);
(437435.4,	3726083.0,	240.8,	263.0,	0.0);	(437363.3,	3726059.4,	241.6,	258.0,	0.0);
(437348.9,	3726054.6,	241.2,	258.0,	0.0);	(437334.5,	3726049.9,	241.0,	257.0,	0.0);
(437320.1,	3726045.2,	240.9,	257.0,	0.0);	(437305.7,	3726040.4,	240.2,	257.0,	0.0);
(437291.3,	3726035.7,	239.6,	257.0,	0.0);	(437276.9,	3726031.0,	239.4,	257.0,	0.0);
(437262.5,	3726026.2,	239.2,	254.0,	0.0);	(437248.0,	3726021.5,	239.5,	251.0,	0.0);
(437233.6,	3726016.8,	239.8,	251.0,	0.0);	(438299.3,	3725923.4,	222.2,	230.0,	0.0);
(438309.1,	3725911.8,	222.5,	230.0,	0.0);	(438304.5,	3725965.4,	222.8,	230.0,	0.0);
(438291.0,	3725972.3,	220.8,	232.0,	0.0);	(438277.5,	3725979.2,	219.2,	232.0,	0.0);
(438264.0,	3725986.1,	219.0,	230.0,	0.0);	(438250.4,	3725993.0,	219.2,	219.2,	0.0);
(438236.9,	3725999.9,	219.9,	219.9,	0.0);	(438223.4,	3726006.8,	220.6,	220.6,	0.0);
(438209.9,	3726013.6,	220.9,	245.0,	0.0);	(438196.3,	3726020.5,	221.2,	245.0,	0.0);
(438182.8,	3726027.4,	221.6,	245.0,	0.0);	(438169.3,	3726034.3,	222.3,	245.0,	0.0);
(438155.8,	3726041.2,	223.1,	245.0,	0.0);	(438142.2,	3726048.1,	224.2,	245.0,	0.0);
(437452.7,	3726127.6,	245.5,	263.0,	0.0);	(437438.2,	3726122.8,	245.9,	263.0,	0.0);
(437423.8,	3726118.1,	245.9,	262.0,	0.0);	(437409.4,	3726113.4,	245.7,	259.0,	0.0);
(437366.1,	3726099.2,	247.3,	257.0,	0.0);	(437351.7,	3726094.4,	247.0,	257.0,	0.0);
(437337.3,	3726089.7,	246.7,	257.0,	0.0);	(437322.9,	3726084.9,	246.4,	257.0,	0.0);
(437308.5,	3726080.2,	246.1,	254.0,	0.0);	(437294.0,	3726075.5,	245.8,	254.0,	0.0);
(437279.6,	3726070.7,	245.4,	251.0,	0.0);	(437265.2,	3726066.0,	245.1,	251.0,	0.0);
(437250.8,	3726061.3,	244.7,	251.0,	0.0);	(437236.4,	3726056.5,	244.5,	244.5,	0.0);
(437222.0,	3726051.8,	244.6,	244.6,	0.0);	(437207.5,	3726047.0,	244.8,	244.8,	0.0);
(438241.6,	3726038.9,	220.5,	245.0,	0.0);	(438228.2,	3726045.8,	221.4,	245.0,	0.0);
(438214.8,	3726052.6,	222.0,	245.0,	0.0);	(438201.5,	3726059.4,	222.3,	245.0,	0.0);
(438188.1,	3726066.2,	222.7,	245.0,	0.0);	(438174.7,	3726073.0,	223.4,	245.0,	0.0);
(437388.0,	3726145.2,	254.2,	257.0,	0.0);	(437359.5,	3726135.8,	254.0,	254.0,	0.0);
(437345.2,	3726131.2,	253.0,	254.0,	0.0);	(437331.0,	3726126.5,	251.8,	254.0,	0.0);
(437316.7,	3726121.8,	251.0,	251.0,	0.0);	(437302.5,	3726117.1,	250.7,	250.7,	0.0);
(437288.2,	3726112.4,	250.7,	250.7,	0.0);	(437273.9,	3726107.7,	249.9,	249.9,	0.0);
(437259.7,	3726103.0,	248.8,	248.8,	0.0);	(437245.4,	3726098.4,	247.7,	247.7,	0.0);
(437231.1,	3726093.7,	246.7,	246.7,	0.0);	(437216.9,	3726089.0,	246.3,	246.3,	0.0);
(437202.6,	3726084.3,	246.4,	246.4,	0.0);	(437188.4,	3726079.6,	245.8,	245.8,	0.0);
(437347.8,	3726170.9,	254.0,	255.0,	0.0);	(437333.6,	3726166.2,	252.9,	255.0,	0.0);
(437319.3,	3726161.5,	251.1,	255.0,	0.0);	(437305.0,	3726156.8,	250.0,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(	437290.8,	3726152.1,	249.0,	249.0,	0.0);	(437276.5,	3726147.4,	247.4,	255.0,	0.0);
(	437262.2,	3726142.8,	246.2,	252.0,	0.0);	(437247.9,	3726138.1,	245.5,	251.0,	0.0);
(	437233.6,	3726133.4,	244.7,	251.0,	0.0);	(437219.4,	3726128.7,	243.8,	249.0,	0.0);
(	437205.1,	3726124.0,	243.1,	249.0,	0.0);	(437190.8,	3726119.3,	241.6,	249.0,	0.0);
(	437176.5,	3726114.6,	239.5,	251.0,	0.0);	(437162.3,	3726109.9,	237.5,	251.0,	0.0);
(	437336.2,	3726205.9,	247.2,	258.0,	0.0);	(437321.9,	3726201.2,	247.6,	257.0,	0.0);
(	437307.6,	3726196.5,	247.2,	257.0,	0.0);	(437293.3,	3726191.9,	246.6,	257.0,	0.0);
(	437279.1,	3726187.2,	245.0,	257.0,	0.0);	(437264.8,	3726182.5,	242.9,	257.0,	0.0);
(	437250.5,	3726177.8,	240.2,	257.0,	0.0);	(437236.2,	3726173.1,	238.2,	257.0,	0.0);
(	437221.9,	3726168.4,	236.9,	257.0,	0.0);	(437207.6,	3726163.7,	235.2,	257.0,	0.0);
(	437193.3,	3726159.0,	234.3,	257.0,	0.0);	(437179.0,	3726154.3,	234.0,	257.0,	0.0);
(	437164.7,	3726149.6,	232.5,	257.0,	0.0);	(437150.5,	3726144.9,	229.4,	257.0,	0.0);
(	437136.2,	3726140.2,	226.4,	258.0,	0.0);	(437396.1,	3726264.5,	238.8,	263.0,	0.0);
(	437324.6,	3726241.0,	238.7,	263.0,	0.0);	(437310.3,	3726236.3,	241.5,	259.0,	0.0);
(	437296.0,	3726231.6,	243.5,	257.0,	0.0);	(437281.7,	3726226.9,	244.6,	257.0,	0.0);
(	437267.4,	3726222.2,	244.1,	257.0,	0.0);	(437253.1,	3726217.5,	241.2,	257.0,	0.0);
(	437238.8,	3726212.8,	235.9,	259.0,	0.0);	(437224.5,	3726208.1,	231.3,	259.0,	0.0);
(	437210.2,	3726203.4,	228.8,	259.0,	0.0);	(437195.9,	3726198.7,	227.5,	259.0,	0.0);
(	437181.6,	3726194.0,	227.2,	259.0,	0.0);	(437167.3,	3726189.3,	226.9,	259.0,	0.0);
(	437153.0,	3726184.6,	225.6,	259.0,	0.0);	(437138.7,	3726179.9,	223.9,	259.0,	0.0);
(	437124.4,	3726175.2,	221.8,	259.0,	0.0);	(437110.0,	3726170.5,	219.2,	259.0,	0.0);
(	437095.8,	3726165.8,	218.6,	259.0,	0.0);	(437413.2,	3726309.0,	239.2,	263.0,	0.0);
(	437398.8,	3726304.3,	235.2,	263.0,	0.0);	(437384.5,	3726299.6,	231.0,	263.0,	0.0);
(	437370.2,	3726294.8,	229.4,	263.0,	0.0);	(437355.9,	3726290.1,	229.6,	263.0,	0.0);
(	437341.6,	3726285.4,	230.3,	263.0,	0.0);	(437327.3,	3726280.8,	231.1,	263.0,	0.0);
(	437313.0,	3726276.0,	232.9,	263.0,	0.0);	(437298.6,	3726271.3,	235.8,	263.0,	0.0);
(	437284.3,	3726266.6,	238.1,	259.0,	0.0);	(437270.0,	3726261.9,	239.5,	258.0,	0.0);
(	437255.7,	3726257.2,	240.6,	257.0,	0.0);	(437241.4,	3726252.5,	239.6,	257.0,	0.0);
(	437227.1,	3726247.8,	236.9,	257.0,	0.0);	(437212.8,	3726243.1,	232.1,	259.0,	0.0);
(	437198.5,	3726238.4,	227.3,	259.0,	0.0);	(437184.1,	3726233.7,	224.6,	263.0,	0.0);
(	437169.8,	3726229.0,	222.3,	263.0,	0.0);	(437155.5,	3726224.3,	220.8,	263.0,	0.0);
(	437141.2,	3726219.6,	220.0,	263.0,	0.0);	(437126.9,	3726214.9,	219.5,	263.0,	0.0);
(	437112.6,	3726210.2,	218.8,	259.0,	0.0);	(437098.3,	3726205.5,	217.7,	259.0,	0.0);
(	437084.0,	3726200.8,	216.2,	259.0,	0.0);	(437069.6,	3726196.1,	215.0,	259.0,	0.0);
(	437743.5,	3725409.2,	214.5,	214.5,	0.0);	(437750.6,	3725402.8,	215.3,	218.0,	0.0);
(	437753.7,	3725416.7,	214.9,	214.9,	0.0);	(437757.4,	3725395.8,	216.3,	218.0,	0.0);
(	437762.6,	3725406.0,	216.1,	216.1,	0.0);	(437763.5,	3725416.5,	215.6,	215.6,	0.0);
(	437759.9,	3725427.4,	214.5,	216.0,	0.0);	(437764.1,	3725388.5,	217.3,	218.0,	0.0);
(	437769.7,	3725399.4,	217.1,	217.1,	0.0);	(437773.3,	3725416.1,	216.2,	216.2,	0.0);
(	437769.5,	3725427.7,	215.2,	215.2,	0.0);	(437770.8,	3725381.1,	218.4,	218.4,	0.0);
(	437776.5,	3725392.5,	218.0,	218.0,	0.0);	(437782.3,	3725403.8,	217.7,	217.7,	0.0);
(	437783.2,	3725415.6,	216.9,	216.9,	0.0);	(437777.3,	3725373.7,	219.2,	219.2,	0.0);
(	437783.3,	3725385.4,	219.0,	219.0,	0.0);	(437789.2,	3725397.0,	218.6,	218.6,	0.0);
(	437785.0,	3725439.8,	215.5,	215.5,	0.0);	(437783.9,	3725366.2,	220.0,	220.0,	0.0);
(	437790.0,	3725378.2,	219.7,	219.7,	0.0);	(437796.0,	3725390.1,	219.5,	219.5,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(437798.9,	3725427.0,	217.2,	217.2,	0.0);	(437794.8,	3725439.7,	216.1,	216.1,	0.0);
(437790.5,	3725358.8,	220.6,	220.6,	0.0);	(437796.6,	3725370.8,	220.4,	220.4,	0.0);
(437802.8,	3725383.0,	220.3,	220.3,	0.0);	(437813.0,	3725413.6,	219.1,	219.1,	0.0);
(437808.8,	3725426.5,	217.9,	217.9,	0.0);	(437804.6,	3725439.4,	216.8,	216.8,	0.0);
(437800.4,	3725452.3,	215.4,	215.4,	0.0);	(437797.0,	3725351.2,	220.9,	220.9,	0.0);
(437803.3,	3725363.5,	220.9,	220.9,	0.0);	(437809.5,	3725375.8,	220.9,	220.9,	0.0);
(437821.9,	3725400.2,	220.6,	220.6,	0.0);	(437822.9,	3725412.9,	219.8,	219.8,	0.0);
(437818.7,	3725426.0,	218.6,	218.6,	0.0);	(437814.4,	3725439.1,	217.5,	217.5,	0.0);
(437810.2,	3725452.1,	216.1,	216.1,	0.0);	(437806.0,	3725465.2,	214.5,	222.0,	0.0);
(437803.6,	3725343.7,	221.1,	221.1,	0.0);	(437809.9,	3725356.1,	221.3,	221.3,	0.0);
(437816.1,	3725368.5,	221.4,	221.4,	0.0);	(437828.7,	3725393.2,	221.5,	221.5,	0.0);
(437832.9,	3725412.2,	220.5,	220.5,	0.0);	(437828.6,	3725425.4,	219.3,	219.3,	0.0);
(437824.3,	3725438.6,	218.2,	218.2,	0.0);	(437820.0,	3725451.8,	216.8,	218.0,	0.0);
(437815.7,	3725465.0,	215.2,	226.0,	0.0);	(437816.6,	3725328.6,	221.6,	221.6,	0.0);
(437823.0,	3725341.2,	221.8,	221.8,	0.0);	(437829.4,	3725353.8,	222.0,	222.0,	0.0);
(437842.2,	3725378.9,	222.8,	222.8,	0.0);	(437848.6,	3725391.5,	222.9,	222.9,	0.0);
(437852.8,	3725410.7,	221.9,	221.9,	0.0);	(437848.4,	3725424.1,	220.7,	220.7,	0.0);
(437844.1,	3725437.6,	219.5,	219.5,	0.0);	(437831.0,	3725477.8,	215.0,	226.0,	0.0);
(437829.7,	3725313.5,	221.6,	221.6,	0.0);	(437836.2,	3725326.2,	221.8,	221.8,	0.0);
(437842.6,	3725338.9,	222.1,	222.1,	0.0);	(437855.5,	3725364.3,	223.7,	223.7,	0.0);
(437862.0,	3725377.1,	224.1,	224.1,	0.0);	(437868.4,	3725389.8,	224.4,	224.4,	0.0);
(437872.7,	3725409.2,	223.3,	223.3,	0.0);	(437859.5,	3725449.9,	219.7,	219.7,	0.0);
(437855.1,	3725463.5,	218.5,	218.5,	0.0);	(437850.7,	3725477.0,	217.1,	225.0,	0.0);
(437846.3,	3725490.6,	215.7,	225.0,	0.0);	(437842.8,	3725298.4,	220.2,	220.2,	0.0);
(437849.3,	3725311.2,	220.5,	220.5,	0.0);	(437855.8,	3725324.0,	221.0,	221.0,	0.0);
(437868.8,	3725349.6,	223.3,	223.3,	0.0);	(437875.3,	3725362.5,	224.2,	224.2,	0.0);
(437881.8,	3725375.3,	225.0,	225.0,	0.0);	(437888.3,	3725388.1,	225.8,	225.8,	0.0);
(437888.2,	3725421.4,	223.6,	223.6,	0.0);	(437879.3,	3725448.8,	221.1,	221.1,	0.0);
(437874.9,	3725462.4,	219.9,	225.0,	0.0);	(437855.8,	3725283.3,	218.8,	218.8,	0.0);
(437862.4,	3725296.2,	218.9,	218.9,	0.0);	(437868.9,	3725309.1,	219.6,	219.6,	0.0);
(437882.0,	3725334.9,	221.4,	224.0,	0.0);	(437888.6,	3725347.8,	222.9,	224.0,	0.0);
(437895.1,	3725360.6,	223.8,	223.8,	0.0);	(437901.7,	3725373.5,	224.4,	224.4,	0.0);
(437912.5,	3725406.2,	225.4,	225.4,	0.0);	(437908.1,	3725420.0,	225.1,	225.1,	0.0);
(437903.6,	3725433.8,	224.0,	224.0,	0.0);	(437881.3,	3725502.6,	218.3,	223.0,	0.0);
(437876.8,	3725516.3,	217.2,	225.0,	0.0);	(437868.8,	3725268.1,	217.5,	217.5,	0.0);
(437875.4,	3725281.1,	217.7,	217.7,	0.0);	(437882.0,	3725294.0,	218.1,	218.1,	0.0);
(437895.2,	3725320.0,	219.2,	226.0,	0.0);	(437901.8,	3725332.9,	220.0,	226.0,	0.0);
(437908.4,	3725345.9,	221.0,	226.0,	0.0);	(437914.9,	3725358.9,	221.8,	226.0,	0.0);
(437928.1,	3725384.8,	224.0,	225.0,	0.0);	(437932.5,	3725404.7,	224.6,	224.6,	0.0);
(437928.0,	3725418.5,	225.4,	225.4,	0.0);	(437923.5,	3725432.4,	225.3,	225.3,	0.0);
(437919.0,	3725446.2,	224.9,	225.0,	0.0);	(437910.0,	3725473.9,	222.2,	222.2,	0.0);
(437905.5,	3725487.7,	221.2,	221.2,	0.0);	(437901.1,	3725501.5,	220.3,	220.3,	0.0);
(437896.6,	3725515.4,	219.4,	225.0,	0.0);	(437892.1,	3725529.2,	218.5,	225.0,	0.0);
(437881.9,	3725253.0,	216.2,	216.2,	0.0);	(437888.5,	3725266.0,	216.1,	216.1,	0.0);
(437895.1,	3725279.0,	216.5,	216.5,	0.0);	(437908.3,	3725305.1,	217.4,	226.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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(	437915.0,	3725318.1,	217.8,	226.0,	0.0);	(437921.6,	3725331.1,	218.4,	226.0,	0.0);
(	437928.2,	3725344.1,	219.2,	226.0,	0.0);	(437941.4,	3725370.2,	221.1,	225.0,	0.0);
(	437948.0,	3725383.2,	221.9,	225.0,	0.0);	(437952.4,	3725403.2,	222.8,	222.8,	0.0);
(	437947.9,	3725417.1,	224.1,	224.1,	0.0);	(437943.4,	3725431.0,	224.3,	224.3,	0.0);
(	437938.9,	3725444.9,	224.4,	224.4,	0.0);	(437934.4,	3725458.8,	224.3,	224.3,	0.0);
(	437925.4,	3725486.5,	223.1,	223.1,	0.0);	(437920.8,	3725500.4,	222.3,	222.3,	0.0);
(	437916.3,	3725514.3,	221.4,	225.0,	0.0);	(437911.8,	3725528.2,	220.5,	225.0,	0.0);
(	437894.9,	3725237.8,	214.7,	214.7,	0.0);	(437901.6,	3725250.9,	214.7,	214.7,	0.0);
(	437908.2,	3725264.0,	214.7,	214.7,	0.0);	(437921.5,	3725290.1,	215.5,	226.0,	0.0);
(	437928.1,	3725303.2,	215.9,	226.0,	0.0);	(437934.8,	3725316.2,	216.3,	226.0,	0.0);
(	437941.4,	3725329.3,	216.9,	226.0,	0.0);	(437954.7,	3725355.4,	218.6,	226.0,	0.0);
(	437961.3,	3725368.5,	219.1,	226.0,	0.0);	(437967.9,	3725381.6,	219.3,	226.0,	0.0);
(	437972.3,	3725401.6,	220.0,	226.0,	0.0);	(437967.8,	3725415.6,	221.5,	224.0,	0.0);
(	437963.3,	3725429.5,	222.6,	222.6,	0.0);	(437958.8,	3725443.5,	223.3,	223.3,	0.0);
(	437954.2,	3725457.4,	224.2,	224.2,	0.0);	(437949.7,	3725471.4,	224.8,	224.8,	0.0);
(	437940.7,	3725499.2,	224.2,	224.2,	0.0);	(437936.1,	3725513.2,	223.3,	225.0,	0.0);
(	437931.6,	3725527.1,	222.2,	225.0,	0.0);	(437908.0,	3725222.7,	213.2,	213.2,	0.0);
(	437914.6,	3725235.8,	213.3,	213.3,	0.0);	(437921.3,	3725248.9,	213.4,	213.4,	0.0);
(	437934.6,	3725275.1,	214.0,	226.0,	0.0);	(437941.2,	3725288.2,	214.2,	226.0,	0.0);
(	437947.9,	3725301.3,	214.5,	226.0,	0.0);	(437954.6,	3725314.4,	215.1,	226.0,	0.0);
(	437967.9,	3725340.7,	216.6,	226.0,	0.0);	(437974.5,	3725353.8,	217.2,	226.0,	0.0);
(	437981.2,	3725366.9,	217.3,	226.0,	0.0);	(437987.9,	3725380.0,	217.5,	226.0,	0.0);
(	437992.2,	3725400.1,	218.3,	226.0,	0.0);	(437987.7,	3725414.1,	219.3,	224.0,	0.0);
(	437983.2,	3725428.1,	220.6,	220.6,	0.0);	(437978.6,	3725442.1,	221.8,	221.8,	0.0);
(	437974.1,	3725456.0,	223.2,	223.2,	0.0);	(437969.6,	3725470.0,	224.5,	224.5,	0.0);
(	437965.0,	3725484.0,	225.1,	225.1,	0.0);	(437956.0,	3725512.0,	224.9,	224.9,	0.0);
(	437951.4,	3725526.0,	223.8,	223.8,	0.0);	(437946.9,	3725540.0,	222.7,	226.0,	0.0);
(	437927.7,	3725220.6,	212.2,	212.2,	0.0);	(437934.3,	3725233.8,	212.4,	212.4,	0.0);
(	437947.7,	3725260.1,	212.9,	212.9,	0.0);	(437954.4,	3725273.2,	213.1,	225.0,	0.0);
(	437961.0,	3725286.4,	213.3,	226.0,	0.0);	(437967.7,	3725299.5,	213.6,	226.0,	0.0);
(	437981.1,	3725325.8,	214.9,	226.0,	0.0);	(437987.8,	3725339.0,	215.3,	226.0,	0.0);
(	437994.4,	3725352.1,	215.7,	226.0,	0.0);	(438001.1,	3725365.2,	216.1,	226.0,	0.0);
(	438007.8,	3725378.4,	216.6,	224.0,	0.0);	(438012.2,	3725398.5,	217.3,	224.0,	0.0);
(	438007.6,	3725412.6,	218.0,	225.0,	0.0);	(438003.1,	3725426.6,	219.4,	225.0,	0.0);
(	437998.5,	3725440.6,	220.9,	225.0,	0.0);	(437994.0,	3725454.6,	222.4,	225.0,	0.0);
(	437989.5,	3725468.7,	223.9,	223.9,	0.0);	(437984.9,	3725482.7,	225.1,	225.1,	0.0);
(	437980.3,	3725496.7,	225.7,	225.7,	0.0);	(437971.3,	3725524.8,	225.4,	225.4,	0.0);
(	437966.7,	3725538.8,	224.6,	226.0,	0.0);	(437962.2,	3725552.8,	223.5,	226.0,	0.0);
(	437912.0,	3725196.1,	211.7,	220.0,	0.0);	(437959.8,	3725243.2,	211.9,	211.9,	0.0);
(	437972.8,	3725268.7,	212.3,	212.3,	0.0);	(437979.3,	3725281.5,	212.5,	225.0,	0.0);
(	437992.3,	3725307.0,	213.2,	225.0,	0.0);	(437998.7,	3725319.8,	213.4,	226.0,	0.0);
(	438005.2,	3725332.5,	213.7,	226.0,	0.0);	(438011.7,	3725345.3,	214.2,	226.0,	0.0);
(	438018.2,	3725358.1,	214.6,	226.0,	0.0);	(438024.7,	3725370.8,	215.0,	224.0,	0.0);
(	438031.1,	3725383.6,	215.4,	215.4,	0.0);	(438032.2,	3725396.8,	216.4,	216.4,	0.0);
(	438027.8,	3725410.4,	217.6,	217.6,	0.0);	(438023.4,	3725424.0,	218.7,	218.7,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438018.9,	3725437.6,	219.9,	224.0,	0.0);	(438014.5,	3725451.3,	221.3,	224.0,	0.0);
(438010.1,	3725464.9,	222.9,	224.0,	0.0);	(438005.7,	3725478.5,	224.3,	224.3,	0.0);
(438001.3,	3725492.1,	225.2,	225.2,	0.0);	(437996.9,	3725505.7,	226.0,	226.0,	0.0);
(437988.0,	3725533.0,	226.2,	226.2,	0.0);	(437983.6,	3725546.6,	225.5,	225.5,	0.0);
(437979.2,	3725560.2,	224.4,	224.4,	0.0);	(437974.8,	3725573.8,	222.9,	224.0,	0.0);
(437966.0,	3725601.1,	219.7,	226.0,	0.0);	(438005.6,	3725272.1,	211.3,	211.3,	0.0);
(438012.1,	3725284.9,	211.5,	211.5,	0.0);	(438018.7,	3725297.8,	211.8,	211.8,	0.0);
(438025.2,	3725310.6,	212.0,	225.0,	0.0);	(438031.7,	3725323.4,	212.2,	212.2,	0.0);
(438038.2,	3725336.3,	212.4,	212.4,	0.0);	(438044.7,	3725349.1,	212.6,	212.6,	0.0);
(438051.3,	3725362.0,	213.0,	213.0,	0.0);	(438057.8,	3725374.8,	213.6,	213.6,	0.0);
(438062.1,	3725394.5,	214.9,	218.0,	0.0);	(438057.6,	3725408.2,	216.2,	216.2,	0.0);
(438053.2,	3725421.9,	217.6,	217.6,	0.0);	(438048.8,	3725435.6,	218.9,	218.9,	0.0);
(438044.3,	3725449.3,	220.1,	220.1,	0.0);	(438039.9,	3725463.0,	221.1,	221.1,	0.0);
(438035.4,	3725476.7,	222.3,	222.3,	0.0);	(438031.0,	3725490.3,	223.9,	223.9,	0.0);
(438026.6,	3725504.0,	225.3,	225.3,	0.0);	(438022.1,	3725517.7,	226.0,	226.0,	0.0);
(438008.8,	3725558.8,	226.2,	226.2,	0.0);	(438004.4,	3725572.5,	225.0,	226.0,	0.0);
(437999.9,	3725586.2,	223.3,	226.0,	0.0);	(438032.0,	3725262.8,	210.2,	210.2,	0.0);
(438045.1,	3725288.5,	210.8,	210.8,	0.0);	(438051.6,	3725301.4,	211.2,	211.2,	0.0);
(438058.2,	3725314.3,	211.6,	211.6,	0.0);	(438064.7,	3725327.2,	212.0,	212.0,	0.0);
(438071.3,	3725340.1,	212.0,	212.0,	0.0);	(438077.8,	3725353.0,	212.0,	212.0,	0.0);
(438084.4,	3725365.9,	212.5,	212.5,	0.0);	(438090.9,	3725378.8,	213.0,	213.0,	0.0);
(438092.0,	3725392.2,	213.7,	213.7,	0.0);	(438087.5,	3725405.9,	214.7,	214.7,	0.0);
(438083.1,	3725419.7,	215.9,	219.0,	0.0);	(438078.6,	3725433.4,	217.4,	219.0,	0.0);
(438074.1,	3725447.2,	218.9,	218.9,	0.0);	(438069.7,	3725461.0,	220.0,	220.0,	0.0);
(438065.2,	3725474.7,	221.1,	221.1,	0.0);	(438060.8,	3725488.5,	222.2,	225.0,	0.0);
(438056.3,	3725502.3,	223.6,	223.6,	0.0);	(438051.8,	3725516.0,	224.7,	224.7,	0.0);
(438047.4,	3725529.8,	225.5,	225.5,	0.0);	(438042.9,	3725543.5,	225.9,	225.9,	0.0);
(438029.5,	3725584.8,	224.5,	224.5,	0.0);	(438025.1,	3725598.6,	223.3,	223.3,	0.0);
(438020.6,	3725612.3,	221.9,	221.9,	0.0);	(438011.7,	3725639.9,	219.2,	219.2,	0.0);
(438078.1,	3725292.3,	210.6,	210.6,	0.0);	(438084.7,	3725305.2,	210.8,	210.8,	0.0);
(438091.2,	3725318.2,	211.0,	211.0,	0.0);	(438097.8,	3725331.1,	211.2,	211.2,	0.0);
(438104.4,	3725344.1,	211.6,	211.6,	0.0);	(438111.0,	3725357.0,	212.0,	212.0,	0.0);
(438117.5,	3725370.0,	212.5,	212.5,	0.0);	(438121.9,	3725389.8,	213.2,	213.2,	0.0);
(438117.4,	3725403.7,	213.8,	213.8,	0.0);	(438112.9,	3725417.5,	214.7,	218.0,	0.0);
(438108.4,	3725431.3,	216.1,	218.0,	0.0);	(438104.0,	3725445.1,	217.6,	217.6,	0.0);
(438099.5,	3725458.9,	218.4,	218.4,	0.0);	(438095.0,	3725472.8,	219.2,	219.2,	0.0);
(438090.5,	3725486.6,	220.1,	223.0,	0.0);	(438086.0,	3725500.4,	221.1,	223.0,	0.0);
(438081.6,	3725514.2,	222.3,	225.0,	0.0);	(438077.1,	3725528.0,	223.7,	225.0,	0.0);
(438072.6,	3725541.8,	224.9,	224.9,	0.0);	(438068.1,	3725555.7,	225.7,	225.7,	0.0);
(438054.7,	3725597.1,	223.9,	223.9,	0.0);	(438050.2,	3725610.9,	223.0,	223.0,	0.0);
(438045.7,	3725624.8,	222.1,	222.1,	0.0);	(438041.2,	3725638.6,	221.2,	221.2,	0.0);
(438104.5,	3725283.1,	210.0,	210.0,	0.0);	(438111.1,	3725296.1,	210.0,	210.0,	0.0);
(438117.7,	3725309.1,	210.4,	210.4,	0.0);	(438124.3,	3725322.1,	210.9,	210.9,	0.0);
(438130.9,	3725335.1,	211.3,	211.3,	0.0);	(438137.5,	3725348.1,	211.8,	211.8,	0.0);
(438144.1,	3725361.1,	212.2,	212.2,	0.0);	(438150.7,	3725374.1,	212.6,	212.6,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438151.8,	3725387.5,	213.1,	213.1,	0.0);	(438147.3,	3725401.4,	213.5,	213.5,	0.0);
(438142.8,	3725415.3,	214.0,	214.0,	0.0);	(438138.3,	3725429.1,	214.7,	214.7,	0.0);
(438133.8,	3725443.0,	215.7,	215.7,	0.0);	(438129.3,	3725456.9,	216.7,	216.7,	0.0);
(438124.8,	3725470.7,	217.8,	217.8,	0.0);	(438120.3,	3725484.6,	218.6,	218.6,	0.0);
(438115.8,	3725498.5,	219.2,	219.2,	0.0);	(438111.3,	3725512.3,	219.9,	225.0,	0.0);
(438106.8,	3725526.2,	220.8,	225.0,	0.0);	(438102.3,	3725540.1,	221.9,	221.9,	0.0);
(438097.8,	3725553.9,	222.8,	226.0,	0.0);	(438093.3,	3725567.8,	223.6,	226.0,	0.0);
(438088.8,	3725581.6,	223.7,	223.7,	0.0);	(438075.4,	3725623.2,	222.2,	222.2,	0.0);
(438070.9,	3725637.1,	221.6,	221.6,	0.0);	(438066.4,	3725651.0,	221.1,	221.1,	0.0);
(438057.4,	3725678.7,	219.2,	219.2,	0.0);	(438137.6,	3725287.0,	210.2,	210.2,	0.0);
(438144.2,	3725300.0,	210.6,	210.6,	0.0);	(438150.8,	3725313.1,	211.3,	211.3,	0.0);
(438157.5,	3725326.1,	211.9,	211.9,	0.0);	(438164.1,	3725339.1,	212.1,	212.1,	0.0);
(438170.7,	3725352.2,	212.3,	212.3,	0.0);	(438177.3,	3725365.2,	212.7,	212.7,	0.0);
(438181.7,	3725385.2,	213.0,	213.0,	0.0);	(438177.2,	3725399.1,	213.4,	213.4,	0.0);
(438172.7,	3725413.0,	213.9,	213.9,	0.0);	(438168.1,	3725426.9,	214.3,	214.3,	0.0);
(438163.6,	3725440.8,	214.7,	214.7,	0.0);	(438159.1,	3725454.8,	215.6,	215.6,	0.0);
(438154.6,	3725468.7,	216.7,	216.7,	0.0);	(438150.1,	3725482.6,	217.5,	217.5,	0.0);
(438145.6,	3725496.5,	218.2,	218.2,	0.0);	(438141.1,	3725510.4,	218.7,	218.7,	0.0);
(438136.6,	3725524.3,	218.9,	218.9,	0.0);	(438132.1,	3725538.2,	219.1,	226.0,	0.0);
(438127.6,	3725552.1,	220.2,	220.2,	0.0);	(438123.1,	3725566.0,	221.4,	221.4,	0.0);
(438118.6,	3725579.9,	221.4,	221.4,	0.0);	(438114.0,	3725593.8,	221.6,	221.6,	0.0);
(438109.5,	3725607.7,	221.9,	221.9,	0.0);	(438100.5,	3725635.5,	221.7,	221.7,	0.0);
(438096.0,	3725649.5,	221.2,	221.2,	0.0);	(438091.5,	3725663.4,	220.6,	220.6,	0.0);
(438087.0,	3725677.3,	219.9,	219.9,	0.0);	(438082.5,	3725691.2,	219.1,	219.1,	0.0);
(438170.7,	3725291.0,	210.9,	210.9,	0.0);	(438177.3,	3725304.0,	211.3,	211.3,	0.0);
(438184.0,	3725317.1,	211.7,	211.7,	0.0);	(438190.6,	3725330.2,	212.1,	212.1,	0.0);
(438197.2,	3725343.2,	212.6,	212.6,	0.0);	(438203.9,	3725356.3,	213.0,	213.0,	0.0);
(438210.5,	3725369.4,	213.3,	213.3,	0.0);	(438211.6,	3725382.9,	213.7,	213.7,	0.0);
(438207.1,	3725396.8,	213.7,	213.7,	0.0);	(438202.5,	3725410.8,	213.9,	213.9,	0.0);
(438198.0,	3725424.7,	214.1,	214.1,	0.0);	(438193.5,	3725438.7,	214.1,	214.1,	0.0);
(438189.0,	3725452.6,	214.5,	214.5,	0.0);	(438184.5,	3725466.6,	215.5,	215.5,	0.0);
(438179.9,	3725480.5,	216.5,	216.5,	0.0);	(438175.4,	3725494.4,	217.1,	217.1,	0.0);
(438170.9,	3725508.4,	217.7,	217.7,	0.0);	(438166.4,	3725522.3,	218.3,	218.3,	0.0);
(438161.8,	3725536.3,	218.9,	218.9,	0.0);	(438157.3,	3725550.2,	219.1,	219.1,	0.0);
(438152.8,	3725564.2,	219.4,	219.4,	0.0);	(438148.3,	3725578.1,	219.6,	219.6,	0.0);
(438143.8,	3725592.1,	219.6,	219.6,	0.0);	(438139.2,	3725606.0,	220.0,	220.0,	0.0);
(438134.7,	3725619.9,	220.6,	220.6,	0.0);	(438121.2,	3725661.8,	220.8,	220.8,	0.0);
(438223.8,	3725334.3,	212.4,	212.4,	0.0);	(438230.5,	3725347.4,	212.8,	212.8,	0.0);
(438237.1,	3725360.5,	213.2,	213.2,	0.0);	(438241.5,	3725380.6,	213.8,	213.8,	0.0);
(438237.0,	3725394.5,	214.0,	214.0,	0.0);	(438232.4,	3725408.5,	214.0,	214.0,	0.0);
(438227.9,	3725422.5,	214.2,	214.2,	0.0);	(438223.4,	3725436.5,	214.7,	214.7,	0.0);
(438218.8,	3725450.4,	215.1,	215.1,	0.0);	(438214.3,	3725464.4,	215.5,	215.5,	0.0);
(438209.8,	3725478.4,	216.0,	216.0,	0.0);	(438205.2,	3725492.4,	216.3,	216.3,	0.0);
(438200.7,	3725506.4,	216.6,	216.6,	0.0);	(438196.2,	3725520.3,	217.3,	217.3,	0.0);
(438191.6,	3725534.3,	217.9,	217.9,	0.0);	(438187.1,	3725548.3,	218.1,	218.1,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438182.6,	3725562.3,	218.2,	218.2,	0.0);	(438178.0,	3725576.2,	218.6,	218.6,	0.0);
(438173.5,	3725590.2,	218.9,	218.9,	0.0);	(438169.0,	3725604.2,	219.2,	219.2,	0.0);
(438164.5,	3725618.2,	219.6,	219.6,	0.0);	(438159.9,	3725632.2,	220.0,	220.0,	0.0);
(438155.4,	3725646.1,	220.1,	220.1,	0.0);	(438132.7,	3725716.0,	218.1,	218.1,	0.0);
(438128.2,	3725730.0,	218.0,	218.0,	0.0);	(438271.4,	3725378.2,	213.7,	213.7,	0.0);
(438266.8,	3725392.2,	214.0,	214.0,	0.0);	(438262.3,	3725406.2,	214.0,	214.0,	0.0);
(438257.8,	3725420.2,	214.1,	214.1,	0.0);	(438253.2,	3725434.3,	214.6,	214.6,	0.0);
(438248.7,	3725448.3,	215.1,	215.1,	0.0);	(438244.1,	3725462.3,	215.5,	215.5,	0.0);
(438239.6,	3725476.3,	216.0,	216.0,	0.0);	(438235.1,	3725490.3,	216.0,	216.0,	0.0);
(438230.5,	3725504.3,	216.0,	216.0,	0.0);	(438226.0,	3725518.3,	216.4,	216.4,	0.0);
(438221.4,	3725532.3,	216.9,	216.9,	0.0);	(438216.9,	3725546.3,	217.4,	217.4,	0.0);
(438212.4,	3725560.3,	217.9,	217.9,	0.0);	(438207.8,	3725574.3,	218.1,	218.1,	0.0);
(438203.3,	3725588.3,	218.4,	218.4,	0.0);	(438198.7,	3725602.3,	218.7,	218.7,	0.0);
(438194.2,	3725616.3,	218.9,	218.9,	0.0);	(438189.6,	3725630.4,	219.0,	219.0,	0.0);
(438185.1,	3725644.4,	219.2,	219.2,	0.0);	(438180.6,	3725658.4,	219.3,	219.3,	0.0);
(438167.0,	3725700.4,	218.9,	218.9,	0.0);	(438162.4,	3725714.4,	218.9,	218.9,	0.0);
(438157.9,	3725728.4,	218.6,	218.6,	0.0);	(438153.3,	3725742.4,	218.1,	218.1,	0.0);
(438148.8,	3725756.4,	217.7,	217.7,	0.0);	(438292.2,	3725404.0,	214.0,	214.0,	0.0);
(438287.6,	3725418.0,	214.1,	214.1,	0.0);	(438283.1,	3725432.0,	214.5,	214.5,	0.0);
(438278.5,	3725446.1,	215.0,	215.0,	0.0);	(438274.0,	3725460.1,	215.1,	215.1,	0.0);
(438269.5,	3725474.1,	215.3,	215.3,	0.0);	(438264.9,	3725488.2,	215.7,	215.7,	0.0);
(438260.3,	3725502.2,	216.0,	216.0,	0.0);	(438255.8,	3725516.2,	216.3,	216.3,	0.0);
(438251.2,	3725530.3,	216.8,	216.8,	0.0);	(438246.7,	3725544.3,	217.0,	217.0,	0.0);
(438242.1,	3725558.3,	217.2,	217.2,	0.0);	(438237.6,	3725572.4,	217.4,	217.4,	0.0);
(438233.0,	3725586.4,	217.6,	217.6,	0.0);	(438228.5,	3725600.4,	217.8,	217.8,	0.0);
(438224.0,	3725614.5,	217.9,	217.9,	0.0);	(438219.4,	3725628.5,	218.0,	218.0,	0.0);
(438214.8,	3725642.5,	218.2,	218.2,	0.0);	(438210.3,	3725656.6,	218.3,	218.3,	0.0);
(438205.8,	3725670.6,	218.5,	218.5,	0.0);	(438201.2,	3725684.6,	218.6,	218.6,	0.0);
(438192.1,	3725712.7,	218.1,	218.1,	0.0);	(438187.5,	3725726.7,	218.0,	218.0,	0.0);
(438183.0,	3725740.8,	218.0,	218.0,	0.0);	(438178.5,	3725754.8,	217.9,	217.9,	0.0);
(438173.9,	3725768.8,	217.6,	217.6,	0.0);	(438313.3,	3725428.8,	214.4,	214.4,	0.0);
(438308.8,	3725442.6,	214.9,	214.9,	0.0);	(438304.3,	3725456.5,	215.0,	215.0,	0.0);
(438299.8,	3725470.3,	215.0,	215.0,	0.0);	(438295.3,	3725484.1,	215.3,	215.3,	0.0);
(438290.9,	3725498.0,	215.7,	215.7,	0.0);	(438286.4,	3725511.8,	216.0,	216.0,	0.0);
(438281.9,	3725525.6,	216.0,	216.0,	0.0);	(438277.4,	3725539.5,	216.2,	216.2,	0.0);
(438272.9,	3725553.3,	216.7,	216.7,	0.0);	(438268.4,	3725567.1,	217.0,	217.0,	0.0);
(438264.0,	3725581.0,	217.0,	217.0,	0.0);	(438259.5,	3725594.8,	217.0,	217.0,	0.0);
(438255.0,	3725608.6,	217.4,	217.4,	0.0);	(438250.5,	3725622.5,	217.9,	217.9,	0.0);
(438246.0,	3725636.3,	218.0,	218.0,	0.0);	(438241.5,	3725650.1,	218.0,	218.0,	0.0);
(438237.0,	3725664.0,	218.0,	218.0,	0.0);	(438232.6,	3725677.8,	218.0,	218.0,	0.0);
(438228.1,	3725691.6,	218.0,	218.0,	0.0);	(438223.6,	3725705.5,	218.0,	218.0,	0.0);
(438214.6,	3725733.1,	218.0,	218.0,	0.0);	(438210.1,	3725747.0,	218.0,	218.0,	0.0);
(438205.7,	3725760.8,	218.0,	218.0,	0.0);	(438201.2,	3725774.6,	218.0,	218.0,	0.0);
(438196.7,	3725788.5,	218.0,	218.0,	0.0);	(438344.1,	3725453.6,	214.0,	214.0,	0.0);
(438339.6,	3725467.5,	214.0,	214.0,	0.0);	(438335.1,	3725481.4,	214.3,	214.3,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438330.6,	3725495.2,	214.9,	214.9,	0.0);	(438326.1,	3725509.1,	215.5,	215.5,	0.0);
(438321.6,	3725523.0,	215.8,	215.8,	0.0);	(438317.1,	3725536.9,	216.0,	216.0,	0.0);
(438312.6,	3725550.7,	216.5,	216.5,	0.0);	(438308.1,	3725564.6,	217.0,	217.0,	0.0);
(438303.6,	3725578.5,	217.0,	217.0,	0.0);	(438299.1,	3725592.4,	217.0,	217.0,	0.0);
(438294.6,	3725606.2,	217.3,	217.3,	0.0);	(438290.1,	3725620.1,	217.8,	217.8,	0.0);
(438285.6,	3725634.0,	218.0,	218.0,	0.0);	(438281.1,	3725647.9,	218.0,	218.0,	0.0);
(438276.6,	3725661.7,	218.0,	218.0,	0.0);	(438272.1,	3725675.6,	218.0,	218.0,	0.0);
(438267.6,	3725689.5,	218.0,	218.0,	0.0);	(438263.1,	3725703.4,	218.0,	218.0,	0.0);
(438258.6,	3725717.2,	218.0,	218.0,	0.0);	(438254.1,	3725731.1,	218.0,	218.0,	0.0);
(438240.6,	3725772.8,	218.0,	218.0,	0.0);	(438236.1,	3725786.6,	218.0,	218.0,	0.0);
(438231.7,	3725800.5,	218.0,	218.0,	0.0);	(438227.2,	3725814.4,	218.1,	218.1,	0.0);
(438374.9,	3725478.5,	214.1,	245.0,	0.0);	(438370.4,	3725492.5,	214.5,	214.5,	0.0);
(438365.9,	3725506.4,	215.0,	215.0,	0.0);	(438361.4,	3725520.3,	215.5,	215.5,	0.0);
(438356.8,	3725534.2,	215.9,	215.9,	0.0);	(438352.3,	3725548.1,	216.4,	216.4,	0.0);
(438347.8,	3725562.0,	216.9,	216.9,	0.0);	(438343.3,	3725575.9,	217.3,	217.3,	0.0);
(438338.8,	3725589.8,	217.8,	217.8,	0.0);	(438334.3,	3725603.8,	217.9,	217.9,	0.0);
(438329.8,	3725617.7,	217.9,	217.9,	0.0);	(438325.3,	3725631.6,	218.1,	218.1,	0.0);
(438320.8,	3725645.5,	218.2,	218.2,	0.0);	(438316.3,	3725659.4,	218.2,	218.2,	0.0);
(438311.8,	3725673.3,	218.1,	218.1,	0.0);	(438307.2,	3725687.2,	218.0,	218.0,	0.0);
(438302.7,	3725701.1,	218.0,	218.0,	0.0);	(438298.2,	3725715.0,	218.0,	218.0,	0.0);
(438293.7,	3725729.0,	218.2,	218.2,	0.0);	(438289.2,	3725742.9,	218.3,	218.3,	0.0);
(438284.7,	3725756.8,	218.2,	218.2,	0.0);	(438271.2,	3725798.5,	218.5,	218.5,	0.0);
(438266.6,	3725812.4,	218.7,	218.7,	0.0);	(438262.1,	3725826.3,	218.8,	218.8,	0.0);
(438257.6,	3725840.3,	219.0,	219.0,	0.0);	(438401.1,	3725517.5,	215.8,	215.8,	0.0);
(438396.6,	3725531.5,	216.6,	216.6,	0.0);	(438392.1,	3725545.4,	217.1,	217.1,	0.0);
(438387.6,	3725559.4,	217.4,	217.4,	0.0);	(438383.0,	3725573.3,	217.7,	217.7,	0.0);
(438378.5,	3725587.3,	218.0,	218.0,	0.0);	(438374.0,	3725601.2,	218.3,	218.3,	0.0);
(438369.5,	3725615.1,	218.6,	218.6,	0.0);	(438365.0,	3725629.1,	218.9,	218.9,	0.0);
(438360.4,	3725643.0,	218.9,	218.9,	0.0);	(438355.9,	3725657.0,	219.0,	219.0,	0.0);
(438351.4,	3725670.9,	219.2,	219.2,	0.0);	(438346.9,	3725684.9,	219.2,	219.2,	0.0);
(438342.3,	3725698.8,	219.1,	219.1,	0.0);	(438337.8,	3725712.8,	218.9,	218.9,	0.0);
(438333.3,	3725726.7,	218.9,	218.9,	0.0);	(438328.8,	3725740.6,	218.9,	218.9,	0.0);
(438324.3,	3725754.6,	219.0,	219.0,	0.0);	(438319.8,	3725768.5,	219.0,	219.0,	0.0);
(438315.2,	3725782.5,	219.0,	219.0,	0.0);	(438288.1,	3725866.2,	220.0,	220.0,	0.0);
(438431.8,	3725542.7,	218.0,	218.0,	0.0);	(438427.3,	3725556.7,	218.0,	218.0,	0.0);
(438422.8,	3725570.6,	218.2,	218.2,	0.0);	(438418.2,	3725584.6,	218.6,	218.6,	0.0);
(438413.7,	3725598.6,	219.0,	219.0,	0.0);	(438409.2,	3725612.6,	219.2,	219.2,	0.0);
(438404.6,	3725626.5,	219.2,	219.2,	0.0);	(438400.1,	3725640.5,	219.5,	219.5,	0.0);
(438395.6,	3725654.5,	219.8,	219.8,	0.0);	(438391.0,	3725668.5,	219.8,	219.8,	0.0);
(438386.5,	3725682.4,	220.0,	220.0,	0.0);	(438382.0,	3725696.4,	220.0,	220.0,	0.0);
(438377.5,	3725710.4,	220.0,	220.0,	0.0);	(438372.9,	3725724.4,	220.0,	220.0,	0.0);
(438368.4,	3725738.3,	220.0,	220.0,	0.0);	(438363.9,	3725752.3,	219.8,	219.8,	0.0);
(438359.3,	3725766.3,	219.7,	219.7,	0.0);	(438354.8,	3725780.3,	219.5,	219.5,	0.0);
(438350.3,	3725794.2,	219.4,	219.4,	0.0);	(438345.8,	3725808.2,	219.2,	219.2,	0.0);
(438332.2,	3725850.1,	220.0,	220.0,	0.0);	(438327.6,	3725864.1,	220.5,	220.5,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438323.1,	3725878.1,	221.2,	221.2,	0.0);	(438318.6,	3725892.1,	222.0,	222.0,	0.0);
(438458.0,	3725581.9,	218.5,	218.5,	0.0);	(438453.4,	3725595.9,	219.0,	219.0,	0.0);
(438448.9,	3725609.9,	219.5,	219.5,	0.0);	(438444.4,	3725623.9,	219.9,	219.9,	0.0);
(438439.8,	3725637.9,	220.0,	220.0,	0.0);	(438435.3,	3725651.9,	220.0,	220.0,	0.0);
(438430.7,	3725665.9,	220.3,	220.3,	0.0);	(438426.2,	3725679.9,	220.7,	220.7,	0.0);
(438421.7,	3725693.9,	220.7,	220.7,	0.0);	(438417.1,	3725707.9,	220.6,	220.6,	0.0);
(438412.6,	3725721.9,	220.4,	220.4,	0.0);	(438408.0,	3725735.9,	220.3,	220.3,	0.0);
(438403.5,	3725749.9,	220.1,	220.1,	0.0);	(438399.0,	3725763.9,	220.0,	220.0,	0.0);
(438394.4,	3725777.9,	220.0,	220.0,	0.0);	(438389.9,	3725791.9,	220.0,	220.0,	0.0);
(438385.3,	3725805.9,	220.0,	220.0,	0.0);	(438380.8,	3725819.9,	220.2,	220.2,	0.0);
(438376.3,	3725833.9,	220.2,	220.2,	0.0);	(438362.6,	3725875.9,	222.7,	225.0,	0.0);
(438358.1,	3725889.9,	223.7,	223.7,	0.0);	(438353.6,	3725904.0,	224.3,	230.0,	0.0);
(438488.6,	3725607.3,	219.4,	219.4,	0.0);	(438484.1,	3725621.3,	219.8,	219.8,	0.0);
(438479.5,	3725635.3,	220.0,	220.0,	0.0);	(438475.0,	3725649.3,	220.0,	220.0,	0.0);
(438470.4,	3725663.4,	220.2,	220.2,	0.0);	(438465.9,	3725677.4,	220.7,	220.7,	0.0);
(438461.3,	3725691.4,	221.0,	221.0,	0.0);	(438456.8,	3725705.4,	221.0,	221.0,	0.0);
(438452.2,	3725719.5,	221.0,	221.0,	0.0);	(438447.7,	3725733.5,	221.0,	221.0,	0.0);
(438443.2,	3725747.5,	221.0,	221.0,	0.0);	(438438.6,	3725761.5,	221.2,	221.2,	0.0);
(438434.1,	3725775.6,	221.2,	221.2,	0.0);	(438429.5,	3725789.6,	221.0,	221.0,	0.0);
(438425.0,	3725803.6,	220.9,	220.9,	0.0);	(438420.4,	3725817.6,	221.1,	221.1,	0.0);
(438311.7,	3724752.2,	241.7,	255.0,	0.0);	(438318.4,	3724765.3,	242.6,	255.0,	0.0);
(438325.1,	3724778.5,	243.7,	252.0,	0.0);	(438331.8,	3724791.7,	245.2,	252.0,	0.0);
(438519.3,	3725632.6,	220.0,	220.0,	0.0);	(438514.7,	3725646.7,	220.0,	220.0,	0.0);
(438510.2,	3725660.7,	220.2,	220.2,	0.0);	(438505.6,	3725674.8,	220.6,	220.6,	0.0);
(438501.0,	3725688.8,	221.0,	221.0,	0.0);	(438496.5,	3725702.9,	221.0,	221.0,	0.0);
(438491.9,	3725716.9,	221.0,	221.0,	0.0);	(438487.4,	3725731.0,	221.5,	221.5,	0.0);
(438482.8,	3725745.0,	221.8,	221.8,	0.0);	(438478.3,	3725759.1,	221.8,	221.8,	0.0);
(438302.8,	3724740.8,	241.4,	255.0,	0.0);	(438337.8,	3724721.8,	237.0,	255.0,	0.0);
(438344.4,	3724734.8,	238.0,	255.0,	0.0);	(438351.0,	3724747.9,	239.2,	255.0,	0.0);
(438357.6,	3724760.9,	240.5,	252.0,	0.0);	(438364.3,	3724774.0,	242.1,	252.0,	0.0);
(438370.9,	3724787.0,	243.9,	250.0,	0.0);	(438377.5,	3724800.1,	245.0,	250.0,	0.0);
(438384.1,	3724813.1,	247.4,	250.0,	0.0);	(438390.8,	3724826.1,	248.9,	248.9,	0.0);
(438417.3,	3724878.3,	240.4,	252.0,	0.0);	(438423.9,	3724891.4,	237.3,	252.0,	0.0);
(438430.5,	3724904.4,	234.2,	252.0,	0.0);	(438437.1,	3724917.5,	231.2,	252.0,	0.0);
(438443.8,	3724930.5,	228.1,	265.0,	0.0);	(438450.4,	3724943.6,	225.7,	268.0,	0.0);
(438546.4,	3725668.7,	220.4,	220.4,	0.0);	(438541.9,	3725682.6,	220.9,	220.9,	0.0);
(438537.4,	3725696.5,	221.0,	221.0,	0.0);	(438370.5,	3724704.5,	233.8,	255.0,	0.0);
(438377.1,	3724717.6,	234.9,	255.0,	0.0);	(438383.7,	3724730.6,	236.0,	255.0,	0.0);
(438390.4,	3724743.7,	237.1,	255.0,	0.0);	(438397.0,	3724756.8,	238.2,	252.0,	0.0);
(438403.6,	3724769.8,	239.2,	252.0,	0.0);	(438410.3,	3724782.9,	240.0,	252.0,	0.0);
(438416.9,	3724796.0,	242.6,	250.0,	0.0);	(438423.5,	3724809.1,	245.7,	250.0,	0.0);
(438430.2,	3724822.1,	246.7,	250.0,	0.0);	(438436.8,	3724835.2,	245.3,	250.0,	0.0);
(438443.5,	3724848.3,	243.7,	250.0,	0.0);	(438450.1,	3724861.3,	240.2,	250.0,	0.0);
(438456.7,	3724874.4,	236.7,	252.0,	0.0);	(438463.4,	3724887.5,	233.4,	252.0,	0.0);
(438470.0,	3724900.6,	229.6,	265.0,	0.0);	(438396.5,	3724674.2,	229.2,	262.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438403.2,	3724687.3,	230.6,	262.0,	0.0);	(438409.8,	3724700.4,	232.1,	262.0,	0.0);
(	438416.5,	3724713.4,	233.2,	255.0,	0.0);	(438423.1,	3724726.5,	234.3,	255.0,	0.0);
(	438429.8,	3724739.6,	235.4,	252.0,	0.0);	(438436.4,	3724752.7,	236.4,	250.0,	0.0);
(	438443.1,	3724765.8,	237.3,	250.0,	0.0);	(438449.7,	3724778.9,	238.4,	250.0,	0.0);
(	438456.3,	3724792.0,	239.7,	250.0,	0.0);	(438463.0,	3724805.1,	240.6,	250.0,	0.0);
(	438469.6,	3724818.2,	240.9,	250.0,	0.0);	(438476.3,	3724831.3,	239.5,	250.0,	0.0);
(	438483.0,	3724844.4,	237.5,	250.0,	0.0);	(438489.6,	3724857.4,	234.1,	250.0,	0.0);
(	438496.2,	3724870.5,	231.2,	265.0,	0.0);	(437835.2,	3725488.9,	214.7,	226.0,	0.0);
(	437840.8,	3725481.7,	215.7,	226.0,	0.0);	(437882.9,	3725525.4,	217.5,	225.0,	0.0);
(	437898.7,	3725537.6,	218.8,	225.0,	0.0);	(438198.7,	3725721.6,	218.0,	218.0,	0.0);
(	438222.5,	3725739.8,	218.0,	218.0,	0.0);	(438280.5,	3725795.7,	218.7,	218.7,	0.0);
(	437841.2,	3725401.4,	221.8,	221.8,	0.0);	(437860.7,	3725405.5,	222.8,	222.8,	0.0);
(	437899.8,	3725413.6,	224.8,	224.8,	0.0);	(437916.0,	3725425.0,	225.4,	225.4,	0.0);
(	437922.7,	3725410.2,	225.6,	225.6,	0.0);	(437926.0,	3725393.7,	224.7,	224.7,	0.0);
(	437939.0,	3725421.6,	224.7,	224.7,	0.0);	(437932.1,	3725436.6,	224.8,	224.8,	0.0);
(	437955.1,	3725433.1,	223.5,	223.5,	0.0);	(437948.3,	3725448.2,	224.1,	224.1,	0.0);
(	437964.3,	3725460.0,	223.9,	223.9,	0.0);	(437980.4,	3725471.8,	224.5,	225.0,	0.0);
(	437991.4,	3725494.7,	225.5,	225.5,	0.0);	(438037.1,	3725441.0,	219.7,	219.7,	0.0);
(	438030.5,	3725455.5,	221.0,	224.0,	0.0);	(438023.9,	3725470.1,	222.5,	222.5,	0.0);
(	438017.3,	3725484.6,	224.1,	224.1,	0.0);	(438010.7,	3725499.2,	225.5,	225.5,	0.0);
(	438004.1,	3725513.7,	226.2,	226.2,	0.0);	(438042.1,	3725425.4,	218.5,	218.5,	0.0);
(	438063.0,	3725454.7,	219.8,	219.8,	0.0);	(438056.1,	3725469.8,	221.0,	221.0,	0.0);
(	438049.3,	3725484.9,	222.5,	225.0,	0.0);	(438042.4,	3725500.0,	224.2,	225.0,	0.0);
(	438035.6,	3725515.1,	225.4,	225.4,	0.0);	(438028.7,	3725530.3,	226.2,	226.2,	0.0);
(	438018.5,	3725552.9,	226.3,	226.3,	0.0);	(438073.1,	3725423.0,	216.6,	219.0,	0.0);
(	438085.8,	3725475.1,	219.9,	219.9,	0.0);	(438079.1,	3725490.0,	221.2,	221.2,	0.0);
(	438072.3,	3725504.8,	222.6,	223.0,	0.0);	(438065.6,	3725519.6,	224.1,	224.1,	0.0);
(	438058.9,	3725534.5,	225.3,	225.3,	0.0);	(438052.2,	3725549.3,	225.8,	225.8,	0.0);
(	438038.7,	3725579.0,	225.1,	225.1,	0.0);	(438111.3,	3725489.6,	219.1,	219.1,	0.0);
(	438104.4,	3725504.9,	219.8,	225.0,	0.0);	(438097.4,	3725520.2,	221.2,	225.0,	0.0);
(	438090.5,	3725535.5,	222.9,	225.0,	0.0);	(438083.6,	3725550.9,	224.1,	224.1,	0.0);
(	438076.6,	3725566.2,	225.3,	226.0,	0.0);	(438127.4,	3725524.9,	219.2,	219.2,	0.0);
(	438120.5,	3725540.0,	220.1,	226.0,	0.0);	(438113.7,	3725555.1,	221.5,	221.5,	0.0);
(	438106.9,	3725570.1,	222.5,	222.5,	0.0);	(438100.1,	3725585.2,	223.0,	223.0,	0.0);
(	438147.1,	3725552.1,	219.4,	219.4,	0.0);	(438140.4,	3725567.0,	220.3,	220.3,	0.0);
(	438133.7,	3725581.8,	220.3,	220.3,	0.0);	(438127.0,	3725596.7,	220.3,	220.3,	0.0);
(	438120.2,	3725611.5,	221.1,	221.1,	0.0);	(438179.0,	3725552.7,	218.4,	218.4,	0.0);
(	438172.1,	3725567.9,	218.6,	218.6,	0.0);	(438165.2,	3725583.1,	218.9,	218.9,	0.0);
(	438158.3,	3725598.3,	219.1,	219.1,	0.0);	(438151.4,	3725613.6,	219.9,	219.9,	0.0);
(	438144.5,	3725628.8,	220.5,	220.5,	0.0);	(438198.7,	3725580.0,	218.3,	218.3,	0.0);
(	438191.9,	3725595.0,	218.9,	218.9,	0.0);	(438185.1,	3725610.0,	219.1,	219.1,	0.0);
(	438178.3,	3725625.0,	219.4,	219.4,	0.0);	(438171.5,	3725640.0,	219.6,	219.6,	0.0);
(	438164.7,	3725655.1,	219.8,	219.8,	0.0);	(438225.3,	3725592.0,	217.8,	217.8,	0.0);
(	438218.6,	3725606.9,	218.0,	218.0,	0.0);	(438211.9,	3725621.7,	218.3,	218.3,	0.0);
(	438205.1,	3725636.5,	218.5,	218.5,	0.0);	(438198.4,	3725651.4,	218.7,	218.7,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438191.7,	3725666.2,	218.9,	218.9,	0.0);	(438275.8,	3725480.7,	215.3,	215.3,	0.0);
(438301.7,	3725494.2,	215.6,	215.6,	0.0);	(438236.5,	3725638.2,	218.0,	218.0,	0.0);
(438229.6,	3725653.4,	218.0,	218.0,	0.0);	(438222.7,	3725668.5,	218.0,	218.0,	0.0);
(438215.9,	3725683.7,	218.1,	218.1,	0.0);	(438306.8,	3725478.3,	215.1,	215.1,	0.0);
(438293.8,	3725582.4,	217.0,	217.0,	0.0);	(438287.0,	3725597.4,	217.0,	217.0,	0.0);
(438280.2,	3725612.4,	217.5,	217.5,	0.0);	(438273.5,	3725627.4,	218.0,	218.0,	0.0);
(438266.6,	3725642.4,	218.0,	218.0,	0.0);	(438259.9,	3725657.4,	218.0,	218.0,	0.0);
(438253.1,	3725672.4,	218.0,	218.0,	0.0);	(438246.3,	3725687.4,	218.0,	218.0,	0.0);
(438239.5,	3725702.3,	218.0,	218.0,	0.0);	(438319.2,	3725620.9,	217.9,	217.9,	0.0);
(438312.3,	3725636.0,	218.0,	218.0,	0.0);	(438305.5,	3725651.1,	218.0,	218.0,	0.0);
(438298.7,	3725666.1,	218.0,	218.0,	0.0);	(438291.8,	3725681.2,	218.0,	218.0,	0.0);
(438285.0,	3725696.3,	218.0,	218.0,	0.0);	(438278.2,	3725711.4,	218.0,	218.0,	0.0);
(438271.3,	3725726.5,	218.0,	218.0,	0.0);	(438264.5,	3725741.5,	218.0,	218.0,	0.0);
(438351.2,	3725644.5,	218.8,	218.8,	0.0);	(438344.4,	3725659.7,	219.0,	219.0,	0.0);
(438337.5,	3725674.8,	218.9,	218.9,	0.0);	(438330.6,	3725690.0,	218.7,	218.7,	0.0);
(438323.8,	3725705.1,	218.5,	218.5,	0.0);	(438316.9,	3725720.3,	218.4,	218.4,	0.0);
(438310.0,	3725735.4,	218.7,	218.7,	0.0);	(438303.2,	3725750.6,	218.8,	218.8,	0.0);
(438296.3,	3725765.8,	218.6,	218.6,	0.0);	(438386.7,	3725660.6,	219.6,	219.6,	0.0);
(438379.8,	3725675.8,	219.8,	219.8,	0.0);	(438372.9,	3725691.0,	220.0,	220.0,	0.0);
(438366.0,	3725706.2,	219.9,	219.9,	0.0);	(438359.1,	3725721.5,	219.7,	219.7,	0.0);
(438352.2,	3725736.7,	219.4,	219.4,	0.0);	(438345.3,	3725751.9,	219.2,	219.2,	0.0);
(438338.4,	3725767.1,	219.0,	219.0,	0.0);	(438331.5,	3725782.4,	219.0,	219.0,	0.0);
(438467.2,	3725577.3,	218.5,	218.5,	0.0);	(438411.8,	3725699.6,	220.4,	220.4,	0.0);
(438404.9,	3725714.9,	220.2,	220.2,	0.0);	(438398.0,	3725730.1,	220.0,	220.0,	0.0);
(438391.1,	3725745.4,	220.0,	220.0,	0.0);	(438384.1,	3725760.7,	220.0,	220.0,	0.0);
(438377.2,	3725776.0,	220.0,	220.0,	0.0);	(438370.3,	3725791.3,	220.0,	220.0,	0.0);
(438363.3,	3725806.6,	219.8,	219.8,	0.0);	(438492.5,	3725616.0,	219.7,	219.7,	0.0);
(438443.8,	3725723.4,	221.0,	221.0,	0.0);	(438436.9,	3725738.7,	221.0,	221.0,	0.0);
(438429.9,	3725754.1,	221.0,	221.0,	0.0);	(438423.0,	3725769.4,	220.8,	220.8,	0.0);
(438416.0,	3725784.8,	220.6,	220.6,	0.0);	(438409.1,	3725800.1,	220.3,	220.3,	0.0);
(438402.1,	3725815.4,	220.4,	220.4,	0.0);	(438395.1,	3725830.8,	220.7,	220.7,	0.0);
(438474.4,	3725750.3,	221.6,	221.6,	0.0);	(438467.6,	3725765.3,	221.7,	221.7,	0.0);
(438460.8,	3725780.4,	222.0,	222.0,	0.0);	(437812.9,	3725342.7,	221.4,	221.4,	0.0);
(437869.3,	3725369.3,	224.3,	224.3,	0.0);	(437910.2,	3725367.3,	223.2,	226.0,	0.0);
(437951.0,	3725365.4,	219.8,	226.0,	0.0);	(437966.6,	3725394.0,	220.3,	226.0,	0.0);
(437970.8,	3725368.6,	218.2,	226.0,	0.0);	(438044.6,	3725412.1,	217.3,	218.0,	0.0);
(438047.0,	3725398.5,	215.9,	218.0,	0.0);	(438049.7,	3725381.5,	214.4,	218.0,	0.0);
(438075.2,	3725411.8,	215.5,	215.5,	0.0);	(438078.0,	3725394.9,	214.3,	214.3,	0.0);
(438103.7,	3725422.8,	215.5,	218.0,	0.0);	(438106.2,	3725408.2,	214.3,	214.3,	0.0);
(438108.9,	3725391.3,	213.3,	213.3,	0.0);	(438137.2,	3725404.6,	213.6,	213.6,	0.0);
(438168.1,	3725401.0,	213.5,	213.5,	0.0);	(437833.4,	3725344.4,	222.1,	222.1,	0.0);
(437889.0,	3725368.7,	224.8,	224.8,	0.0);	(438007.4,	3725390.4,	217.2,	224.0,	0.0);
(437917.0,	3725342.6,	219.9,	226.0,	0.0);	(437957.7,	3725345.4,	217.5,	226.0,	0.0);
(437979.3,	3725342.7,	216.1,	226.0,	0.0);	(438013.1,	3725370.0,	215.7,	224.0,	0.0);
(438034.7,	3725367.3,	214.1,	224.0,	0.0);	(438058.6,	3725356.5,	212.4,	212.4,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438113.9,	3725381.1,	212.8,	212.8,	0.0);	(438142.8,	3725389.4,	213.1,	213.1,	0.0);
(437863.6,	3725276.9,	218.1,	218.1,	0.0);	(437899.2,	3725260.6,	215.2,	215.2,	0.0);
(437918.1,	3725263.3,	214.0,	224.0,	0.0);	(437996.2,	3725295.5,	212.4,	225.0,	0.0);
(438016.2,	3725308.8,	212.2,	225.0,	0.0);	(438017.2,	3725318.0,	212.5,	225.0,	0.0);
(438018.1,	3725327.2,	212.8,	225.0,	0.0);	(438019.1,	3725336.4,	213.3,	225.0,	0.0);
(438032.6,	3725287.7,	211.0,	211.0,	0.0);	(438033.6,	3725296.8,	211.2,	211.2,	0.0);
(438034.6,	3725305.8,	211.5,	211.5,	0.0);	(438035.5,	3725314.9,	211.8,	211.8,	0.0);
(438055.7,	3725329.8,	212.1,	212.1,	0.0);	(438056.7,	3725338.7,	212.2,	212.2,	0.0);
(438083.6,	3725328.4,	211.6,	211.6,	0.0);	(438084.5,	3725337.5,	211.7,	211.7,	0.0);
(438085.5,	3725346.6,	211.8,	211.8,	0.0);	(438086.5,	3725355.7,	212.0,	212.0,	0.0);
(438110.6,	3725319.5,	210.8,	210.8,	0.0);	(438111.6,	3725328.4,	211.1,	211.1,	0.0);
(438113.4,	3725346.2,	211.7,	211.7,	0.0);	(438137.5,	3725308.8,	210.7,	210.7,	0.0);
(438138.4,	3725317.8,	211.0,	211.0,	0.0);	(438139.4,	3725326.9,	211.3,	211.3,	0.0);
(438140.3,	3725335.9,	211.6,	211.6,	0.0);	(438164.3,	3725297.6,	211.1,	211.1,	0.0);
(438165.2,	3725306.8,	211.4,	211.4,	0.0);	(438166.2,	3725316.0,	211.7,	211.7,	0.0);
(438167.2,	3725325.2,	212.0,	212.0,	0.0);	(438173.0,	3725380.3,	212.9,	212.9,	0.0);
(438194.2,	3725316.3,	211.7,	211.7,	0.0);	(438200.0,	3725370.5,	213.2,	213.2,	0.0);
(438200.9,	3725379.6,	213.3,	213.3,	0.0);	(438201.8,	3725388.6,	213.5,	213.5,	0.0);
(438226.8,	3725360.2,	213.1,	213.1,	0.0);	(438227.8,	3725369.3,	213.4,	213.4,	0.0);
(438228.8,	3725378.5,	213.7,	213.7,	0.0);	(438229.7,	3725387.6,	214.0,	214.0,	0.0);
(438254.8,	3725360.0,	213.1,	213.1,	0.0);	(438255.8,	3725369.0,	213.4,	213.4,	0.0);
(438256.7,	3725378.0,	213.7,	213.7,	0.0);	(438257.6,	3725387.0,	214.0,	214.0,	0.0);
(438258.6,	3725396.1,	214.0,	214.0,	0.0);	(438285.5,	3725385.9,	214.0,	214.0,	0.0);
(438286.5,	3725395.0,	214.0,	214.0,	0.0);	(438472.4,	3724891.0,	231.0,	265.0,	0.0);
(438507.7,	3724872.3,	229.7,	268.0,	0.0);	(438503.4,	3724864.1,	231.3,	265.0,	0.0);
(438499.0,	3724855.9,	233.0,	262.0,	0.0);	(438494.7,	3724847.7,	234.9,	250.0,	0.0);
(438534.3,	3724837.2,	230.3,	268.0,	0.0);	(438530.0,	3724829.0,	231.5,	265.0,	0.0);
(438565.3,	3724810.2,	231.1,	268.0,	0.0);	(438160.6,	3724648.2,	244.8,	255.0,	0.0);
(438152.8,	3724642.8,	244.4,	255.0,	0.0);	(438145.0,	3724637.5,	244.5,	255.0,	0.0);
(438137.3,	3724632.2,	244.4,	255.0,	0.0);	(438129.5,	3724626.8,	244.4,	244.4,	0.0);
(438121.8,	3724621.5,	244.2,	244.2,	0.0);	(438114.0,	3724616.2,	244.2,	244.2,	0.0);
(438106.3,	3724610.9,	244.5,	244.5,	0.0);	(438098.5,	3724605.5,	245.0,	245.0,	0.0);
(438189.4,	3724622.1,	239.2,	255.0,	0.0);	(438195.6,	3724629.1,	240.1,	255.0,	0.0);
(438201.8,	3724636.0,	240.8,	255.0,	0.0);	(438207.9,	3724642.9,	241.2,	255.0,	0.0);
(438214.1,	3724649.8,	241.6,	255.0,	0.0);	(438220.3,	3724656.8,	241.7,	255.0,	0.0);
(438226.4,	3724663.7,	242.0,	255.0,	0.0);	(438232.6,	3724670.6,	242.9,	255.0,	0.0);
(438238.8,	3724677.5,	243.5,	255.0,	0.0);	(438245.0,	3724684.4,	243.2,	255.0,	0.0);
(438251.1,	3724691.4,	242.4,	255.0,	0.0);	(438257.3,	3724698.3,	242.3,	255.0,	0.0);
(438263.5,	3724705.2,	242.1,	255.0,	0.0);	(438269.7,	3724712.1,	241.9,	255.0,	0.0);
(438275.8,	3724719.1,	241.8,	255.0,	0.0);	(438282.0,	3724726.0,	241.8,	255.0,	0.0);
(438288.2,	3724732.9,	241.9,	255.0,	0.0);	(438343.7,	3724795.2,	245.7,	252.0,	0.0);
(438349.9,	3724802.1,	246.5,	250.0,	0.0);	(438356.1,	3724809.1,	246.9,	250.0,	0.0);
(438183.2,	3724615.2,	238.4,	255.0,	0.0);	(438175.5,	3724609.9,	238.1,	255.0,	0.0);
(438167.7,	3724604.5,	238.1,	255.0,	0.0);	(438160.0,	3724599.2,	238.5,	255.0,	0.0);
(438152.2,	3724593.9,	239.1,	255.0,	0.0);	(438144.5,	3724588.6,	239.6,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438136.7,	3724583.2,	240.0,	255.0,	0.0);	(438128.9,	3724577.9,	240.2,	250.0,	0.0);
(	438121.2,	3724572.6,	240.6,	250.0,	0.0);	(438212.1,	3724589.2,	233.6,	255.0,	0.0);
(	438218.2,	3724596.1,	234.1,	255.0,	0.0);	(438224.4,	3724603.0,	234.4,	255.0,	0.0);
(	438230.6,	3724610.0,	234.8,	255.0,	0.0);	(438236.8,	3724616.9,	235.3,	255.0,	0.0);
(	438243.0,	3724623.8,	235.8,	255.0,	0.0);	(438249.2,	3724630.8,	236.3,	255.0,	0.0);
(	438255.3,	3724637.7,	236.8,	255.0,	0.0);	(438261.5,	3724644.6,	237.1,	255.0,	0.0);
(	438267.7,	3724651.6,	237.3,	255.0,	0.0);	(438273.9,	3724658.5,	237.6,	255.0,	0.0);
(	438280.1,	3724665.4,	237.9,	255.0,	0.0);	(438286.2,	3724672.4,	237.8,	255.0,	0.0);
(	438292.4,	3724679.3,	237.8,	255.0,	0.0);	(438298.6,	3724686.2,	237.9,	255.0,	0.0);
(	438317.2,	3724707.0,	238.1,	255.0,	0.0);	(438366.6,	3724762.5,	240.2,	252.0,	0.0);
(	438372.8,	3724769.4,	241.0,	252.0,	0.0);	(438379.0,	3724776.4,	241.6,	252.0,	0.0);
(	438385.2,	3724783.3,	242.1,	252.0,	0.0);	(438391.3,	3724790.2,	242.8,	250.0,	0.0);
(	438397.5,	3724797.2,	244.4,	250.0,	0.0);	(438403.7,	3724804.1,	246.0,	250.0,	0.0);
(	438409.9,	3724811.0,	247.5,	250.0,	0.0);	(438416.1,	3724818.0,	248.3,	250.0,	0.0);
(	438428.4,	3724831.8,	246.6,	250.0,	0.0);	(438205.9,	3724582.2,	233.1,	255.0,	0.0);
(	438198.1,	3724576.9,	232.8,	255.0,	0.0);	(438190.4,	3724571.6,	232.7,	255.0,	0.0);
(	438182.6,	3724566.3,	233.2,	255.0,	0.0);	(438174.9,	3724560.9,	233.7,	255.0,	0.0);
(	438167.1,	3724555.6,	234.1,	255.0,	0.0);	(438159.4,	3724550.3,	234.5,	255.0,	0.0);
(	438151.6,	3724544.9,	235.0,	255.0,	0.0);	(438143.8,	3724539.6,	235.7,	255.0,	0.0);
(	438234.7,	3724556.2,	228.7,	255.0,	0.0);	(438240.9,	3724563.2,	229.0,	255.0,	0.0);
(	438247.1,	3724570.1,	229.4,	255.0,	0.0);	(438253.3,	3724577.0,	229.7,	255.0,	0.0);
(	438259.5,	3724584.0,	230.0,	255.0,	0.0);	(438265.7,	3724590.9,	230.4,	255.0,	0.0);
(	438271.9,	3724597.9,	231.0,	255.0,	0.0);	(438278.1,	3724604.8,	231.8,	255.0,	0.0);
(	438284.2,	3724611.8,	232.1,	255.0,	0.0);	(438290.4,	3724618.7,	232.3,	255.0,	0.0);
(	438296.6,	3724625.6,	232.6,	255.0,	0.0);	(438302.8,	3724632.6,	233.0,	255.0,	0.0);
(	438309.0,	3724639.5,	233.3,	255.0,	0.0);	(438315.2,	3724646.5,	233.2,	255.0,	0.0);
(	438321.4,	3724653.4,	233.2,	255.0,	0.0);	(438327.6,	3724660.3,	233.3,	255.0,	0.0);
(	438333.8,	3724667.3,	233.5,	255.0,	0.0);	(438340.0,	3724674.2,	233.8,	255.0,	0.0);
(	438401.8,	3724743.6,	236.7,	252.0,	0.0);	(438408.0,	3724750.6,	237.2,	252.0,	0.0);
(	438414.2,	3724757.5,	237.6,	252.0,	0.0);	(438420.4,	3724764.4,	238.0,	252.0,	0.0);
(	438426.6,	3724771.4,	238.2,	250.0,	0.0);	(438432.8,	3724778.3,	238.5,	250.0,	0.0);
(	438439.0,	3724785.3,	238.9,	250.0,	0.0);	(438445.2,	3724792.2,	240.1,	250.0,	0.0);
(	438228.5,	3724549.3,	228.5,	255.0,	0.0);	(438220.8,	3724544.0,	228.7,	255.0,	0.0);
(	438213.0,	3724538.6,	228.9,	255.0,	0.0);	(438205.3,	3724533.3,	229.1,	255.0,	0.0);
(	438197.5,	3724528.0,	229.3,	255.0,	0.0);	(438189.8,	3724522.6,	229.4,	255.0,	0.0);
(	438182.0,	3724517.3,	229.8,	255.0,	0.0);	(438174.3,	3724512.0,	230.3,	255.0,	0.0);
(	438166.5,	3724506.6,	230.7,	255.0,	0.0);	(438257.4,	3724523.3,	222.8,	269.0,	0.0);
(	438263.6,	3724530.2,	223.0,	269.0,	0.0);	(438269.8,	3724537.2,	223.4,	269.0,	0.0);
(	438276.0,	3724544.1,	223.9,	269.0,	0.0);	(438282.2,	3724551.1,	224.3,	269.0,	0.0);
(	438288.4,	3724558.0,	224.6,	263.0,	0.0);	(438294.6,	3724565.0,	224.9,	263.0,	0.0);
(	438300.8,	3724571.9,	225.2,	262.0,	0.0);	(438307.0,	3724578.9,	225.6,	262.0,	0.0);
(	438313.2,	3724585.8,	226.0,	262.0,	0.0);	(438319.4,	3724592.8,	226.2,	262.0,	0.0);
(	438325.5,	3724599.7,	226.2,	262.0,	0.0);	(438331.8,	3724606.6,	226.1,	262.0,	0.0);
(	438337.9,	3724613.6,	226.5,	262.0,	0.0);	(438344.1,	3724620.5,	227.0,	262.0,	0.0);
(	438350.3,	3724627.5,	227.4,	262.0,	0.0);	(438356.5,	3724634.4,	227.6,	262.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438418.5,	3724703.9,	232.2,	262.0,	0.0);	(438430.9,	3724717.8,	233.1,	255.0,	0.0);
(438437.1,	3724724.8,	233.6,	252.0,	0.0);	(438443.3,	3724731.7,	234.1,	252.0,	0.0);
(438449.5,	3724738.7,	234.6,	250.0,	0.0);	(438455.7,	3724745.6,	235.1,	250.0,	0.0);
(438461.8,	3724752.6,	235.5,	250.0,	0.0);	(438468.0,	3724759.5,	235.8,	250.0,	0.0);
(438474.2,	3724766.4,	236.1,	250.0,	0.0);	(438480.4,	3724773.4,	236.3,	250.0,	0.0);
(438486.6,	3724780.3,	236.6,	250.0,	0.0);	(438492.8,	3724787.3,	236.7,	250.0,	0.0);
(438499.0,	3724794.2,	236.2,	250.0,	0.0);	(438505.2,	3724801.2,	235.7,	250.0,	0.0);
(438511.4,	3724808.1,	235.0,	250.0,	0.0);	(438517.6,	3724815.1,	234.3,	262.0,	0.0);
(438523.8,	3724822.0,	232.9,	262.0,	0.0);	(438251.2,	3724516.3,	222.8,	269.0,	0.0);
(438243.5,	3724511.0,	223.2,	269.0,	0.0);	(438235.7,	3724505.7,	223.6,	269.0,	0.0);
(438227.9,	3724500.3,	224.2,	269.0,	0.0);	(438220.2,	3724495.0,	224.8,	269.0,	0.0);
(438212.4,	3724489.7,	225.1,	269.0,	0.0);	(438204.7,	3724484.3,	225.3,	269.0,	0.0);
(438196.9,	3724479.0,	225.5,	269.0,	0.0);	(438189.2,	3724473.7,	225.8,	269.0,	0.0);
(438466.1,	3724699.0,	230.1,	262.0,	0.0);	(438472.3,	3724705.9,	230.6,	262.0,	0.0);
(438478.5,	3724712.9,	231.1,	262.0,	0.0);	(438484.7,	3724719.8,	231.5,	262.0,	0.0);
(438490.9,	3724726.8,	232.0,	262.0,	0.0);	(438497.1,	3724733.7,	231.9,	262.0,	0.0);
(438503.3,	3724740.7,	231.8,	262.0,	0.0);	(438509.5,	3724747.6,	231.6,	262.0,	0.0);
(438515.7,	3724754.6,	231.3,	262.0,	0.0);	(438521.9,	3724761.5,	231.3,	262.0,	0.0);
(438528.1,	3724768.5,	231.3,	262.0,	0.0);	(438534.3,	3724775.5,	231.2,	262.0,	0.0);
(438540.5,	3724782.4,	230.8,	264.0,	0.0);	(438546.7,	3724789.4,	230.3,	267.0,	0.0);
(438552.9,	3724796.3,	230.2,	268.0,	0.0);	(438559.1,	3724803.3,	230.6,	268.0,	0.0);
(438211.8,	3724440.7,	219.4,	269.0,	0.0);	(438302.7,	3724457.4,	222.7,	269.0,	0.0);
(438308.9,	3724464.3,	223.1,	269.0,	0.0);	(438315.1,	3724471.3,	223.3,	269.0,	0.0);
(438321.3,	3724478.2,	223.6,	269.0,	0.0);	(438327.6,	3724485.2,	224.1,	269.0,	0.0);
(438333.8,	3724492.2,	224.6,	269.0,	0.0);	(438340.0,	3724499.1,	225.2,	269.0,	0.0);
(438346.2,	3724506.1,	225.3,	269.0,	0.0);	(438352.4,	3724513.0,	225.5,	269.0,	0.0);
(438358.6,	3724520.0,	225.7,	269.0,	0.0);	(438364.8,	3724527.0,	226.1,	269.0,	0.0);
(438371.0,	3724533.9,	226.5,	269.0,	0.0);	(438377.2,	3724540.9,	226.7,	269.0,	0.0);
(438383.4,	3724547.9,	226.8,	263.0,	0.0);	(438389.6,	3724554.8,	226.8,	263.0,	0.0);
(438395.8,	3724561.8,	226.7,	263.0,	0.0);	(438402.0,	3724568.7,	226.7,	263.0,	0.0);
(438408.2,	3724575.7,	226.9,	263.0,	0.0);	(438414.5,	3724582.7,	226.8,	262.0,	0.0);
(438420.7,	3724589.6,	226.6,	262.0,	0.0);	(438426.9,	3724596.6,	226.1,	262.0,	0.0);
(438433.1,	3724603.5,	225.8,	262.0,	0.0);	(438439.3,	3724610.5,	226.0,	262.0,	0.0);
(438445.5,	3724617.5,	226.1,	262.0,	0.0);	(438451.7,	3724624.4,	226.0,	262.0,	0.0);
(438296.5,	3724450.4,	222.2,	269.0,	0.0);	(438288.8,	3724445.1,	221.3,	269.0,	0.0);
(438281.0,	3724439.7,	220.3,	269.0,	0.0);	(438273.3,	3724434.4,	219.9,	269.0,	0.0);
(438325.4,	3724424.4,	228.2,	269.0,	0.0);	(438331.6,	3724431.4,	228.6,	269.0,	0.0);
(438337.8,	3724438.3,	229.0,	269.0,	0.0);	(438344.0,	3724445.3,	229.2,	269.0,	0.0);
(438350.2,	3724452.3,	229.4,	269.0,	0.0);	(438356.5,	3724459.2,	229.5,	269.0,	0.0);
(438362.7,	3724466.2,	229.6,	269.0,	0.0);	(438368.9,	3724473.2,	229.8,	269.0,	0.0);
(438375.1,	3724480.1,	230.0,	269.0,	0.0);	(438381.3,	3724487.1,	230.1,	269.0,	0.0);
(438387.5,	3724494.1,	230.3,	269.0,	0.0);	(438393.7,	3724501.0,	230.4,	269.0,	0.0);
(438399.9,	3724508.0,	230.6,	269.0,	0.0);	(438406.2,	3724515.0,	231.0,	263.0,	0.0);
(438412.4,	3724521.9,	231.2,	263.0,	0.0);	(438418.6,	3724528.9,	231.4,	263.0,	0.0);
(438424.8,	3724535.9,	231.5,	262.0,	0.0);	(438431.0,	3724542.8,	231.6,	262.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438437.2,	3724549.8,	232.0,	262.0,	0.0);	(438443.4,	3724556.8,	232.3,	262.0,	0.0);
(438449.6,	3724563.7,	232.4,	262.0,	0.0);	(438455.8,	3724570.7,	232.3,	262.0,	0.0);
(438462.1,	3724577.7,	232.2,	262.0,	0.0);	(438468.3,	3724584.6,	232.4,	262.0,	0.0);
(438474.5,	3724591.6,	232.7,	262.0,	0.0);	(438480.7,	3724598.6,	233.1,	262.0,	0.0);
(438486.9,	3724605.5,	233.6,	262.0,	0.0);	(438493.1,	3724612.5,	233.7,	262.0,	0.0);
(438319.2,	3724417.4,	227.8,	269.0,	0.0);	(438311.4,	3724412.1,	227.2,	269.0,	0.0);
(438303.7,	3724406.8,	226.4,	269.0,	0.0);	(438295.9,	3724401.4,	225.7,	269.0,	0.0);
(438288.2,	3724396.1,	225.1,	269.0,	0.0);	(438280.4,	3724390.8,	224.6,	269.0,	0.0);
(438272.7,	3724385.5,	224.0,	269.0,	0.0);	(438264.9,	3724380.1,	223.4,	269.0,	0.0);
(438257.1,	3724374.8,	222.9,	269.0,	0.0);	(438089.2,	3724598.6,	245.3,	249.0,	0.0);
(438112.5,	3724566.2,	241.2,	250.0,	0.0);	(438098.2,	3724555.9,	242.7,	250.0,	0.0);
(438083.9,	3724545.6,	246.1,	250.0,	0.0);	(438135.9,	3724533.7,	236.3,	255.0,	0.0);
(438121.6,	3724523.4,	237.6,	250.0,	0.0);	(438107.3,	3724513.1,	238.7,	250.0,	0.0);
(438159.2,	3724501.2,	231.1,	255.0,	0.0);	(438144.9,	3724490.9,	231.9,	255.0,	0.0);
(438130.6,	3724480.6,	232.4,	250.0,	0.0);	(438175.4,	3724463.6,	226.2,	269.0,	0.0);
(438161.1,	3724453.3,	226.6,	269.0,	0.0);	(438146.8,	3724443.0,	227.2,	269.0,	0.0);
(438198.7,	3724431.1,	219.7,	269.0,	0.0);	(438184.4,	3724420.8,	220.3,	269.0,	0.0);
(438170.1,	3724410.5,	221.2,	269.0,	0.0);	(438245.4,	3724366.1,	222.4,	269.0,	0.0);
(438231.1,	3724355.8,	221.6,	269.0,	0.0);	(438216.8,	3724345.5,	220.8,	269.0,	0.0);
(437513.6,	3724656.1,	194.8,	250.0,	0.0);	(437530.2,	3724649.3,	195.5,	250.0,	0.0);
(437546.7,	3724642.4,	197.6,	250.0,	0.0);	(437563.3,	3724635.6,	200.1,	250.0,	0.0);
(437647.6,	3724631.1,	227.4,	232.0,	0.0);	(437664.8,	3724636.1,	226.5,	232.0,	0.0);
(437456.8,	3724648.9,	193.6,	233.0,	0.0);	(437473.0,	3724642.2,	194.0,	250.0,	0.0);
(437489.3,	3724635.5,	194.0,	250.0,	0.0);	(437505.5,	3724628.8,	194.2,	250.0,	0.0);
(437521.8,	3724622.1,	194.7,	250.0,	0.0);	(437538.0,	3724615.4,	195.9,	250.0,	0.0);
(437554.3,	3724608.7,	197.5,	250.0,	0.0);	(437611.5,	3724591.0,	222.1,	232.0,	0.0);
(437628.4,	3724596.0,	226.5,	232.0,	0.0);	(437645.3,	3724600.9,	230.7,	232.0,	0.0);
(437662.1,	3724605.9,	229.5,	232.0,	0.0);	(437679.0,	3724610.8,	226.1,	232.0,	0.0);
(437695.9,	3724615.7,	224.9,	232.0,	0.0);	(437712.8,	3724620.7,	224.0,	232.0,	0.0);
(437388.9,	3724646.3,	191.3,	233.0,	0.0);	(437405.2,	3724639.6,	191.9,	233.0,	0.0);
(437421.6,	3724632.8,	192.4,	233.0,	0.0);	(437438.0,	3724626.1,	192.6,	233.0,	0.0);
(437454.3,	3724619.3,	192.9,	250.0,	0.0);	(437470.6,	3724612.6,	193.2,	250.0,	0.0);
(437487.0,	3724605.8,	193.6,	250.0,	0.0);	(437503.3,	3724599.1,	194.2,	250.0,	0.0);
(437519.7,	3724592.3,	195.3,	250.0,	0.0);	(437536.1,	3724585.6,	196.4,	250.0,	0.0);
(437585.1,	3724565.4,	220.5,	232.0,	0.0);	(437610.0,	3724561.1,	227.5,	232.0,	0.0);
(437626.9,	3724566.1,	228.0,	232.0,	0.0);	(437643.9,	3724571.0,	229.7,	231.0,	0.0);
(437660.9,	3724576.0,	228.4,	232.0,	0.0);	(437677.9,	3724581.0,	224.7,	232.0,	0.0);
(437694.8,	3724585.9,	222.8,	232.0,	0.0);	(437711.8,	3724590.9,	221.3,	232.0,	0.0);
(437728.8,	3724595.9,	219.9,	250.0,	0.0);	(437745.8,	3724600.8,	218.2,	250.0,	0.0);
(437762.7,	3724605.8,	216.7,	250.0,	0.0);	(437779.7,	3724610.8,	215.1,	250.0,	0.0);
(437796.7,	3724615.8,	213.1,	250.0,	0.0);	(437813.7,	3724620.7,	210.9,	255.0,	0.0);
(437362.2,	3724616.5,	190.4,	233.0,	0.0);	(437378.6,	3724609.8,	191.0,	233.0,	0.0);
(437394.9,	3724603.0,	191.4,	233.0,	0.0);	(437411.3,	3724596.3,	191.7,	233.0,	0.0);
(437427.6,	3724589.5,	191.8,	233.0,	0.0);	(437444.0,	3724582.8,	192.2,	250.0,	0.0);
(437460.3,	3724576.0,	192.7,	250.0,	0.0);	(437476.7,	3724569.3,	193.5,	250.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437493.0,	3724562.5,	194.6,	250.0,	0.0);	(437509.4,	3724555.8,	195.5,	250.0,	0.0);
(	437558.5,	3724535.5,	211.2,	233.0,	0.0);	(437574.8,	3724528.8,	222.1,	232.0,	0.0);
(	437591.2,	3724522.0,	231.0,	231.0,	0.0);	(437607.8,	3724521.1,	230.6,	230.6,	0.0);
(	437624.8,	3724526.1,	230.1,	230.1,	0.0);	(437641.8,	3724531.1,	228.4,	232.0,	0.0);
(	437658.8,	3724536.1,	226.0,	232.0,	0.0);	(437675.7,	3724541.0,	223.3,	232.0,	0.0);
(	437692.7,	3724546.0,	220.8,	232.0,	0.0);	(437709.7,	3724551.0,	218.3,	250.0,	0.0);
(	437726.7,	3724555.9,	217.9,	250.0,	0.0);	(437743.6,	3724560.9,	217.1,	250.0,	0.0);
(	437760.6,	3724565.9,	215.8,	250.0,	0.0);	(437777.6,	3724570.8,	215.2,	250.0,	0.0);
(	437794.6,	3724575.8,	215.2,	250.0,	0.0);	(437811.5,	3724580.8,	213.9,	250.0,	0.0);
(	437828.5,	3724585.8,	212.4,	255.0,	0.0);	(437335.6,	3724586.7,	189.7,	238.0,	0.0);
(	437351.9,	3724579.9,	190.0,	238.0,	0.0);	(437368.3,	3724573.2,	190.0,	238.0,	0.0);
(	437384.6,	3724566.4,	190.2,	238.0,	0.0);	(437401.0,	3724559.7,	190.7,	238.0,	0.0);
(	437417.3,	3724552.9,	191.5,	238.0,	0.0);	(437433.7,	3724546.2,	192.6,	245.0,	0.0);
(	437450.0,	3724539.5,	193.3,	250.0,	0.0);	(437466.4,	3724532.7,	193.5,	250.0,	0.0);
(	437482.7,	3724526.0,	194.2,	250.0,	0.0);	(437580.8,	3724485.5,	221.2,	232.0,	0.0);
(	437605.7,	3724481.2,	225.1,	232.0,	0.0);	(437622.7,	3724486.2,	225.8,	232.0,	0.0);
(	437639.6,	3724491.1,	225.2,	232.0,	0.0);	(437656.6,	3724496.1,	223.8,	232.0,	0.0);
(	437673.6,	3724501.1,	221.1,	232.0,	0.0);	(437690.6,	3724506.1,	218.5,	245.0,	0.0);
(	437707.5,	3724511.0,	216.0,	250.0,	0.0);	(437724.5,	3724516.0,	214.5,	250.0,	0.0);
(	437741.5,	3724521.0,	213.7,	250.0,	0.0);	(437758.5,	3724525.9,	213.9,	250.0,	0.0);
(	437775.5,	3724530.9,	213.7,	250.0,	0.0);	(437210.8,	3724597.4,	183.6,	238.0,	0.0);
(	437227.2,	3724590.6,	184.4,	238.0,	0.0);	(437243.5,	3724583.9,	185.7,	238.0,	0.0);
(	437259.9,	3724577.1,	187.0,	238.0,	0.0);	(437276.2,	3724570.4,	187.5,	238.0,	0.0);
(	437292.6,	3724563.6,	188.1,	238.0,	0.0);	(437308.9,	3724556.9,	188.2,	238.0,	0.0);
(	437325.3,	3724550.1,	188.3,	238.0,	0.0);	(437341.6,	3724543.4,	188.7,	238.0,	0.0);
(	437358.0,	3724536.6,	189.0,	238.0,	0.0);	(437374.3,	3724529.9,	189.3,	238.0,	0.0);
(	437390.7,	3724523.1,	189.6,	244.0,	0.0);	(437407.0,	3724516.4,	189.9,	245.0,	0.0);
(	437423.4,	3724509.6,	191.4,	250.0,	0.0);	(437439.7,	3724502.9,	193.4,	245.0,	0.0);
(	437570.5,	3724448.9,	222.0,	233.0,	0.0);	(437586.9,	3724442.2,	224.3,	231.0,	0.0);
(	437603.6,	3724441.3,	223.3,	231.0,	0.0);	(437620.5,	3724446.2,	221.9,	232.0,	0.0);
(	437637.5,	3724451.2,	220.7,	232.0,	0.0);	(437654.5,	3724456.2,	219.5,	232.0,	0.0);
(	437671.5,	3724461.1,	218.2,	244.0,	0.0);	(437688.4,	3724466.1,	216.4,	250.0,	0.0);
(	437705.4,	3724471.1,	214.1,	250.0,	0.0);	(437722.4,	3724476.1,	213.5,	250.0,	0.0);
(	437739.4,	3724481.0,	213.2,	250.0,	0.0);	(437841.2,	3724510.8,	221.1,	250.0,	0.0);
(	437858.2,	3724515.8,	221.9,	250.0,	0.0);	(437200.5,	3724560.8,	183.0,	238.0,	0.0);
(	437216.8,	3724554.0,	183.6,	238.0,	0.0);	(437233.2,	3724547.3,	184.2,	238.0,	0.0);
(	437249.5,	3724540.5,	185.3,	238.0,	0.0);	(437265.9,	3724533.8,	186.3,	238.0,	0.0);
(	437282.3,	3724527.0,	187.0,	238.0,	0.0);	(437298.6,	3724520.3,	187.4,	238.0,	0.0);
(	437315.0,	3724513.5,	187.8,	238.0,	0.0);	(437331.3,	3724506.8,	187.8,	238.0,	0.0);
(	437347.7,	3724500.1,	188.0,	238.0,	0.0);	(437364.0,	3724493.3,	188.1,	238.0,	0.0);
(	437380.4,	3724486.6,	188.0,	244.0,	0.0);	(437396.7,	3724479.8,	188.5,	250.0,	0.0);
(	437413.1,	3724473.1,	189.4,	250.0,	0.0);	(437511.2,	3724432.6,	223.0,	233.0,	0.0);
(	437527.5,	3724425.8,	226.8,	233.0,	0.0);	(437543.9,	3724419.1,	227.6,	231.0,	0.0);
(	437560.2,	3724412.3,	228.2,	231.0,	0.0);	(437576.6,	3724405.6,	226.9,	231.0,	0.0);
(	437601.4,	3724401.3,	223.5,	233.0,	0.0);	(437618.4,	3724406.3,	221.5,	233.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437635.4,	3724411.3,	219.9,	233.0,	0.0);	(437652.4,	3724416.2,	218.5,	233.0,	0.0);
(	437669.3,	3724421.2,	217.2,	244.0,	0.0);	(437686.3,	3724426.2,	215.6,	250.0,	0.0);
(	437703.3,	3724431.1,	214.3,	250.0,	0.0);	(437805.1,	3724461.0,	221.2,	250.0,	0.0);
(	437822.1,	3724465.9,	222.2,	250.0,	0.0);	(437839.1,	3724470.9,	223.1,	250.0,	0.0);
(	437856.1,	3724475.9,	224.1,	250.0,	0.0);	(437873.1,	3724480.8,	227.0,	250.0,	0.0);
(	437890.0,	3724485.8,	230.1,	250.0,	0.0);	(438042.8,	3724530.5,	247.2,	249.0,	0.0);
(	438059.8,	3724535.5,	247.9,	250.0,	0.0);	(437206.5,	3724517.5,	184.0,	238.0,	0.0);
(	437222.9,	3724510.7,	184.1,	238.0,	0.0);	(437239.2,	3724504.0,	184.9,	238.0,	0.0);
(	437255.6,	3724497.2,	185.8,	238.0,	0.0);	(437272.0,	3724490.5,	186.1,	238.0,	0.0);
(	437288.3,	3724483.7,	186.0,	238.0,	0.0);	(437304.6,	3724477.0,	186.5,	238.0,	0.0);
(	437321.0,	3724470.2,	187.0,	238.0,	0.0);	(437337.4,	3724463.5,	187.2,	238.0,	0.0);
(	437353.7,	3724456.7,	187.2,	241.0,	0.0);	(437370.1,	3724450.0,	187.8,	244.0,	0.0);
(	437386.4,	3724443.2,	188.1,	245.0,	0.0);	(437484.5,	3724402.8,	221.1,	233.0,	0.0);
(	437500.9,	3724396.0,	227.2,	233.0,	0.0);	(437517.2,	3724389.3,	229.7,	233.0,	0.0);
(	437533.6,	3724382.5,	231.7,	231.7,	0.0);	(437549.9,	3724375.8,	231.0,	231.0,	0.0);
(	437566.3,	3724369.0,	229.0,	233.0,	0.0);	(437582.6,	3724362.3,	226.1,	233.0,	0.0);
(	437599.3,	3724361.4,	223.7,	233.0,	0.0);	(437616.3,	3724366.3,	221.4,	233.0,	0.0);
(	437633.2,	3724371.3,	220.0,	233.0,	0.0);	(437650.2,	3724376.3,	218.7,	241.0,	0.0);
(	437667.2,	3724381.3,	218.2,	244.0,	0.0);	(437684.2,	3724386.2,	218.0,	245.0,	0.0);
(	437769.1,	3724411.1,	221.5,	250.0,	0.0);	(437786.0,	3724416.0,	222.6,	250.0,	0.0);
(	437803.0,	3724421.0,	223.6,	250.0,	0.0);	(437820.0,	3724426.0,	224.4,	250.0,	0.0);
(	437837.0,	3724431.0,	225.6,	250.0,	0.0);	(437854.0,	3724435.9,	227.1,	250.0,	0.0);
(	437870.9,	3724440.9,	229.7,	250.0,	0.0);	(437887.9,	3724445.9,	233.3,	250.0,	0.0);
(	437904.9,	3724450.8,	236.0,	250.0,	0.0);	(437921.9,	3724455.8,	238.6,	250.0,	0.0);
(	437989.8,	3724475.7,	244.9,	250.0,	0.0);	(438006.7,	3724480.6,	244.6,	250.0,	0.0);
(	438023.7,	3724485.6,	243.5,	250.0,	0.0);	(438040.7,	3724490.6,	243.0,	250.0,	0.0);
(	438057.7,	3724495.6,	243.2,	250.0,	0.0);	(438074.6,	3724500.5,	242.6,	250.0,	0.0);
(	438091.6,	3724505.5,	240.4,	250.0,	0.0);	(437196.2,	3724480.9,	183.9,	238.0,	0.0);
(	437212.6,	3724474.1,	184.4,	238.0,	0.0);	(437228.9,	3724467.4,	185.0,	238.0,	0.0);
(	437245.3,	3724460.7,	185.5,	238.0,	0.0);	(437261.6,	3724453.9,	186.0,	238.0,	0.0);
(	437278.0,	3724447.2,	186.0,	238.0,	0.0);	(437294.3,	3724440.4,	186.2,	238.0,	0.0);
(	437310.7,	3724433.7,	186.7,	238.0,	0.0);	(437327.0,	3724426.9,	187.2,	238.0,	0.0);
(	437343.4,	3724420.2,	187.8,	241.0,	0.0);	(437359.8,	3724413.4,	188.0,	242.0,	0.0);
(	437474.2,	3724366.2,	217.8,	233.0,	0.0);	(437490.6,	3724359.4,	226.0,	233.0,	0.0);
(	437506.9,	3724352.7,	230.9,	233.0,	0.0);	(437523.3,	3724345.9,	232.7,	232.7,	0.0);
(	437539.6,	3724339.2,	231.7,	233.0,	0.0);	(437556.0,	3724332.4,	229.5,	233.0,	0.0);
(	437572.3,	3724325.7,	227.2,	233.0,	0.0);	(437597.2,	3724321.4,	223.5,	233.0,	0.0);
(	437614.1,	3724326.4,	221.4,	233.0,	0.0);	(437631.1,	3724331.4,	219.8,	233.0,	0.0);
(	437648.1,	3724336.3,	218.2,	241.0,	0.0);	(437665.1,	3724341.3,	218.1,	242.0,	0.0);
(	437733.0,	3724361.2,	219.9,	245.0,	0.0);	(437750.0,	3724366.2,	221.0,	245.0,	0.0);
(	437766.9,	3724371.1,	222.6,	245.0,	0.0);	(437783.9,	3724376.1,	224.4,	245.0,	0.0);
(	437800.9,	3724381.1,	226.2,	245.0,	0.0);	(437817.9,	3724386.0,	228.5,	245.0,	0.0);
(	437834.8,	3724391.0,	230.6,	245.0,	0.0);	(437851.8,	3724396.0,	232.7,	245.0,	0.0);
(	437868.8,	3724400.9,	234.8,	245.0,	0.0);	(437885.8,	3724405.9,	237.0,	245.0,	0.0);
(	437902.8,	3724410.9,	239.4,	245.0,	0.0);	(437953.7,	3724425.8,	244.6,	245.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437970.7,	3724430.8,	243.1,	243.1,	0.0);	(	437987.6,	3724435.7,	241.7,	244.0,	0.0);
(	438004.6,	3724440.7,	240.5,	250.0,	0.0);	(	438021.6,	3724445.7,	239.6,	250.0,	0.0);
(	438038.6,	3724450.6,	238.6,	250.0,	0.0);	(	438055.5,	3724455.6,	237.9,	250.0,	0.0);
(	438072.5,	3724460.6,	237.3,	250.0,	0.0);	(	438089.5,	3724465.6,	236.1,	250.0,	0.0);
(	438106.5,	3724470.5,	234.5,	250.0,	0.0);	(	437185.9,	3724444.3,	183.7,	238.0,	0.0);
(	437202.3,	3724437.6,	184.1,	238.0,	0.0);	(	437218.6,	3724430.8,	184.6,	238.0,	0.0);
(	437235.0,	3724424.1,	185.1,	238.0,	0.0);	(	437251.3,	3724417.3,	185.4,	238.0,	0.0);
(	437267.7,	3724410.6,	185.6,	238.0,	0.0);	(	437284.0,	3724403.8,	185.9,	238.0,	0.0);
(	437300.4,	3724397.1,	186.4,	238.0,	0.0);	(	437316.7,	3724390.3,	187.1,	238.0,	0.0);
(	437333.1,	3724383.6,	187.9,	240.0,	0.0);	(	437480.3,	3724322.9,	229.1,	233.0,	0.0);
(	437496.6,	3724316.1,	231.8,	231.8,	0.0);	(	437513.0,	3724309.4,	232.1,	232.1,	0.0);
(	437529.3,	3724302.6,	231.9,	231.9,	0.0);	(	437545.7,	3724295.9,	229.9,	232.0,	0.0);
(	437562.0,	3724289.1,	227.5,	232.0,	0.0);	(	437578.4,	3724282.4,	224.8,	233.0,	0.0);
(	437595.0,	3724281.5,	222.5,	233.0,	0.0);	(	437612.0,	3724286.5,	220.4,	233.0,	0.0);
(	437629.0,	3724291.4,	219.0,	240.0,	0.0);	(	437713.9,	3724316.3,	219.4,	245.0,	0.0);
(	437730.8,	3724321.2,	220.8,	245.0,	0.0);	(	437747.8,	3724326.2,	222.4,	245.0,	0.0);
(	437764.8,	3724331.2,	224.5,	245.0,	0.0);	(	437781.8,	3724336.2,	227.0,	245.0,	0.0);
(	437798.8,	3724341.1,	229.4,	244.0,	0.0);	(	437815.7,	3724346.1,	232.2,	244.0,	0.0);
(	437832.7,	3724351.1,	235.0,	242.0,	0.0);	(	437849.7,	3724356.0,	237.1,	242.0,	0.0);
(	437866.7,	3724361.0,	239.0,	239.0,	0.0);	(	437883.6,	3724366.0,	240.4,	240.4,	0.0);
(	437934.6,	3724380.9,	243.5,	243.5,	0.0);	(	437951.5,	3724385.9,	243.7,	245.0,	0.0);
(	437968.5,	3724390.8,	241.4,	245.0,	0.0);	(	437985.5,	3724395.8,	239.2,	245.0,	0.0);
(	438002.5,	3724400.8,	237.3,	250.0,	0.0);	(	438019.5,	3724405.7,	235.5,	250.0,	0.0);
(	438036.4,	3724410.7,	234.3,	250.0,	0.0);	(	438053.4,	3724415.7,	233.7,	250.0,	0.0);
(	438070.4,	3724420.6,	233.2,	250.0,	0.0);	(	438087.4,	3724425.6,	232.2,	250.0,	0.0);
(	438104.3,	3724430.6,	231.0,	250.0,	0.0);	(	438121.3,	3724435.6,	229.6,	250.0,	0.0);
(	437159.3,	3724414.5,	183.4,	238.0,	0.0);	(	437175.6,	3724407.8,	184.0,	238.0,	0.0);
(	437192.0,	3724401.0,	184.0,	238.0,	0.0);	(	437208.3,	3724394.3,	184.0,	238.0,	0.0);
(	437224.7,	3724387.5,	184.0,	238.0,	0.0);	(	437241.0,	3724380.8,	184.4,	238.0,	0.0);
(	437257.4,	3724374.0,	184.9,	238.0,	0.0);	(	437273.7,	3724367.3,	185.9,	238.0,	0.0);
(	437290.1,	3724360.5,	187.2,	238.0,	0.0);	(	437306.4,	3724353.8,	188.0,	238.0,	0.0);
(	437486.3,	3724279.5,	227.8,	232.0,	0.0);	(	437502.7,	3724272.8,	231.5,	232.0,	0.0);
(	437519.0,	3724266.1,	230.5,	230.5,	0.0);	(	437535.4,	3724259.3,	229.1,	231.0,	0.0);
(	437551.7,	3724252.6,	226.5,	231.0,	0.0);	(	437568.1,	3724245.8,	224.2,	232.0,	0.0);
(	437592.9,	3724241.5,	221.7,	232.0,	0.0);	(	437609.9,	3724246.5,	220.0,	233.0,	0.0);
(	437745.7,	3724286.3,	223.5,	243.0,	0.0);	(	437762.7,	3724291.2,	225.6,	243.0,	0.0);
(	437779.6,	3724296.2,	228.5,	242.0,	0.0);	(	437796.6,	3724301.2,	231.7,	242.0,	0.0);
(	437813.6,	3724306.2,	234.8,	241.0,	0.0);	(	437830.6,	3724311.1,	237.8,	241.0,	0.0);
(	437847.6,	3724316.1,	239.3,	241.0,	0.0);	(	437864.5,	3724321.1,	240.8,	240.8,	0.0);
(	437898.5,	3724331.0,	241.6,	241.6,	0.0);	(	437915.5,	3724336.0,	241.1,	241.1,	0.0);
(	437932.4,	3724340.9,	240.5,	240.5,	0.0);	(	437949.4,	3724345.9,	240.0,	240.0,	0.0);
(	437966.4,	3724350.9,	238.0,	245.0,	0.0);	(	437983.4,	3724355.9,	236.2,	245.0,	0.0);
(	438000.3,	3724360.8,	234.7,	245.0,	0.0);	(	438017.3,	3724365.8,	232.9,	250.0,	0.0);
(	438034.3,	3724370.8,	231.0,	250.0,	0.0);	(	438051.3,	3724375.7,	229.6,	250.0,	0.0);
(	438068.3,	3724380.7,	228.6,	250.0,	0.0);	(	438085.2,	3724385.7,	227.9,	269.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438102.2,	3724390.6,	227.2,	269.0,	0.0);	(	438119.2,	3724395.6,	226.0,	269.0,	0.0);
(	438136.2,	3724400.6,	224.6,	269.0,	0.0);	(	438153.1,	3724405.5,	222.8,	269.0,	0.0);
(	437132.6,	3724384.7,	181.8,	238.0,	0.0);	(	437149.0,	3724377.9,	182.7,	238.0,	0.0);
(	437165.3,	3724371.2,	183.0,	238.0,	0.0);	(	437181.7,	3724364.4,	182.9,	238.0,	0.0);
(	437198.0,	3724357.7,	182.7,	238.0,	0.0);	(	437214.4,	3724350.9,	183.0,	238.0,	0.0);
(	437230.7,	3724344.2,	183.3,	238.0,	0.0);	(	437247.1,	3724337.5,	184.2,	238.0,	0.0);
(	437263.4,	3724330.7,	185.5,	238.0,	0.0);	(	437279.8,	3724324.0,	187.2,	238.0,	0.0);
(	437476.0,	3724243.0,	222.4,	238.0,	0.0);	(	437492.3,	3724236.2,	227.6,	232.0,	0.0);
(	437508.7,	3724229.5,	229.7,	232.0,	0.0);	(	437525.0,	3724222.7,	228.7,	232.0,	0.0);
(	437541.4,	3724216.0,	226.8,	232.0,	0.0);	(	437557.8,	3724209.2,	225.0,	238.0,	0.0);
(	437574.1,	3724202.5,	223.1,	238.0,	0.0);	(	437590.8,	3724201.6,	221.4,	238.0,	0.0);
(	437692.6,	3724231.4,	221.7,	241.0,	0.0);	(	437709.6,	3724236.4,	222.3,	242.0,	0.0);
(	437726.6,	3724241.4,	223.9,	242.0,	0.0);	(	437743.6,	3724246.3,	225.5,	242.0,	0.0);
(	437845.4,	3724276.1,	240.1,	240.1,	0.0);	(	437862.4,	3724281.1,	240.9,	240.9,	0.0);
(	437879.4,	3724286.1,	240.3,	240.3,	0.0);	(	437930.3,	3724301.0,	236.5,	242.0,	0.0);
(	437947.3,	3724306.0,	234.4,	245.0,	0.0);	(	437964.3,	3724310.9,	232.8,	245.0,	0.0);
(	437981.2,	3724315.9,	231.1,	245.0,	0.0);	(	437998.2,	3724320.9,	230.1,	250.0,	0.0);
(	438015.2,	3724325.8,	229.0,	250.0,	0.0);	(	438032.2,	3724330.8,	227.4,	250.0,	0.0);
(	438049.1,	3724335.8,	225.7,	269.0,	0.0);	(	438066.1,	3724340.8,	224.1,	269.0,	0.0);
(	438083.1,	3724345.7,	223.1,	269.0,	0.0);	(	438100.1,	3724350.7,	222.4,	269.0,	0.0);
(	438117.1,	3724355.7,	221.1,	269.0,	0.0);	(	438134.0,	3724360.6,	219.9,	269.0,	0.0);
(	438151.0,	3724365.6,	218.8,	269.0,	0.0);	(	438168.0,	3724370.6,	218.1,	269.0,	0.0);
(	437122.3,	3724348.1,	179.2,	238.0,	0.0);	(	437138.6,	3724341.4,	180.3,	238.0,	0.0);
(	437155.0,	3724334.6,	180.4,	238.0,	0.0);	(	437171.4,	3724327.9,	180.8,	238.0,	0.0);
(	437187.7,	3724321.1,	181.4,	238.0,	0.0);	(	437204.1,	3724314.4,	182.2,	238.0,	0.0);
(	437220.4,	3724307.6,	182.7,	238.0,	0.0);	(	437236.8,	3724300.9,	183.9,	238.0,	0.0);
(	437253.1,	3724294.1,	185.8,	238.0,	0.0);	(	437449.3,	3724213.2,	221.4,	238.0,	0.0);
(	437465.7,	3724206.4,	226.6,	238.0,	0.0);	(	437482.0,	3724199.7,	229.7,	238.0,	0.0);
(	437498.4,	3724192.9,	231.9,	231.9,	0.0);	(	437514.8,	3724186.2,	230.5,	238.0,	0.0);
(	437531.1,	3724179.4,	228.5,	238.0,	0.0);	(	437547.5,	3724172.7,	225.8,	238.0,	0.0);
(	437563.8,	3724165.9,	223.5,	238.0,	0.0);	(	437588.6,	3724161.7,	220.3,	238.0,	0.0);
(	437673.5,	3724186.5,	220.6,	241.0,	0.0);	(	437690.5,	3724191.5,	222.0,	241.0,	0.0);
(	437707.5,	3724196.4,	223.5,	241.0,	0.0);	(	437724.5,	3724201.4,	225.0,	241.0,	0.0);
(	437741.4,	3724206.4,	226.6,	241.0,	0.0);	(	437758.4,	3724211.4,	228.7,	241.0,	0.0);
(	437775.4,	3724216.3,	231.2,	241.0,	0.0);	(	437792.4,	3724221.3,	234.2,	240.0,	0.0);
(	437809.3,	3724226.3,	236.8,	240.0,	0.0);	(	437826.3,	3724231.2,	239.5,	239.5,	0.0);
(	437843.3,	3724236.2,	239.2,	239.2,	0.0);	(	437860.3,	3724241.2,	238.6,	238.6,	0.0);
(	437877.2,	3724246.1,	237.2,	241.0,	0.0);	(	437894.2,	3724251.1,	235.8,	242.0,	0.0);
(	437911.2,	3724256.1,	233.6,	242.0,	0.0);	(	437928.2,	3724261.1,	231.9,	243.0,	0.0);
(	437962.1,	3724271.0,	228.0,	245.0,	0.0);	(	437979.1,	3724276.0,	226.1,	245.0,	0.0);
(	437996.1,	3724280.9,	225.0,	269.0,	0.0);	(	438013.1,	3724285.9,	223.9,	269.0,	0.0);
(	438030.0,	3724290.9,	222.6,	269.0,	0.0);	(	438047.0,	3724295.8,	221.1,	269.0,	0.0);
(	438064.0,	3724300.8,	219.2,	269.0,	0.0);	(	438081.0,	3724305.8,	217.5,	269.0,	0.0);
(	438098.0,	3724310.8,	216.0,	269.0,	0.0);	(	438114.9,	3724315.7,	215.8,	269.0,	0.0);
(	438199.8,	3724340.6,	219.7,	269.0,	0.0);	(	436933.7,	3724549.6,	197.1,	214.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436926.3,	3724556.2,	197.1,	214.0,	0.0);	(436919.0,	3724562.8,	197.0,	218.0,	0.0);
(436921.6,	3724506.6,	203.3,	214.0,	0.0);	(436914.2,	3724513.3,	206.1,	214.0,	0.0);
(436906.9,	3724519.9,	207.2,	214.0,	0.0);	(436899.5,	3724526.5,	207.7,	214.0,	0.0);
(436892.2,	3724533.1,	208.1,	214.0,	0.0);	(436894.8,	3724476.9,	199.4,	214.0,	0.0);
(436887.4,	3724483.6,	200.7,	214.0,	0.0);	(436880.1,	3724490.2,	202.6,	214.0,	0.0);
(436872.7,	3724496.8,	205.3,	214.0,	0.0);	(436865.4,	3724503.4,	208.3,	214.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC Met Version: 16216
Profile file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93184 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	1.30	54.	9.1	999.0	-9.0
11	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	190.	9.1	999.0	-9.0
11	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	133.	9.1	999.0	-9.0
11	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	151.	9.1	999.0	-9.0
11	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	42.	9.1	999.0	-9.0
11	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.53	0.90	28.	9.1	999.0	-9.0
11	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.31	0.90	95.	9.1	999.0	-9.0
11	01	01	1	10	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.24	0.90	211.	9.1	999.0	-9.0
11	01	01	1	11	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	258.	9.1	999.0	-9.0
11	01	01	1	12	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	268.	9.1	999.0	-9.0
11	01	01	1	13	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	220.	9.1	999.0	-9.0
11	01	01	1	14	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	247.	9.1	999.0	-9.0
11	01	01	1	15	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.25	1.30	249.	9.1	999.0	-9.0
11	01	01	1	16	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.33	2.20	209.	9.1	999.0	-9.0
11	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.61	1.30	196.	9.1	999.0	-9.0
11	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	132.	9.1	999.0	-9.0
11	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	91.	9.1	999.0	-9.0
11	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	67.	9.1	999.0	-9.0
11	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	72.	9.1	999.0	-9.0
11	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	65.	9.1	999.0	-9.0
11	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	61.	9.1	999.0	-9.0
11	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	41.	9.1	999.0	-9.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	-999.0	99.0	-99.00	-99.00
11	01	01	01	9.1	1	54.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437235.35	3725540.60	0.06428	437200.39	3725546.56	0.05335
437206.71	3725553.60	0.05466	437213.03	3725560.64	0.05592
437174.93	3725557.74	0.04706	437171.80	3725548.87	0.04669
437149.56	3725569.14	0.04165	437146.47	3725560.39	0.04137
437143.38	3725551.64	0.04103	437155.74	3725586.65	0.04206
437162.06	3725593.69	0.04301	437168.38	3725600.73	0.04395
437130.29	3725597.84	0.03733	437120.92	3725571.31	0.03678
437117.80	3725562.47	0.03655	437114.68	3725553.62	0.03633
437133.42	3725606.69	0.03754	437139.74	3725613.73	0.03826
437146.06	3725620.77	0.03904	437108.01	3725617.99	0.03390
437104.92	3725609.25	0.03371	437101.83	3725600.51	0.03352
437092.58	3725574.29	0.03294	437089.49	3725565.55	0.03274
437086.40	3725556.81	0.03259	437085.65	3725637.94	0.03094
437082.54	3725629.12	0.03080	437079.42	3725620.30	0.03064
437076.30	3725611.47	0.03048	437073.19	3725602.65	0.03032
437063.84	3725576.18	0.02988	437060.72	3725567.35	0.02974
437057.61	3725558.53	0.02961	437101.41	3725660.85	0.03215
437055.87	3725664.62	0.02761	437052.74	3725655.75	0.02755
437043.34	3725629.14	0.02721	437040.21	3725620.27	0.02708
437037.08	3725611.40	0.02694	437033.95	3725602.54	0.02681
437024.55	3725575.93	0.02641	437021.42	3725567.06	0.02627
437059.00	3725673.49	0.02766	437026.09	3725691.30	0.02490
437022.95	3725682.39	0.02480	437019.80	3725673.48	0.02471
437016.65	3725664.57	0.02463	437013.51	3725655.66	0.02455
437004.07	3725628.93	0.02423	437000.92	3725620.02	0.02412
436997.78	3725611.12	0.02400	436994.63	3725602.21	0.02388
436991.48	3725593.30	0.02375	436988.34	3725584.39	0.02362
436985.19	3725575.48	0.02350	436982.04	3725566.57	0.02337
437029.24	3725700.21	0.02501	437035.56	3725707.25	0.02532
437041.88	3725714.29	0.02562	436993.26	3725709.34	0.02285
436990.16	3725700.55	0.02277	436987.05	3725691.76	0.02270
436983.95	3725682.96	0.02261	436980.84	3725674.17	0.02252
436977.73	3725665.37	0.02243	436974.63	3725656.58	0.02235
436971.52	3725647.79	0.02222	436962.21	3725621.40	0.02179
436959.10	3725612.61	0.02168	436956.00	3725603.82	0.02155
436952.89	3725595.02	0.02141	436949.78	3725586.23	0.02127
436946.68	3725577.43	0.02114	436943.57	3725568.64	0.02101
437004.81	3724812.38	0.02002	437008.83	3724803.96	0.01983
437012.84	3724795.54	0.01967	437016.85	3724787.13	0.01954
436954.11	3725709.49	0.02098	436950.99	3725700.65	0.02091

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436947.87	3725691.82	0.02085	436944.75	3725682.99	0.02078
436941.63	3725674.15	0.02066	436938.51	3725665.32	0.02053
436935.39	3725656.49	0.02037	436932.27	3725647.65	0.02019
436929.15	3725638.82	0.02001	436919.80	3725612.32	0.01952
436916.68	3725603.48	0.01938	436913.56	3725594.65	0.01925
436910.44	3725585.82	0.01914	436907.32	3725576.98	0.01902
436889.14	3724969.19	0.01765	436893.17	3724960.73	0.01773
436897.20	3724952.27	0.01778	436901.23	3724943.82	0.01783
436905.26	3724935.36	0.01789	436909.29	3724926.90	0.01802
436913.32	3724918.45	0.01814	436917.35	3724909.99	0.01825
436921.38	3724901.53	0.01833	436925.41	3724893.08	0.01837
436929.44	3724884.62	0.01840	436933.47	3724876.16	0.01852
436937.50	3724867.70	0.01867	436941.53	3724859.25	0.01881
436945.56	3724850.79	0.01893	436949.59	3724842.33	0.01897
436953.62	3724833.88	0.01890	436957.65	3724825.42	0.01879
436961.68	3724816.96	0.01864	436965.71	3724808.51	0.01848
436969.74	3724800.05	0.01831	436973.77	3724791.59	0.01812
436977.80	3724783.14	0.01796	436981.83	3724774.68	0.01787
436985.86	3724766.22	0.01777	436976.03	3725760.69	0.02152
436982.35	3725767.73	0.02175	436936.81	3725771.50	0.01978
436933.68	3725762.64	0.01971	436930.55	3725753.77	0.01964
436911.75	3725700.55	0.01941	436908.62	3725691.68	0.01940
436905.49	3725682.81	0.01931	436902.36	3725673.94	0.01909
436899.23	3725665.07	0.01887	436883.56	3725620.73	0.01787
436880.43	3725611.86	0.01776	436877.30	3725602.99	0.01765
436874.17	3725594.12	0.01755	436871.04	3725585.25	0.01743
436867.90	3725576.38	0.01732	436833.47	3725000.09	0.01606
436837.52	3724991.60	0.01618	436841.56	3724983.11	0.01631
436845.61	3724974.62	0.01643	436849.65	3724966.12	0.01654
436853.70	3724957.63	0.01664	436857.75	3724949.14	0.01675
436861.79	3724940.65	0.01685	436865.84	3724932.16	0.01695
436869.89	3724923.67	0.01702	436873.93	3724915.18	0.01707
436877.98	3724906.69	0.01714	436882.03	3724898.20	0.01721
436886.07	3724889.70	0.01728	436890.12	3724881.21	0.01733
436894.16	3724872.72	0.01738	436898.21	3724864.23	0.01743
436902.26	3724855.74	0.01749	436906.30	3724847.25	0.01754
436910.35	3724838.76	0.01755	436914.40	3724830.27	0.01752
436918.44	3724821.78	0.01747	436922.49	3724813.28	0.01742
436926.54	3724804.79	0.01738	436930.58	3724796.30	0.01734
436934.63	3724787.81	0.01728	436938.67	3724779.32	0.01723

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436942.72	3724770.83	0.01717	436946.77	3724762.34	0.01710
436950.81	3724753.85	0.01702	436954.86	3724745.36	0.01697
436958.91	3724736.86	0.01692	436962.95	3724728.37	0.01690
436939.94	3725780.37	0.01985	436946.26	3725787.41	0.02008
436952.58	3725794.45	0.02031	436907.03	3725798.19	0.01855
436903.89	3725789.29	0.01853	436900.75	3725780.39	0.01852
436897.60	3725771.49	0.01847	436894.46	3725762.59	0.01839
436872.45	3725700.27	0.01795	436869.31	3725691.37	0.01784
436866.17	3725682.47	0.01768	436863.02	3725673.57	0.01749
436859.88	3725664.67	0.01730	436856.74	3725655.76	0.01713
436853.59	3725646.86	0.01692	436850.45	3725637.96	0.01672
436847.31	3725629.06	0.01653	436844.16	3725620.16	0.01641
436841.02	3725611.26	0.01632	436837.87	3725602.35	0.01623
436834.73	3725593.45	0.01613	436831.59	3725584.55	0.01603
436828.44	3725575.65	0.01592	436773.58	3725039.85	0.01450
436777.64	3725031.33	0.01463	436781.70	3725022.80	0.01475
436785.76	3725014.28	0.01488	436789.82	3725005.76	0.01501
436793.88	3724997.24	0.01514	436797.94	3724988.71	0.01527
436802.00	3724980.19	0.01540	436806.07	3724971.67	0.01553
436810.13	3724963.15	0.01565	436814.19	3724954.62	0.01575
436818.25	3724946.10	0.01585	436822.31	3724937.58	0.01595
436826.37	3724929.06	0.01604	436830.43	3724920.54	0.01614
436834.49	3724912.01	0.01622	436838.56	3724903.49	0.01631
436842.62	3724894.97	0.01641	436846.68	3724886.45	0.01650
436850.74	3724877.92	0.01659	436854.80	3724869.40	0.01663
436858.86	3724860.88	0.01665	436862.92	3724852.36	0.01666
436866.98	3724843.83	0.01666	436871.05	3724835.31	0.01666
436875.11	3724826.79	0.01665	436879.17	3724818.27	0.01664
436883.23	3724809.74	0.01662	436887.29	3724801.22	0.01659
436891.35	3724792.70	0.01656	436895.41	3724784.18	0.01651
436899.47	3724775.66	0.01647	436903.54	3724767.13	0.01641
436907.60	3724758.61	0.01635	436911.66	3724750.09	0.01628
436915.72	3724741.57	0.01620	436919.78	3724733.04	0.01612
436923.84	3724724.52	0.01603	436927.90	3724716.00	0.01593
436931.96	3724707.48	0.01583	436936.02	3724698.95	0.01572
436940.09	3724690.43	0.01560	436910.18	3725807.10	0.01859
436916.50	3725814.14	0.01875	436922.82	3725821.18	0.01893
436877.30	3725825.01	0.01718	436874.19	3725816.20	0.01714
436871.08	3725807.39	0.01710	436867.97	3725798.59	0.01706
436864.86	3725789.78	0.01703	436861.75	3725780.97	0.01699

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436858.64	3725772.16	0.01696	436855.53	3725763.36	0.01696
436852.42	3725754.55	0.01695	436836.87	3725710.51	0.01669
436833.76	3725701.70	0.01656	436830.65	3725692.89	0.01644
436827.54	3725684.09	0.01633	436824.43	3725675.28	0.01620
436821.32	3725666.47	0.01606	436818.21	3725657.66	0.01593
436815.09	3725648.86	0.01577	436811.98	3725640.05	0.01562
436808.87	3725631.24	0.01547	436716.74	3725073.19	0.01332
436720.76	3725064.75	0.01344	436724.78	3725056.32	0.01353
436728.80	3725047.89	0.01364	436732.81	3725039.46	0.01374
436736.83	3725031.03	0.01384	436740.85	3725022.59	0.01394
436744.87	3725014.16	0.01404	436748.89	3725005.73	0.01415
436752.91	3724997.30	0.01427	436756.92	3724988.87	0.01439
436760.94	3724980.43	0.01451	436764.96	3724972.00	0.01464
436768.98	3724963.57	0.01476	436773.00	3724955.14	0.01487
436777.02	3724946.70	0.01499	436781.03	3724938.27	0.01511
436785.05	3724929.84	0.01521	436789.07	3724921.41	0.01527
436793.09	3724912.98	0.01533	436797.11	3724904.54	0.01538
436801.12	3724896.11	0.01542	436805.14	3724887.68	0.01547
436809.16	3724879.25	0.01550	436813.18	3724870.81	0.01554
436817.20	3724862.38	0.01556	436821.22	3724853.95	0.01558
436825.23	3724845.52	0.01560	436829.25	3724837.09	0.01561
436833.27	3724828.65	0.01562	436837.29	3724820.22	0.01562
436841.31	3724811.79	0.01561	436845.33	3724803.36	0.01560
436849.34	3724794.93	0.01558	436853.36	3724786.49	0.01556
436857.38	3724778.06	0.01553	436861.40	3724769.63	0.01550
436865.42	3724761.20	0.01546	436869.44	3724752.76	0.01541
436873.45	3724744.33	0.01536	436877.47	3724735.90	0.01531
436881.49	3724727.47	0.01524	436885.51	3724719.04	0.01518
436889.53	3724710.60	0.01510	436893.54	3724702.17	0.01502
436897.56	3724693.74	0.01494	436901.58	3724685.31	0.01484
436905.60	3724676.87	0.01475	436909.62	3724668.44	0.01464
436913.64	3724660.01	0.01454	436917.65	3724651.58	0.01442
436921.67	3724643.15	0.01431	436925.69	3724634.71	0.01418
436929.71	3724626.28	0.01405	436933.73	3724617.85	0.01392
436937.75	3724609.42	0.01378	436941.76	3724600.99	0.01364
436880.41	3725833.82	0.01722	436886.73	3725840.86	0.01741
436893.05	3725847.90	0.01761	436847.52	3725851.70	0.01613
436844.40	3725842.86	0.01606	436841.28	3725834.02	0.01600
436838.16	3725825.18	0.01595	436835.04	3725816.34	0.01590
436831.92	3725807.50	0.01585	436828.79	3725798.66	0.01580

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436825.67	3725789.82	0.01574	436822.55	3725780.98	0.01569
436819.43	3725772.14	0.01565	436816.31	3725763.30	0.01563
436791.34	3725692.58	0.01536	436788.21	3725683.75	0.01530
436672.98	3725079.09	0.01219	436677.02	3725070.62	0.01230
436681.05	3725062.16	0.01242	436685.08	3725053.70	0.01255
436689.11	3725045.23	0.01270	436693.15	3725036.77	0.01284
436697.18	3725028.31	0.01298	436701.21	3725019.85	0.01311
436705.25	3725011.38	0.01323	436709.28	3725002.92	0.01334
436713.31	3724994.46	0.01345	436717.34	3724985.99	0.01358
436721.38	3724977.53	0.01370	436725.41	3724969.07	0.01382
436729.44	3724960.61	0.01392	436733.48	3724952.14	0.01403
436737.51	3724943.68	0.01412	436741.54	3724935.22	0.01418
436745.57	3724926.76	0.01424	436749.61	3724918.29	0.01430
436753.64	3724909.83	0.01435	436757.67	3724901.37	0.01440
436761.71	3724892.90	0.01445	436765.74	3724884.44	0.01449
436769.77	3724875.98	0.01453	436773.80	3724867.52	0.01457
436777.84	3724859.05	0.01460	436781.87	3724850.59	0.01463
436785.90	3724842.13	0.01465	436789.94	3724833.66	0.01467
436793.97	3724825.20	0.01468	436798.00	3724816.74	0.01468
436802.03	3724808.28	0.01469	436806.07	3724799.81	0.01468
436810.10	3724791.35	0.01468	436814.13	3724782.89	0.01467
436818.17	3724774.42	0.01465	436822.20	3724765.96	0.01463
436826.23	3724757.50	0.01461	436830.27	3724749.04	0.01458
436834.30	3724740.57	0.01454	436838.33	3724732.11	0.01450
436842.36	3724723.65	0.01445	436846.40	3724715.18	0.01440
436850.43	3724706.72	0.01435	436854.46	3724698.26	0.01429
436858.50	3724689.80	0.01422	436862.53	3724681.33	0.01415
436866.56	3724672.87	0.01407	436870.59	3724664.41	0.01399
436874.63	3724655.94	0.01391	436878.66	3724647.48	0.01382
436882.69	3724639.02	0.01373	436886.73	3724630.56	0.01363
436890.76	3724622.09	0.01353	436894.79	3724613.63	0.01342
436898.82	3724605.17	0.01331	436902.86	3724596.70	0.01321
436906.89	3724588.24	0.01310	436910.92	3724579.78	0.01298
436914.96	3724571.32	0.01286	436850.65	3725860.54	0.01620
436856.97	3725867.58	0.01637	436863.29	3725874.62	0.01657
436817.75	3725878.39	0.01527	436814.62	3725869.52	0.01520
436811.48	3725860.65	0.01512	436808.35	3725851.78	0.01505
436805.22	3725842.91	0.01498	436802.09	3725834.04	0.01491
436798.96	3725825.17	0.01486	436795.82	3725816.31	0.01481
436792.69	3725807.44	0.01476	436789.56	3725798.57	0.01472

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436786.43	3725789.70	0.01468	436783.30	3725780.83	0.01464
436657.51	3725025.64	0.01197	436661.55	3725017.15	0.01210
436665.60	3725008.66	0.01223	436669.64	3725000.17	0.01237
436673.69	3724991.67	0.01249	436677.74	3724983.18	0.01259
436681.78	3724974.69	0.01269	436685.83	3724966.20	0.01280
436689.88	3724957.71	0.01289	436693.92	3724949.22	0.01297
436697.97	3724940.73	0.01305	436702.02	3724932.24	0.01313
436706.06	3724923.75	0.01323	436710.11	3724915.25	0.01333
436714.15	3724906.76	0.01343	436718.20	3724898.27	0.01353
436722.25	3724889.78	0.01360	436726.29	3724881.29	0.01365
436730.34	3724872.80	0.01369	436734.39	3724864.31	0.01372
436738.43	3724855.82	0.01376	436742.48	3724847.33	0.01379
436746.53	3724838.83	0.01381	436750.57	3724830.34	0.01383
436754.62	3724821.85	0.01385	436758.66	3724813.36	0.01386
436762.71	3724804.87	0.01387	436766.76	3724796.38	0.01388
436770.80	3724787.89	0.01388	436774.85	3724779.40	0.01388
436778.90	3724770.91	0.01387	436782.94	3724762.41	0.01386
436786.99	3724753.92	0.01384	436791.04	3724745.43	0.01382
436795.08	3724736.94	0.01380	436799.13	3724728.45	0.01377
436803.17	3724719.96	0.01374	436807.22	3724711.47	0.01370
436811.27	3724702.98	0.01366	436815.31	3724694.48	0.01362
436819.36	3724685.99	0.01357	436823.41	3724677.50	0.01352
436827.45	3724669.01	0.01346	436831.50	3724660.52	0.01340
436835.55	3724652.03	0.01333	436839.59	3724643.54	0.01326
436843.64	3724635.05	0.01319	436847.68	3724626.56	0.01311
436851.73	3724618.06	0.01303	436855.78	3724609.57	0.01294
436859.82	3724601.08	0.01285	436863.87	3724592.59	0.01276
436867.92	3724584.10	0.01267	436871.96	3724575.61	0.01258
436876.01	3724567.12	0.01249	436880.05	3724558.63	0.01239
436884.10	3724550.14	0.01229	436888.15	3724541.64	0.01218
436820.88	3725887.26	0.01535	436827.20	3725894.30	0.01552
436833.52	3725901.34	0.01570	436787.97	3725905.08	0.01452
436784.83	3725896.19	0.01445	436781.69	3725887.29	0.01438
436778.55	3725878.39	0.01432	436775.41	3725869.50	0.01426
436772.27	3725860.60	0.01420	436769.12	3725851.70	0.01413
436765.98	3725842.81	0.01406	436762.84	3725833.91	0.01399
436759.70	3725825.01	0.01394	436756.56	3725816.12	0.01390
436753.41	3725807.22	0.01385	436750.27	3725798.32	0.01382
436747.13	3725789.43	0.01379	436650.28	3724954.87	0.01200
436654.34	3724946.36	0.01208	436658.40	3724937.84	0.01214

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436662.46	3724929.32	0.01221	436666.52	3724920.80	0.01229
436670.58	3724912.29	0.01236	436674.63	3724903.77	0.01243
436678.69	3724895.25	0.01249	436682.75	3724886.73	0.01255
436686.81	3724878.22	0.01261	436690.87	3724869.70	0.01266
436694.93	3724861.18	0.01273	436698.99	3724852.66	0.01279
436703.05	3724844.15	0.01286	436707.11	3724835.63	0.01294
436711.16	3724827.11	0.01300	436715.22	3724818.60	0.01306
436719.28	3724810.08	0.01313	436723.34	3724801.56	0.01315
436727.40	3724793.04	0.01316	436731.46	3724784.53	0.01316
436735.52	3724776.01	0.01317	436739.58	3724767.49	0.01317
436743.63	3724758.97	0.01317	436747.69	3724750.46	0.01316
436751.75	3724741.94	0.01315	436755.81	3724733.42	0.01313
436759.87	3724724.90	0.01311	436763.93	3724716.39	0.01309
436767.99	3724707.87	0.01306	436772.05	3724699.35	0.01303
436776.11	3724690.84	0.01300	436780.16	3724682.32	0.01296
436784.22	3724673.80	0.01292	436788.28	3724665.28	0.01288
436792.34	3724656.77	0.01284	436796.40	3724648.25	0.01279
436800.46	3724639.73	0.01273	436804.52	3724631.21	0.01268
436808.58	3724622.70	0.01261	436812.64	3724614.18	0.01254
436816.69	3724605.66	0.01247	436820.75	3724597.14	0.01240
436824.81	3724588.63	0.01232	436828.87	3724580.11	0.01224
436832.93	3724571.59	0.01216	436836.99	3724563.07	0.01209
436841.05	3724554.56	0.01201	436845.11	3724546.04	0.01193
436849.16	3724537.52	0.01178	436853.22	3724529.01	0.01163
436857.28	3724520.49	0.01149	436861.34	3724511.97	0.01141
436791.12	3725913.98	0.01460	436797.44	3725921.02	0.01476
436803.76	3725928.06	0.01491	437276.64	3725541.49	0.07924
437288.46	3725554.53	0.08211	437300.27	3725567.56	0.08567
437242.60	3725548.61	0.06601	437254.42	3725561.64	0.06905
437244.00	3725594.82	0.06258	437255.81	3725607.85	0.06552
437198.15	3725588.90	0.05098	437209.96	3725601.93	0.05305
437221.77	3725614.97	0.05528	437233.58	3725628.00	0.05773
437175.92	3725609.05	0.04501	437199.54	3725635.11	0.04885
437153.69	3725629.20	0.04001	437165.50	3725642.23	0.04168
437131.46	3725649.34	0.03619	437143.28	3725662.38	0.03753
437155.09	3725675.41	0.03896	437166.90	3725688.44	0.04048
437079.60	3725696.35	0.02890	437091.41	3725709.39	0.02979
437103.22	3725722.42	0.03074	437049.96	3725723.22	0.02597
437032.13	3725763.11	0.02427	436990.68	3725776.94	0.02205
437002.50	3725789.98	0.02247	437014.31	3725803.01	0.02288

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437026.12	3725816.04	0.02338	436961.05	3725803.81	0.02063
436972.86	3725816.84	0.02099	436984.67	3725829.87	0.02134
436996.48	3725842.90	0.02174	436931.41	3725830.67	0.01919
436943.22	3725843.70	0.01957	436955.03	3725856.73	0.01999
436966.85	3725869.77	0.02042	436901.77	3725857.53	0.01791
436913.58	3725870.57	0.01835	436925.40	3725883.60	0.01882
436937.21	3725896.63	0.01927	436872.14	3725884.40	0.01688
436883.95	3725897.43	0.01731	436895.76	3725910.46	0.01776
436907.57	3725923.49	0.01822	436842.50	3725911.26	0.01596
436854.31	3725924.29	0.01634	436866.12	3725937.32	0.01677
436877.94	3725950.36	0.01719	436812.86	3725938.12	0.01516
436824.67	3725951.15	0.01553	436836.49	3725964.19	0.01592
436848.30	3725977.22	0.01631	436967.74	3725574.40	0.02243
436930.83	3725589.82	0.02012	436893.93	3725605.25	0.01836
436857.02	3725620.68	0.01685	436820.12	3725636.10	0.01580
436730.34	3725021.93	0.01376	436692.61	3725008.65	0.01293
436654.87	3724995.37	0.01204	437486.31	3725583.06	0.25713
437493.69	3725589.34	0.26448	437501.08	3725595.62	0.27142
437508.47	3725601.90	0.27851	437436.41	3725566.90	0.18437
437443.80	3725573.18	0.19108	437451.19	3725579.46	0.19815
437458.58	3725585.74	0.20525	437465.96	3725592.02	0.21238
437473.35	3725598.30	0.21894	437480.74	3725604.58	0.22489
437488.13	3725610.86	0.23091	437495.52	3725617.14	0.23696
437396.27	3725555.39	0.14418	437401.29	3725563.30	0.14596
437408.68	3725569.58	0.15023	437423.46	3725582.14	0.16025
437430.84	3725588.42	0.16548	437438.23	3725594.70	0.17087
437445.62	3725600.98	0.17624	437453.01	3725607.26	0.18165
437460.40	3725613.54	0.18715	437467.79	3725619.82	0.19278
437475.18	3725626.10	0.19798	437482.57	3725632.38	0.20291
437376.87	3725578.29	0.12214	437371.87	3725570.41	0.12098
437366.88	3725562.54	0.11971	437361.89	3725554.67	0.11828
437381.86	3725586.16	0.12332	437389.25	3725592.44	0.12651
437396.64	3725598.72	0.12950	437404.03	3725605.00	0.13246
437455.75	3725648.96	0.15990	437463.14	3725655.24	0.16376
437357.46	3725601.18	0.10597	437352.49	3725593.34	0.10517
437362.43	3725609.02	0.10660	437369.82	3725615.30	0.10862
437377.21	3725621.58	0.11051	437384.60	3725627.86	0.11281
437391.99	3725634.14	0.11552	437399.38	3725640.42	0.11814
437421.54	3725659.26	0.12689	437428.93	3725665.54	0.13015
437436.32	3725671.82	0.13323	437443.71	3725678.10	0.13620

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437296.53	3725558.60	0.08504	437286.20	3725542.31	0.08282
437343.00	3725631.88	0.09416	437350.39	3725638.16	0.09596
437357.78	3725644.44	0.09769	437365.17	3725650.72	0.09936
437372.56	3725657.00	0.10098	437379.95	3725663.28	0.10267
437387.34	3725669.56	0.10487	437409.51	3725688.40	0.11128
437416.90	3725694.68	0.11368	437424.28	3725700.96	0.11604
437303.04	3725622.36	0.08086	437297.91	3725614.27	0.07976
437292.78	3725606.17	0.07863	437287.64	3725598.08	0.07743
437267.11	3725565.70	0.07307	437256.85	3725549.52	0.07129
437251.71	3725541.42	0.07016	437338.35	3725667.30	0.08773
437345.74	3725673.58	0.08920	437353.13	3725679.86	0.09060
437360.52	3725686.14	0.09189	437367.91	3725692.42	0.09332
437375.30	3725698.70	0.09485	437382.69	3725704.98	0.09651
437283.72	3725645.39	0.07164	437278.61	3725637.33	0.07064
437273.51	3725629.28	0.06966	437268.40	3725621.23	0.06865
437263.29	3725613.18	0.06759	437253.08	3725597.07	0.06531
437232.65	3725564.86	0.06109	437227.55	3725556.81	0.06023
437222.44	3725548.75	0.05937	437217.33	3725540.70	0.05843
437333.70	3725702.72	0.08150	437370.65	3725734.12	0.08805
437378.04	3725740.40	0.08941	437279.64	3725692.44	0.06553
437274.55	3725684.42	0.06476	437269.47	3725676.41	0.06403
437249.13	3725644.34	0.06079	437244.05	3725636.32	0.05998
437223.71	3725604.25	0.05632	437218.63	3725596.24	0.05544
437213.54	3725588.22	0.05460	437198.29	3725564.17	0.05209
437193.21	3725556.15	0.05120	437188.12	3725548.13	0.05030
437284.72	3725700.46	0.06632	437292.11	3725706.74	0.06800
437299.50	3725713.02	0.06966	437336.44	3725744.42	0.07678
437343.83	3725750.70	0.07790	437351.22	3725756.98	0.07903
437358.61	3725763.26	0.08010	437366.00	3725769.54	0.08119
437260.23	3725715.33	0.05813	437255.16	3725707.35	0.05748
437250.10	3725699.36	0.05681	437245.03	3725691.37	0.05611
437239.97	3725683.39	0.05540	437234.91	3725675.40	0.05468
437229.84	3725667.42	0.05395	437209.58	3725635.47	0.05110
437204.52	3725627.49	0.05039	437199.46	3725619.50	0.04968
437194.39	3725611.52	0.04891	437164.01	3725563.60	0.04463
437158.94	3725555.62	0.04384	437153.88	3725547.63	0.04307
437265.29	3725723.32	0.05878	437294.85	3725748.44	0.06467
437324.40	3725773.56	0.06934	437331.79	3725779.84	0.07033
437339.18	3725786.12	0.07130	437346.57	3725792.40	0.07225
437225.68	3725714.34	0.05015	437220.63	3725706.39	0.04955

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437215.58	3725698.43	0.04894	437210.54	3725690.47	0.04832
437205.49	3725682.51	0.04769	437200.44	3725674.55	0.04705
437175.21	3725634.76	0.04368	437170.16	3725626.80	0.04291
437165.12	3725618.85	0.04238	437160.07	3725610.89	0.04183
437155.02	3725602.93	0.04125	437149.97	3725594.97	0.04063
437134.83	3725571.10	0.03900	437129.79	3725563.14	0.03843
437124.74	3725555.18	0.03782	437245.86	3725746.18	0.05252
437253.25	3725752.46	0.05366	437260.64	3725758.74	0.05484
437268.03	3725765.02	0.05611	437275.42	3725771.30	0.05735
437282.81	3725777.58	0.05854	437312.37	3725802.70	0.06239
437319.75	3725808.98	0.06337	437327.14	3725815.26	0.06422
437221.26	3725760.88	0.04684	437216.09	3725752.72	0.04635
437210.91	3725744.56	0.04583	437205.74	3725736.40	0.04526
437169.51	3725679.27	0.04125	437164.34	3725671.11	0.04063
437159.16	3725662.95	0.04002	437153.99	3725654.79	0.03942
437148.81	3725646.63	0.03880	437143.64	3725638.47	0.03820
437138.46	3725630.31	0.03762	437133.29	3725622.15	0.03710
437102.24	3725573.19	0.03414	437307.72	3725838.12	0.05725
437176.09	3725743.14	0.04003	437170.94	3725735.02	0.03949
437165.78	3725726.89	0.03894	437160.63	3725718.77	0.03840
437140.02	3725686.26	0.03634	437134.87	3725678.14	0.03586
437129.71	3725670.01	0.03540	437098.80	3725621.26	0.03274
437093.64	3725613.14	0.03231	437088.49	3725605.01	0.03189
437083.34	3725596.89	0.03147	437176.02	3725814.36	0.03740
437170.93	3725806.34	0.03704	437165.85	3725798.32	0.03667
437160.77	3725790.31	0.03629	437155.68	3725782.29	0.03589
437125.18	3725734.19	0.03311	437120.09	3725726.17	0.03264
437115.01	3725718.15	0.03219	437109.92	3725710.14	0.03179
437104.84	3725702.12	0.03143	437099.76	3725694.10	0.03108
437094.67	3725686.08	0.03073	437089.59	3725678.07	0.03038
437084.50	3725670.05	0.03005	437079.42	3725662.03	0.02975
437059.08	3725629.96	0.02856	437054.00	3725621.95	0.02824
437048.92	3725613.93	0.02792	437181.10	3725822.37	0.03774
437188.49	3725828.65	0.03844	437195.88	3725834.93	0.03912
437203.27	3725841.21	0.03982	437210.66	3725847.49	0.04053
437218.05	3725853.77	0.04120	437225.44	3725860.05	0.04183
437232.83	3725866.33	0.04244	437240.22	3725872.61	0.04303
437247.60	3725878.89	0.04361	437254.99	3725885.17	0.04419
437262.38	3725891.45	0.04476	437150.05	3725844.74	0.03332
437144.91	3725836.63	0.03303	437119.19	3725796.07	0.03123

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437114.04	3725787.95	0.03081	437108.90	3725779.84	0.03039
437103.75	3725771.73	0.02995	437072.88	3725723.05	0.02776
437052.31	3725690.60	0.02676	437047.16	3725682.49	0.02652
437042.02	3725674.38	0.02630	437036.87	3725666.27	0.02606
437031.73	3725658.15	0.02581	437026.58	3725650.04	0.02554
437155.20	3725852.85	0.03361	437162.59	3725859.13	0.03419
437169.98	3725865.41	0.03477	437177.37	3725871.69	0.03535
437184.76	3725877.97	0.03592	437192.14	3725884.25	0.03648
437199.53	3725890.53	0.03702	437206.92	3725896.81	0.03752
437214.31	3725903.09	0.03802	437221.70	3725909.37	0.03851
437229.09	3725915.65	0.03900	437236.48	3725921.93	0.03951
437124.21	3725875.32	0.02991	437119.13	3725867.30	0.02968
437114.04	3725859.28	0.02943	437108.96	3725851.26	0.02917
437103.87	3725843.25	0.02886	437098.79	3725835.23	0.02853
437093.71	3725827.21	0.02816	437088.62	3725819.20	0.02781
437027.61	3725722.99	0.02462	437022.53	3725714.97	0.02444
437017.44	3725706.96	0.02422	437012.36	3725698.94	0.02400
437007.28	3725690.92	0.02378	437002.19	3725682.91	0.02358
436997.11	3725674.89	0.02338	436992.02	3725666.87	0.02316
436986.94	3725658.85	0.02295	436981.85	3725650.84	0.02273
436936.10	3725578.68	0.02051	436931.01	3725570.67	0.02029
437129.29	3725883.33	0.03015	437136.68	3725889.61	0.03065
437144.07	3725895.89	0.03114	437151.46	3725902.17	0.03165
437158.85	3725908.45	0.03214	437166.24	3725914.73	0.03263
437173.63	3725921.01	0.03309	437181.02	3725927.29	0.03353
437188.41	3725933.57	0.03395	437195.80	3725939.85	0.03437
437203.19	3725946.13	0.03480	437210.57	3725952.41	0.03524
437098.25	3725905.71	0.02704	437093.11	3725897.61	0.02681
437087.98	3725889.50	0.02657	437082.84	3725881.40	0.02632
437077.70	3725873.30	0.02607	437072.56	3725865.20	0.02583
437067.42	3725857.10	0.02559	437062.28	3725848.99	0.02535
437057.15	3725840.89	0.02510	437052.01	3725832.79	0.02484
437046.87	3725824.69	0.02457	437041.73	3725816.58	0.02432
437036.59	3725808.48	0.02407	437031.46	3725800.38	0.02383
437026.32	3725792.28	0.02360	437021.18	3725784.17	0.02338
437016.04	3725776.07	0.02320	437010.90	3725767.97	0.02307
437005.76	3725759.87	0.02293	436974.93	3725711.25	0.02192
436969.80	3725703.15	0.02174	436964.66	3725695.05	0.02156
436959.52	3725686.94	0.02137	436954.38	3725678.84	0.02121
436903.00	3725597.82	0.01877	436897.86	3725589.72	0.01856

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436892.72	3725581.61	0.01834	436887.58	3725573.51	0.01813
437103.39	3725913.81	0.02726	437110.78	3725920.09	0.02768
437118.17	3725926.37	0.02813	437125.56	3725932.65	0.02856
437132.95	3725938.93	0.02896	437140.34	3725945.21	0.02935
437147.72	3725951.49	0.02972	437155.11	3725957.77	0.03009
437162.50	3725964.05	0.03045	437169.89	3725970.33	0.03080
437177.28	3725976.61	0.03113	437184.67	3725982.89	0.03146
437072.30	3725936.11	0.02490	437067.11	3725927.93	0.02469
437061.92	3725919.75	0.02449	437056.73	3725911.57	0.02429
437051.55	3725903.39	0.02407	437046.36	3725895.21	0.02385
437041.17	3725887.03	0.02365	437035.98	3725878.85	0.02344
437030.79	3725870.66	0.02322	437025.61	3725862.48	0.02300
437020.42	3725854.30	0.02277	437015.23	3725846.12	0.02256
437010.04	3725837.94	0.02236	437004.86	3725829.76	0.02220
436999.67	3725821.58	0.02206	436994.48	3725813.40	0.02194
436989.29	3725805.22	0.02182	436984.10	3725797.04	0.02163
436978.92	3725788.86	0.02145	436973.73	3725780.68	0.02126
436968.54	3725772.50	0.02108	436963.35	3725764.32	0.02093
436958.16	3725756.13	0.02077	436927.04	3725707.05	0.01988
436921.85	3725698.87	0.01978	436875.16	3725625.24	0.01751
436869.97	3725617.06	0.01732	436864.78	3725608.88	0.01715
436859.59	3725600.70	0.01698	436854.41	3725592.52	0.01680
436849.22	3725584.34	0.01662	436844.03	3725576.16	0.01643
436838.84	3725567.98	0.01625	437077.49	3725944.29	0.02509
437084.88	3725950.57	0.02543	437092.26	3725956.85	0.02577
437099.65	3725963.13	0.02611	437107.04	3725969.41	0.02642
437114.43	3725975.69	0.02672	437121.82	3725981.97	0.02701
437129.21	3725988.25	0.02728	437136.60	3725994.53	0.02755
437143.99	3726000.81	0.02786	437151.38	3726007.09	0.02819
437158.77	3726013.37	0.02850	437046.45	3725966.68	0.02367
437041.32	3725958.58	0.02347	437036.18	3725950.49	0.02324
437031.05	3725942.39	0.02302	437025.92	3725934.30	0.02280
437020.78	3725926.20	0.02260	437015.65	3725918.11	0.02238
437010.52	3725910.02	0.02216	437005.38	3725901.92	0.02194
437000.25	3725893.83	0.02173	436995.12	3725885.73	0.02154
436989.99	3725877.64	0.02134	436984.85	3725869.55	0.02113
436979.72	3725861.45	0.02095	436974.59	3725853.36	0.02078
436969.45	3725845.26	0.02061	436964.32	3725837.17	0.02044
436959.19	3725829.07	0.02031	436954.05	3725820.98	0.02018
436948.92	3725812.89	0.02005	436943.79	3725804.79	0.01991

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436938.66	3725796.70	0.01974	436933.52	3725788.60	0.01957
436928.39	3725780.51	0.01942	436923.26	3725772.42	0.01928
436918.12	3725764.32	0.01916	436912.99	3725756.23	0.01903
436841.13	3725642.91	0.01645	436835.99	3725634.81	0.01622
436830.86	3725626.72	0.01602	436825.73	3725618.63	0.01587
436820.60	3725610.53	0.01572	436815.46	3725602.44	0.01557
437051.58	3725974.77	0.02384	437058.97	3725981.05	0.02410
437066.36	3725987.33	0.02436	437073.75	3725993.61	0.02460
437081.14	3725999.89	0.02483	437088.53	3726006.17	0.02505
437095.92	3726012.45	0.02527	437103.31	3726018.73	0.02548
437110.69	3726025.01	0.02569	437118.08	3726031.29	0.02591
437125.47	3726037.57	0.02615	437132.86	3726043.85	0.02639
437020.50	3725997.08	0.02237	437015.32	3725988.92	0.02227
437010.14	3725980.75	0.02209	437004.96	3725972.59	0.02188
436999.79	3725964.42	0.02169	436994.61	3725956.26	0.02150
436989.43	3725948.09	0.02130	436984.25	3725939.92	0.02109
436979.07	3725931.76	0.02089	436973.89	3725923.59	0.02069
436968.72	3725915.43	0.02048	436963.54	3725907.26	0.02029
436958.36	3725899.10	0.02011	436953.18	3725890.93	0.01990
436948.00	3725882.77	0.01968	436942.82	3725874.60	0.01948
436937.65	3725866.43	0.01928	436932.47	3725858.27	0.01911
436927.29	3725850.10	0.01893	436922.11	3725841.94	0.01875
436916.93	3725833.77	0.01857	436911.76	3725825.61	0.01845
436906.58	3725817.44	0.01834	436901.40	3725809.28	0.01824
436896.22	3725801.11	0.01812	436891.04	3725792.94	0.01800
436885.86	3725784.78	0.01787	436880.69	3725776.61	0.01775
436875.51	3725768.45	0.01764	436870.33	3725760.28	0.01757
436865.15	3725752.12	0.01748	436808.19	3725662.30	0.01569
437025.68	3726005.25	0.02246	437033.07	3726011.53	0.02268
437040.46	3726017.81	0.02292	437047.84	3726024.09	0.02313
437055.23	3726030.37	0.02332	437062.62	3726036.65	0.02351
437070.01	3726042.93	0.02372	437077.40	3726049.21	0.02394
437084.79	3726055.49	0.02413	437092.18	3726061.77	0.02431
437099.57	3726068.05	0.02450	437106.96	3726074.33	0.02472
436994.64	3726027.64	0.02086	436989.52	3726019.55	0.02081
436984.39	3726011.47	0.02073	436979.26	3726003.38	0.02063
436974.13	3725995.29	0.02052	436969.00	3725987.20	0.02039
436963.87	3725979.12	0.02022	436958.74	3725971.03	0.02004
436953.61	3725962.94	0.01985	436948.49	3725954.85	0.01967
436943.36	3725946.77	0.01949	436938.23	3725938.68	0.01932

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436933.10	3725930.59	0.01915	436927.97	3725922.50	0.01897
436922.84	3725914.42	0.01876	436917.71	3725906.33	0.01855
436912.58	3725898.24	0.01834	436907.46	3725890.15	0.01814
436902.33	3725882.07	0.01794	436897.20	3725873.98	0.01774
436892.07	3725865.89	0.01753	436886.94	3725857.80	0.01737
436881.81	3725849.72	0.01721	436866.43	3725825.45	0.01681
436861.30	3725817.37	0.01670	436856.17	3725809.28	0.01659
436851.04	3725801.19	0.01648	436845.91	3725793.11	0.01636
436840.78	3725785.02	0.01624	436835.65	3725776.93	0.01612
436830.53	3725768.84	0.01603	436825.40	3725760.76	0.01594
436999.77	3726035.73	0.02092	437007.16	3726042.01	0.02108
437014.55	3726048.29	0.02125	437021.94	3726054.57	0.02142
437029.33	3726060.85	0.02160	437036.72	3726067.13	0.02179
437044.11	3726073.41	0.02197	437051.50	3726079.69	0.02219
437058.89	3726085.97	0.02246	437066.28	3726092.25	0.02275
437073.66	3726098.53	0.02306	437081.05	3726104.81	0.02337
436968.70	3726058.05	0.01952	436963.53	3726049.90	0.01948
436958.36	3726041.75	0.01943	436953.19	3726033.60	0.01938
436948.02	3726025.44	0.01933	436942.85	3726017.29	0.01925
436937.68	3726009.14	0.01914	436932.51	3726000.98	0.01901
436927.34	3725992.83	0.01887	436922.17	3725984.68	0.01871
436917.00	3725976.52	0.01853	436911.83	3725968.37	0.01834
436906.66	3725960.22	0.01816	436901.48	3725952.07	0.01798
436896.31	3725943.91	0.01781	436891.14	3725935.76	0.01763
436885.97	3725927.61	0.01743	436880.80	3725919.45	0.01724
436875.63	3725911.30	0.01704	436870.46	3725903.15	0.01686
436865.29	3725894.99	0.01668	436860.12	3725886.84	0.01650
436854.95	3725878.69	0.01632	436834.27	3725846.08	0.01577
436829.10	3725837.92	0.01563	436823.93	3725829.77	0.01552
436818.76	3725821.62	0.01540	436813.59	3725813.46	0.01528
436808.42	3725805.31	0.01517	436803.25	3725797.16	0.01507
436798.08	3725789.01	0.01497	436792.91	3725780.85	0.01488
436687.87	3725073.86	0.01256	436973.87	3726066.21	0.01957
436981.26	3726072.49	0.01971	436988.65	3726078.77	0.01985
436996.04	3726085.05	0.02003	437003.43	3726091.33	0.02021
437010.81	3726097.61	0.02040	437018.20	3726103.89	0.02060
437025.59	3726110.17	0.02084	437032.98	3726116.45	0.02111
437040.37	3726122.73	0.02139	437047.76	3726129.01	0.02169
437055.15	3726135.29	0.02200	436942.84	3726088.60	0.01841
436937.71	3726080.52	0.01837	436932.59	3726072.44	0.01834

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436927.46	3726064.36	0.01832	436922.34	3726056.28	0.01830
436917.21	3726048.20	0.01827	436912.09	3726040.11	0.01819
436906.96	3726032.03	0.01810	436901.84	3726023.95	0.01801
436896.71	3726015.87	0.01790	436891.59	3726007.79	0.01772
436886.46	3725999.71	0.01754	436881.34	3725991.62	0.01737
436876.21	3725983.54	0.01719	436871.09	3725975.46	0.01702
436865.96	3725967.38	0.01684	436860.84	3725959.30	0.01666
436855.71	3725951.21	0.01648	436850.59	3725943.13	0.01628
436845.46	3725935.05	0.01609	436840.34	3725926.97	0.01589
436835.21	3725918.89	0.01574	436830.09	3725910.81	0.01560
436804.46	3725870.40	0.01494	436799.34	3725862.32	0.01482
436794.21	3725854.23	0.01470	436789.09	3725846.15	0.01458
436783.96	3725838.07	0.01446	436778.84	3725829.99	0.01436
436773.71	3725821.91	0.01427	436768.59	3725813.82	0.01417
436763.46	3725805.74	0.01408	436947.97	3726096.69	0.01845
436955.35	3726102.97	0.01857	436962.74	3726109.25	0.01873
436970.13	3726115.53	0.01893	436977.52	3726121.81	0.01914
436984.91	3726128.09	0.01934	436992.30	3726134.37	0.01956
436999.69	3726140.65	0.01981	437007.08	3726146.93	0.02007
437014.47	3726153.21	0.02033	437021.86	3726159.49	0.02059
437029.25	3726165.77	0.02086	437520.06	3725611.33	0.28973
437507.55	3725626.93	0.24678	437495.04	3725642.54	0.21137
437470.46	3725661.28	0.16753	437482.10	3725670.61	0.17393
437451.70	3725684.69	0.13939	437463.34	3725694.02	0.14428
437432.93	3725708.10	0.11882	437444.57	3725717.43	0.12269
437425.81	3725740.84	0.10623	437407.05	3725764.25	0.09397
437357.88	3725801.73	0.07360	437335.13	3725821.85	0.06519
437344.94	3725829.81	0.06642	437316.14	3725845.07	0.05823
437326.17	3725853.21	0.05937	437271.84	3725899.26	0.04552
437282.39	3725907.83	0.04640	437246.53	3725930.23	0.04023
437257.38	3725939.05	0.04099	437221.22	3725961.20	0.03584
437232.36	3725970.26	0.03645	437195.91	3725992.17	0.03201
437207.34	3726001.47	0.03260	437172.07	3726024.35	0.02908
437182.33	3726032.68	0.02956	437146.83	3726055.38	0.02691
437157.31	3726063.89	0.02728	437121.59	3726086.41	0.02526
437132.29	3726095.10	0.02564	437096.35	3726117.44	0.02391
437107.27	3726126.31	0.02429	437071.11	3726148.47	0.02260
437082.26	3726157.52	0.02301	437045.88	3726179.49	0.02145
437057.24	3726188.73	0.02181	437676.44	3725481.96	2.81820
437598.06	3725572.83	0.67434	437532.24	3725621.70	0.30036

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437545.81	3725633.41	0.31189	437519.18	3725636.85	0.25443
437525.96	3725642.70	0.25852	437493.30	3725680.56	0.17926
437500.09	3725686.41	0.18247	437473.71	3725703.28	0.14831
437480.49	3725709.13	0.15106	437454.11	3725726.00	0.12548
437434.52	3725748.71	0.10806	437414.93	3725771.43	0.09522
437395.33	3725794.15	0.08483	437356.14	3725839.58	0.06763
437362.93	3725845.43	0.06830	437336.55	3725862.30	0.06048
437343.33	3725868.15	0.06120	437290.83	3725915.30	0.04704
437297.61	3725921.15	0.04756	437264.70	3725945.59	0.04144
437271.48	3725951.44	0.04185	437245.36	3725981.73	0.03709
437219.23	3726012.02	0.03316	437193.11	3726042.31	0.03000
437166.98	3726072.60	0.02758	437140.85	3726102.89	0.02591
437114.73	3726133.18	0.02453	437719.82	3725444.76	5.90904
437728.16	3725437.23	6.52706	437738.00	3725425.67	7.42857
437726.30	3725451.82	5.18834	437712.30	3725454.87	5.00495
437735.78	3725443.71	5.66988	437745.62	3725432.15	6.31350
437733.34	3725458.59	4.60321	437723.07	3725463.82	4.35821
437712.46	3725464.64	4.26944	437701.51	3725461.05	4.39423
437743.39	3725450.20	4.96236	437753.23	3725438.64	5.42879
437740.61	3725465.25	4.11509	437729.66	3725470.83	3.91994
437712.86	3725474.49	3.68780	437701.18	3725470.66	3.77703
437751.01	3725456.68	4.38201	437760.85	3725445.12	4.71409
437748.00	3725471.85	3.70243	437736.59	3725477.66	3.54758
437725.18	3725483.47	3.30178	437713.39	3725484.38	3.21623
437701.22	3725480.39	3.28182	437758.62	3725463.16	3.90076
437755.45	3725478.41	3.34739	437743.71	3725484.39	3.22464
437731.98	3725490.37	3.02659	437713.98	3725494.30	2.82957
437701.47	3725490.19	2.87805	437688.96	3725486.07	2.87592
437766.24	3725469.64	3.49698	437762.94	3725484.96	3.03650
437750.96	3725491.06	2.94145	437738.98	3725497.17	2.78343
437727.00	3725503.27	2.58628	437714.62	3725504.22	2.50924
437701.85	3725500.03	2.54476	437689.07	3725495.83	2.53878
437676.30	3725491.63	2.48853	437773.85	3725476.12	3.15070
437770.46	3725491.49	2.76686	437758.29	3725497.69	2.69280
437746.12	3725503.89	2.56711	437733.95	3725510.09	2.40234
437715.29	3725514.16	2.23758	437702.31	3725509.90	2.26508
437689.33	3725505.63	2.25788	437676.36	3725501.37	2.21356
437781.47	3725482.60	2.84243	437791.31	3725471.04	2.95205
437778.00	3725498.01	2.52249	437765.68	3725504.29	2.47354
437753.36	3725510.57	2.37101	437741.03	3725516.84	2.23445

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437728.71	3725523.12	2.07334	437715.98	3725524.11	2.00655
437702.84	3725519.79	2.02729	437689.70	3725515.47	2.01932
437676.56	3725511.16	1.98090	437789.08	3725489.09	2.57593
437798.92	3725477.53	2.66062	437785.55	3725504.52	2.30741
437773.11	3725510.86	2.27490	437760.66	3725517.21	2.19409
437748.21	3725523.55	2.08134	437735.76	3725529.89	1.94513
437716.68	3725534.05	1.80903	437703.41	3725529.69	1.82430
437690.13	3725525.33	1.81577	437676.86	3725520.97	1.78220
437663.59	3725516.61	1.72433	437796.70	3725495.57	2.34404
437806.54	3725484.01	2.41254	437800.69	3725517.53	1.94062
437788.05	3725523.97	1.93772	437775.41	3725530.41	1.88900
437762.77	3725536.85	1.81417	437750.13	3725543.29	1.71561
437737.49	3725549.73	1.60253	437718.11	3725553.96	1.49140
437704.64	3725549.53	1.49946	437691.16	3725545.11	1.48971
437677.68	3725540.68	1.46296	437664.21	3725536.25	1.41946
437650.73	3725531.82	1.36026	437811.93	3725508.53	1.96061
437821.77	3725496.97	2.00298	437815.85	3725530.53	1.64938
437803.07	3725537.04	1.66226	437790.29	3725543.56	1.63513
437777.51	3725550.07	1.58542	437764.73	3725556.58	1.51660
437751.95	3725563.09	1.43290	437739.17	3725569.60	1.33940
437719.58	3725573.88	1.24763	437705.95	3725569.40	1.25244
437692.32	3725564.92	1.24294	437678.70	3725560.45	1.22047
437665.07	3725555.97	1.18684	437651.44	3725551.49	1.14171
437637.82	3725547.02	1.08638	437827.16	3725521.50	1.65560
437837.00	3725509.94	1.68123	437779.48	3725569.79	1.34484
437766.59	3725576.36	1.28309	437753.70	3725582.92	1.21207
437740.81	3725589.49	1.13468	437721.06	3725593.80	1.05702
437707.31	3725589.29	1.05785	437693.57	3725584.77	1.04979
437679.83	3725580.26	1.03200	437666.09	3725575.74	1.00510
437652.35	3725571.23	0.96991	437638.61	3725566.71	0.92680
437624.87	3725562.20	0.87760	437846.21	3725556.51	1.21908
437833.24	3725563.12	1.23691	437820.27	3725569.73	1.24141
437755.41	3725602.78	1.03305	437742.44	3725609.39	0.96330
437722.55	3725613.73	0.89464	437708.72	3725609.18	0.89652
437694.88	3725604.64	0.89187	437681.05	3725600.09	0.88085
437667.22	3725595.55	0.85724	437653.39	3725591.01	0.82674
437639.56	3725586.46	0.79392	437625.73	3725581.92	0.75557
437611.89	3725577.37	0.71623	437857.62	3725547.42	1.21575
437867.46	3725535.86	1.22439	437861.41	3725569.49	1.05937
437848.37	3725576.13	1.07448	437809.24	3725596.07	1.06365

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437796.20	3725602.71	1.03103	437724.05	3725633.65	0.76319
437710.14	3725629.09	0.76407	437696.24	3725624.52	0.75979
437682.33	3725619.95	0.74945	437668.43	3725615.38	0.73069
437654.52	3725610.81	0.70622	437640.62	3725606.25	0.68010
437626.71	3725601.68	0.65190	437612.81	3725597.11	0.62085
437598.90	3725592.54	0.58749	437872.85	3725560.39	1.05672
437882.69	3725548.83	1.05965	437824.22	3725609.16	0.93881
437811.12	3725615.84	0.91585	437798.02	3725622.51	0.88460
437784.93	3725629.18	0.84740	437771.83	3725635.86	0.80432
437758.73	3725642.53	0.75575	437711.59	3725649.00	0.65512
437697.62	3725644.41	0.65076	437683.66	3725639.82	0.64251
437669.69	3725635.23	0.62886	437655.73	3725630.65	0.61004
437888.08	3725573.35	0.92997	437897.92	3725561.79	0.92797
437891.81	3725595.44	0.83233	437878.67	3725602.14	0.83984
437865.52	3725608.84	0.84135	437812.94	3725635.63	0.79910
437799.80	3725642.33	0.77152	437786.65	3725649.03	0.73637
437773.51	3725655.73	0.69572	437760.36	3725662.42	0.65394
437747.22	3725669.12	0.61001	437699.03	3725664.31	0.56319
437903.31	3725586.31	0.82098	437913.15	3725574.75	0.81678
437907.02	3725608.42	0.73823	437893.84	3725615.14	0.75047
437880.65	3725621.85	0.75525	437854.28	3725635.29	0.75172
437841.10	3725642.01	0.74226	437827.91	3725648.73	0.72736
437775.17	3725675.60	0.60932	437761.98	3725682.32	0.57184
437748.80	3725689.04	0.53300	437587.99	3725647.26	0.38218
437573.93	3725642.65	0.35988	437559.87	3725638.03	0.33705
437918.54	3725599.28	0.73039	437928.38	3725587.72	0.72603
437922.24	3725621.39	0.66346	437909.01	3725628.13	0.67525
437895.79	3725634.86	0.68133	437869.35	3725648.34	0.68085
437856.13	3725655.07	0.67355	437842.91	3725661.81	0.66301
437829.69	3725668.55	0.64662	437816.47	3725675.28	0.62392
437776.81	3725695.49	0.53702	437763.59	3725702.23	0.50382
437750.37	3725708.97	0.47232	437589.13	3725667.08	0.33948
437575.04	3725662.45	0.32315	437560.94	3725657.81	0.30618
437546.84	3725653.18	0.28407	437933.77	3725612.24	0.65406
437943.61	3725600.68	0.64976	437937.45	3725634.36	0.59891
437924.20	3725641.11	0.61312	437910.95	3725647.87	0.62097
437884.45	3725661.37	0.62096	437871.20	3725668.12	0.61639
437857.94	3725674.87	0.60818	437844.69	3725681.63	0.59494
437831.44	3725688.38	0.57733	437791.69	3725708.63	0.50697
437778.44	3725715.39	0.47649	437562.07	3725677.62	0.27495

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437547.94	3725672.98	0.25818	437533.81	3725668.34	0.24080
437949.00	3725625.21	0.59037	437958.84	3725613.65	0.58534
437960.27	3725653.82	0.51770	437946.98	3725660.59	0.53006
437933.69	3725667.36	0.53922	437907.12	3725680.90	0.54536
437893.83	3725687.68	0.54281	437880.54	3725694.45	0.53642
437867.25	3725701.22	0.52722	437853.96	3725707.99	0.51553
437814.09	3725728.31	0.46405	437800.80	3725735.08	0.44005
437521.34	3725693.40	0.20044	437971.84	3725644.65	0.50895
437981.68	3725633.09	0.50423	437983.10	3725673.27	0.45325
437969.78	3725680.06	0.46398	437956.46	3725686.85	0.47123
437929.81	3725700.42	0.47771	437916.49	3725707.21	0.47683
437903.17	3725714.00	0.47307	437889.85	3725720.79	0.46700
437876.52	3725727.58	0.45875	437836.55	3725747.95	0.42209
437823.23	3725754.73	0.40414	437494.70	3725713.80	0.16051
437994.68	3725664.10	0.44499	438004.52	3725652.54	0.44067
438005.93	3725692.72	0.39941	437992.58	3725699.53	0.40866
437979.23	3725706.33	0.41552	437952.53	3725719.93	0.42188
437939.18	3725726.74	0.42204	437925.83	3725733.54	0.41980
437912.48	3725740.34	0.41566	437899.13	3725747.14	0.41006
437859.08	3725767.55	0.38306	437845.73	3725774.36	0.36942
437468.02	3725734.19	0.13087	438017.53	3725683.54	0.39246
438027.37	3725671.98	0.38802	437975.27	3725739.43	0.37562
437961.90	3725746.25	0.37686	437948.52	3725753.06	0.37604
437935.15	3725759.88	0.37324	437921.77	3725766.69	0.36939
437881.65	3725787.14	0.34794	437868.28	3725793.95	0.33826
437484.09	3725768.62	0.12575	437469.83	3725763.93	0.11984
437455.57	3725759.25	0.11469	438040.37	3725702.99	0.34864
438050.21	3725691.43	0.34389	438051.60	3725731.63	0.31573
438038.21	3725738.45	0.32271	437998.02	3725758.93	0.33545
437984.63	3725765.75	0.33674	437971.23	3725772.58	0.33680
437957.84	3725779.40	0.33562	437944.44	3725786.23	0.33319
437904.26	3725806.71	0.31784	437890.86	3725813.53	0.31013
437500.27	3725803.09	0.11982	437485.98	3725798.40	0.11487
437471.70	3725793.70	0.10995	437457.42	3725789.01	0.10585
437443.13	3725784.32	0.10189	437428.85	3725779.63	0.09812
438063.22	3725722.43	0.31101	438073.06	3725710.87	0.30765
438020.78	3725778.41	0.30084	438007.37	3725785.25	0.30244
437993.96	3725792.08	0.30305	437980.54	3725798.92	0.30264
437967.13	3725805.75	0.30121	437953.72	3725812.59	0.29874
437940.30	3725819.42	0.29529	437926.89	3725826.26	0.29084

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437913.48	3725833.09	0.28519	437530.84	3725842.28	0.11756
437502.23	3725832.89	0.10897	437487.93	3725828.19	0.10512
437473.63	3725823.49	0.10129	437459.32	3725818.79	0.09784
437445.02	3725814.09	0.09460	437430.72	3725809.39	0.09155
437416.42	3725804.70	0.08860	438097.27	3725770.53	0.25407
438083.84	3725777.37	0.25957	437976.41	3725832.11	0.27176
437962.98	3725838.96	0.26932	437949.55	3725845.80	0.26605
437936.12	3725852.64	0.26166	437547.19	3725876.81	0.11017
437532.87	3725872.11	0.10655	437518.56	3725867.40	0.10316
437504.24	3725862.70	0.09980	437489.92	3725858.00	0.09662
437461.28	3725848.59	0.09062	437446.96	3725843.88	0.08784
437432.64	3725839.18	0.08520	437418.32	3725834.47	0.08280
437404.00	3725829.77	0.08031	438108.91	3725761.32	0.25031
438118.75	3725749.76	0.24833	438120.11	3725789.97	0.22999
438106.67	3725796.82	0.23476	438093.22	3725803.67	0.23888
438079.78	3725810.53	0.24216	438066.33	3725817.38	0.24499
438052.89	3725824.23	0.24729	438039.45	3725831.08	0.24869
438026.00	3725837.93	0.24920	437606.62	3725925.49	0.11305
437592.28	3725920.78	0.10972	437577.95	3725916.07	0.10674
437549.28	3725906.65	0.10070	437534.94	3725901.94	0.09754
437520.61	3725897.23	0.09456	437506.27	3725892.52	0.09178
437491.94	3725887.81	0.08921	437477.60	3725883.10	0.08674
437463.27	3725878.40	0.08428	437448.93	3725873.69	0.08193
437420.27	3725864.27	0.07736	437405.93	3725859.56	0.07519
437391.60	3725854.85	0.07302	438131.75	3725780.77	0.22699
438141.59	3725769.21	0.22563	438142.95	3725809.42	0.20948
438129.49	3725816.28	0.21335	438116.03	3725823.14	0.21730
438102.58	3725829.99	0.22083	438089.12	3725836.85	0.22353
438075.66	3725843.71	0.22540	438062.21	3725850.56	0.22672
438048.75	3725857.42	0.22747	438035.30	3725864.28	0.22762
438021.84	3725871.14	0.22716	438008.38	3725877.99	0.22609
437994.93	3725884.85	0.22441	437623.13	3725960.06	0.10760
437608.78	3725955.35	0.10453	437594.43	3725950.64	0.10151
437580.08	3725945.92	0.09862	437565.73	3725941.21	0.09585
437551.38	3725936.50	0.09314	437508.34	3725922.36	0.08540
437493.99	3725917.64	0.08305	437479.64	3725912.93	0.08084
437465.29	3725908.21	0.07872	437450.94	3725903.50	0.07668
437436.60	3725898.79	0.07464	437422.25	3725894.07	0.07262
437407.90	3725889.36	0.07064	437364.85	3725875.22	0.06452
438154.60	3725800.21	0.20703	438164.44	3725788.65	0.20577

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438165.79	3725828.87	0.19175	438152.32	3725835.73	0.19544
438138.85	3725842.60	0.19858	438125.38	3725849.46	0.20157
438111.91	3725856.32	0.20415	438098.45	3725863.19	0.20611
438084.98	3725870.05	0.20750	438071.51	3725876.91	0.20841
438058.04	3725883.77	0.20882	438044.57	3725890.64	0.20871
438031.10	3725897.50	0.20805	438017.64	3725904.36	0.20686
438004.17	3725911.23	0.20525	437610.95	3725985.22	0.09718
437596.59	3725980.50	0.09438	437582.23	3725975.78	0.09166
437567.87	3725971.07	0.08902	437553.51	3725966.35	0.08654
437539.15	3725961.63	0.08422	437524.79	3725956.91	0.08197
437510.43	3725952.20	0.07994	437467.35	3725938.04	0.07387
437452.98	3725933.32	0.07209	437438.62	3725928.61	0.07035
437424.26	3725923.89	0.06864	437409.90	3725919.17	0.06694
437381.18	3725909.74	0.06286	437366.82	3725905.02	0.06079
437352.46	3725900.30	0.05878	438177.44	3725819.66	0.18917
438187.28	3725808.10	0.18782	438196.24	3725854.80	0.17104
438182.76	3725861.67	0.17425	438169.27	3725868.54	0.17708
438155.79	3725875.41	0.17972	438142.31	3725882.28	0.18212
438128.83	3725889.15	0.18404	438115.35	3725896.02	0.18545
438101.86	3725902.89	0.18648	438088.38	3725909.76	0.18699
438074.90	3725916.63	0.18690	438061.42	3725923.50	0.18644
438047.94	3725930.37	0.18537	438034.46	3725937.24	0.18376
438020.97	3725944.11	0.18197	437556.37	3726006.16	0.07881
437541.99	3726001.44	0.07697	437527.62	3725996.71	0.07513
437513.24	3725991.99	0.07339	437498.87	3725987.27	0.07162
437484.49	3725982.55	0.07001	437470.12	3725977.82	0.06838
437455.74	3725973.10	0.06682	437398.24	3725954.21	0.06005
437383.86	3725949.49	0.05825	437369.49	3725944.77	0.05637
437311.99	3725925.88	0.04930	438207.90	3725845.59	0.16898
438217.74	3725834.03	0.16808	438226.69	3725880.73	0.15368
438213.20	3725887.61	0.15653	438199.70	3725894.49	0.15934
438186.21	3725901.36	0.16178	438172.72	3725908.24	0.16371
438159.22	3725915.11	0.16539	438145.73	3725921.99	0.16677
438132.23	3725928.87	0.16786	438118.74	3725935.74	0.16847
438105.24	3725942.62	0.16848	438091.75	3725949.49	0.16787
438078.26	3725956.37	0.16676	438064.76	3725963.25	0.16534
438051.27	3725970.12	0.16377	437501.70	3726027.07	0.06604
437487.31	3726022.35	0.06465	437472.92	3726017.62	0.06330
437458.54	3726012.89	0.06190	437444.15	3726008.16	0.06052
437415.37	3725998.71	0.05706	437400.98	3725993.98	0.05539

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437386.59	3725989.26	0.05378	437372.20	3725984.53	0.05223
437329.04	3725970.35	0.04757	437314.65	3725965.62	0.04607
437300.26	3725960.90	0.04465	437285.87	3725956.17	0.04326
438238.36	3725871.51	0.15186	438248.20	3725859.95	0.15089
438257.15	3725906.66	0.13922	438243.64	3725913.54	0.14182
438230.14	3725920.43	0.14409	438216.63	3725927.31	0.14618
438203.13	3725934.19	0.14809	438189.62	3725941.07	0.14978
438176.12	3725947.95	0.15124	438162.61	3725954.83	0.15246
438149.11	3725961.72	0.15298	438135.60	3725968.60	0.15302
438122.10	3725975.48	0.15256	438108.59	3725982.36	0.15164
438095.09	3725989.24	0.15053	438081.58	3725996.12	0.14926
437518.96	3726071.61	0.06216	437504.56	3726066.88	0.06100
437418.16	3726038.50	0.05275	437403.76	3726033.77	0.05124
437389.36	3726029.04	0.04979	437346.16	3726014.85	0.04571
437331.76	3726010.12	0.04440	437317.36	3726005.38	0.04313
437302.96	3726000.65	0.04191	437288.56	3725995.92	0.04069
437274.16	3725991.19	0.03947	437259.76	3725986.46	0.03828
438268.82	3725897.44	0.13742	438278.66	3725885.88	0.13636
438287.60	3725932.59	0.12610	438274.09	3725939.48	0.12874
438260.57	3725946.37	0.13112	438247.06	3725953.25	0.13323
438233.54	3725960.14	0.13494	438220.03	3725967.03	0.13637
438206.51	3725973.91	0.13764	438193.00	3725980.80	0.13871
438179.48	3725987.69	0.13941	438165.97	3725994.57	0.13983
438152.45	3726001.46	0.13991	438138.94	3726008.35	0.13966
438125.42	3726015.23	0.13907	438111.91	3726022.12	0.13793
437493.03	3726101.97	0.05544	437478.62	3726097.23	0.05417
437464.21	3726092.50	0.05290	437449.80	3726087.77	0.05158
437435.39	3726083.03	0.05027	437363.34	3726059.36	0.04391
437348.93	3726054.63	0.04276	437334.52	3726049.89	0.04161
437320.11	3726045.16	0.04048	437305.70	3726040.42	0.03941
437291.28	3726035.69	0.03837	437276.87	3726030.96	0.03731
437262.46	3726026.22	0.03626	437248.05	3726021.49	0.03521
437233.64	3726016.75	0.03417	438299.28	3725923.37	0.12430
438309.12	3725911.81	0.12335	438304.53	3725965.41	0.11707
438291.01	3725972.30	0.11962	438277.48	3725979.20	0.12195
438263.96	3725986.09	0.12363	438250.44	3725992.98	0.12498
438236.91	3725999.87	0.12601	438223.39	3726006.76	0.12685
438209.87	3726013.65	0.12766	438196.34	3726020.54	0.12833
438182.82	3726027.43	0.12872	438169.30	3726034.32	0.12882
438155.77	3726041.21	0.12867	438142.25	3726048.11	0.12819

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437452.66	3726127.58	0.04788	437438.24	3726122.84	0.04671
437423.82	3726118.10	0.04557	437409.40	3726113.37	0.04448
437366.14	3726099.16	0.04111	437351.72	3726094.42	0.04010
437337.31	3726089.68	0.03910	437322.89	3726084.94	0.03812
437308.47	3726080.21	0.03716	437294.05	3726075.47	0.03621
437279.63	3726070.73	0.03529	437265.21	3726066.00	0.03437
437250.79	3726061.26	0.03349	437236.37	3726056.52	0.03261
437221.95	3726051.78	0.03172	437207.53	3726047.05	0.03085
438241.60	3726038.93	0.11768	438228.22	3726045.75	0.11811
438214.85	3726052.56	0.11851	438201.47	3726059.38	0.11889
438188.10	3726066.19	0.11901	438174.72	3726073.01	0.11890
437388.02	3726145.21	0.03978	437359.50	3726135.84	0.03797
437345.24	3726131.16	0.03714	437330.98	3726126.47	0.03634
437316.72	3726121.79	0.03552	437302.46	3726117.10	0.03469
437288.20	3726112.42	0.03385	437273.93	3726107.73	0.03307
437259.67	3726103.05	0.03232	437245.41	3726098.36	0.03158
437231.15	3726093.68	0.03085	437216.89	3726089.00	0.03010
437202.63	3726084.31	0.02933	437188.37	3726079.63	0.02862
437347.85	3726170.89	0.03535	437333.58	3726166.20	0.03463
437319.30	3726161.51	0.03394	437305.02	3726156.82	0.03324
437290.75	3726152.13	0.03254	437276.47	3726147.44	0.03187
437262.20	3726142.75	0.03121	437247.92	3726138.06	0.03052
437233.65	3726133.37	0.02985	437219.37	3726128.68	0.02919
437205.09	3726123.99	0.02853	437190.82	3726119.30	0.02792
437176.54	3726114.61	0.02736	437162.27	3726109.92	0.02679
437336.21	3726205.94	0.03340	437321.93	3726201.24	0.03267
437307.64	3726196.55	0.03199	437293.35	3726191.86	0.03134
437279.06	3726187.16	0.03074	437264.77	3726182.47	0.03019
437250.48	3726177.77	0.02967	437236.19	3726173.08	0.02912
437221.90	3726168.38	0.02854	437207.61	3726163.69	0.02799
437193.32	3726159.00	0.02741	437179.03	3726154.30	0.02680
437164.74	3726149.61	0.02626	437150.45	3726144.91	0.02583
437136.16	3726140.22	0.02539	437396.10	3726264.48	0.03517
437324.59	3726240.99	0.03179	437310.29	3726236.29	0.03098
437295.98	3726231.59	0.03024	437281.68	3726226.89	0.02956
437267.38	3726222.20	0.02898	437253.08	3726217.50	0.02852
437238.77	3726212.80	0.02820	437224.47	3726208.10	0.02787
437210.17	3726203.40	0.02742	437195.87	3726198.70	0.02691
437181.57	3726194.01	0.02635	437167.26	3726189.31	0.02579
437152.96	3726184.61	0.02529	437138.66	3726179.91	0.02483

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437124.36	3726175.21	0.02441	437110.05	3726170.51	0.02402
437095.75	3726165.81	0.02352	437413.16	3726308.96	0.03413
437398.85	3726304.26	0.03376	437384.54	3726299.56	0.03342
437370.22	3726294.85	0.03290	437355.91	3726290.15	0.03227
437341.60	3726285.45	0.03160	437327.28	3726280.75	0.03093
437312.97	3726276.04	0.03021	437298.65	3726271.34	0.02945
437284.34	3726266.64	0.02876	437270.03	3726261.94	0.02812
437255.71	3726257.24	0.02751	437241.40	3726252.53	0.02702
437227.08	3726247.83	0.02660	437212.77	3726243.13	0.02631
437198.46	3726238.43	0.02604	437184.14	3726233.72	0.02567
437169.83	3726229.02	0.02527	437155.52	3726224.32	0.02484
437141.20	3726219.62	0.02437	437126.89	3726214.91	0.02389
437112.57	3726210.21	0.02342	437098.26	3726205.51	0.02299
437083.95	3726200.81	0.02258	437069.63	3726196.11	0.02217
437743.55	3725409.23	9.18932	437750.64	3725402.77	9.21109
437753.68	3725416.69	7.24979	437757.44	3725395.75	9.10430
437762.63	3725405.96	7.43487	437763.45	3725416.51	6.48478
437759.92	3725427.41	5.90423	437764.13	3725388.50	8.81831
437769.66	3725399.39	7.21465	437773.30	3725416.10	5.79370
437769.54	3725427.72	5.33151	437770.75	3725381.14	8.38512
437776.51	3725392.49	6.93665	437782.28	3725403.83	5.79678
437783.20	3725415.56	5.17118	437777.35	3725373.71	7.89629
437783.27	3725385.38	6.59464	437789.20	3725397.05	5.55331
437785.04	3725439.85	4.05829	437783.92	3725366.25	7.36199
437789.97	3725378.16	6.21979	437796.02	3725390.07	5.27396
437798.92	3725427.01	3.93806	437794.79	3725439.72	3.71065
437790.48	3725358.75	6.80755	437796.63	3725370.85	5.82321
437802.77	3725382.96	4.97688	437812.97	3725413.62	3.67809
437808.79	3725426.53	3.55563	437804.60	3725439.44	3.38811
437800.41	3725452.35	3.19396	437797.03	3725351.24	6.27793
437803.26	3725363.49	5.41751	437809.48	3725375.75	4.67929
437821.92	3725400.25	3.53838	437822.92	3725412.92	3.29006
437818.68	3725425.99	3.21093	437814.44	3725439.06	3.09057
437810.20	3725452.14	2.94352	437805.96	3725465.21	2.77836
437803.58	3725343.71	5.75902	437809.86	3725356.09	5.01680
437816.15	3725368.47	4.37813	437828.72	3725393.22	3.34784
437832.86	3725412.20	2.94891	437828.58	3725425.41	2.90117
437824.30	3725438.61	2.81758	437820.02	3725451.82	2.70870
437815.74	3725465.02	2.58097	437816.65	3725328.63	4.76780
437823.03	3725341.20	4.26133	437829.41	3725353.76	3.79163

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437842.18	3725378.90	2.97328	437848.56	3725391.47	2.64927
437852.77	3725410.74	2.38411	437848.42	3725424.15	2.37598
437844.08	3725437.56	2.34194	437831.04	3725477.78	2.12517
437829.71	3725313.52	3.92279	437836.16	3725326.23	3.58904
437842.62	3725338.94	3.25390	437855.52	3725364.35	2.61621
437861.98	3725377.06	2.35520	437868.43	3725389.77	2.12505
437872.68	3725409.25	1.94584	437859.50	3725449.93	1.92772
437855.10	3725463.48	1.88781	437850.71	3725477.04	1.83395
437846.31	3725490.60	1.76539	437842.76	3725298.40	3.27316
437849.27	3725311.21	3.05067	437855.78	3725324.03	2.81134
437868.79	3725349.65	2.31385	437875.30	3725362.47	2.09732
437881.81	3725375.28	1.90433	437888.31	3725388.10	1.72833
437888.17	3725421.42	1.62553	437879.31	3725448.76	1.62998
437874.88	3725462.43	1.61258	437855.81	3725283.26	2.72820
437862.36	3725296.16	2.59417	437868.91	3725309.06	2.42538
437882.01	3725334.86	2.06583	437888.56	3725347.76	1.88261
437895.11	3725360.65	1.72444	437901.66	3725373.55	1.58300
437912.53	3725406.23	1.34501	437908.07	3725419.99	1.35945
437903.61	3725433.75	1.37313	437881.30	3725502.56	1.30767
437876.84	3725516.32	1.26781	437868.85	3725268.12	2.27790
437875.43	3725281.09	2.19459	437882.02	3725294.05	2.08745
437895.19	3725319.99	1.83972	437901.77	3725332.95	1.70882
437908.36	3725345.92	1.57923	437914.94	3725358.89	1.45906
437928.11	3725384.82	1.23709	437932.46	3725404.70	1.15279
437927.97	3725418.54	1.15795	437923.49	3725432.37	1.16593
437919.00	3725446.21	1.16995	437910.03	3725473.88	1.17649
437905.55	3725487.71	1.16507	437901.06	3725501.54	1.14603
437896.58	3725515.38	1.12031	437892.09	3725529.21	1.08882
437881.89	3725252.97	1.91009	437888.50	3725265.99	1.87077
437895.12	3725279.02	1.80211	437908.34	3725305.06	1.63033
437914.96	3725318.09	1.53608	437921.57	3725331.11	1.43844
437928.18	3725344.13	1.33947	437941.41	3725370.18	1.15475
437948.02	3725383.20	1.07294	437952.39	3725403.17	1.00417
437947.88	3725417.07	1.00655	437943.38	3725430.96	1.01427
437938.87	3725444.86	1.01877	437934.37	3725458.75	1.01955
437925.36	3725486.54	1.01344	437920.85	3725500.43	1.00362
437916.35	3725514.33	0.98909	437911.85	3725528.22	0.96945
437894.93	3725237.82	1.61576	437901.56	3725250.89	1.59700
437908.20	3725263.96	1.56206	437921.48	3725290.10	1.44389
437928.11	3725303.17	1.37406	437934.75	3725316.24	1.30055

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437941.39	3725329.31	1.22480	437954.66	3725355.45	1.07160
437961.30	3725368.52	1.00333	437967.94	3725381.59	0.94209
437972.32	3725401.64	0.88776	437967.80	3725415.58	0.88984
437963.27	3725429.53	0.89280	437958.75	3725443.47	0.89461
437954.23	3725457.41	0.89257	437949.71	3725471.36	0.88822
437940.67	3725499.25	0.88038	437936.15	3725513.19	0.87351
437931.63	3725527.14	0.86334	437907.96	3725222.66	1.37764
437914.62	3725235.77	1.37106	437921.28	3725248.88	1.35249
437934.59	3725275.10	1.27640	437941.25	3725288.21	1.22702
437947.91	3725301.32	1.17331	437954.57	3725314.43	1.11292
437967.88	3725340.66	0.98930	437974.54	3725353.77	0.93094
437981.20	3725366.88	0.87910	437987.86	3725379.99	0.82885
437992.25	3725400.09	0.78384	437987.71	3725414.08	0.78960
437983.18	3725428.07	0.79180	437978.64	3725442.06	0.79251
437974.11	3725456.05	0.78946	437969.57	3725470.03	0.78497
437965.04	3725484.02	0.78153	437955.97	3725512.00	0.77321
437951.44	3725525.99	0.76890	437946.90	3725539.97	0.76144
437927.67	3725220.64	1.18096	437934.35	3725233.79	1.17218
437947.70	3725260.08	1.12579	437954.37	3725273.23	1.09152
437961.05	3725286.37	1.05208	437967.72	3725299.52	1.00796
437981.08	3725325.81	0.90945	437987.75	3725338.96	0.86222
437994.43	3725352.10	0.81598	438001.10	3725365.25	0.77190
438007.78	3725378.39	0.72889	438012.18	3725398.55	0.69278
438007.63	3725412.58	0.70022	438003.09	3725426.60	0.70214
437998.54	3725440.63	0.70229	437993.99	3725454.65	0.70099
437989.45	3725468.68	0.69758	437984.90	3725482.70	0.69436
437980.35	3725496.73	0.69156	437971.26	3725524.78	0.68519
437966.71	3725538.80	0.68083	437962.17	3725552.83	0.67483
437912.05	3725196.12	1.19515	437959.85	3725243.19	0.99729
437972.81	3725268.72	0.94875	437979.30	3725281.48	0.91790
437992.26	3725307.01	0.84734	437998.74	3725319.77	0.81050
438005.22	3725332.54	0.77355	438011.71	3725345.30	0.73585
438018.19	3725358.07	0.69945	438024.67	3725370.83	0.66421
438031.15	3725383.59	0.63047	438032.19	3725396.79	0.61562
438027.77	3725410.40	0.61972	438023.36	3725424.02	0.62327
438018.94	3725437.64	0.62504	438014.53	3725451.26	0.62516
438010.11	3725464.88	0.62365	438005.70	3725478.49	0.62133
438001.28	3725492.11	0.61976	437996.87	3725505.73	0.61711
437988.04	3725532.97	0.61133	437983.62	3725546.58	0.60876
437979.21	3725560.20	0.60522	437974.79	3725573.82	0.60082

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437965.96	3725601.06	0.58689	438005.63	3725272.10	0.76369
438012.15	3725284.93	0.73910	438018.67	3725297.77	0.71289
438025.19	3725310.61	0.68568	438031.71	3725323.45	0.65799
438038.23	3725336.28	0.63016	438044.74	3725349.12	0.60263
438051.26	3725361.96	0.57509	438057.78	3725374.80	0.54709
438062.08	3725394.48	0.52230	438057.64	3725408.18	0.52543
438053.20	3725421.87	0.52748	438048.76	3725435.57	0.52924
438044.32	3725449.26	0.53096	438039.88	3725462.96	0.53239
438035.44	3725476.66	0.53245	438031.00	3725490.35	0.53057
438026.56	3725504.05	0.52821	438022.12	3725517.74	0.52702
438008.80	3725558.83	0.52105	438004.36	3725572.53	0.51971
437999.92	3725586.22	0.51815	438031.98	3725262.75	0.64444
438045.08	3725288.55	0.60548	438051.63	3725301.45	0.58345
438058.18	3725314.35	0.56103	438064.73	3725327.25	0.53866
438071.28	3725340.14	0.51855	438077.83	3725353.04	0.49846
438084.38	3725365.94	0.47651	438090.93	3725378.84	0.45548
438091.98	3725392.17	0.44745	438087.52	3725405.93	0.45080
438083.06	3725419.69	0.45331	438078.60	3725433.45	0.45431
438074.13	3725447.22	0.45507	438069.67	3725460.98	0.45677
438065.21	3725474.74	0.45801	438060.75	3725488.50	0.45832
438056.29	3725502.26	0.45761	438051.83	3725516.02	0.45690
438047.37	3725529.78	0.45605	438042.90	3725543.55	0.45530
438029.52	3725584.83	0.45305	438025.06	3725598.59	0.45173
438020.60	3725612.35	0.44946	438011.67	3725639.88	0.44123
438078.08	3725292.29	0.50095	438084.66	3725305.24	0.48451
438091.23	3725318.19	0.46764	438097.81	3725331.14	0.45069
438104.39	3725344.09	0.43322	438110.96	3725357.04	0.41593
438117.54	3725369.99	0.39911	438121.88	3725389.85	0.38518
438117.40	3725403.67	0.38922	438112.92	3725417.49	0.39237
438108.44	3725431.31	0.39358	438103.96	3725445.12	0.39424
438099.48	3725458.94	0.39662	438095.00	3725472.76	0.39884
438090.52	3725486.58	0.40033	438086.04	3725500.39	0.40105
438081.56	3725514.21	0.40074	438077.08	3725528.03	0.39968
438072.60	3725541.85	0.39850	438068.12	3725555.66	0.39755
438054.69	3725597.11	0.39830	438050.21	3725610.93	0.39733
438045.73	3725624.75	0.39535	438041.25	3725638.57	0.39232
438104.53	3725283.13	0.43472	438111.13	3725296.13	0.42237
438117.73	3725309.12	0.40804	438124.33	3725322.12	0.39363
438130.93	3725335.12	0.37926	438137.53	3725348.11	0.36511
438144.13	3725361.11	0.35157	438150.73	3725374.10	0.33822

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438151.78	3725387.54	0.33377	438147.28	3725401.40	0.33771
438142.79	3725415.27	0.34139	438138.29	3725429.13	0.34406
438133.80	3725443.00	0.34612	438129.30	3725456.86	0.34767
438124.81	3725470.73	0.34890	438120.31	3725484.59	0.35073
438115.82	3725498.46	0.35260	438111.32	3725512.33	0.35404
438106.83	3725526.19	0.35456	438102.33	3725540.06	0.35431
438097.84	3725553.92	0.35400	438093.34	3725567.79	0.35333
438088.85	3725581.65	0.35344	438075.36	3725623.25	0.35285
438070.87	3725637.12	0.35111	438066.37	3725650.98	0.34862
438057.38	3725678.71	0.34265	438137.60	3725287.01	0.36796
438144.22	3725300.04	0.35646	438150.84	3725313.08	0.34424
438157.46	3725326.12	0.33210	438164.08	3725339.15	0.32149
438170.70	3725352.19	0.31069	438177.32	3725365.22	0.29978
438181.68	3725385.21	0.29169	438177.17	3725399.12	0.29505
438172.66	3725413.03	0.29817	438168.15	3725426.94	0.30137
438163.65	3725440.84	0.30420	438159.14	3725454.75	0.30595
438154.63	3725468.66	0.30716	438150.12	3725482.57	0.30867
438145.61	3725496.48	0.31048	438141.10	3725510.38	0.31229
438136.59	3725524.29	0.31438	438132.08	3725538.20	0.31621
438127.57	3725552.11	0.31602	438123.07	3725566.01	0.31535
438118.56	3725579.92	0.31637	438114.05	3725593.83	0.31665
438109.54	3725607.74	0.31615	438100.52	3725635.55	0.31472
438096.01	3725649.46	0.31359	438091.50	3725663.37	0.31213
438087.00	3725677.28	0.31010	438082.49	3725691.18	0.30760
438170.70	3725290.96	0.31359	438177.34	3725304.03	0.30430
438183.97	3725317.10	0.29483	438190.61	3725330.17	0.28540
438197.25	3725343.24	0.27608	438203.89	3725356.31	0.26697
438210.52	3725369.38	0.25831	438211.58	3725382.89	0.25561
438207.06	3725396.83	0.25913	438202.54	3725410.78	0.26235
438198.02	3725424.72	0.26543	438193.50	3725438.67	0.26871
438188.98	3725452.61	0.27123	438184.46	3725466.56	0.27228
438179.94	3725480.50	0.27352	438175.42	3725494.45	0.27523
438170.90	3725508.39	0.27679	438166.37	3725522.34	0.27820
438161.85	3725536.28	0.27946	438157.33	3725550.23	0.28123
438152.81	3725564.17	0.28241	438148.29	3725578.12	0.28355
438143.77	3725592.06	0.28463	438139.25	3725606.01	0.28466
438134.73	3725619.95	0.28398	438121.17	3725661.79	0.28165
438223.79	3725334.27	0.24764	438230.45	3725347.37	0.23992
438237.10	3725360.47	0.23257	438241.49	3725380.56	0.22648
438236.95	3725394.54	0.22931	438232.42	3725408.52	0.23234

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438227.89	3725422.49	0.23495	438223.36	3725436.47	0.23704
438218.83	3725450.45	0.23911	438214.30	3725464.43	0.24113
438209.77	3725478.41	0.24296	438205.23	3725492.38	0.24512
438200.70	3725506.36	0.24694	438196.17	3725520.34	0.24829
438191.64	3725534.32	0.24954	438187.11	3725548.29	0.25124
438182.58	3725562.27	0.25285	438178.04	3725576.25	0.25395
438173.51	3725590.23	0.25486	438168.98	3725604.21	0.25555
438164.45	3725618.18	0.25574	438159.92	3725632.16	0.25568
438155.39	3725646.14	0.25554	438132.73	3725716.03	0.25218
438128.20	3725730.01	0.24986	438271.39	3725378.23	0.20232
438266.85	3725392.24	0.20465	438262.31	3725406.25	0.20726
438257.77	3725420.25	0.20961	438253.23	3725434.26	0.21144
438248.68	3725448.27	0.21321	438244.14	3725462.28	0.21492
438239.60	3725476.28	0.21659	438235.06	3725490.29	0.21882
438230.52	3725504.30	0.22098	438225.98	3725518.30	0.22253
438221.44	3725532.31	0.22393	438216.90	3725546.32	0.22514
438212.36	3725560.33	0.22636	438207.82	3725574.33	0.22768
438203.27	3725588.34	0.22882	438198.73	3725602.35	0.22974
438194.19	3725616.35	0.23063	438189.65	3725630.36	0.23128
438185.11	3725644.37	0.23165	438180.57	3725658.38	0.23174
438166.95	3725700.40	0.23094	438162.40	3725714.40	0.22980
438157.86	3725728.41	0.22870	438153.32	3725742.42	0.22736
438148.78	3725756.43	0.22564	438292.19	3725403.97	0.18600
438287.64	3725418.00	0.18813	438283.10	3725432.04	0.18972
438278.55	3725446.07	0.19126	438274.00	3725460.10	0.19321
438269.45	3725474.14	0.19495	438264.90	3725488.17	0.19649
438260.35	3725502.20	0.19812	438255.80	3725516.24	0.19964
438251.25	3725530.27	0.20091	438246.70	3725544.30	0.20237
438242.15	3725558.34	0.20391	438237.60	3725572.37	0.20528
438233.05	3725586.41	0.20661	438228.50	3725600.44	0.20777
438223.95	3725614.47	0.20878	438219.40	3725628.51	0.20975
438214.85	3725642.54	0.21042	438210.30	3725656.57	0.21088
438205.75	3725670.61	0.21110	438201.20	3725684.64	0.21105
438192.10	3725712.71	0.21095	438187.55	3725726.74	0.21025
438183.00	3725740.77	0.20919	438178.46	3725754.81	0.20797
438173.91	3725768.84	0.20659	438313.29	3725428.80	0.17111
438308.81	3725442.63	0.17240	438304.32	3725456.46	0.17406
438299.84	3725470.30	0.17581	438295.35	3725484.13	0.17725
438290.87	3725497.97	0.17847	438286.38	3725511.80	0.17987
438281.90	3725525.64	0.18151	438277.41	3725539.47	0.18294

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438272.93	3725553.30	0.18400	438268.44	3725567.14	0.18519
438263.96	3725580.97	0.18664	438259.47	3725594.81	0.18802
438254.99	3725608.64	0.18888	438250.50	3725622.48	0.18960
438246.02	3725636.31	0.19051	438241.53	3725650.14	0.19140
438237.05	3725663.98	0.19211	438232.57	3725677.81	0.19264
438228.08	3725691.65	0.19296	438223.60	3725705.48	0.19306
438214.63	3725733.15	0.19257	438210.14	3725746.98	0.19196
438205.66	3725760.82	0.19110	438201.17	3725774.65	0.19000
438196.69	3725788.49	0.18865	438344.12	3725453.61	0.15361
438339.62	3725467.48	0.15511	438335.12	3725481.36	0.15630
438330.62	3725495.23	0.15719	438326.12	3725509.11	0.15814
438321.62	3725522.99	0.15929	438317.13	3725536.86	0.16052
438312.63	3725550.74	0.16150	438308.13	3725564.61	0.16247
438303.63	3725578.49	0.16376	438299.13	3725592.36	0.16506
438294.63	3725606.24	0.16601	438290.14	3725620.11	0.16680
438285.64	3725633.99	0.16773	438281.14	3725647.87	0.16874
438276.64	3725661.74	0.16964	438272.14	3725675.62	0.17041
438267.64	3725689.49	0.17104	438263.14	3725703.37	0.17152
438258.65	3725717.24	0.17183	438254.15	3725731.12	0.17196
438240.65	3725772.75	0.17122	438236.15	3725786.62	0.17058
438231.66	3725800.50	0.16973	438227.16	3725814.37	0.16864
438374.90	3725478.55	0.13832	438370.39	3725492.46	0.13922
438365.87	3725506.37	0.14010	438361.36	3725520.28	0.14099
438356.85	3725534.20	0.14187	438352.34	3725548.11	0.14275
438347.83	3725562.02	0.14362	438343.32	3725575.93	0.14447
438338.81	3725589.84	0.14533	438334.30	3725603.76	0.14641
438329.79	3725617.67	0.14750	438325.28	3725631.58	0.14844
438320.77	3725645.49	0.14937	438316.26	3725659.40	0.15034
438311.75	3725673.32	0.15132	438307.24	3725687.23	0.15215
438302.73	3725701.14	0.15283	438298.22	3725715.05	0.15340
438293.71	3725728.97	0.15370	438289.20	3725742.88	0.15394
438284.69	3725756.79	0.15418	438271.16	3725798.53	0.15348
438266.65	3725812.44	0.15292	438262.14	3725826.35	0.15219
438257.63	3725840.26	0.15125	438401.12	3725517.53	0.12522
438396.60	3725531.48	0.12580	438392.08	3725545.42	0.12658
438387.56	3725559.37	0.12745	438383.04	3725573.31	0.12831
438378.52	3725587.26	0.12918	438374.00	3725601.20	0.13004
438369.47	3725615.15	0.13087	438364.95	3725629.09	0.13174
438360.43	3725643.04	0.13271	438355.91	3725656.98	0.13357
438351.39	3725670.93	0.13436	438346.87	3725684.87	0.13518

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438342.35	3725698.82	0.13603	438337.83	3725712.76	0.13682
438333.31	3725726.71	0.13747	438328.79	3725740.65	0.13795
438324.27	3725754.60	0.13832	438319.75	3725768.54	0.13861
438315.22	3725782.49	0.13879	438288.10	3725866.16	0.13657
438431.83	3725542.70	0.11289	438427.30	3725556.67	0.11382
438422.77	3725570.65	0.11466	438418.24	3725584.62	0.11535
438413.71	3725598.59	0.11606	438409.18	3725612.57	0.11692
438404.65	3725626.54	0.11784	438400.12	3725640.52	0.11859
438395.58	3725654.49	0.11932	438391.05	3725668.47	0.12018
438386.52	3725682.44	0.12095	438381.99	3725696.41	0.12172
438377.46	3725710.39	0.12247	438372.93	3725724.36	0.12316
438368.40	3725738.34	0.12380	438363.87	3725752.31	0.12443
438359.34	3725766.29	0.12497	438354.81	3725780.26	0.12542
438350.28	3725794.24	0.12578	438345.75	3725808.21	0.12604
438332.16	3725850.13	0.12560	438327.63	3725864.11	0.12510
438323.10	3725878.08	0.12442	438318.57	3725892.06	0.12363
438457.97	3725581.93	0.10395	438453.43	3725595.94	0.10457
438448.89	3725609.94	0.10519	438444.36	3725623.94	0.10581
438439.82	3725637.94	0.10661	438435.28	3725651.94	0.10743
438430.74	3725665.94	0.10810	438426.20	3725679.94	0.10874
438421.66	3725693.94	0.10949	438417.12	3725707.94	0.11030
438412.58	3725721.94	0.11107	438408.04	3725735.94	0.11181
438403.50	3725749.95	0.11249	438398.97	3725763.95	0.11310
438394.43	3725777.95	0.11360	438389.89	3725791.95	0.11403
438385.35	3725805.95	0.11439	438380.81	3725819.95	0.11459
438376.27	3725833.95	0.11477	438362.65	3725875.95	0.11387
438358.11	3725889.95	0.11334	438353.58	3725903.96	0.11286
438488.63	3725607.26	0.09529	438484.08	3725621.28	0.09586
438479.53	3725635.31	0.09654	438474.99	3725649.33	0.09728
438470.44	3725663.36	0.09794	438465.89	3725677.38	0.09850
438461.35	3725691.41	0.09912	438456.80	3725705.43	0.09984
438452.25	3725719.46	0.10053	438447.71	3725733.48	0.10119
438443.16	3725747.51	0.10183	438438.61	3725761.53	0.10238
438434.07	3725775.56	0.10294	438429.52	3725789.58	0.10350
438424.97	3725803.61	0.10401	438420.42	3725817.63	0.10433
438311.74	3724752.18	0.05983	438318.43	3724765.35	0.06179
438325.11	3724778.52	0.06370	438331.80	3724791.68	0.06550
438519.26	3725632.64	0.08785	438514.71	3725646.68	0.08852
438510.16	3725660.73	0.08915	438505.60	3725674.78	0.08967
438501.05	3725688.82	0.09022	438496.50	3725702.87	0.09088

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438491.94	3725716.92	0.09153	438487.39	3725730.96	0.09204
438482.83	3725745.01	0.09258	438478.28	3725759.06	0.09317
438302.79	3724740.79	0.05813	438337.76	3724721.77	0.05448
438344.39	3724734.82	0.05621	438351.01	3724747.87	0.05786
438357.64	3724760.91	0.05949	438364.27	3724773.96	0.06103
438370.89	3724787.01	0.06249	438377.52	3724800.06	0.06404
438384.14	3724813.11	0.06531	438390.77	3724826.15	0.06667
438417.27	3724878.34	0.07395	438423.90	3724891.39	0.07582
438430.53	3724904.44	0.07765	438437.15	3724917.49	0.07941
438443.78	3724930.54	0.08115	438450.40	3724943.58	0.08265
438546.44	3725668.68	0.08186	438541.93	3725682.60	0.08234
438537.42	3725696.52	0.08291	438370.45	3724704.50	0.05135
438377.09	3724717.57	0.05285	438383.73	3724730.64	0.05434
438390.37	3724743.71	0.05580	438397.00	3724756.78	0.05724
438403.64	3724769.85	0.05865	438410.28	3724782.92	0.06004
438416.92	3724795.99	0.06111	438423.55	3724809.06	0.06206
438430.19	3724822.13	0.06326	438436.83	3724835.20	0.06478
438443.47	3724848.27	0.06627	438450.11	3724861.34	0.06803
438456.74	3724874.41	0.06977	438463.38	3724887.49	0.07145
438470.02	3724900.56	0.07320	438396.52	3724674.17	0.04721
438403.17	3724687.26	0.04851	438409.82	3724700.36	0.04979
438416.46	3724713.45	0.05111	438423.11	3724726.54	0.05240
438429.76	3724739.63	0.05367	438436.41	3724752.72	0.05491
438443.06	3724765.81	0.05613	438449.71	3724778.91	0.05730
438456.35	3724792.00	0.05837	438463.00	3724805.09	0.05945
438469.65	3724818.18	0.06057	438476.30	3724831.27	0.06189
438482.95	3724844.36	0.06326	438489.59	3724857.45	0.06481
438496.24	3724870.55	0.06627	437835.23	3725488.94	1.92725
437840.76	3725481.72	1.93037	437882.86	3725525.43	1.17161
437898.73	3725537.59	1.01185	438198.68	3725721.59	0.20467
438222.49	3725739.84	0.18680	438280.47	3725795.71	0.15022
437841.17	3725401.38	2.79945	437860.69	3725405.49	2.22604
437899.80	3725413.59	1.48427	437916.01	3725425.02	1.25551
437922.73	3725410.18	1.22500	437926.03	3725393.66	1.23578
437938.95	3725421.59	1.06389	437932.15	3725436.59	1.08609
437955.11	3725433.13	0.93395	437948.26	3725448.25	0.94812
437964.32	3725459.99	0.83157	437980.36	3725471.79	0.73093
437991.37	3725494.71	0.65202	438037.11	3725440.96	0.55956
438030.52	3725455.51	0.56691	438023.92	3725470.07	0.57236
438017.33	3725484.62	0.57630	438010.73	3725499.17	0.57957

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438004.14	3725513.72	0.58336	438042.06	3725425.43	0.55704
438062.98	3725454.68	0.47699	438056.13	3725469.80	0.48332
438049.27	3725484.92	0.48832	438042.42	3725500.03	0.49134
438035.57	3725515.15	0.49484	438028.72	3725530.27	0.49836
438018.45	3725552.95	0.50304	438073.13	3725423.04	0.47480
438085.79	3725475.13	0.41491	438079.07	3725489.97	0.41950
438072.34	3725504.81	0.42302	438065.61	3725519.65	0.42591
438058.89	3725534.50	0.42868	438052.16	3725549.34	0.43201
438038.71	3725579.03	0.43849	438111.31	3725489.60	0.36330
438104.38	3725504.92	0.36846	438097.44	3725520.23	0.37175
438090.50	3725535.54	0.37375	438083.56	3725550.86	0.37611
438076.62	3725566.17	0.37771	438127.38	3725524.95	0.32671
438120.55	3725540.01	0.32999	438113.73	3725555.07	0.33200
438106.91	3725570.13	0.33428	438100.08	3725585.19	0.33676
438147.14	3725552.13	0.29225	438140.42	3725566.97	0.29494
438133.69	3725581.81	0.29854	438126.97	3725596.66	0.30164
438120.24	3725611.50	0.30275	438178.98	3725552.68	0.25821
438172.08	3725567.90	0.26175	438165.18	3725583.12	0.26491
438158.28	3725598.35	0.26787	438151.38	3725613.57	0.26960
438144.48	3725628.79	0.27099	438198.70	3725579.96	0.23434
438191.89	3725594.98	0.23680	438185.08	3725610.00	0.23950
438178.28	3725625.02	0.24172	438171.47	3725640.04	0.24362
438164.66	3725655.06	0.24510	438225.31	3725592.02	0.21130
438218.59	3725606.87	0.21387	438211.86	3725621.71	0.21624
438205.13	3725636.55	0.21837	438198.41	3725651.39	0.22019
438191.68	3725666.24	0.22169	438275.76	3725480.70	0.19011
438301.74	3725494.16	0.17238	438236.47	3725638.20	0.19642
438229.60	3725653.36	0.19859	438222.73	3725668.52	0.20050
438215.86	3725683.69	0.20200	438306.83	3725478.32	0.17105
438293.83	3725582.41	0.16875	438287.04	3725597.40	0.17120
438280.24	3725612.40	0.17318	438273.45	3725627.39	0.17511
438266.65	3725642.38	0.17733	438259.86	3725657.38	0.17940
438253.07	3725672.37	0.18130	438246.27	3725687.36	0.18299
438239.48	3725702.35	0.18443	438319.16	3725620.92	0.15217
438312.32	3725636.00	0.15414	438305.49	3725651.07	0.15617
438298.66	3725666.15	0.15808	438291.83	3725681.23	0.15988
438284.99	3725696.31	0.16154	438278.16	3725711.39	0.16302
438271.33	3725726.47	0.16431	438264.49	3725741.55	0.16538
438351.24	3725644.52	0.13625	438344.37	3725659.67	0.13790
438337.50	3725674.83	0.13970	438330.63	3725689.98	0.14151

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438323.77	3725705.14	0.14322	438316.90	3725720.29	0.14476
438310.03	3725735.45	0.14588	438303.16	3725750.60	0.14695
438296.30	3725765.76	0.14807	438386.73	3725660.58	0.12206
438379.84	3725675.81	0.12358	438372.94	3725691.03	0.12501
438366.04	3725706.25	0.12658	438359.14	3725721.48	0.12812
438352.24	3725736.70	0.12958	438345.34	3725751.93	0.13094
438338.44	3725767.15	0.13215	438331.54	3725782.37	0.13312
438467.25	3725577.29	0.10163	438411.84	3725699.58	0.11221
438404.91	3725714.86	0.11369	438397.99	3725730.15	0.11509
438391.06	3725745.43	0.11636	438384.13	3725760.72	0.11755
438377.21	3725776.01	0.11865	438370.28	3725791.29	0.11966
438363.35	3725806.58	0.12064	438492.48	3725616.01	0.09410
438443.82	3725723.40	0.10249	438436.87	3725738.74	0.10371
438429.92	3725754.08	0.10489	438422.96	3725769.43	0.10611
438416.01	3725784.77	0.10726	438409.06	3725800.11	0.10834
438402.11	3725815.45	0.10922	438395.15	3725830.79	0.10992
438474.41	3725750.28	0.09432	438467.59	3725765.34	0.09533
438460.77	3725780.40	0.09627	437812.90	3725342.69	4.96367
437869.33	3725369.35	2.20758	437910.19	3725367.35	1.49131
437951.05	3725365.36	1.08415	437966.62	3725394.01	0.93171
437970.79	3725368.59	0.94045	438044.64	3725412.07	0.56016
438046.95	3725398.49	0.56448	438049.73	3725381.54	0.56834
438075.17	3725411.82	0.47720	438077.95	3725394.87	0.47969
438103.66	3725422.80	0.40730	438106.16	3725408.20	0.40950
438108.94	3725391.26	0.41069	438137.16	3725404.59	0.35356
438168.15	3725400.97	0.30680	437833.41	3725344.43	3.65127
437889.05	3725368.72	1.79294	438007.44	3725390.39	0.72011
437916.95	3725342.60	1.47498	437957.74	3725345.41	1.06099
437979.30	3725342.74	0.91021	438013.11	3725370.02	0.71227
438034.67	3725367.35	0.62933	438058.56	3725356.53	0.55454
438113.93	3725381.14	0.40362	438142.78	3725389.37	0.34790
437863.61	3725276.91	2.46452	437899.21	3725260.63	1.67466
437918.14	3725263.26	1.43558	437996.16	3725295.49	0.82436
438016.21	3725308.76	0.72529	438017.18	3725317.96	0.72068
438018.15	3725327.16	0.71496	438019.12	3725336.36	0.70706
438032.65	3725287.72	0.65231	438033.60	3725296.77	0.65037
438034.56	3725305.81	0.64749	438035.51	3725314.86	0.64379
438055.74	3725329.78	0.56787	438056.68	3725338.69	0.56386
438083.58	3725328.43	0.48568	438084.53	3725337.51	0.48247
438085.49	3725346.59	0.47876	438086.45	3725355.67	0.47464

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438110.62	3725319.48	0.42259	438111.56	3725328.40	0.41958
438113.44	3725346.23	0.41278	438137.47	3725308.76	0.36879
438138.42	3725317.82	0.36641	438139.38	3725326.88	0.36384
438140.33	3725335.93	0.36135	438164.28	3725297.65	0.32303
438165.25	3725306.83	0.32133	438166.21	3725316.01	0.31947
438167.18	3725325.19	0.31738	438172.99	3725380.26	0.30393
438194.23	3725316.33	0.28183	438199.95	3725370.55	0.27028
438200.90	3725379.59	0.26828	438201.85	3725388.63	0.26612
438226.83	3725360.17	0.24236	438227.80	3725369.31	0.24043
438228.76	3725378.46	0.23845	438229.73	3725387.60	0.23648
438254.80	3725359.99	0.21710	438255.75	3725369.01	0.21548
438256.70	3725378.03	0.21382	438257.65	3725387.05	0.21216
438258.60	3725396.07	0.21085	438285.51	3725385.87	0.19146
438286.47	3725394.99	0.19033	438472.37	3724891.05	0.07140
438507.71	3724872.30	0.06561	438503.36	3724864.11	0.06480
438499.02	3724855.92	0.06395	438494.67	3724847.74	0.06306
438534.35	3724837.17	0.05929	438530.00	3724828.98	0.05859
438565.34	3724810.23	0.05420	438160.56	3724648.18	0.04162
438152.81	3724642.85	0.04061	438145.05	3724637.52	0.03955
438137.30	3724632.18	0.03850	438129.54	3724626.85	0.03745
438121.79	3724621.52	0.03642	438114.03	3724616.19	0.03537
438106.28	3724610.86	0.03430	438098.52	3724605.53	0.03322
438189.40	3724622.14	0.03909	438195.57	3724629.06	0.04011
438201.75	3724635.99	0.04117	438207.92	3724642.91	0.04225
438214.09	3724649.83	0.04336	438220.27	3724656.76	0.04449
438226.44	3724663.68	0.04561	438232.62	3724670.61	0.04665
438238.79	3724677.53	0.04774	438244.96	3724684.45	0.04894
438251.14	3724691.38	0.05020	438257.31	3724698.30	0.05136
438263.48	3724705.22	0.05255	438269.66	3724712.15	0.05372
438275.83	3724719.07	0.05486	438282.01	3724725.99	0.05597
438288.18	3724732.92	0.05707	438343.74	3724795.23	0.06533
438349.92	3724802.15	0.06603	438356.09	3724809.08	0.06676
438183.22	3724615.22	0.03807	438175.47	3724609.89	0.03718
438167.71	3724604.55	0.03625	438159.96	3724599.22	0.03527
438152.20	3724593.89	0.03429	438144.45	3724588.56	0.03332
438136.69	3724583.23	0.03236	438128.94	3724577.90	0.03143
438121.18	3724572.57	0.03049	438212.07	3724589.19	0.03585
438218.25	3724596.12	0.03679	438224.43	3724603.05	0.03776
438230.61	3724609.98	0.03872	438236.79	3724616.92	0.03968
438242.98	3724623.85	0.04064	438249.16	3724630.78	0.04160

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438255.34	3724637.71	0.04257	438261.52	3724644.65	0.04357
438267.70	3724651.58	0.04456	438273.88	3724658.51	0.04555
438280.07	3724665.44	0.04654	438286.25	3724672.38	0.04757
438292.43	3724679.31	0.04859	438298.61	3724686.24	0.04959
438317.16	3724707.04	0.05251	438366.61	3724762.50	0.05934
438372.79	3724769.43	0.06000	438378.97	3724776.36	0.06066
438385.16	3724783.30	0.06132	438391.34	3724790.23	0.06190
438397.52	3724797.16	0.06232	438403.70	3724804.09	0.06269
438409.88	3724811.03	0.06307	438416.06	3724817.96	0.06351
438428.43	3724831.82	0.06480	438205.89	3724582.25	0.03492
438198.13	3724576.92	0.03413	438190.38	3724571.59	0.03332
438182.62	3724566.26	0.03244	438174.87	3724560.93	0.03157
438167.11	3724555.60	0.03072	438159.36	3724550.27	0.02988
438151.60	3724544.94	0.02903	438143.85	3724539.60	0.02817
438234.73	3724556.23	0.03299	438240.92	3724563.17	0.03384
438247.11	3724570.11	0.03469	438253.30	3724577.05	0.03555
438259.49	3724583.99	0.03643	438265.68	3724590.94	0.03729
438271.87	3724597.88	0.03813	438278.06	3724604.82	0.03894
438284.25	3724611.76	0.03983	438290.43	3724618.70	0.04072
438296.62	3724625.64	0.04160	438302.81	3724632.58	0.04247
438309.00	3724639.52	0.04335	438315.19	3724646.46	0.04426
438321.38	3724653.40	0.04517	438327.57	3724660.34	0.04605
438333.76	3724667.28	0.04691	438339.95	3724674.22	0.04776
438401.84	3724743.63	0.05532	438408.02	3724750.57	0.05594
438414.21	3724757.51	0.05653	438420.40	3724764.45	0.05712
438426.59	3724771.39	0.05770	438432.78	3724778.33	0.05825
438438.97	3724785.27	0.05873	438445.16	3724792.21	0.05908
438228.55	3724549.29	0.03214	438220.79	3724543.96	0.03138
438213.04	3724538.63	0.03063	438205.28	3724533.30	0.02989
438197.53	3724527.97	0.02915	438189.77	3724522.64	0.02841
438182.02	3724517.30	0.02765	438174.26	3724511.97	0.02690
438166.51	3724506.64	0.02616	438257.40	3724523.28	0.03063
438263.60	3724530.23	0.03140	438269.79	3724537.17	0.03216
438275.99	3724544.12	0.03290	438282.18	3724551.07	0.03367
438288.38	3724558.02	0.03445	438294.57	3724564.96	0.03523
438300.77	3724571.91	0.03602	438306.97	3724578.86	0.03680
438313.16	3724585.81	0.03758	438319.36	3724592.76	0.03838
438325.55	3724599.70	0.03920	438331.75	3724606.65	0.04004
438337.94	3724613.60	0.04082	438344.14	3724620.55	0.04156
438350.33	3724627.50	0.04232	438356.53	3724634.44	0.04311

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438418.48	3724703.92	0.04995	438430.88	3724717.82	0.05112
438437.07	3724724.77	0.05168	438443.27	3724731.71	0.05221
438449.46	3724738.66	0.05273	438455.66	3724745.61	0.05322
438461.85	3724752.56	0.05370	438468.05	3724759.51	0.05418
438474.24	3724766.45	0.05463	438480.44	3724773.40	0.05505
438486.63	3724780.35	0.05546	438492.83	3724787.30	0.05587
438499.03	3724794.25	0.05632	438505.22	3724801.19	0.05676
438511.42	3724808.14	0.05719	438517.61	3724815.09	0.05761
438523.81	3724822.04	0.05811	438251.21	3724516.33	0.02984
438243.45	3724511.00	0.02915	438235.70	3724505.67	0.02845
438227.94	3724500.34	0.02775	438220.19	3724495.00	0.02704
438212.43	3724489.67	0.02638	438204.68	3724484.34	0.02571
438196.92	3724479.01	0.02506	438189.17	3724473.68	0.02440
438466.11	3724698.96	0.04794	438472.31	3724705.91	0.04843
438478.52	3724712.87	0.04890	438484.72	3724719.82	0.04935
438490.92	3724726.78	0.04979	438497.12	3724733.73	0.05027
438503.32	3724740.69	0.05074	438509.52	3724747.64	0.05120
438515.72	3724754.60	0.05166	438521.93	3724761.55	0.05206
438528.13	3724768.51	0.05242	438534.33	3724775.46	0.05279
438540.53	3724782.42	0.05316	438546.73	3724789.37	0.05354
438552.93	3724796.32	0.05383	438559.13	3724803.28	0.05403
438211.83	3724440.72	0.02300	438302.73	3724457.37	0.02572
438308.94	3724464.33	0.02632	438315.15	3724471.29	0.02692
438321.35	3724478.25	0.02753	438327.56	3724485.21	0.02813
438333.77	3724492.17	0.02872	438339.97	3724499.13	0.02931
438346.18	3724506.09	0.02995	438352.39	3724513.05	0.03058
438358.60	3724520.01	0.03121	438364.80	3724526.97	0.03183
438371.01	3724533.93	0.03244	438377.22	3724540.90	0.03308
438383.42	3724547.86	0.03372	438389.63	3724554.82	0.03438
438395.84	3724561.78	0.03504	438402.04	3724568.74	0.03569
438408.25	3724575.70	0.03631	438414.46	3724582.66	0.03696
438420.67	3724589.62	0.03763	438426.87	3724596.58	0.03831
438433.08	3724603.54	0.03898	438439.29	3724610.50	0.03957
438445.49	3724617.46	0.04017	438451.70	3724624.42	0.04079
438296.53	3724450.40	0.02515	438288.77	3724445.07	0.02471
438281.02	3724439.74	0.02427	438273.26	3724434.41	0.02379
438325.40	3724424.41	0.02335	438331.61	3724431.38	0.02387
438337.82	3724438.34	0.02439	438344.03	3724445.31	0.02493
438350.25	3724452.27	0.02548	438356.46	3724459.24	0.02604
438362.67	3724466.21	0.02659	438368.88	3724473.17	0.02715

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438375.09	3724480.14	0.02771	438381.31	3724487.11	0.02828
438387.52	3724494.07	0.02885	438393.73	3724501.04	0.02941
438399.94	3724508.01	0.02998	438406.16	3724514.97	0.03053
438412.37	3724521.94	0.03109	438418.58	3724528.91	0.03165
438424.79	3724535.87	0.03222	438431.00	3724542.84	0.03280
438437.22	3724549.81	0.03333	438443.43	3724556.77	0.03387
438449.64	3724563.74	0.03443	438455.85	3724570.70	0.03500
438462.06	3724577.67	0.03556	438468.28	3724584.64	0.03609
438474.49	3724591.60	0.03661	438480.70	3724598.57	0.03711
438486.91	3724605.54	0.03759	438493.12	3724612.50	0.03809
438319.19	3724417.44	0.02283	438311.43	3724412.11	0.02241
438303.68	3724406.78	0.02200	438295.92	3724401.45	0.02159
438288.17	3724396.12	0.02118	438280.41	3724390.79	0.02075
438272.66	3724385.46	0.02034	438264.90	3724380.12	0.01992
438257.15	3724374.79	0.01951	438089.20	3724598.65	0.03192
438112.54	3724566.16	0.02939	438098.24	3724555.89	0.02762
438083.93	3724545.61	0.02576	438135.87	3724533.67	0.02726
438121.57	3724523.40	0.02570	438107.27	3724513.12	0.02419
438159.21	3724501.18	0.02543	438144.90	3724490.91	0.02406
438130.60	3724480.64	0.02276	438175.39	3724463.56	0.02322
438161.09	3724453.28	0.02203	438146.79	3724443.01	0.02086
438198.72	3724431.07	0.02197	438184.42	3724420.79	0.02087
438170.12	3724410.52	0.01978	438245.39	3724366.09	0.01883
438231.09	3724355.82	0.01805	438216.79	3724345.54	0.01727
437513.60	3724656.10	0.01176	437530.16	3724649.27	0.01139
437546.71	3724642.44	0.01110	437563.27	3724635.61	0.01090
437647.63	3724631.11	0.01068	437664.82	3724636.14	0.01148
437456.75	3724648.95	0.01214	437473.01	3724642.24	0.01159
437489.27	3724635.53	0.01110	437505.52	3724628.82	0.01069
437521.78	3724622.11	0.01035	437538.04	3724615.40	0.01008
437554.29	3724608.70	0.00988	437611.50	3724591.04	0.00888
437628.38	3724595.98	0.00911	437645.26	3724600.92	0.00944
437662.14	3724605.86	0.01009	437679.01	3724610.80	0.01097
437695.89	3724615.74	0.01189	437712.77	3724620.68	0.01292
437388.89	3724646.33	0.01334	437405.24	3724639.59	0.01267
437421.59	3724632.84	0.01203	437437.95	3724626.09	0.01144
437454.30	3724619.34	0.01090	437470.65	3724612.60	0.01042
437487.00	3724605.85	0.01000	437503.35	3724599.10	0.00965
437519.70	3724592.35	0.00936	437536.06	3724585.60	0.00913
437585.11	3724565.36	0.00799	437609.95	3724561.10	0.00789

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437626.93	3724566.07	0.00823	437643.91	3724571.04	0.00860
437660.88	3724576.01	0.00915	437677.86	3724580.98	0.00992
437694.84	3724585.95	0.01075	437711.81	3724590.92	0.01168
437728.79	3724595.89	0.01274	437745.77	3724600.85	0.01397
437762.74	3724605.82	0.01536	437779.72	3724610.79	0.01692
437796.70	3724615.76	0.01873	437813.68	3724620.73	0.02080
437362.23	3724616.51	0.01244	437378.58	3724609.77	0.01183
437394.94	3724603.02	0.01125	437411.29	3724596.27	0.01070
437427.64	3724589.52	0.01019	437443.99	3724582.77	0.00973
437460.34	3724576.03	0.00931	437476.69	3724569.28	0.00894
437493.05	3724562.53	0.00863	437509.40	3724555.78	0.00836
437558.45	3724535.54	0.00761	437574.80	3724528.79	0.00709
437591.16	3724522.04	0.00683	437607.82	3724521.15	0.00696
437624.80	3724526.12	0.00725	437641.77	3724531.09	0.00764
437658.75	3724536.06	0.00813	437675.73	3724541.03	0.00873
437692.71	3724546.00	0.00942	437709.68	3724550.97	0.01023
437726.66	3724555.94	0.01104	437743.64	3724560.91	0.01197
437760.61	3724565.88	0.01306	437777.59	3724570.85	0.01421
437794.57	3724575.82	0.01542	437811.54	3724580.79	0.01688
437828.52	3724585.76	0.01851	437335.57	3724586.69	0.01166
437351.92	3724579.94	0.01111	437368.28	3724573.20	0.01058
437384.63	3724566.45	0.01007	437400.98	3724559.70	0.00960
437417.33	3724552.95	0.00916	437433.68	3724546.20	0.00875
437450.04	3724539.46	0.00839	437466.39	3724532.71	0.00806
437482.74	3724525.96	0.00778	437580.85	3724485.47	0.00639
437605.69	3724481.21	0.00639	437622.67	3724486.18	0.00661
437639.64	3724491.15	0.00691	437656.62	3724496.12	0.00729
437673.60	3724501.09	0.00778	437690.57	3724506.06	0.00836
437707.55	3724511.03	0.00904	437724.53	3724516.00	0.00977
437741.51	3724520.97	0.01054	437758.48	3724525.94	0.01133
437775.46	3724530.91	0.01223	437210.80	3724597.36	0.01388
437227.16	3724590.61	0.01344	437243.51	3724583.86	0.01297
437259.86	3724577.11	0.01249	437276.21	3724570.37	0.01199
437292.56	3724563.62	0.01149	437308.91	3724556.87	0.01099
437325.27	3724550.12	0.01049	437341.62	3724543.38	0.01000
437357.97	3724536.63	0.00954	437374.32	3724529.88	0.00909
437390.67	3724523.13	0.00868	437407.03	3724516.38	0.00829
437423.38	3724509.64	0.00793	437439.73	3724502.89	0.00761
437570.54	3724448.90	0.00579	437586.89	3724442.16	0.00572
437603.56	3724441.27	0.00583	437620.54	3724446.24	0.00606

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437637.51	3724451.21	0.00633	437654.49	3724456.18	0.00665
437671.47	3724461.15	0.00703	437688.44	3724466.12	0.00749
437705.42	3724471.09	0.00805	437722.40	3724476.06	0.00860
437739.37	3724481.03	0.00921	437841.24	3724510.84	0.01353
437858.21	3724515.81	0.01450	437200.50	3724560.79	0.01257
437216.85	3724554.04	0.01216	437233.20	3724547.29	0.01173
437249.55	3724540.55	0.01129	437265.90	3724533.80	0.01084
437282.26	3724527.05	0.01039	437298.61	3724520.30	0.00994
437314.96	3724513.55	0.00950	437331.31	3724506.81	0.00907
437347.66	3724500.06	0.00866	437364.01	3724493.31	0.00826
437380.37	3724486.56	0.00790	437396.72	3724479.81	0.00755
437413.07	3724473.07	0.00724	437511.18	3724432.58	0.00552
437527.53	3724425.83	0.00535	437543.88	3724419.08	0.00526
437560.24	3724412.34	0.00520	437576.59	3724405.59	0.00519
437601.43	3724401.32	0.00531	437618.40	3724406.29	0.00552
437635.38	3724411.26	0.00575	437652.36	3724416.23	0.00603
437669.34	3724421.20	0.00634	437686.31	3724426.17	0.00672
437703.29	3724431.14	0.00714	437805.15	3724460.96	0.01011
437822.13	3724465.93	0.01079	437839.10	3724470.90	0.01153
437856.08	3724475.87	0.01231	437873.06	3724480.84	0.01304
437890.04	3724485.81	0.01380	438042.83	3724530.54	0.02260
438059.81	3724535.51	0.02371	437206.54	3724517.47	0.01106
437222.89	3724510.72	0.01067	437239.25	3724503.98	0.01026
437255.60	3724497.23	0.00986	437271.95	3724490.48	0.00945
437288.30	3724483.73	0.00905	437304.65	3724476.98	0.00865
437321.00	3724470.24	0.00827	437337.36	3724463.49	0.00791
437353.71	3724456.74	0.00756	437370.06	3724449.99	0.00723
437386.41	3724443.25	0.00693	437484.52	3724402.76	0.00527
437500.87	3724396.01	0.00505	437517.23	3724389.26	0.00492
437533.58	3724382.51	0.00481	437549.93	3724375.77	0.00477
437566.28	3724369.02	0.00476	437582.63	3724362.27	0.00478
437599.30	3724361.38	0.00487	437616.27	3724366.35	0.00505
437633.25	3724371.32	0.00524	437650.23	3724376.29	0.00547
437667.20	3724381.26	0.00571	437684.18	3724386.23	0.00598
437769.07	3724411.08	0.00777	437786.04	3724416.05	0.00824
437803.02	3724421.02	0.00875	437820.00	3724425.99	0.00932
437836.97	3724430.96	0.00992	437853.95	3724435.93	0.01054
437870.93	3724440.90	0.01116	437887.90	3724445.87	0.01178
437904.88	3724450.84	0.01247	437921.86	3724455.81	0.01321
437989.77	3724475.68	0.01657	438006.74	3724480.65	0.01756

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438023.72	3724485.62	0.01860	438040.70	3724490.59	0.01964
438057.67	3724495.56	0.02064	438074.65	3724500.53	0.02170
438091.63	3724505.50	0.02287	437196.23	3724480.90	0.01012
437212.59	3724474.15	0.00975	437228.94	3724467.41	0.00939
437245.29	3724460.66	0.00902	437261.64	3724453.91	0.00865
437277.99	3724447.16	0.00829	437294.35	3724440.42	0.00793
437310.70	3724433.67	0.00759	437327.05	3724426.92	0.00727
437343.40	3724420.17	0.00696	437359.75	3724413.42	0.00666
437474.21	3724366.19	0.00496	437490.57	3724359.44	0.00472
437506.92	3724352.69	0.00456	437523.27	3724345.94	0.00447
437539.62	3724339.20	0.00442	437555.97	3724332.45	0.00441
437572.33	3724325.70	0.00441	437597.17	3724321.44	0.00450
437614.14	3724326.41	0.00464	437631.12	3724331.38	0.00481
437648.10	3724336.35	0.00501	437665.07	3724341.32	0.00521
437732.98	3724361.20	0.00623	437749.96	3724366.17	0.00655
437766.94	3724371.14	0.00689	437783.91	3724376.10	0.00726
437800.89	3724381.07	0.00766	437817.87	3724386.04	0.00808
437834.84	3724391.01	0.00855	437851.82	3724395.98	0.00905
437868.80	3724400.95	0.00959	437885.77	3724405.92	0.01015
437902.75	3724410.89	0.01074	437953.68	3724425.80	0.01276
437970.66	3724430.77	0.01360	437987.64	3724435.74	0.01446
438004.61	3724440.71	0.01536	438021.59	3724445.68	0.01626
438038.57	3724450.65	0.01719	438055.54	3724455.62	0.01812
438072.52	3724460.59	0.01906	438089.50	3724465.56	0.02005
438106.47	3724470.53	0.02106	437185.93	3724444.33	0.00929
437202.28	3724437.59	0.00896	437218.63	3724430.84	0.00862
437234.98	3724424.09	0.00829	437251.33	3724417.34	0.00795
437267.69	3724410.59	0.00763	437284.04	3724403.85	0.00731
437300.39	3724397.10	0.00700	437316.74	3724390.35	0.00671
437333.09	3724383.60	0.00643	437480.26	3724322.87	0.00438
437496.61	3724316.12	0.00426	437512.96	3724309.38	0.00419
437529.31	3724302.63	0.00413	437545.67	3724295.88	0.00411
437562.02	3724289.13	0.00410	437578.37	3724282.38	0.00411
437595.03	3724281.49	0.00418	437612.01	3724286.46	0.00431
437628.99	3724291.43	0.00445	437713.87	3724316.28	0.00538
437730.85	3724321.25	0.00561	437747.83	3724326.22	0.00587
437764.80	3724331.19	0.00614	437781.78	3724336.16	0.00643
437798.76	3724341.13	0.00676	437815.73	3724346.10	0.00710
437832.71	3724351.07	0.00748	437849.69	3724356.04	0.00789
437866.67	3724361.01	0.00835	437883.64	3724365.98	0.00884

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437934.57	3724380.89	0.01053	437951.55	3724385.86	0.01117
437968.53	3724390.83	0.01191	437985.50	3724395.80	0.01269
438002.48	3724400.77	0.01349	438019.46	3724405.74	0.01432
438036.44	3724410.71	0.01514	438053.41	3724415.68	0.01596
438070.39	3724420.65	0.01679	438087.37	3724425.62	0.01766
438104.34	3724430.59	0.01855	438121.32	3724435.56	0.01946
437159.27	3724414.51	0.00888	437175.62	3724407.76	0.00857
437191.97	3724401.02	0.00826	437208.32	3724394.27	0.00795
437224.68	3724387.52	0.00765	437241.03	3724380.77	0.00734
437257.38	3724374.02	0.00705	437273.73	3724367.28	0.00677
437290.08	3724360.53	0.00649	437306.43	3724353.78	0.00623
437486.30	3724279.55	0.00404	437502.66	3724272.81	0.00394
437519.01	3724266.06	0.00389	437535.36	3724259.31	0.00385
437551.71	3724252.56	0.00385	437568.06	3724245.81	0.00385
437592.90	3724241.55	0.00390	437609.88	3724246.52	0.00401
437745.70	3724286.28	0.00531	437762.67	3724291.25	0.00554
437779.65	3724296.22	0.00578	437796.63	3724301.19	0.00604
437813.60	3724306.16	0.00632	437830.58	3724311.13	0.00663
437847.56	3724316.10	0.00700	437864.53	3724321.07	0.00739
437898.49	3724331.01	0.00829	437915.47	3724335.98	0.00881
437932.44	3724340.95	0.00935	437949.42	3724345.92	0.00992
437966.40	3724350.89	0.01056	437983.37	3724355.86	0.01123
438000.35	3724360.82	0.01191	438017.33	3724365.79	0.01263
438034.30	3724370.76	0.01339	438051.28	3724375.73	0.01414
438068.26	3724380.70	0.01490	438085.23	3724385.67	0.01566
438102.21	3724390.64	0.01643	438119.19	3724395.61	0.01724
438136.17	3724400.58	0.01806	438153.14	3724405.55	0.01892
437132.61	3724384.69	0.00849	437148.96	3724377.94	0.00822
437165.31	3724371.20	0.00794	437181.67	3724364.45	0.00765
437198.02	3724357.70	0.00737	437214.37	3724350.95	0.00709
437230.72	3724344.20	0.00681	437247.07	3724337.46	0.00655
437263.42	3724330.71	0.00629	437279.78	3724323.96	0.00604
437476.00	3724242.98	0.00386	437492.35	3724236.24	0.00374
437508.70	3724229.49	0.00367	437525.05	3724222.74	0.00363
437541.40	3724215.99	0.00361	437557.76	3724209.25	0.00360
437574.11	3724202.50	0.00361	437590.77	3724201.61	0.00365
437692.63	3724231.43	0.00432	437709.61	3724236.40	0.00448
437726.59	3724241.37	0.00464	437743.56	3724246.34	0.00482
437845.43	3724276.15	0.00628	437862.40	3724281.12	0.00662
437879.38	3724286.09	0.00701	437930.31	3724301.00	0.00839

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437947.29	3724305.97	0.00892	437964.27	3724310.94	0.00947
437981.24	3724315.91	0.01006	437998.22	3724320.88	0.01065
438015.20	3724325.85	0.01126	438032.17	3724330.82	0.01192
438049.15	3724335.79	0.01260	438066.13	3724340.76	0.01330
438083.10	3724345.73	0.01399	438100.08	3724350.70	0.01468
438117.06	3724355.67	0.01542	438134.03	3724360.64	0.01616
438151.01	3724365.61	0.01690	438167.99	3724370.58	0.01763
437122.30	3724348.12	0.00788	437138.65	3724341.37	0.00762
437155.01	3724334.63	0.00736	437171.36	3724327.88	0.00710
437187.71	3724321.13	0.00685	437204.06	3724314.38	0.00659
437220.41	3724307.63	0.00634	437236.77	3724300.89	0.00610
437253.12	3724294.14	0.00587	437449.34	3724213.16	0.00374
437465.69	3724206.42	0.00361	437482.04	3724199.67	0.00352
437498.39	3724192.92	0.00345	437514.75	3724186.17	0.00342
437531.10	3724179.42	0.00339	437547.45	3724172.68	0.00339
437563.80	3724165.93	0.00339	437588.64	3724161.67	0.00344
437673.53	3724186.51	0.00388	437690.50	3724191.48	0.00400
437707.48	3724196.45	0.00412	437724.46	3724201.42	0.00426
437741.43	3724206.39	0.00442	437758.41	3724211.36	0.00459
437775.39	3724216.33	0.00477	437792.36	3724221.30	0.00495
437809.34	3724226.27	0.00517	437826.32	3724231.24	0.00540
437843.30	3724236.21	0.00569	437860.27	3724241.18	0.00600
437877.25	3724246.15	0.00635	437894.23	3724251.12	0.00673
437911.20	3724256.09	0.00714	437928.18	3724261.06	0.00758
437962.13	3724271.00	0.00855	437979.11	3724275.97	0.00907
437996.09	3724280.94	0.00959	438013.06	3724285.91	0.01014
438030.04	3724290.88	0.01071	438047.02	3724295.85	0.01132
438064.00	3724300.82	0.01196	438080.97	3724305.79	0.01262
438097.95	3724310.76	0.01329	438114.93	3724315.73	0.01390
438199.81	3724340.58	0.01673	436933.68	3724549.60	0.01258
436926.33	3724556.23	0.01266	436918.99	3724562.85	0.01274
436921.57	3724506.65	0.01172	436914.23	3724513.28	0.01182
436906.88	3724519.90	0.01191	436899.54	3724526.53	0.01199
436892.19	3724533.15	0.01205	436894.78	3724476.95	0.01108
436887.43	3724483.58	0.01117	436880.09	3724490.20	0.01125
436872.74	3724496.83	0.01134	436865.40	3724503.45	0.01140

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437235.35	3725540.60	15.83335	(13020516)	437200.39	3725546.56	14.24569	(13020516)
437206.71	3725553.60	14.15712	(13020516)	437213.03	3725560.64	13.97533	(13020516)
437174.93	3725557.74	12.99812	(13020516)	437171.80	3725548.87	13.14498	(13020516)
437149.56	3725569.14	11.87649	(13020516)	437146.47	3725560.39	11.99439	(13020516)
437143.38	3725551.64	12.04095	(13020516)	437155.74	3725586.65	11.43787	(13020516)
437162.06	3725593.69	11.28331	(13020516)	437168.38	3725600.73	11.06715	(13020516)
437130.29	3725597.84	10.49540	(13020516)	437120.92	3725571.31	10.96294	(13020516)
437117.80	3725562.47	11.00061	(13020516)	437114.68	3725553.62	10.98315	(13020516)
437133.42	3725606.69	10.24529	(13020516)	437139.74	3725613.73	10.05783	(13020516)
437146.06	3725620.77	9.83055	(13020516)	437108.01	3725617.99	9.51856	(13020516)
437104.92	3725609.25	9.72753	(13020516)	437101.83	3725600.51	9.89331	(13020516)
437092.58	3725574.29	10.11129	(13020516)	437089.49	3725565.55	10.08654	(13020516)
437086.40	3725556.81	10.02095	(13020516)	437085.65	3725637.94	8.65365	(13020516)
437082.54	3725629.12	8.87341	(13020516)	437079.42	3725620.30	9.05288	(13020516)
437076.30	3725611.47	9.19379	(13020516)	437073.19	3725602.65	9.29214	(13020516)
437063.84	3725576.18	9.33592	(13020516)	437060.72	3725567.35	9.26462	(13020516)
437057.61	3725558.53	9.14935	(13020516)	437101.41	3725660.85	7.95867	(13020516)
437055.87	3725664.62	7.64449	(13020516)	437052.74	3725655.75	7.88009	(13020516)
437043.34	3725629.14	8.35810	(13020516)	437040.21	3725620.27	8.44400	(13020516)
437037.08	3725611.40	8.49169	(13020516)	437033.95	3725602.54	8.50295	(13020516)
437024.55	3725575.93	8.30311	(13020516)	437021.42	3725567.06	8.15902	(13020516)
437059.00	3725673.49	7.38356	(13020516)	437026.09	3725691.30	6.79309	(13020516)
437022.95	3725682.39	7.00961	(13020516)	437019.80	3725673.48	7.20461	(13020516)
437016.65	3725664.57	7.37731	(13020516)	437013.51	3725655.66	7.52001	(13020516)
437004.07	3725628.93	7.74730	(13020516)	437000.92	3725620.02	7.75486	(13020516)
436997.78	3725611.12	7.72868	(13020516)	436994.63	3725602.21	7.66789	(13020516)
436991.48	3725593.30	7.57204	(13020516)	436988.34	3725584.39	7.44537	(13020516)
436985.19	3725575.48	7.29002	(13020516)	436982.04	3725566.57	7.10473	(13020516)
437029.24	3725700.21	6.55531	(13020516)	437035.56	3725707.25	6.34347	(13020516)
437041.88	3725714.29	6.10599	(13020516)	436993.26	3725709.34	6.33106	(13020516)
436990.16	3725700.55	6.52216	(13020516)	436987.05	3725691.76	6.69279	(13020516)
436983.95	3725682.96	6.83890	(13020516)	436980.84	3725674.17	6.95908	(13020516)
436977.73	3725665.37	7.05449	(13020516)	436974.63	3725656.58	7.12409	(13020516)
436971.52	3725647.79	7.15666	(13020516)	436962.21	3725621.40	7.07133	(13020516)
436959.10	3725612.61	6.99581	(13020516)	436956.00	3725603.82	6.88650	(13020516)
436952.89	3725595.02	6.74846	(13020516)	436949.78	3725586.23	6.58566	(13020516)
436946.68	3725577.43	6.40195	(13020516)	436943.57	3725568.64	6.19968	(13020516)
437004.81	3724812.38	5.76777	(13121916)	437008.83	3724803.96	5.73208	(13121916)
437012.84	3724795.54	5.67153	(13121916)	437016.85	3724787.13	5.59101	(13121916)
436954.11	3725709.49	6.24947	(13020516)	436950.99	3725700.65	6.37956	(13020516)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436947.87	3725691.82	6.48951	(13020516)	436944.75	3725682.99	6.57489	(13020516)
436941.63	3725674.15	6.62703	(13020516)	436938.51	3725665.32	6.65029	(13020516)
436935.39	3725656.49	6.64407	(13020516)	436932.27	3725647.65	6.60559	(13020516)
436929.15	3725638.82	6.54133	(13020516)	436919.80	3725612.32	6.21316	(13020516)
436916.68	3725603.48	6.06431	(13020516)	436913.56	3725594.65	5.89667	(13020516)
436910.44	3725585.82	5.71623	(13020516)	436907.32	3725576.98	5.59972	(11120516)
436889.14	3724969.19	4.97836	(11123009)	436893.17	3724960.73	4.96926	(11123009)
436897.20	3724952.27	4.95672	(11123009)	436901.23	3724943.82	4.97381	(14122616)
436905.26	3724935.36	5.02630	(14122616)	436909.29	3724926.90	5.09301	(14030409)
436913.32	3724918.45	5.27689	(14030409)	436917.35	3724909.99	5.43894	(14030409)
436921.38	3724901.53	5.57025	(14030409)	436925.41	3724893.08	5.67156	(14030409)
436929.44	3724884.62	5.74679	(14030409)	436933.47	3724876.16	5.81566	(14030409)
436937.50	3724867.70	5.86165	(14030409)	436941.53	3724859.25	5.87323	(14030409)
436945.56	3724850.79	5.85149	(14030409)	436949.59	3724842.33	5.79272	(14030409)
436953.62	3724833.88	5.70806	(14030409)	436957.65	3724825.42	5.59854	(14030409)
436961.68	3724816.96	5.45859	(14030409)	436965.71	3724808.51	5.32609	(13121916)
436969.74	3724800.05	5.31848	(13121916)	436973.77	3724791.59	5.28886	(13121916)
436977.80	3724783.14	5.24139	(13121916)	436981.83	3724774.68	5.18658	(13121916)
436985.86	3724766.22	5.11605	(13121916)	436976.03	3725760.69	5.12798	(13020516)
436982.35	3725767.73	4.93031	(11112809)	436936.81	3725771.50	5.02603	(13020516)
436933.68	3725762.64	5.21688	(13020516)	436930.55	3725753.77	5.39390	(13020516)
436911.75	3725700.55	6.15693	(13020516)	436908.62	3725691.68	6.21974	(13020516)
436905.49	3725682.81	6.24743	(13020516)	436902.36	3725673.94	6.22750	(13020516)
436899.23	3725665.07	6.18129	(13020516)	436883.56	3725620.73	5.63419	(13020516)
436880.43	3725611.86	5.48554	(13020516)	436877.30	3725602.99	5.32141	(13020516)
436874.17	3725594.12	5.14205	(11120516)	436871.04	3725585.25	5.23434	(11120516)
436867.90	3725576.38	5.30217	(11120516)	436833.47	3725000.09	4.82054	(11123009)
436837.52	3724991.60	4.83036	(11123009)	436841.56	3724983.11	4.83685	(11123009)
436845.61	3724974.62	4.83932	(11123009)	436849.65	3724966.12	4.83846	(11123009)
436853.70	3724957.63	4.83498	(11123009)	436857.75	3724949.14	4.82817	(11123009)
436861.79	3724940.65	4.81833	(11123009)	436865.84	3724932.16	4.80589	(11123009)
436869.89	3724923.67	4.79022	(11123009)	436873.93	3724915.18	4.77010	(11123009)
436877.98	3724906.69	4.86724	(14030409)	436882.03	3724898.20	5.01407	(14030409)
436886.07	3724889.70	5.14159	(14030409)	436890.12	3724881.21	5.24772	(14030409)
436894.16	3724872.72	5.33186	(14030409)	436898.21	3724864.23	5.39460	(14030409)
436902.26	3724855.74	5.43567	(14030409)	436906.30	3724847.25	5.45292	(14030409)
436910.35	3724838.76	5.44061	(14030409)	436914.40	3724830.27	5.40458	(14030409)
436918.44	3724821.78	5.34398	(14030409)	436922.49	3724813.28	5.26047	(14030409)
436926.54	3724804.79	5.16080	(14030409)	436930.58	3724796.30	5.04137	(14030409)
436934.63	3724787.81	4.90343	(14030409)	436938.67	3724779.32	4.89448	(13121916)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436942.72	3724770.83	4.87743	(13121916)	436946.77	3724762.34	4.84561	(13121916)
436950.81	3724753.85	4.79790	(13121916)	436954.86	3724745.36	4.73848	(13121916)
436958.91	3724736.86	4.67692	(12110109)	436962.95	3724728.37	4.65677	(12110109)
436939.94	3725780.37	4.82852	(13020516)	436946.26	3725787.41	4.76513	(11112809)
436952.58	3725794.45	4.78135	(11112809)	436907.03	3725798.19	4.60674	(11112809)
436903.89	3725789.29	4.77109	(13020516)	436900.75	3725780.39	4.95127	(13020516)
436897.60	3725771.49	5.11314	(13020516)	436894.46	3725762.59	5.25513	(13020516)
436872.45	3725700.27	5.82423	(13020516)	436869.31	3725691.37	5.82102	(13020516)
436866.17	3725682.47	5.79112	(13020516)	436863.02	3725673.57	5.73236	(13020516)
436859.88	3725664.67	5.65449	(13020516)	436856.74	3725655.76	5.55811	(13020516)
436853.59	3725646.86	5.43351	(13020516)	436850.45	3725637.96	5.29245	(13020516)
436847.31	3725629.06	5.13612	(13020516)	436844.16	3725620.16	4.98199	(13020516)
436841.02	3725611.26	4.82111	(13020516)	436837.87	3725602.35	4.82298	(11120516)
436834.73	3725593.45	4.89493	(11120516)	436831.59	3725584.55	4.94554	(11120516)
436828.44	3725575.65	4.97296	(11120516)	436773.58	3725039.85	4.76069	(12121309)
436777.64	3725031.33	4.73365	(12121309)	436781.70	3725022.80	4.70328	(12121309)
436785.76	3725014.28	4.66922	(12121309)	436789.82	3725005.76	4.66029	(11123009)
436793.88	3724997.24	4.67549	(11123009)	436797.94	3724988.71	4.68791	(11123009)
436802.00	3724980.19	4.69844	(11123009)	436806.07	3724971.67	4.70560	(11123009)
436810.13	3724963.15	4.70869	(11123009)	436814.19	3724954.62	4.70836	(11123009)
436818.25	3724946.10	4.70631	(11123009)	436822.31	3724937.58	4.70116	(11123009)
436826.37	3724929.06	4.69267	(11123009)	436830.43	3724920.54	4.68173	(11123009)
436834.49	3724912.01	4.66900	(11123009)	436838.56	3724903.49	4.65356	(11123009)
436842.62	3724894.97	4.63482	(11123009)	436846.68	3724886.45	4.64557	(14030409)
436850.74	3724877.92	4.75965	(14030409)	436854.80	3724869.40	4.85727	(14030409)
436858.86	3724860.88	4.93873	(14030409)	436862.92	3724852.36	5.00392	(14030409)
436866.98	3724843.83	5.05116	(14030409)	436871.05	3724835.31	5.07627	(14030409)
436875.11	3724826.79	5.08155	(14030409)	436879.17	3724818.27	5.06662	(14030409)
436883.23	3724809.74	5.03061	(14030409)	436887.29	3724801.22	4.97608	(14030409)
436891.35	3724792.70	4.90378	(14030409)	436895.41	3724784.18	4.81351	(14030409)
436899.47	3724775.66	4.70571	(14030409)	436903.54	3724767.13	4.62650	(12110109)
436907.60	3724758.61	4.61592	(12110109)	436911.66	3724750.09	4.60232	(12110109)
436915.72	3724741.57	4.58637	(12110109)	436919.78	3724733.04	4.56754	(12110109)
436923.84	3724724.52	4.54401	(12110109)	436927.90	3724716.00	4.51719	(12110109)
436931.96	3724707.48	4.48857	(12110109)	436936.02	3724698.95	4.45864	(12110109)
436940.09	3724690.43	4.42200	(12110109)	436910.18	3725807.10	4.61188	(11112809)
436916.50	3725814.14	4.62738	(11112809)	436922.82	3725821.18	4.64003	(11112809)
436877.30	3725825.01	4.47668	(11112809)	436874.19	3725816.20	4.47001	(11112809)
436871.08	3725807.39	4.46190	(11112809)	436867.97	3725798.59	4.61450	(13020516)
436864.86	3725789.78	4.76129	(13020516)	436861.75	3725780.97	4.89591	(13020516)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436858.64	3725772.16	5.01959	(13020516)	436855.53	3725763.36	5.13415	(13020516)
436852.42	3725754.55	5.23322	(13020516)	436836.87	3725710.51	5.44600	(13020516)
436833.76	3725701.70	5.42495	(13020516)	436830.65	3725692.89	5.38825	(13020516)
436827.54	3725684.09	5.33529	(13020516)	436824.43	3725675.28	5.25994	(13020516)
436821.32	3725666.47	5.16832	(13020516)	436818.21	3725657.66	5.06080	(13020516)
436815.09	3725648.86	4.93199	(13020516)	436811.98	3725640.05	4.78932	(13020516)
436808.87	3725631.24	4.63443	(13020516)	436716.74	3725073.19	4.72001	(12121309)
436720.76	3725064.75	4.71032	(12121309)	436724.78	3725056.32	4.69618	(12121309)
436728.80	3725047.89	4.68002	(12121309)	436732.81	3725039.46	4.66018	(12121309)
436736.83	3725031.03	4.63718	(12121309)	436740.85	3725022.59	4.61124	(12121309)
436744.87	3725014.16	4.58293	(12121309)	436748.89	3725005.73	4.55149	(12121309)
436752.91	3724997.30	4.53298	(11123009)	436756.92	3724988.87	4.54846	(11123009)
436760.94	3724980.43	4.56144	(11123009)	436764.96	3724972.00	4.57297	(11123009)
436768.98	3724963.57	4.58221	(11123009)	436773.00	3724955.14	4.58737	(11123009)
436777.02	3724946.70	4.58966	(11123009)	436781.03	3724938.27	4.59097	(11123009)
436785.05	3724929.84	4.58951	(11123009)	436789.07	3724921.41	4.58186	(11123009)
436793.09	3724912.98	4.56884	(11123009)	436797.11	3724904.54	4.55325	(11123009)
436801.12	3724896.11	4.53626	(11123009)	436805.14	3724887.68	4.51727	(11123009)
436809.16	3724879.25	4.49488	(11123009)	436813.18	3724870.81	4.46920	(11123009)
436817.20	3724862.38	4.44159	(11123009)	436821.22	3724853.95	4.52627	(14030409)
436825.23	3724845.52	4.60393	(14030409)	436829.25	3724837.09	4.66686	(14030409)
436833.27	3724828.65	4.71340	(14030409)	436837.29	3724820.22	4.74193	(14030409)
436841.31	3724811.79	4.75411	(14030409)	436845.33	3724803.36	4.74906	(14030409)
436849.34	3724794.93	4.72565	(14030409)	436853.36	3724786.49	4.68593	(14030409)
436857.38	3724778.06	4.62870	(14030409)	436861.40	3724769.63	4.55521	(14030409)
436865.42	3724761.20	4.46862	(12110109)	436869.44	3724752.76	4.46749	(12110109)
436873.45	3724744.33	4.46317	(12110109)	436877.47	3724735.90	4.45360	(12110109)
436881.49	3724727.47	4.44138	(12110109)	436885.51	3724719.04	4.42682	(12110109)
436889.53	3724710.60	4.40949	(12110109)	436893.54	3724702.17	4.38775	(12110109)
436897.56	3724693.74	4.36359	(12110109)	436901.58	3724685.31	4.33767	(12110109)
436905.60	3724676.87	4.31175	(12110109)	436909.62	3724668.44	4.27879	(12110109)
436913.64	3724660.01	4.24211	(12110109)	436917.65	3724651.58	4.23471	(12010209)
436921.67	3724643.15	4.25370	(12010209)	436925.69	3724634.71	4.26890	(12010209)
436929.71	3724626.28	4.28401	(12010209)	436933.73	3724617.85	4.29673	(12010209)
436937.75	3724609.42	4.30586	(12010209)	436941.76	3724600.99	4.31268	(12010209)
436880.41	3725833.82	4.48052	(11112809)	436886.73	3725840.86	4.49417	(11112809)
436893.05	3725847.90	4.50595	(11112809)	436847.52	3725851.70	4.35823	(11112809)
436844.40	3725842.86	4.35183	(11112809)	436841.28	3725834.02	4.34400	(11112809)
436838.16	3725825.18	4.33527	(11112809)	436835.04	3725816.34	4.34384	(13020516)
436831.92	3725807.50	4.47016	(13020516)	436828.79	3725798.66	4.58814	(13020516)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436825.67	3725789.82	4.69419	(13020516)	436822.55	3725780.98	4.78830	(13020516)
436819.43	3725772.14	4.87234	(13020516)	436816.31	3725763.30	4.94498	(13020516)
436791.34	3725692.58	4.96420	(13020516)	436788.21	3725683.75	4.89402	(13020516)
436672.98	3725079.09	4.59212	(12121309)	436677.02	3725070.62	4.58765	(12121309)
436681.05	3725062.16	4.58013	(12121309)	436685.08	3725053.70	4.57026	(12121309)
436689.11	3725045.23	4.55860	(12121309)	436693.15	3725036.77	4.54429	(12121309)
436697.18	3725028.31	4.52696	(12121309)	436701.21	3725019.85	4.50603	(12121309)
436705.25	3725011.38	4.48235	(12121309)	436709.28	3725002.92	4.45628	(12121309)
436713.31	3724994.46	4.42674	(12121309)	436717.34	3724985.99	4.41806	(11123009)
436721.38	3724977.53	4.43365	(11123009)	436725.41	3724969.07	4.44664	(11123009)
436729.44	3724960.61	4.45755	(11123009)	436733.48	3724952.14	4.46666	(11123009)
436737.51	3724943.68	4.47204	(11123009)	436741.54	3724935.22	4.46863	(11123009)
436745.57	3724926.76	4.46246	(11123009)	436749.61	3724918.29	4.45423	(11123009)
436753.64	3724909.83	4.44668	(11123009)	436757.67	3724901.37	4.43603	(11123009)
436761.71	3724892.90	4.42235	(11123009)	436765.74	3724884.44	4.40577	(11123009)
436769.77	3724875.98	4.38671	(11123009)	436773.80	3724867.52	4.36696	(11123009)
436777.84	3724859.05	4.34334	(11123009)	436781.87	3724850.59	4.31866	(11123009)
436785.90	3724842.13	4.29316	(11123009)	436789.94	3724833.66	4.26571	(14030409)
436793.97	3724825.20	4.33358	(14030409)	436798.00	3724816.74	4.38632	(14030409)
436802.03	3724808.28	4.42487	(14030409)	436806.07	3724799.81	4.44787	(14030409)
436810.10	3724791.35	4.45426	(14030409)	436814.13	3724782.89	4.44569	(14030409)
436818.17	3724774.42	4.41915	(14030409)	436822.20	3724765.96	4.37895	(14030409)
436826.23	3724757.50	4.33559	(12110109)	436830.27	3724749.04	4.33737	(12110109)
436834.30	3724740.57	4.33800	(12110109)	436838.33	3724732.11	4.33704	(12110109)
436842.36	3724723.65	4.33153	(12110109)	436846.40	3724715.18	4.32277	(12110109)
436850.43	3724706.72	4.31141	(12110109)	436854.46	3724698.26	4.29753	(12110109)
436858.50	3724689.80	4.28173	(12110109)	436862.53	3724681.33	4.26233	(12110109)
436866.56	3724672.87	4.23889	(12110109)	436870.59	3724664.41	4.21369	(12110109)
436874.63	3724655.94	4.19170	(12110109)	436878.66	3724647.48	4.16527	(12110109)
436882.69	3724639.02	4.13217	(12110109)	436886.73	3724630.56	4.10069	(12010209)
436890.76	3724622.09	4.12294	(12010209)	436894.79	3724613.63	4.14209	(12010209)
436898.82	3724605.17	4.16107	(12010209)	436902.86	3724596.70	4.18433	(12010209)
436906.89	3724588.24	4.20284	(12010209)	436910.92	3724579.78	4.21655	(12010209)
436914.96	3724571.32	4.22944	(12010209)	436850.65	3725860.54	4.36085	(11112809)
436856.97	3725867.58	4.37237	(11112809)	436863.29	3725874.62	4.38355	(11112809)
436817.75	3725878.39	4.24818	(11112809)	436814.62	3725869.52	4.24329	(11112809)
436811.48	3725860.65	4.23591	(11112809)	436808.35	3725851.78	4.22716	(11112809)
436805.22	3725842.91	4.21723	(11112809)	436802.09	3725834.04	4.20490	(11112809)
436798.96	3725825.17	4.22008	(13020516)	436795.82	3725816.31	4.32543	(13020516)
436792.69	3725807.44	4.42115	(13020516)	436789.56	3725798.57	4.50700	(13020516)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436786.43	3725789.70	4.58231	(13020516)	436783.30	3725780.83	4.64424	(13020516)
436657.51	3725025.64	4.40869	(12121309)	436661.55	3725017.15	4.39047	(12121309)
436665.60	3725008.66	4.37032	(12121309)	436669.64	3725000.17	4.34815	(12121309)
436673.69	3724991.67	4.32295	(12121309)	436677.74	3724983.18	4.29355	(12121309)
436681.78	3724974.69	4.29718	(11123009)	436685.83	3724966.20	4.31158	(11123009)
436689.88	3724957.71	4.32288	(11123009)	436693.92	3724949.22	4.33225	(11123009)
436697.97	3724940.73	4.33990	(11123009)	436702.02	3724932.24	4.34500	(11123009)
436706.06	3724923.75	4.34751	(11123009)	436710.11	3724915.25	4.34860	(11123009)
436714.15	3724906.76	4.34868	(11123009)	436718.20	3724898.27	4.34740	(11123009)
436722.25	3724889.78	4.34136	(11123009)	436726.29	3724881.29	4.32861	(11123009)
436730.34	3724872.80	4.31292	(11123009)	436734.39	3724864.31	4.29572	(11123009)
436738.43	3724855.82	4.27708	(11123009)	436742.48	3724847.33	4.25535	(11123009)
436746.53	3724838.83	4.23026	(11123009)	436750.57	3724830.34	4.20319	(11123009)
436754.62	3724821.85	4.17616	(11123009)	436758.66	3724813.36	4.14600	(11123009)
436762.71	3724804.87	4.12324	(12110109)	436766.76	3724796.38	4.14538	(12110109)
436770.80	3724787.89	4.16630	(12110109)	436774.85	3724779.40	4.18602	(12110109)
436778.90	3724770.91	4.19834	(12110109)	436782.94	3724762.41	4.20954	(12110109)
436786.99	3724753.92	4.21984	(12110109)	436791.04	3724745.43	4.22812	(12110109)
436795.08	3724736.94	4.23075	(12110109)	436799.13	3724728.45	4.23166	(12110109)
436803.17	3724719.96	4.23229	(12110109)	436807.22	3724711.47	4.23167	(12110109)
436811.27	3724702.98	4.22663	(12110109)	436815.31	3724694.48	4.21958	(12110109)
436819.36	3724685.99	4.21098	(12110109)	436823.41	3724677.50	4.20005	(12110109)
436827.45	3724669.01	4.18641	(12110109)	436831.50	3724660.52	4.17016	(12110109)
436835.55	3724652.03	4.14941	(12110109)	436839.59	3724643.54	4.12608	(12110109)
436843.64	3724635.05	4.10232	(12110109)	436847.68	3724626.56	4.07908	(12110109)
436851.73	3724618.06	4.04951	(12110109)	436855.78	3724609.57	4.01691	(12110109)
436859.82	3724601.08	4.01961	(12010209)	436863.87	3724592.59	4.04384	(12010209)
436867.92	3724584.10	4.06808	(12010209)	436871.96	3724575.61	4.09258	(12010209)
436876.01	3724567.12	4.12088	(12010209)	436880.05	3724558.63	4.14482	(12010209)
436884.10	3724550.14	4.16542	(12010209)	436888.15	3724541.64	4.17648	(12010209)
436820.88	3725887.26	4.24940	(11112809)	436827.20	3725894.30	4.26028	(11112809)
436833.52	3725901.34	4.27031	(11112809)	436787.97	3725905.08	4.14459	(11112809)
436784.83	3725896.19	4.14144	(11112809)	436781.69	3725887.29	4.13571	(11112809)
436778.55	3725878.39	4.12793	(11112809)	436775.41	3725869.50	4.11914	(11112809)
436772.27	3725860.60	4.10909	(11112809)	436769.12	3725851.70	4.09614	(11112809)
436765.98	3725842.81	4.08010	(11112809)	436762.84	3725833.91	4.09873	(13020516)
436759.70	3725825.01	4.18556	(13020516)	436756.56	3725816.12	4.26167	(13020516)
436753.41	3725807.22	4.32732	(13020516)	436750.27	3725798.32	4.38343	(13020516)
436747.13	3725789.43	4.42877	(13020516)	436650.28	3724954.87	4.19751	(11123009)
436654.34	3724946.36	4.20825	(11123009)	436658.40	3724937.84	4.21698	(11123009)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436662.46	3724929.32	4.22419	(11123009)	436666.52	3724920.80	4.22920	(11123009)
436670.58	3724912.29	4.23119	(11123009)	436674.63	3724903.77	4.23111	(11123009)
436678.69	3724895.25	4.22918	(11123009)	436682.75	3724886.73	4.22555	(11123009)
436686.81	3724878.22	4.21965	(11123009)	436690.87	3724869.70	4.21121	(11123009)
436694.93	3724861.18	4.20131	(11123009)	436698.99	3724852.66	4.19017	(11123009)
436703.05	3724844.15	4.17844	(11123009)	436707.11	3724835.63	4.16413	(11123009)
436711.16	3724827.11	4.14667	(11123009)	436715.22	3724818.60	4.12734	(11123009)
436719.28	3724810.08	4.10868	(11123009)	436723.34	3724801.56	4.07943	(11123009)
436727.40	3724793.04	4.04608	(11123009)	436731.46	3724784.53	4.04227	(12110109)
436735.52	3724776.01	4.06590	(12110109)	436739.58	3724767.49	4.08810	(12110109)
436743.63	3724758.97	4.10652	(12110109)	436747.69	3724750.46	4.11749	(12110109)
436751.75	3724741.94	4.12739	(12110109)	436755.81	3724733.42	4.13627	(12110109)
436759.87	3724724.90	4.14243	(12110109)	436763.93	3724716.39	4.14394	(12110109)
436767.99	3724707.87	4.14471	(12110109)	436772.05	3724699.35	4.14439	(12110109)
436776.11	3724690.84	4.14249	(12110109)	436780.16	3724682.32	4.13729	(12110109)
436784.22	3724673.80	4.13166	(12110109)	436788.28	3724665.28	4.12364	(12110109)
436792.34	3724656.77	4.11592	(12110109)	436796.40	3724648.25	4.10451	(12110109)
436800.46	3724639.73	4.09150	(12110109)	436804.52	3724631.21	4.07234	(12110109)
436808.58	3724622.70	4.04948	(12110109)	436812.64	3724614.18	4.02533	(12110109)
436816.69	3724605.66	4.00180	(12110109)	436820.75	3724597.14	3.97615	(12110109)
436824.81	3724588.63	3.94636	(12110109)	436828.87	3724580.11	3.92661	(12010209)
436832.93	3724571.59	3.94852	(12010209)	436836.99	3724563.07	3.97612	(12010209)
436841.05	3724554.56	4.00586	(12010209)	436845.11	3724546.04	4.03657	(12010209)
436849.16	3724537.52	4.04461	(12010209)	436853.22	3724529.01	4.04929	(12010209)
436857.28	3724520.49	4.05406	(12010209)	436861.34	3724511.97	4.06288	(12010209)
436791.12	3725913.98	4.14560	(11112809)	436797.44	3725921.02	4.15554	(11112809)
436803.76	3725928.06	4.16437	(11112809)	437276.64	3725541.49	17.04827	(13020516)
437288.46	3725554.53	15.92345	(13020516)	437300.27	3725567.56	14.55000	(13020516)
437242.60	3725548.61	15.56381	(13020516)	437254.42	3725561.64	14.87913	(13020516)
437244.00	3725594.82	12.05078	(13020516)	437255.81	3725607.85	11.06833	(12020716)
437198.15	3725588.90	12.13783	(13020516)	437209.96	3725601.93	11.44775	(13020516)
437221.77	3725614.97	10.58750	(13020516)	437233.58	3725628.00	9.98353	(12020716)
437175.92	3725609.05	10.72348	(13020516)	437199.54	3725635.11	9.29332	(13020516)
437153.69	3725629.20	9.49749	(13020516)	437165.50	3725642.23	8.89219	(13020516)
437131.46	3725649.34	8.50789	(13020516)	437143.28	3725662.38	7.91261	(13020516)
437155.09	3725675.41	7.23881	(13020516)	437166.90	3725688.44	7.41500	(12020716)
437079.60	3725696.35	6.57866	(13020516)	437091.41	3725709.39	6.04864	(13020516)
437103.22	3725722.42	5.75203	(12041309)	437049.96	3725723.22	5.76915	(13020516)
437032.13	3725763.11	5.13196	(11112809)	436990.68	3725776.94	4.95037	(11112809)
437002.50	3725789.98	4.96281	(11112809)	437014.31	3725803.01	4.96818	(11112809)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437026.12	3725816.04	4.95808	(11112809)	436961.05	3725803.81	4.79857	(11112809)
436972.86	3725816.84	4.80817	(11112809)	436984.67	3725829.87	4.81018	(11112809)
436996.48	3725842.90	4.79911	(11112809)	436931.41	3725830.67	4.65476	(11112809)
436943.22	3725843.70	4.66277	(11112809)	436955.03	3725856.73	4.66445	(11112809)
436966.85	3725869.77	4.65378	(11112809)	436901.77	3725857.53	4.52069	(11112809)
436913.58	3725870.57	4.52756	(11112809)	436925.40	3725883.60	4.52985	(11112809)
436937.21	3725896.63	4.51965	(11112809)	436872.14	3725884.40	4.39736	(11112809)
436883.95	3725897.43	4.40274	(11112809)	436895.76	3725910.46	4.40473	(11112809)
436907.57	3725923.49	4.39464	(11112809)	436842.50	3725911.26	4.28165	(11112809)
436854.31	3725924.29	4.28516	(11112809)	436866.12	3725937.32	4.28680	(11112809)
436877.94	3725950.36	4.27650	(11112809)	436812.86	3725938.12	4.17368	(11112809)
436824.67	3725951.15	4.17707	(11112809)	436836.49	3725964.19	4.17760	(11112809)
436848.30	3725977.22	4.16740	(11112809)	436967.74	3725574.40	6.86315	(13020516)
436930.83	3725589.82	6.19006	(13020516)	436893.93	3725605.25	5.65592	(13020516)
436857.02	3725620.68	5.18890	(13020516)	436820.12	3725636.10	4.84681	(13020516)
436730.34	3725021.93	4.58605	(12121309)	436692.61	3725008.65	4.43994	(12121309)
436654.87	3724995.37	4.29470	(12121309)	437486.31	3725583.06	25.94392	(14121210)
437493.69	3725589.34	28.01417	(12041314)	437501.08	3725595.62	31.37168	(12041314)
437508.47	3725601.90	34.74585	(12041314)	437436.41	3725566.90	23.36150	(12020716)
437443.80	3725573.18	22.64107	(11121914)	437451.19	3725579.46	22.41107	(11121914)
437458.58	3725585.74	21.96958	(11121914)	437465.96	3725592.02	22.58237	(14121210)
437473.35	3725598.30	23.31258	(14121210)	437480.74	3725604.58	23.78256	(14121210)
437488.13	3725610.86	25.92878	(12041314)	437495.52	3725617.14	29.01038	(12041314)
437396.27	3725555.39	22.60535	(12020716)	437401.29	3725563.30	22.39403	(12020716)
437408.68	3725569.58	22.19917	(12020716)	437423.46	3725582.14	21.21305	(12020716)
437430.84	3725588.42	20.56073	(11121914)	437438.23	3725594.70	20.34389	(11121914)
437445.62	3725600.98	19.94528	(11121914)	437453.01	3725607.26	20.17047	(14121210)
437460.40	3725613.54	20.92014	(14121210)	437467.79	3725619.82	21.46924	(14121210)
437475.18	3725626.10	21.77156	(14121210)	437482.57	3725632.38	24.04802	(12041314)
437376.87	3725578.29	20.03545	(12020716)	437371.87	3725570.41	20.09272	(12020716)
437366.88	3725562.54	19.96329	(12020716)	437361.89	3725554.67	19.64847	(12020716)
437381.86	3725586.16	19.80452	(12020716)	437389.25	3725592.44	19.58765	(12020716)
437396.64	3725598.72	19.15067	(12020716)	437404.03	3725605.00	18.51618	(12020716)
437455.75	3725648.96	18.83983	(14121210)	437463.14	3725655.24	19.01965	(14121210)
437357.46	3725601.18	17.93486	(12020716)	437352.49	3725593.34	18.01572	(12020716)
437362.43	3725609.02	17.69257	(12020716)	437369.82	3725615.30	17.43828	(12020716)
437377.21	3725621.58	16.99590	(12020716)	437384.60	3725627.86	16.41950	(12020716)
437391.99	3725634.14	15.92291	(11121914)	437399.38	3725640.42	15.73539	(11121914)
437421.54	3725659.26	15.48560	(14121210)	437428.93	3725665.54	16.05659	(14121210)
437436.32	3725671.82	16.47335	(14121210)	437443.71	3725678.10	16.72194	(14121210)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437296.53	3725558.60	15.53232	(13020516)	437286.20	3725542.31	17.16029	(13020516)
437343.00	3725631.88	15.92455	(12020716)	437350.39	3725638.16	15.70801	(12020716)
437357.78	3725644.44	15.33595	(12020716)	437365.17	3725650.72	14.81461	(12020716)
437372.56	3725657.00	14.34990	(11121914)	437379.95	3725663.28	14.16920	(11121914)
437387.34	3725669.56	13.92070	(11121914)	437409.51	3725688.40	14.10704	(14121210)
437416.90	3725694.68	14.53149	(14121210)	437424.28	3725700.96	14.82493	(14121210)
437303.04	3725622.36	14.45883	(12020716)	437297.91	3725614.27	14.18744	(12020716)
437292.78	3725606.17	13.80754	(12020716)	437287.64	3725598.08	13.32355	(12020716)
437267.11	3725565.70	14.69171	(13020516)	437256.85	3725549.52	15.91554	(13020516)
437251.71	3725541.42	16.35805	(13020516)	437338.35	3725667.30	13.87613	(12020716)
437345.74	3725673.58	13.43301	(12020716)	437353.13	3725679.86	13.04789	(11121914)
437360.52	3725686.14	12.91280	(11121914)	437367.91	3725692.42	12.69161	(11121914)
437375.30	3725698.70	12.38842	(11121914)	437382.69	3725704.98	12.16592	(11021816)
437283.72	3725645.39	13.12485	(12020716)	437278.61	3725637.33	12.91385	(12020716)
437273.51	3725629.28	12.60898	(12020716)	437268.40	3725621.23	12.21354	(12020716)
437263.29	3725613.18	11.73442	(12020716)	437253.08	3725597.07	11.87468	(13020516)
437232.65	3725564.86	14.15361	(13020516)	437227.55	3725556.81	14.57418	(13020516)
437222.44	3725548.75	14.90705	(13020516)	437217.33	3725540.70	15.13663	(13020516)
437333.70	3725702.72	11.83927	(11121914)	437370.65	3725734.12	11.26276	(14121210)
437378.04	3725740.40	11.66194	(14121210)	437279.64	3725692.44	11.91654	(12020716)
437274.55	3725684.42	12.01154	(12020716)	437269.47	3725676.41	12.02156	(12020716)
437249.13	3725644.34	11.20685	(12020716)	437244.05	3725636.32	10.80851	(12020716)
437223.71	3725604.25	11.33166	(13020516)	437218.63	3725596.24	11.86251	(13020516)
437213.54	3725588.22	12.34928	(13020516)	437198.29	3725564.17	13.42454	(13020516)
437193.21	3725556.15	13.62772	(13020516)	437188.12	3725548.13	13.75077	(13020516)
437284.72	3725700.46	11.73895	(12020716)	437292.11	3725706.74	11.57686	(12020716)
437299.50	3725713.02	11.32662	(12020716)	437336.44	3725744.42	10.36599	(11121914)
437343.83	3725750.70	10.11498	(11121914)	437351.22	3725756.98	10.10329	(11021816)
437358.61	3725763.26	10.44291	(14121210)	437366.00	3725769.54	10.75794	(14121210)
437260.23	3725715.33	10.82265	(12020716)	437255.16	3725707.35	10.92084	(12020716)
437250.10	3725699.36	10.94480	(12020716)	437245.03	3725691.37	10.89224	(12020716)
437239.97	3725683.39	10.76423	(12020716)	437234.91	3725675.40	10.56272	(12020716)
437229.84	3725667.42	10.28889	(12020716)	437209.58	3725635.47	9.22948	(13020516)
437204.52	3725627.49	9.77161	(13020516)	437199.46	3725619.50	10.28517	(13020516)
437194.39	3725611.52	10.75302	(13020516)	437164.01	3725563.60	12.47628	(13020516)
437158.94	3725555.62	12.52120	(13020516)	437153.88	3725547.63	12.49512	(13020516)
437265.29	3725723.32	10.65275	(12020716)	437294.85	3725748.44	9.77810	(11121914)
437324.40	3725773.56	9.25685	(11121914)	437331.79	3725779.84	9.08916	(11021816)
437339.18	3725786.12	9.33935	(14121210)	437346.57	3725792.40	9.65536	(14121210)
437225.68	3725714.34	9.95871	(12020716)	437220.63	3725706.39	9.85936	(12020716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437215.58	3725698.43	9.69539	(12020716)	437210.54	3725690.47	9.46816	(12020716)
437205.49	3725682.51	9.18095	(12020716)	437200.44	3725674.55	8.83885	(12020716)
437175.21	3725634.76	9.29443	(13020516)	437170.16	3725626.80	9.68903	(13020516)
437165.12	3725618.85	10.08883	(13020516)	437160.07	3725610.89	10.44376	(13020516)
437155.02	3725602.93	10.74189	(13020516)	437149.97	3725594.97	10.98066	(13020516)
437134.83	3725571.10	11.38521	(13020516)	437129.79	3725563.14	11.39020	(13020516)
437124.74	3725555.18	11.32521	(13020516)	437245.86	3725746.18	9.70293	(12020716)
437253.25	3725752.46	9.54996	(12020716)	437260.64	3725758.74	9.33251	(12020716)
437268.03	3725765.02	9.05678	(12020716)	437275.42	3725771.30	8.92471	(11121914)
437282.81	3725777.58	8.88620	(11121914)	437312.37	3725802.70	8.25479	(11121914)
437319.75	3725808.98	8.40651	(11021816)	437327.14	3725815.26	8.67673	(14121210)
437221.26	3725760.88	9.04053	(12020716)	437216.09	3725752.72	9.13897	(12020716)
437210.91	3725744.56	9.17617	(12020716)	437205.74	3725736.40	9.14904	(12020716)
437169.51	3725679.27	7.36982	(12020716)	437164.34	3725671.11	7.40798	(13020516)
437159.16	3725662.95	7.84747	(13020516)	437153.99	3725654.79	8.27001	(13020516)
437148.81	3725646.63	8.66239	(13020516)	437143.64	3725638.47	9.02467	(13020516)
437138.46	3725630.31	9.35500	(13020516)	437133.29	3725622.15	9.65297	(13020516)
437102.24	3725573.19	10.39060	(13020516)	437307.72	3725838.12	7.81710	(14121210)
437176.09	3725743.14	8.25197	(12020716)	437170.94	3725735.02	8.07266	(12020716)
437165.78	3725726.89	7.84158	(12020716)	437160.63	3725718.77	7.56451	(12020716)
437140.02	3725686.26	6.79430	(13020516)	437134.87	3725678.14	7.19556	(13020516)
437129.71	3725670.01	7.58363	(13020516)	437098.80	3725621.26	9.29910	(13020516)
437093.64	3725613.14	9.44450	(13020516)	437088.49	3725605.01	9.54155	(13020516)
437083.34	3725596.89	9.58862	(13020516)	437176.02	3725814.36	7.50033	(12020716)
437170.93	3725806.34	7.59217	(12020716)	437165.85	3725798.32	7.64014	(12020716)
437160.77	3725790.31	7.64178	(12020716)	437155.68	3725782.29	7.59613	(12020716)
437125.18	3725734.19	6.37758	(12020716)	437120.09	3725726.17	6.05048	(12020716)
437115.01	3725718.15	5.97398	(12041309)	437109.92	3725710.14	5.94029	(12041309)
437104.84	3725702.12	6.27828	(13020516)	437099.76	3725694.10	6.62533	(13020516)
437094.67	3725686.08	6.95670	(13020516)	437089.59	3725678.07	7.26810	(13020516)
437084.50	3725670.05	7.55922	(13020516)	437079.42	3725662.03	7.82656	(13020516)
437059.08	3725629.96	8.56272	(13020516)	437054.00	3725621.95	8.64451	(13020516)
437048.92	3725613.93	8.68225	(13020516)	437181.10	3725822.37	7.36477	(12020716)
437188.49	3725828.65	7.22928	(12020716)	437195.88	3725834.93	7.04793	(12020716)
437203.27	3725841.21	6.82802	(12020716)	437210.66	3725847.49	6.69438	(11121914)
437218.05	3725853.77	6.67618	(11121914)	437225.44	3725860.05	6.62405	(11121914)
437232.83	3725866.33	6.53805	(11121914)	437240.22	3725872.61	6.42287	(11121914)
437247.60	3725878.89	6.28002	(11121914)	437254.99	3725885.17	6.18047	(11111814)
437262.38	3725891.45	6.21376	(11021816)	437150.05	3725844.74	6.80798	(12020716)
437144.91	3725836.63	6.90094	(12020716)	437119.19	3725796.07	6.72657	(12020716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437114.04	3725787.95	6.56304	(12020716)	437108.90	3725779.84	6.36246	(12020716)
437103.75	3725771.73	6.12284	(12020716)	437072.88	3725723.05	5.64162	(13020516)
437052.31	3725690.60	6.82730	(13020516)	437047.16	3725682.49	7.07491	(13020516)
437042.02	3725674.38	7.29698	(13020516)	437036.87	3725666.27	7.48699	(13020516)
437031.73	3725658.15	7.64209	(13020516)	437026.58	3725650.04	7.75693	(13020516)
437155.20	3725852.85	6.67754	(12020716)	437162.59	3725859.13	6.54950	(12020716)
437169.98	3725865.41	6.38282	(12020716)	437177.37	3725871.69	6.18063	(12020716)
437184.76	3725877.97	6.00440	(11121914)	437192.14	3725884.25	5.99099	(11121914)
437199.53	3725890.53	5.95059	(11121914)	437206.92	3725896.81	5.87828	(11121914)
437214.31	3725903.09	5.78107	(11121914)	437221.70	3725909.37	5.66061	(11121914)
437229.09	3725915.65	5.60492	(11111814)	437236.48	3725921.93	5.63174	(11111814)
437124.21	3725875.32	6.19802	(12020716)	437119.13	3725867.30	6.28965	(12020716)
437114.04	3725859.28	6.34651	(12020716)	437108.96	3725851.26	6.36780	(12020716)
437103.87	3725843.25	6.34761	(12020716)	437098.79	3725835.23	6.29053	(12020716)
437093.71	3725827.21	6.19184	(12020716)	437088.62	3725819.20	6.05924	(12020716)
437027.61	3725722.99	5.90783	(13020516)	437022.53	3725714.97	6.16150	(13020516)
437017.44	3725706.96	6.38508	(13020516)	437012.36	3725698.94	6.58876	(13020516)
437007.28	3725690.92	6.77061	(13020516)	437002.19	3725682.91	6.92720	(13020516)
436997.11	3725674.89	7.05569	(13020516)	436992.02	3725666.87	7.15231	(13020516)
436986.94	3725658.85	7.21799	(13020516)	436981.85	3725650.84	7.25287	(13020516)
436936.10	3725578.68	6.17045	(13020516)	436931.01	3725570.67	5.93719	(13020516)
437129.29	3725883.33	6.07590	(12020716)	437136.68	3725889.61	5.95519	(12020716)
437144.07	3725895.89	5.80102	(12020716)	437151.46	3725902.17	5.61738	(12020716)
437158.85	3725908.45	5.40529	(12020716)	437166.24	3725914.73	5.39680	(11121914)
437173.63	3725921.01	5.36447	(11121914)	437181.02	3725927.29	5.30559	(11121914)
437188.41	3725933.57	5.22326	(11121914)	437195.80	3725939.85	5.12181	(11121914)
437203.19	3725946.13	5.11567	(11111814)	437210.57	3725952.41	5.15029	(11111814)
437098.25	3725905.71	5.66537	(12020716)	437093.11	3725897.61	5.75016	(12020716)
437087.98	3725889.50	5.80483	(12020716)	437082.84	3725881.40	5.82698	(12020716)
437077.70	3725873.30	5.81817	(12020716)	437072.56	3725865.20	5.78045	(12020716)
437067.42	3725857.10	5.71102	(12020716)	437062.28	3725848.99	5.61057	(12020716)
437057.15	3725840.89	5.48081	(12020716)	437052.01	3725832.79	5.32071	(12020716)
437046.87	3725824.69	5.13384	(12020716)	437041.73	3725816.58	4.99763	(11112809)
437036.59	3725808.48	5.01167	(11112809)	437031.46	3725800.38	5.02447	(11112809)
437026.32	3725792.28	5.03581	(11112809)	437021.18	3725784.17	5.03963	(11112809)
437016.04	3725776.07	5.04131	(11112809)	437010.90	3725767.97	5.04224	(11112809)
437005.76	3725759.87	5.03807	(11112809)	436974.93	3725711.25	6.26984	(13020516)
436969.80	3725703.15	6.41454	(13020516)	436964.66	3725695.05	6.53269	(13020516)
436959.52	3725686.94	6.62396	(13020516)	436954.38	3725678.84	6.69364	(13020516)
436903.00	3725597.82	5.73449	(13020516)	436897.86	3725589.72	5.52347	(13020516)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436892.72	3725581.61	5.43224	(11120516)	436887.58	3725573.51	5.49101	(11120516)
437103.39	3725913.81	5.55118	(12020716)	437110.78	3725920.09	5.43630	(12020716)
437118.17	3725926.37	5.29632	(12020716)	437125.56	3725932.65	5.12685	(12020716)
437132.95	3725938.93	4.93133	(12020716)	437140.34	3725945.21	4.86506	(11121914)
437147.72	3725951.49	4.83491	(11121914)	437155.11	3725957.77	4.81182	(12123109)
437162.50	3725964.05	4.82263	(12123109)	437169.89	3725970.33	4.82901	(12123109)
437177.28	3725976.61	4.83254	(12123109)	437184.67	3725982.89	4.83325	(12123109)
437072.30	3725936.11	5.24422	(12020716)	437067.11	3725927.93	5.32602	(12020716)
437061.92	3725919.75	5.38496	(12020716)	437056.73	3725911.57	5.41515	(12020716)
437051.55	3725903.39	5.41403	(12020716)	437046.36	3725895.21	5.38524	(12020716)
437041.17	3725887.03	5.33195	(12020716)	437035.98	3725878.85	5.24899	(12020716)
437030.79	3725870.66	5.13755	(12020716)	437025.61	3725862.48	4.99986	(12020716)
437020.42	3725854.30	4.83843	(12020716)	437015.23	3725846.12	4.83019	(11112809)
437010.04	3725837.94	4.84598	(11112809)	437004.86	3725829.76	4.86005	(11112809)
436999.67	3725821.58	4.87304	(11112809)	436994.48	3725813.40	4.88126	(11112809)
436989.29	3725805.22	4.88572	(11112809)	436984.10	3725797.04	4.88703	(11112809)
436978.92	3725788.86	4.88651	(11112809)	436973.73	3725780.68	4.87907	(11112809)
436968.54	3725772.50	4.87584	(13020516)	436963.35	3725764.32	5.09536	(13020516)
436958.16	3725756.13	5.30289	(13020516)	436927.04	3725707.05	6.16565	(13020516)
436921.85	3725698.87	6.24011	(13020516)	436875.16	3725625.24	5.53025	(13020516)
436869.97	3725617.06	5.35846	(13020516)	436864.78	3725608.88	5.17681	(13020516)
436859.59	3725600.70	4.98104	(13020516)	436854.41	3725592.52	5.03790	(11120516)
436849.22	3725584.34	5.08360	(11120516)	436844.03	3725576.16	5.10529	(11120516)
436838.84	3725567.98	5.10262	(11120516)	437077.49	3725944.29	5.13351	(12020716)
437084.88	3725950.57	5.02103	(12020716)	437092.26	3725956.85	4.88398	(12020716)
437099.65	3725963.13	4.72275	(12020716)	437107.04	3725969.41	4.60011	(12123109)
437114.43	3725975.69	4.61910	(12123109)	437121.82	3725981.97	4.63626	(12123109)
437129.21	3725988.25	4.65126	(12123109)	437136.60	3725994.53	4.66182	(12123109)
437143.99	3726000.81	4.66927	(12123109)	437151.38	3726007.09	4.67450	(12123109)
437158.77	3726013.37	4.67692	(12123109)	437046.45	3725966.68	4.94826	(12020716)
437041.32	3725958.58	5.02698	(12020716)	437036.18	3725950.49	5.07946	(12020716)
437031.05	3725942.39	5.10858	(12020716)	437025.92	3725934.30	5.11539	(12020716)
437020.78	3725926.20	5.09937	(12020716)	437015.65	3725918.11	5.05601	(12020716)
437010.52	3725910.02	4.98766	(12020716)	437005.38	3725901.92	4.89626	(12020716)
437000.25	3725893.83	4.78339	(12020716)	436995.12	3725885.73	4.65152	(12020716)
436989.99	3725877.64	4.67323	(11112809)	436984.85	3725869.55	4.68990	(11112809)
436979.72	3725861.45	4.70507	(11112809)	436974.59	3725853.36	4.71836	(11112809)
436969.45	3725845.26	4.72976	(11112809)	436964.32	3725837.17	4.73541	(11112809)
436959.19	3725829.07	4.74018	(11112809)	436954.05	3725820.98	4.74235	(11112809)
436948.92	3725812.89	4.74167	(11112809)	436943.79	3725804.79	4.73610	(11112809)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436938.66	3725796.70	4.72710	(11112809)	436933.52	3725788.60	4.71493	(11112809)
436928.39	3725780.51	4.86757	(13020516)	436923.26	3725772.42	5.04753	(13020516)
436918.12	3725764.32	5.21309	(13020516)	436912.99	3725756.23	5.36281	(13020516)
436841.13	3725642.91	5.21050	(13020516)	436835.99	3725634.81	5.04408	(13020516)
436830.86	3725626.72	4.86779	(13020516)	436825.73	3725618.63	4.69572	(13020516)
436820.60	3725610.53	4.65199	(11112909)	436815.46	3725602.44	4.68400	(11112909)
437051.58	3725974.77	4.84609	(12020716)	437058.97	3725981.05	4.73550	(12020716)
437066.36	3725987.33	4.60325	(12020716)	437073.75	3725993.61	4.44726	(12020716)
437081.14	3725999.89	4.46082	(12123109)	437088.53	3726006.17	4.47853	(12123109)
437095.92	3726012.45	4.49495	(12123109)	437103.31	3726018.73	4.50942	(12123109)
437110.69	3726025.01	4.51933	(12123109)	437118.08	3726031.29	4.52634	(12123109)
437125.47	3726037.57	4.53212	(12123109)	437132.86	3726043.85	4.53547	(12123109)
437020.50	3725997.08	4.64003	(12020716)	437015.32	3725988.92	4.72257	(12020716)
437010.14	3725980.75	4.77960	(12020716)	437004.96	3725972.59	4.81315	(12020716)
436999.79	3725964.42	4.82573	(12020716)	436994.61	3725956.26	4.81756	(12020716)
436989.43	3725948.09	4.78667	(12020716)	436984.25	3725939.92	4.73210	(12020716)
436979.07	3725931.76	4.65608	(12020716)	436973.89	3725923.59	4.55883	(12020716)
436968.72	3725915.43	4.50867	(11112809)	436963.54	3725907.26	4.53285	(11112809)
436958.36	3725899.10	4.55080	(11112809)	436953.18	3725890.93	4.56538	(11112809)
436948.00	3725882.77	4.57914	(11112809)	436942.82	3725874.60	4.59089	(11112809)
436937.65	3725866.43	4.59757	(11112809)	436932.47	3725858.27	4.60253	(11112809)
436927.29	3725850.10	4.60589	(11112809)	436922.11	3725841.94	4.60646	(11112809)
436916.93	3725833.77	4.60192	(11112809)	436911.76	3725825.61	4.59631	(11112809)
436906.58	3725817.44	4.58846	(11112809)	436901.40	3725809.28	4.57764	(11112809)
436896.22	3725801.11	4.56315	(11112809)	436891.04	3725792.94	4.71488	(13020516)
436885.86	3725784.78	4.86529	(13020516)	436880.69	3725776.61	5.00149	(13020516)
436875.51	3725768.45	5.12609	(13020516)	436870.33	3725760.28	5.24004	(13020516)
436865.15	3725752.12	5.33307	(13020516)	436808.19	3725662.30	4.97678	(13020516)
437025.68	3726005.25	4.53806	(12020716)	437033.07	3726011.53	4.43596	(12020716)
437040.46	3726017.81	4.31414	(12020716)	437047.84	3726024.09	4.31018	(12123109)
437055.23	3726030.37	4.33054	(12123109)	437062.62	3726036.65	4.34762	(12123109)
437070.01	3726042.93	4.36378	(12123109)	437077.40	3726049.21	4.37859	(12123109)
437084.79	3726055.49	4.38833	(12123109)	437092.18	3726061.77	4.39519	(12123109)
437099.57	3726068.05	4.40112	(12123109)	437106.96	3726074.33	4.40562	(12123109)
436994.64	3726027.64	4.32825	(12020716)	436989.52	3726019.55	4.40905	(12020716)
436984.39	3726011.47	4.46922	(12020716)	436979.26	3726003.38	4.50994	(12020716)
436974.13	3725995.29	4.53174	(12020716)	436969.00	3725987.20	4.53398	(12020716)
436963.87	3725979.12	4.51427	(12020716)	436958.74	3725971.03	4.47529	(12020716)
436953.61	3725962.94	4.41706	(12020716)	436948.49	3725954.85	4.36157	(16011309)
436943.36	3725946.77	4.37213	(11112809)	436938.23	3725938.68	4.39603	(11112809)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436933.10	3725930.59	4.41724	(11112809)	436927.97	3725922.50	4.43157	(11112809)
436922.84	3725914.42	4.44489	(11112809)	436917.71	3725906.33	4.45773	(11112809)
436912.58	3725898.24	4.46816	(11112809)	436907.46	3725890.15	4.47279	(11112809)
436902.33	3725882.07	4.47653	(11112809)	436897.20	3725873.98	4.47925	(11112809)
436892.07	3725865.89	4.47961	(11112809)	436886.94	3725857.80	4.47451	(11112809)
436881.81	3725849.72	4.46827	(11112809)	436866.43	3725825.45	4.43689	(11112809)
436861.30	3725817.37	4.42165	(11112809)	436856.17	3725809.28	4.44104	(13020516)
436851.04	3725801.19	4.57269	(13020516)	436845.91	3725793.11	4.68965	(13020516)
436840.78	3725785.02	4.79097	(13020516)	436835.65	3725776.93	4.87869	(13020516)
436830.53	3725768.84	4.95645	(13020516)	436825.40	3725760.76	5.01819	(13020516)
436999.77	3726035.73	4.23009	(12020716)	437007.16	3726042.01	4.19963	(16011309)
437014.55	3726048.29	4.17936	(16011309)	437021.94	3726054.57	4.18308	(12123109)
437029.33	3726060.85	4.20282	(12123109)	437036.72	3726067.13	4.21978	(12123109)
437044.11	3726073.41	4.23555	(12123109)	437051.50	3726079.69	4.25062	(12123109)
437058.89	3726085.97	4.26218	(12123109)	437066.28	3726092.25	4.27125	(12123109)
437073.66	3726098.53	4.27931	(12123109)	437081.05	3726104.81	4.28644	(12123109)
436968.70	3726058.05	4.12820	(16011309)	436963.53	3726049.90	4.15010	(16011309)
436958.36	3726041.75	4.18598	(12020716)	436953.19	3726033.60	4.22952	(12020716)
436948.02	3726025.44	4.25430	(12020716)	436942.85	3726017.29	4.26128	(12020716)
436937.68	3726009.14	4.24967	(12020716)	436932.51	3726000.98	4.23750	(16011309)
436927.34	3725992.83	4.24441	(16011309)	436922.17	3725984.68	4.24967	(16011309)
436917.00	3725976.52	4.24983	(16011309)	436911.83	3725968.37	4.27187	(11112809)
436906.66	3725960.22	4.29363	(11112809)	436901.48	3725952.07	4.30819	(11112809)
436896.31	3725943.91	4.32184	(11112809)	436891.14	3725935.76	4.33478	(11112809)
436885.97	3725927.61	4.34687	(11112809)	436880.80	3725919.45	4.35319	(11112809)
436875.63	3725911.30	4.35716	(11112809)	436870.46	3725903.15	4.36048	(11112809)
436865.29	3725894.99	4.36301	(11112809)	436860.12	3725886.84	4.36073	(11112809)
436854.95	3725878.69	4.35497	(11112809)	436834.27	3725846.08	4.31608	(11112809)
436829.10	3725837.92	4.30023	(11112809)	436823.93	3725829.77	4.28322	(11112809)
436818.76	3725821.62	4.26886	(13020516)	436813.59	3725813.46	4.37529	(13020516)
436808.42	3725805.31	4.46880	(13020516)	436803.25	3725797.16	4.55466	(13020516)
436798.08	3725789.01	4.62571	(13020516)	436792.91	3725780.85	4.68291	(13020516)
436687.87	3725073.86	4.62855	(12121309)	436973.87	3726066.21	4.10227	(16011309)
436981.26	3726072.49	4.08248	(16011309)	436988.65	3726078.77	4.06262	(16011309)
436996.04	3726085.05	4.06641	(12123109)	437003.43	3726091.33	4.08545	(12123109)
437010.81	3726097.61	4.10251	(12123109)	437018.20	3726103.89	4.11856	(12123109)
437025.59	3726110.17	4.13405	(12123109)	437032.98	3726116.45	4.14606	(12123109)
437040.37	3726122.73	4.15581	(12123109)	437047.76	3726129.01	4.16453	(12123109)
437055.15	3726135.29	4.17230	(12123109)	436942.84	3726088.60	4.01888	(16011309)
436937.71	3726080.52	4.03976	(16011309)	436932.59	3726072.44	4.05821	(16011309)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436927.46	3726064.36	4.07626	(16011309)	436922.34	3726056.28	4.09397	(16011309)
436917.21	3726048.20	4.11006	(16011309)	436912.09	3726040.11	4.12172	(16011309)
436906.96	3726032.03	4.13089	(16011309)	436901.84	3726023.95	4.13896	(16011309)
436896.71	3726015.87	4.14571	(16011309)	436891.59	3726007.79	4.14694	(16011309)
436886.46	3725999.71	4.15328	(11112809)	436881.34	3725991.62	4.17458	(11112809)
436876.21	3725983.54	4.19142	(11112809)	436871.09	3725975.46	4.20439	(11112809)
436865.96	3725967.38	4.21669	(11112809)	436860.84	3725959.30	4.22859	(11112809)
436855.71	3725951.21	4.23905	(11112809)	436850.59	3725943.13	4.24390	(11112809)
436845.46	3725935.05	4.24715	(11112809)	436840.34	3725926.97	4.24963	(11112809)
436835.21	3725918.89	4.25246	(11112809)	436830.09	3725910.81	4.25055	(11112809)
436804.46	3725870.40	4.21079	(11112809)	436799.34	3725862.32	4.19610	(11112809)
436794.21	3725854.23	4.18003	(11112809)	436789.09	3725846.15	4.16226	(11112809)
436783.96	3725838.07	4.14129	(11112809)	436778.84	3725829.99	4.15434	(13020516)
436773.71	3725821.91	4.23783	(13020516)	436768.59	3725813.82	4.30958	(13020516)
436763.46	3725805.74	4.36947	(13020516)	436947.97	3726096.69	3.99409	(16011309)
436955.35	3726102.97	3.97470	(16011309)	436962.74	3726109.25	3.95589	(16011309)
436970.13	3726115.53	3.96020	(12123109)	436977.52	3726121.81	3.97891	(12123109)
436984.91	3726128.09	3.99630	(12123109)	436992.30	3726134.37	4.01275	(12123109)
436999.69	3726140.65	4.02862	(12123109)	437007.08	3726146.93	4.04071	(12123109)
437014.47	3726153.21	4.05085	(12123109)	437021.86	3726159.49	4.05976	(12123109)
437029.25	3726165.77	4.06741	(12123109)	437520.06	3725611.33	39.88121	(12041314)
437507.55	3725626.93	33.96073	(12041314)	437495.04	3725642.54	28.74838	(12041314)
437470.46	3725661.28	20.36382	(12041314)	437482.10	3725670.61	24.20047	(12041314)
437451.70	3725684.69	16.81472	(14121210)	437463.34	3725694.02	19.00609	(12041314)
437432.93	3725708.10	15.00352	(14121210)	437444.57	3725717.43	15.09925	(12041314)
437425.81	3725740.84	13.52505	(14121210)	437407.05	3725764.25	12.31239	(14121210)
437357.88	3725801.73	10.01324	(14121210)	437335.13	3725821.85	8.96061	(14121210)
437344.94	3725829.81	9.22087	(14121210)	437316.14	3725845.07	8.12372	(14121210)
437326.17	3725853.21	8.40610	(14121210)	437271.84	3725899.26	6.52420	(14121210)
437282.39	3725907.83	6.83101	(14121210)	437246.53	3725930.23	5.79081	(14121210)
437257.38	3725939.05	6.10213	(14121210)	437221.22	3725961.20	5.16533	(11111814)
437232.36	3725970.26	5.45600	(14121210)	437195.91	3725992.17	4.82683	(12123109)
437207.34	3726001.47	4.88071	(14121210)	437172.07	3726024.35	4.67180	(12123109)
437182.33	3726032.68	4.66326	(12123109)	437146.83	3726055.38	4.53219	(12123109)
437157.31	3726063.89	4.52528	(12123109)	437121.59	3726086.41	4.40536	(12123109)
437132.29	3726095.10	4.40022	(12123109)	437096.35	3726117.44	4.28900	(12123109)
437107.27	3726126.31	4.28524	(12123109)	437071.11	3726148.47	4.17912	(12123109)
437082.26	3726157.52	4.17781	(12123109)	437045.88	3726179.49	4.07687	(12123109)
437057.24	3726188.73	4.07688	(12123109)	437676.44	3725481.96	137.96325	(12041314)
437598.06	3725572.83	77.03225	(12041314)	437532.24	3725621.70	44.78300	(12041314)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437545.81	3725633.41	49.24235	(12041314)	437519.18	3725636.85	38.42805	(12041314)
437525.96	3725642.70	40.81578	(12041314)	437493.30	3725680.56	27.85848	(12041314)
437500.09	3725686.41	29.97785	(12041314)	437473.71	3725703.28	22.00356	(12041314)
437480.49	3725709.13	23.95078	(12041314)	437454.11	3725726.00	17.43954	(12041314)
437434.52	3725748.71	13.88789	(12041314)	437414.93	3725771.43	12.21202	(14121210)
437395.33	3725794.15	11.19114	(14121210)	437356.14	3725839.58	9.37191	(14121210)
437362.93	3725845.43	9.38595	(14121210)	437336.55	3725862.30	8.58740	(14121210)
437343.33	3725868.15	8.64388	(14121210)	437290.83	3725915.30	7.01894	(14121210)
437297.61	3725921.15	7.12910	(14121210)	437264.70	3725945.59	6.27182	(14121210)
437271.48	3725951.44	6.39759	(14121210)	437245.36	3725981.73	5.73584	(14121210)
437219.23	3726012.02	5.14925	(14121210)	437193.11	3726042.31	4.64357	(12123109)
437166.98	3726072.60	4.50985	(12123109)	437140.85	3726102.89	4.38922	(12123109)
437114.73	3726133.18	4.27818	(12123109)	437719.82	3725444.76	215.34243	(12113016)
437728.16	3725437.23	256.84843	(12113016)	437738.00	3725425.67	289.72175	(12113016)
437726.30	3725451.82	201.68612	(12113016)	437712.30	3725454.87	185.75932	(11110416)
437735.78	3725443.71	237.00351	(12113016)	437745.62	3725432.15	260.28557	(12113016)
437733.34	3725458.59	190.23117	(12113016)	437723.07	3725463.82	162.00044	(12113016)
437712.46	3725464.64	164.66283	(11110416)	437701.51	3725461.05	173.06422	(11110416)
437743.39	3725450.20	218.73826	(12113016)	437753.23	3725438.64	234.60926	(12113016)
437740.61	3725465.25	179.32027	(12113016)	437729.66	3725470.83	154.55463	(12113016)
437712.86	3725474.49	147.14923	(11110416)	437701.18	3725470.66	153.89538	(11110416)
437751.01	3725456.68	201.90763	(12113016)	437760.85	3725445.12	212.13408	(12113016)
437748.00	3725471.85	168.55584	(12113016)	437736.59	3725477.66	147.81587	(12113016)
437725.18	3725483.47	130.09694	(11110416)	437713.39	3725484.38	132.30319	(11110416)
437701.22	3725480.39	137.81352	(11110416)	437758.62	3725463.16	186.27150	(12113016)
437755.45	3725478.41	158.09392	(12113016)	437743.71	3725484.39	141.35424	(12113016)
437731.98	3725490.37	122.34272	(12113016)	437713.98	3725494.30	119.69299	(11110416)
437701.47	3725490.19	124.19838	(11110416)	437688.96	3725486.07	125.45512	(11110416)
437766.24	3725469.64	171.71339	(12113016)	437762.94	3725484.96	148.21873	(12113016)
437750.96	3725491.06	135.03792	(12113016)	437738.98	3725497.17	118.87748	(12113016)
437727.00	3725503.27	107.77807	(11110416)	437714.62	3725504.22	108.90391	(11110416)
437701.85	3725500.03	112.59065	(11110416)	437689.07	3725495.83	113.47044	(11110416)
437676.30	3725491.63	125.31036	(12041314)	437773.85	3725476.12	158.35279	(12113016)
437770.46	3725491.49	138.56129	(12113016)	437758.29	3725497.69	128.81941	(12113016)
437746.12	3725503.89	115.31706	(12113016)	437733.95	3725510.09	99.64438	(11110416)
437715.29	3725514.16	99.44668	(11110416)	437702.31	3725509.90	102.55418	(11110416)
437689.33	3725505.63	103.24467	(12110816)	437676.36	3725501.37	114.13174	(12041314)
437781.47	3725482.60	146.56049	(12113016)	437791.31	3725471.04	144.85718	(12113016)
437778.00	3725498.01	130.45983	(12113016)	437765.68	3725504.29	122.71195	(12113016)
437753.36	3725510.57	111.64938	(12113016)	437741.03	3725516.84	96.44333	(12113016)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437728.71	3725523.12	90.70513	(11110416)	437715.98	3725524.11	91.17472	(11110416)
437702.84	3725519.79	93.76798	(11110416)	437689.70	3725515.47	95.97932	(12110816)
437676.56	3725511.16	104.28736	(12041314)	437789.08	3725489.09	135.69754	(12113016)
437798.92	3725477.53	132.22325	(12113016)	437785.55	3725504.52	122.74662	(12113016)
437773.11	3725510.86	116.78798	(12113016)	437760.66	3725517.21	107.87442	(12113016)
437748.21	3725523.55	94.72550	(12113016)	437735.76	3725529.89	84.63412	(11110416)
437716.68	3725534.05	83.91252	(11110416)	437703.41	3725529.69	86.06817	(11110416)
437690.13	3725525.33	89.53350	(12110816)	437676.86	3725520.97	95.58186	(12041314)
437663.59	3725516.61	108.08921	(12041314)	437796.70	3725495.57	125.70431	(12113016)
437806.54	3725484.01	120.81474	(12113016)	437800.69	3725517.53	109.28535	(12113016)
437788.05	3725523.97	105.40972	(12113016)	437775.41	3725530.41	100.10899	(12113016)
437762.77	3725536.85	90.61082	(12113016)	437750.13	3725543.29	78.26299	(12113016)
437737.49	3725549.73	72.77074	(11110416)	437718.11	3725553.96	71.86886	(11110416)
437704.64	3725549.53	73.37151	(11110416)	437691.16	3725545.11	78.53054	(12110816)
437677.68	3725540.68	82.34043	(12110816)	437664.21	3725536.25	92.25438	(12041314)
437650.73	3725531.82	100.96153	(12041314)	437811.93	3725508.53	108.04387	(12113016)
437821.77	3725496.97	101.31970	(12113016)	437815.85	3725530.53	96.82822	(12113016)
437803.07	3725537.04	95.68786	(12113016)	437790.29	3725543.56	92.26571	(12113016)
437777.51	3725550.07	85.83869	(12113016)	437764.73	3725556.58	76.34886	(12113016)
437751.95	3725563.09	64.97890	(12113016)	437739.17	3725569.60	63.19975	(11110416)
437719.58	3725573.88	62.19594	(11110416)	437705.95	3725569.40	64.62665	(14120316)
437692.32	3725564.92	69.55764	(12110816)	437678.70	3725560.45	73.08885	(12110816)
437665.07	3725555.97	79.27066	(12041314)	437651.44	3725551.49	87.67489	(12041314)
437637.82	3725547.02	93.33986	(12041314)	437827.16	3725521.50	93.14699	(12113016)
437837.00	3725509.94	85.35059	(12113016)	437779.48	3725569.79	73.60934	(12113016)
437766.59	3725576.36	64.45322	(12113016)	437753.70	3725582.92	56.27460	(11110416)
437740.81	3725589.49	55.45682	(11110416)	437721.06	3725593.80	54.36726	(14120316)
437707.31	3725589.29	57.84289	(14120316)	437693.57	3725584.77	62.14247	(12110816)
437679.83	3725580.26	65.38574	(12110816)	437666.09	3725575.74	68.53821	(12041314)
437652.35	3725571.23	76.48351	(12041314)	437638.61	3725566.71	82.32704	(12041314)
437624.87	3725562.20	85.59787	(12041314)	437846.21	3725556.51	75.63531	(12113016)
437833.24	3725563.12	79.38433	(12113016)	437820.27	3725569.73	79.12458	(12113016)
437755.41	3725602.78	50.13147	(11110416)	437742.44	3725609.39	49.39832	(11110416)
437722.55	3725613.73	50.36774	(14120316)	437708.72	3725609.18	53.21255	(14120316)
437694.88	3725604.64	57.16542	(12110816)	437681.05	3725600.09	59.56173	(12110816)
437667.22	3725595.55	61.17054	(12110816)	437653.39	3725591.01	67.72754	(12041314)
437639.56	3725586.46	73.60745	(12041314)	437625.73	3725581.92	77.37159	(12041314)
437611.89	3725577.37	78.38762	(12041314)	437857.62	3725547.42	69.35919	(12113016)
437867.46	3725535.86	61.03152	(12113016)	437861.41	3725569.49	66.57482	(12113016)
437848.37	3725576.13	71.60781	(12113016)	437809.24	3725596.07	67.41666	(12113016)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437796.20	3725602.71	61.81080	(12113016)	437724.05	3725633.65	46.58400	(14120316)
437710.14	3725629.09	49.26474	(12110816)	437696.24	3725624.52	53.44589	(12110816)
437682.33	3725619.95	56.18049	(12110816)	437668.43	3725615.38	57.61592	(12110816)
437654.52	3725610.81	60.35053	(12041314)	437640.62	3725606.25	66.42274	(12041314)
437626.71	3725601.68	70.45523	(12041314)	437612.81	3725597.11	72.25944	(12041314)
437598.90	3725592.54	71.84782	(12041314)	437872.85	3725560.39	59.83823	(12113016)
437882.69	3725548.83	51.75038	(12113016)	437824.22	3725609.16	65.02205	(12113016)
437811.12	3725615.84	60.61657	(12113016)	437798.02	3725622.51	54.37483	(12113016)
437784.93	3725629.18	46.85437	(12113016)	437771.83	3725635.86	40.60354	(11110416)
437758.73	3725642.53	40.36444	(11110416)	437711.59	3725649.00	45.81166	(12110816)
437697.62	3725644.41	49.96876	(12110816)	437683.66	3725639.82	52.70049	(12110816)
437669.69	3725635.23	53.95079	(12110816)	437655.73	3725630.65	53.64102	(12110816)
437888.08	3725573.35	51.67119	(12113016)	437897.92	3725561.79	44.04238	(12113016)
437891.81	3725595.44	51.06627	(12113016)	437878.67	3725602.14	56.85226	(12113016)
437865.52	3725608.84	60.91327	(12113016)	437812.94	3725635.63	53.44625	(12113016)
437799.80	3725642.33	47.07248	(12113016)	437786.65	3725649.03	39.87874	(12113016)
437773.51	3725655.73	36.65290	(11110416)	437760.36	3725662.42	36.31400	(11110416)
437747.22	3725669.12	36.35571	(14120316)	437699.03	3725664.31	46.52156	(12110816)
437903.31	3725586.31	44.64851	(12113016)	437913.15	3725574.75	37.51862	(12113016)
437907.02	3725608.42	44.79192	(12113016)	437893.84	3725615.14	50.46888	(12113016)
437880.65	3725621.85	54.78803	(12113016)	437854.28	3725635.29	57.47924	(12113016)
437841.10	3725642.01	55.62445	(12113016)	437827.91	3725648.73	51.89201	(12113016)
437775.17	3725675.60	33.23615	(11110416)	437761.98	3725682.32	32.80385	(11110416)
437748.80	3725689.04	33.73519	(14120316)	437587.99	3725647.26	57.50695	(12041314)
437573.93	3725642.65	56.15421	(12041314)	437559.87	3725638.03	53.32235	(12041314)
437918.54	3725599.28	38.64067	(12113016)	437928.38	3725587.72	32.10766	(12113016)
437922.24	3725621.39	39.27286	(12113016)	437909.01	3725628.13	44.75206	(12113016)
437895.79	3725634.86	49.17910	(12113016)	437869.35	3725648.34	53.27339	(12113016)
437856.13	3725655.07	52.56205	(12113016)	437842.91	3725661.81	49.98808	(12113016)
437829.69	3725668.55	45.96906	(12113016)	437816.47	3725675.28	40.83754	(12113016)
437776.81	3725695.49	30.23429	(11110416)	437763.59	3725702.23	29.74285	(11110416)
437750.37	3725708.97	31.35932	(14120316)	437589.13	3725667.08	53.81589	(12041314)
437575.04	3725662.45	52.96870	(12041314)	437560.94	3725657.81	50.76315	(12041314)
437546.84	3725653.18	47.46564	(12041314)	437933.77	3725612.24	33.49180	(12113016)
437943.61	3725600.68	27.56711	(12113016)	437937.45	3725634.36	34.45579	(12113016)
437924.20	3725641.11	39.62723	(12113016)	437910.95	3725647.87	43.94958	(12113016)
437884.45	3725661.37	49.02989	(12113016)	437871.20	3725668.12	49.16293	(12113016)
437857.94	3725674.87	47.65893	(12113016)	437844.69	3725681.63	44.73184	(12113016)
437831.44	3725688.38	40.59688	(12113016)	437791.69	3725708.63	27.78886	(11110416)
437778.44	3725715.39	27.59803	(11110416)	437562.07	3725677.62	48.32531	(12041314)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437547.94	3725672.98	45.61741	(12041314)	437533.81	3725668.34	41.84452	(12041314)
437949.00	3725625.21	29.12637	(12113016)	437958.84	3725613.65	23.76434	(12113016)
437960.27	3725653.82	28.38141	(12113016)	437946.98	3725660.59	33.11587	(12113016)
437933.69	3725667.36	37.27830	(12113016)	437907.12	3725680.90	42.93885	(12113016)
437893.83	3725687.68	44.03511	(12113016)	437880.54	3725694.45	43.83732	(12113016)
437867.25	3725701.22	42.27441	(12113016)	437853.96	3725707.99	39.46569	(12113016)
437814.09	3725728.31	27.14277	(11111816)	437800.80	3725735.08	24.49655	(11110416)
437521.34	3725693.40	36.31143	(12041314)	437971.84	3725644.65	23.65250	(12113016)
437981.68	3725633.09	19.25949	(12041315)	437983.10	3725673.27	23.47272	(12113016)
437969.78	3725680.06	27.68738	(12113016)	437956.46	3725686.85	31.60811	(12113016)
437929.81	3725700.42	37.67526	(12113016)	437916.49	3725707.21	39.39280	(12113016)
437903.17	3725714.00	40.03443	(12113016)	437889.85	3725720.79	39.49404	(12113016)
437876.52	3725727.58	37.79760	(12113016)	437836.55	3725747.95	27.56145	(12113016)
437823.23	3725754.73	24.36024	(11111816)	437494.70	3725713.80	27.91589	(12041314)
437994.68	3725664.10	19.36520	(12113016)	438004.52	3725652.54	16.67660	(12121716)
438005.93	3725692.72	19.47450	(12113016)	437992.58	3725699.53	23.19195	(12113016)
437979.23	3725706.33	26.77905	(12113016)	437952.53	3725719.93	32.85711	(12113016)
437939.18	3725726.74	34.94603	(12113016)	437925.83	3725733.54	36.19342	(12113016)
437912.48	3725740.34	36.45370	(12113016)	437899.13	3725747.14	35.66372	(12113016)
437859.08	3725767.55	28.07467	(12113016)	437845.73	3725774.36	24.74487	(11111816)
437468.02	3725734.19	20.82286	(12041314)	438017.53	3725683.54	15.94262	(12113016)
438027.37	3725671.98	14.87829	(12121716)	437975.27	3725739.43	28.52827	(12113016)
437961.90	3725746.25	30.76469	(12113016)	437948.52	3725753.06	32.36721	(12113016)
437935.15	3725759.88	33.20522	(12113016)	437921.77	3725766.69	33.14717	(12113016)
437881.65	3725787.14	28.02976	(12113016)	437868.28	3725793.95	25.05062	(12113016)
437484.09	3725768.62	24.24735	(12041314)	437469.83	3725763.93	21.20506	(12041314)
437455.57	3725759.25	18.22210	(12041314)	438040.37	3725702.99	13.71453	(12041315)
438050.21	3725691.43	13.34080	(12121716)	438051.60	3725731.63	13.49673	(12113016)
438038.21	3725738.45	16.33724	(12113016)	437998.02	3725758.93	24.73952	(12113016)
437984.63	3725765.75	27.05386	(12113016)	437971.23	3725772.58	28.88060	(12113016)
437957.84	3725779.40	30.07634	(12113016)	437944.44	3725786.23	30.54734	(12113016)
437904.26	3725806.71	27.48389	(12113016)	437890.86	3725813.53	25.17682	(12113016)
437500.27	3725803.09	26.29986	(12041314)	437485.98	3725798.40	23.94433	(12041314)
437471.70	3725793.70	21.32901	(12041314)	437457.42	3725789.01	18.70881	(12041314)
437443.13	3725784.32	16.09796	(12041314)	437428.85	3725779.63	13.60898	(12041314)
438063.22	3725722.43	12.10745	(12121716)	438073.06	3725710.87	12.04002	(12121716)
438020.78	3725778.41	21.41132	(12113016)	438007.37	3725785.25	23.70044	(12113016)
437993.96	3725792.08	25.63338	(12113016)	437980.54	3725798.92	27.08504	(12113016)
437967.13	3725805.75	27.94730	(12113016)	437953.72	3725812.59	28.15392	(12113016)
437940.30	3725819.42	27.67646	(12113016)	437926.89	3725826.26	26.54918	(12113016)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437913.48	3725833.09	24.85411	(12113016)	437530.84	3725842.28	27.74261	(12041314)
437502.23	3725832.89	25.25642	(12041314)	437487.93	3725828.19	23.40473	(12041314)
437473.63	3725823.49	21.24914	(12041314)	437459.32	3725818.79	18.96230	(12041314)
437445.02	3725814.09	16.62750	(12041314)	437430.72	3725809.39	14.33907	(12041314)
437416.42	3725804.70	12.16897	(12041314)	438097.27	3725770.53	10.19903	(12041315)
438083.84	3725777.37	11.52038	(12113016)	437976.41	3725832.11	25.96849	(12113016)
437962.98	3725838.96	25.96169	(12113016)	437949.55	3725845.80	25.35797	(12113016)
437936.12	3725852.64	24.20139	(12113016)	437547.19	3725876.81	25.70714	(12041314)
437532.87	3725872.11	25.66181	(12041314)	437518.56	3725867.40	25.13124	(12041314)
437504.24	3725862.70	24.11081	(12041314)	437489.92	3725858.00	22.70031	(12041314)
437461.28	3725848.59	19.01018	(12041314)	437446.96	3725843.88	16.94058	(12041314)
437432.64	3725839.18	14.84646	(12041314)	437418.32	3725834.47	12.82520	(12041314)
437404.00	3725829.77	10.89908	(12041314)	438108.91	3725761.32	9.96549	(12121716)
438118.75	3725749.76	9.88554	(12121716)	438120.11	3725789.97	9.17910	(12121716)
438106.67	3725796.82	9.84168	(12041315)	438093.22	3725803.67	11.69482	(12113016)
438079.78	3725810.53	13.79662	(12113016)	438066.33	3725817.38	15.94286	(12113016)
438052.89	3725824.23	18.02546	(12113016)	438039.45	3725831.08	19.94659	(12113016)
438026.00	3725837.93	21.60918	(12113016)	437606.62	3725925.49	18.41997	(12041314)
437592.28	3725920.78	20.12982	(12041314)	437577.95	3725916.07	21.63735	(12041314)
437549.28	3725906.65	23.49308	(12041314)	437534.94	3725901.94	23.71333	(12041314)
437520.61	3725897.23	23.49951	(12041314)	437506.27	3725892.52	22.86788	(12041314)
437491.94	3725887.81	21.86358	(12041314)	437477.60	3725883.10	20.52118	(12041314)
437463.27	3725878.40	18.89913	(12041314)	437448.93	3725873.69	17.10826	(12041314)
437420.27	3725864.27	13.32498	(12041314)	437405.93	3725859.56	11.49377	(12041314)
437391.60	3725854.85	9.77043	(12041314)	438131.75	3725780.77	9.10306	(12121716)
438141.59	3725769.21	9.02664	(12121716)	438142.95	3725809.42	8.42650	(12121716)
438129.49	3725816.28	8.79590	(12041315)	438116.03	3725823.14	9.92360	(12113016)
438102.58	3725829.99	11.81278	(12113016)	438089.12	3725836.85	13.74627	(12113016)
438075.66	3725843.71	15.67429	(12113016)	438062.21	3725850.56	17.51387	(12113016)
438048.75	3725857.42	19.18130	(12113016)	438035.30	3725864.28	20.58190	(12113016)
438021.84	3725871.14	21.63326	(12113016)	438008.38	3725877.99	22.26866	(12113016)
437994.93	3725884.85	22.44393	(12113016)	437623.13	3725960.06	18.22221	(12110816)
437608.78	3725955.35	16.96729	(12110816)	437594.43	3725950.64	18.10440	(12041314)
437580.08	3725945.92	19.54523	(12041314)	437565.73	3725941.21	20.72647	(12041314)
437551.38	3725936.50	21.56997	(12041314)	437508.34	3725922.36	21.72922	(12041314)
437493.99	3725917.64	21.01364	(12041314)	437479.64	3725912.93	19.97112	(12041314)
437465.29	3725908.21	18.65437	(12041314)	437450.94	3725903.50	17.12594	(12041314)
437436.60	3725898.79	15.45574	(12041314)	437422.25	3725894.07	13.72420	(12041314)
437407.90	3725889.36	11.99920	(12041314)	437364.85	3725875.22	8.74298	(14121210)
438154.60	3725800.21	8.34822	(12121716)	438164.44	3725788.65	8.26648	(12121716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438165.79	3725828.87	7.75916	(12121716)	438152.32	3725835.73	7.90421	(12041315)
438138.85	3725842.60	8.50000	(12041315)	438125.38	3725849.46	10.08953	(12113016)
438111.91	3725856.32	11.83539	(12113016)	438098.45	3725863.19	13.60763	(12113016)
438084.98	3725870.05	15.34380	(12113016)	438071.51	3725876.91	16.97171	(12113016)
438058.04	3725883.77	18.40904	(12113016)	438044.57	3725890.64	19.57779	(12113016)
438031.10	3725897.50	20.41204	(12113016)	438017.64	3725904.36	20.85746	(12113016)
438004.17	3725911.23	20.87761	(12113016)	437610.95	3725985.22	16.30018	(12110816)
437596.59	3725980.50	16.30812	(12041314)	437582.23	3725975.78	17.68963	(12041314)
437567.87	3725971.07	18.85923	(12041314)	437553.51	3725966.35	19.78051	(12041314)
437539.15	3725961.63	20.39513	(12041314)	437524.79	3725956.91	20.65886	(12041314)
437510.43	3725952.20	20.59105	(12041314)	437467.35	3725938.04	18.29695	(12041314)
437452.98	3725933.32	17.02101	(12041314)	437438.62	3725928.61	15.57755	(12041314)
437424.26	3725923.89	14.03840	(12041314)	437409.90	3725919.17	12.46425	(12041314)
437381.18	3725909.74	9.30310	(12041314)	437366.82	3725905.02	8.00802	(14121210)
437352.46	3725900.30	8.12936	(14121210)	438177.44	3725819.66	7.66660	(12121716)
438187.28	3725808.10	7.57637	(12121716)	438196.24	3725854.80	6.96268	(12121716)
438182.76	3725861.67	7.05527	(12121716)	438169.27	3725868.54	7.40322	(12041315)
438155.79	3725875.41	8.18609	(12113016)	438142.31	3725882.28	9.69156	(12113016)
438128.83	3725889.15	11.25344	(12113016)	438115.35	3725896.02	12.82765	(12113016)
438101.86	3725902.89	14.35871	(12113016)	438088.38	3725909.76	15.77960	(12113016)
438074.90	3725916.63	17.02627	(12113016)	438061.42	3725923.50	18.03638	(12113016)
438047.94	3725930.37	18.75060	(12113016)	438034.46	3725937.24	19.12604	(12113016)
438020.97	3725944.11	19.12040	(12113016)	437556.37	3726006.16	17.56676	(12041314)
437541.99	3726001.44	18.34935	(12041314)	437527.62	3725996.71	18.83012	(12041314)
437513.24	3725991.99	19.00733	(12041314)	437498.87	3725987.27	18.85285	(12041314)
437484.49	3725982.55	18.41165	(12041314)	437470.12	3725977.82	17.67724	(12041314)
437455.74	3725973.10	16.70043	(12041314)	437398.24	3725954.21	11.33329	(12041314)
437383.86	3725949.49	9.88274	(12041314)	437369.49	3725944.77	8.47151	(12041314)
437311.99	3725925.88	7.33259	(14121210)	438207.90	3725845.59	6.87420	(12121716)
438217.74	3725834.03	6.79271	(12121716)	438226.69	3725880.73	6.27430	(12121716)
438213.20	3725887.61	6.36964	(12121716)	438199.70	3725894.49	6.47860	(12041315)
438186.21	3725901.36	6.94419	(12041315)	438172.72	3725908.24	7.94294	(12113016)
438159.22	3725915.11	9.29727	(12113016)	438145.73	3725921.99	10.70092	(12113016)
438132.23	3725928.87	12.10369	(12113016)	438118.74	3725935.74	13.45504	(12113016)
438105.24	3725942.62	14.70078	(12113016)	438091.75	3725949.49	15.78991	(12113016)
438078.26	3725956.37	16.66591	(12113016)	438064.76	3725963.25	17.27486	(12113016)
438051.27	3725970.12	17.57330	(12113016)	437501.70	3726027.07	17.48659	(12041314)
437487.31	3726022.35	17.29949	(12041314)	437472.92	3726017.62	16.84795	(12041314)
437458.54	3726012.89	16.14338	(12041314)	437444.15	3726008.16	15.23363	(12041314)
437415.37	3725998.71	12.88507	(12041314)	437400.98	3725993.98	11.58105	(12041314)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437386.59	3725989.26	10.25783	(12041314)	437372.20	3725984.53	8.95197	(12041314)
437329.04	3725970.35	6.71592	(14121210)	437314.65	3725965.62	6.78669	(14121210)
437300.26	3725960.90	6.75704	(14121210)	437285.87	3725956.17	6.62611	(14121210)
438238.36	3725871.51	6.18619	(12121716)	438248.20	3725859.95	6.10276	(12022715)
438257.15	3725906.66	5.68255	(12121716)	438243.64	3725913.54	5.78122	(12121716)
438230.14	3725920.43	5.84122	(12121716)	438216.63	3725927.31	6.10818	(12041315)
438203.13	3725934.19	6.51843	(12113016)	438189.62	3725941.07	7.69296	(12113016)
438176.12	3725947.95	8.92880	(12113016)	438162.61	3725954.83	10.19197	(12113016)
438149.11	3725961.72	11.43385	(12113016)	438135.60	3725968.60	12.62533	(12113016)
438122.10	3725975.48	13.71831	(12113016)	438108.59	3725982.36	14.66652	(12113016)
438095.09	3725989.24	15.41931	(12113016)	438081.58	3725996.12	15.92752	(12113016)
437518.96	3726071.61	15.82123	(12041314)	437504.56	3726066.88	16.09738	(12041314)
437418.16	3726038.50	12.80157	(12041314)	437403.76	3726033.77	11.66870	(12041314)
437389.36	3726029.04	10.48214	(12041314)	437346.16	3726014.85	6.96240	(12041314)
437331.76	3726010.12	5.91925	(14121210)	437317.36	3726005.38	6.11410	(14121210)
437302.96	3726000.65	6.22115	(14121210)	437288.56	3725995.92	6.23335	(14121210)
437274.16	3725991.19	6.15214	(14121210)	437259.76	3725986.46	5.98595	(14121210)
438268.82	3725897.44	5.59002	(12121716)	438278.66	3725885.88	5.60109	(12022715)
438287.60	3725932.59	5.13769	(12121716)	438274.09	3725939.48	5.24831	(12121716)
438260.57	3725946.37	5.32307	(12121716)	438247.06	3725953.25	5.40291	(12041315)
438233.54	3725960.14	5.76698	(12041315)	438220.03	3725967.03	6.36806	(12113016)
438206.51	3725973.91	7.43926	(12113016)	438193.00	3725980.80	8.55874	(12113016)
438179.48	3725987.69	9.69104	(12113016)	438165.97	3725994.57	10.80467	(12113016)
438152.45	3726001.46	11.86348	(12113016)	438138.94	3726008.35	12.82353	(12113016)
438125.42	3726015.23	13.64657	(12113016)	438111.91	3726022.12	14.29394	(12113016)
437493.03	3726101.97	14.90996	(12041314)	437478.62	3726097.23	14.83672	(12041314)
437464.21	3726092.50	14.55383	(12041314)	437449.80	3726087.77	14.06278	(12041314)
437435.39	3726083.03	13.39279	(12041314)	437363.34	3726059.36	8.42767	(12041314)
437348.93	3726054.63	7.36689	(12041314)	437334.52	3726049.89	6.34081	(12041314)
437320.11	3726045.16	5.37955	(12041314)	437305.70	3726040.42	5.58475	(14121210)
437291.28	3726035.69	5.71475	(14121210)	437276.87	3726030.96	5.75892	(14121210)
437262.46	3726026.22	5.72182	(14121210)	437248.05	3726021.49	5.60166	(14121210)
437233.64	3726016.75	5.40759	(14121210)	438299.28	3725923.37	5.06287	(12022715)
438309.12	3725911.81	5.15850	(12022715)	438304.53	3725965.41	4.76011	(12121716)
438291.01	3725972.30	4.85015	(12121716)	438277.48	3725979.20	4.91159	(12121716)
438263.96	3725986.09	5.12689	(12041315)	438250.44	3725992.98	5.44273	(12041315)
438236.91	3725999.87	6.20627	(12113016)	438223.39	3726006.76	7.17983	(12113016)
438209.87	3726013.65	8.19684	(12113016)	438196.34	3726020.54	9.22446	(12113016)
438182.82	3726027.43	10.22461	(12113016)	438169.30	3726034.32	11.16344	(12113016)
438155.77	3726041.21	12.00790	(12113016)	438142.25	3726048.11	12.72277	(12113016)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437452.66	3726127.58	13.32974	(12041314)	437438.24	3726122.84	12.84333	(12041314)
437423.82	3726118.10	12.20829	(12041314)	437409.40	3726113.37	11.45239	(12041314)
437366.14	3726099.16	8.64089	(12041314)	437351.72	3726094.42	7.66468	(12041314)
437337.31	3726089.68	6.70571	(12041314)	437322.89	3726084.94	5.78477	(12041314)
437308.47	3726080.21	4.92249	(12041314)	437294.05	3726075.47	5.11525	(14121210)
437279.63	3726070.73	5.25889	(14121210)	437265.21	3726066.00	5.33049	(14121210)
437250.79	3726061.26	5.32984	(14121210)	437236.37	3726056.52	5.25470	(14121210)
437221.95	3726051.78	5.11009	(14121210)	437207.53	3726047.05	4.90370	(14121210)
438241.60	3726038.93	6.85085	(12113016)	438228.22	3726045.75	7.75491	(12113016)
438214.85	3726052.56	8.66997	(12113016)	438201.47	3726059.38	9.56482	(12113016)
438188.10	3726066.19	10.40093	(12113016)	438174.72	3726073.01	11.15271	(12113016)
437388.02	3726145.21	9.83685	(12041314)	437359.50	3726135.84	8.15229	(12041314)
437345.24	3726131.16	7.29908	(12041314)	437330.98	3726126.47	6.45539	(12041314)
437316.72	3726121.79	5.62677	(12041314)	437302.46	3726117.10	4.83487	(12041314)
437288.20	3726112.42	4.62866	(14121210)	437273.93	3726107.73	4.80836	(14121210)
437259.67	3726103.05	4.92864	(14121210)	437245.41	3726098.36	4.98611	(14121210)
437231.15	3726093.68	4.97817	(14121210)	437216.89	3726089.00	4.90428	(14121210)
437202.63	3726084.31	4.76939	(14121210)	437188.37	3726079.63	4.58447	(14121210)
437347.85	3726170.89	7.56721	(12041314)	437333.58	3726166.20	6.79102	(12041314)
437319.30	3726161.51	6.03228	(12041314)	437305.02	3726156.82	5.28374	(12041314)
437290.75	3726152.13	4.57078	(12041314)	437276.47	3726147.44	4.29611	(14121210)
437262.20	3726142.75	4.47978	(14121210)	437247.92	3726138.06	4.60935	(14121210)
437233.65	3726133.37	4.68356	(14121210)	437219.37	3726128.68	4.69954	(14121210)
437205.09	3726123.99	4.65767	(14121210)	437190.82	3726119.30	4.56525	(14121210)
437176.54	3726114.61	4.42549	(14121210)	437162.27	3726109.92	4.38610	(12123109)
437336.21	3726205.94	7.16430	(12041314)	437321.93	3726201.24	6.42489	(12041314)
437307.64	3726196.55	5.70513	(12041314)	437293.35	3726191.86	5.01010	(12041314)
437279.06	3726187.16	4.36451	(12041314)	437264.77	3726182.47	4.14857	(11020409)
437250.48	3726177.77	4.18879	(14121210)	437236.19	3726173.08	4.33050	(14121210)
437221.90	3726168.38	4.41982	(14121210)	437207.61	3726163.69	4.45959	(14121210)
437193.32	3726159.00	4.44398	(14121210)	437179.03	3726154.30	4.37629	(14121210)
437164.74	3726149.61	4.26589	(14121210)	437150.45	3726144.91	4.27137	(12123109)
437136.16	3726140.22	4.27819	(12123109)	437396.10	3726264.48	9.65531	(12041314)
437324.59	3726240.99	6.79990	(12041314)	437310.29	3726236.29	6.09090	(12041314)
437295.98	3726231.59	5.39379	(12041314)	437281.68	3726226.89	4.72991	(12041314)
437267.38	3726222.20	4.12681	(11020409)	437253.08	3726217.50	4.05121	(11020409)
437238.77	3726212.80	3.99027	(11011109)	437224.47	3726208.10	4.07033	(14121210)
437210.17	3726203.40	4.17362	(14121210)	437195.87	3726198.70	4.22688	(14121210)
437181.57	3726194.01	4.22947	(14121210)	437167.26	3726189.31	4.18623	(14121210)
437152.96	3726184.61	4.14533	(12123109)	437138.66	3726179.91	4.16058	(12123109)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437124.36	3726175.21	4.17014	(12123109)	437110.05	3726170.51	4.17611	(12123109)
437095.75	3726165.81	4.17577	(12123109)	437413.16	3726308.96	9.59691	(12041314)
437398.85	3726304.26	9.35889	(12041314)	437384.54	3726299.56	9.03108	(12041314)
437370.22	3726294.85	8.62124	(12041314)	437355.91	3726290.15	8.14238	(12041314)
437341.60	3726285.45	7.60608	(12041314)	437327.28	3726280.75	7.02833	(12041314)
437312.97	3726276.04	6.41176	(12041314)	437298.65	3726271.34	5.76476	(12041314)
437284.34	3726266.64	5.12827	(12041314)	437270.03	3726261.94	4.51504	(12041314)
437255.71	3726257.24	4.03021	(11020409)	437241.40	3726252.53	3.95962	(11020409)
437227.08	3726247.83	3.88345	(11020409)	437212.77	3726243.13	3.90781	(11011109)
437198.46	3726238.43	3.92881	(11011109)	437184.14	3726233.72	3.98707	(14121210)
437169.83	3726229.02	4.01252	(14121210)	437155.52	3726224.32	4.01732	(12123109)
437141.20	3726219.62	4.03882	(12123109)	437126.89	3726214.91	4.05533	(12123109)
437112.57	3726210.21	4.06613	(12123109)	437098.26	3726205.51	4.07317	(12123109)
437083.95	3726200.81	4.07643	(12123109)	437069.63	3726196.11	4.07529	(12123109)
437743.55	3725409.23	305.24348	(12113016)	437750.64	3725402.77	283.74967	(12113016)
437753.68	3725416.69	260.72729	(12113016)	437757.44	3725395.75	255.53585	(12113016)
437762.63	3725405.96	232.78595	(12113016)	437763.45	3725416.51	227.97149	(12113016)
437759.92	3725427.41	233.19072	(12113016)	437764.13	3725388.50	230.09579	(14121716)
437769.66	3725399.39	202.60241	(12113016)	437773.30	3725416.10	194.90651	(12113016)
437769.54	3725427.72	205.76332	(12113016)	437770.75	3725381.14	252.22905	(12022716)
437776.51	3725392.49	205.60657	(14121716)	437782.28	3725403.83	174.29500	(14121716)
437783.20	3725415.56	162.90822	(12113016)	437777.35	3725373.71	275.02480	(12022716)
437783.27	3725385.38	219.91378	(12022716)	437789.20	3725397.05	184.71417	(14121716)
437785.04	3725439.85	163.63643	(12113016)	437783.92	3725366.25	288.62521	(12022716)
437789.97	3725378.16	241.41825	(12022716)	437796.02	3725390.07	191.94201	(12022716)
437798.92	3725427.01	125.36399	(12113016)	437794.79	3725439.72	140.64150	(12113016)
437790.48	3725358.75	294.91564	(12022716)	437796.63	3725370.85	256.07884	(12022716)
437802.77	3725382.96	211.60578	(12022716)	437812.97	3725413.62	141.71169	(14121716)
437808.79	3725426.53	119.91744	(14121716)	437804.60	3725439.44	118.51307	(12113016)
437800.41	3725452.35	131.52793	(12113016)	437797.03	3725351.24	298.39239	(12022716)
437803.26	3725363.49	264.76051	(12022716)	437809.48	3725375.75	226.73568	(12022716)
437821.92	3725400.25	154.28633	(14121716)	437822.92	3725412.92	138.58172	(14121716)
437818.68	3725425.99	120.28114	(14121716)	437814.44	3725439.06	98.29308	(14121716)
437810.20	3725452.14	112.40903	(12113016)	437805.96	3725465.21	123.11106	(12113016)
437803.58	3725343.71	299.00540	(12022716)	437809.86	3725356.09	269.19489	(12022716)
437816.15	3725368.47	236.97275	(12022716)	437828.72	3725393.22	164.93099	(12022716)
437832.86	3725412.20	134.66415	(14121716)	437828.58	3725425.41	119.58552	(14121716)
437824.30	3725438.61	100.34140	(14121716)	437820.02	3725451.82	94.25341	(12113016)
437815.74	3725465.02	106.70119	(12113016)	437816.65	3725328.63	290.46038	(12022716)
437823.03	3725341.20	269.75580	(12022716)	437829.41	3725353.76	246.22132	(12022716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437842.18	3725378.90	188.98029	(12022716)	437848.56	3725391.47	159.45545	(12022716)
437852.77	3725410.74	125.03085	(14121716)	437848.42	3725424.15	115.66460	(14121716)
437844.08	3725437.56	101.64320	(14121716)	437831.04	3725477.78	87.17874	(12113016)
437829.71	3725313.52	267.53059	(12022716)	437836.16	3725326.23	258.17691	(12022716)
437842.62	3725338.94	243.37011	(12022716)	437855.52	3725364.35	200.52070	(12022716)
437861.98	3725377.06	177.18851	(12022716)	437868.43	3725389.77	152.83396	(12022716)
437872.68	3725409.25	118.20535	(12022716)	437859.50	3725449.93	87.11207	(14121716)
437855.10	3725463.48	72.62939	(14121716)	437850.71	3725477.04	61.17361	(12113016)
437846.31	3725490.60	71.43518	(12113016)	437842.76	3725298.40	228.28298	(12022716)
437849.27	3725311.21	232.70979	(12022716)	437855.78	3725324.03	229.18899	(12022716)
437868.79	3725349.65	203.12516	(12022716)	437875.30	3725362.47	185.65936	(12022716)
437881.81	3725375.28	166.41835	(12022716)	437888.31	3725388.10	145.48803	(12022716)
437888.17	3725421.42	100.90114	(14121716)	437879.31	3725448.76	86.72007	(14121716)
437874.88	3725462.43	75.27476	(14121716)	437855.81	3725283.26	174.29733	(12022716)
437862.36	3725296.16	190.28876	(12022716)	437868.91	3725309.06	198.26850	(12022716)
437882.01	3725334.86	194.93781	(12022716)	437888.56	3725347.76	184.79011	(12022716)
437895.11	3725360.65	172.31231	(12022716)	437901.66	3725373.55	157.61574	(12022716)
437912.53	3725406.23	115.48167	(12022716)	437908.07	3725419.99	97.31209	(12022716)
437903.61	3725433.75	89.47620	(14121716)	437881.30	3725502.56	43.71952	(14121716)
437876.84	3725516.32	48.67267	(12113016)	437868.85	3725268.12	121.87571	(12022716)
437875.43	3725281.09	141.86442	(12022716)	437882.02	3725294.05	157.30060	(12022716)
437895.19	3725319.99	172.52564	(12022716)	437901.77	3725332.95	172.46545	(12022716)
437908.36	3725345.92	167.92328	(12022716)	437914.94	3725358.89	159.79255	(12022716)
437928.11	3725384.82	134.85970	(12022716)	437932.46	3725404.70	114.02369	(12022716)
437927.97	3725418.54	98.04917	(12022716)	437923.49	3725432.37	82.50920	(14121716)
437919.00	3725446.21	79.39664	(14121716)	437910.03	3725473.88	66.32147	(14121716)
437905.55	3725487.71	57.19010	(14121716)	437901.06	3725501.54	47.57362	(14121716)
437896.58	3725515.38	38.27947	(14121716)	437892.09	3725529.21	40.30283	(12113016)
437881.89	3725252.97	83.33580	(14120116)	437888.50	3725265.99	99.27038	(12022716)
437895.12	3725279.02	116.43927	(12022716)	437908.34	3725305.06	141.67356	(12022716)
437914.96	3725318.09	148.45781	(12022716)	437921.57	3725331.11	151.14366	(12022716)
437928.18	3725344.13	149.95982	(12022716)	437941.41	3725370.18	137.72644	(12022716)
437948.02	3725383.20	127.80676	(12022716)	437952.39	3725403.17	111.39587	(12022716)
437947.88	3725417.07	98.45944	(12022716)	437943.38	3725430.96	83.61548	(12022716)
437938.87	3725444.86	74.79337	(14121716)	437934.37	3725458.75	71.26233	(14121716)
437925.36	3725486.54	58.40269	(14121716)	437920.85	3725500.43	50.23320	(14121716)
437916.35	3725514.33	41.82525	(14121716)	437911.85	3725528.22	33.76021	(14121716)
437894.93	3725237.82	69.05298	(14120116)	437901.56	3725250.89	73.39623	(14120116)
437908.20	3725263.96	82.00427	(12022716)	437921.48	3725290.10	109.59871	(12022716)
437928.11	3725303.17	120.06568	(12022716)	437934.75	3725316.24	127.50098	(12022716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437941.39	3725329.31	131.70463	(12022716)	437954.66	3725355.45	130.74712	(12022716)
437961.30	3725368.52	126.02543	(12022716)	437967.94	3725381.59	119.02102	(12022716)
437972.32	3725401.64	107.02888	(12022716)	437967.80	3725415.58	97.57414	(12022716)
437963.27	3725429.53	85.12553	(12022716)	437958.75	3725443.47	71.00200	(12022716)
437954.23	3725457.41	67.60995	(14121716)	437949.71	3725471.36	63.77328	(14121716)
437940.67	3725499.25	51.68244	(14121716)	437936.15	3725513.19	44.43345	(14121716)
437931.63	3725527.14	37.09151	(14121716)	437907.96	3725222.66	62.93234	(14010316)
437914.62	3725235.77	61.17936	(14120116)	437921.28	3725248.88	64.89809	(14120116)
437934.59	3725275.10	81.02093	(12022716)	437941.25	3725288.21	92.45667	(12022716)
437947.91	3725301.32	102.15175	(12022716)	437954.57	3725314.43	109.63740	(12022716)
437967.88	3725340.66	117.09496	(12022716)	437974.54	3725353.77	116.92088	(12022716)
437981.20	3725366.88	114.22328	(12022716)	437987.86	3725379.99	109.43363	(12022716)
437992.25	3725400.09	101.04402	(12022716)	437987.71	3725414.08	94.53505	(12022716)
437983.18	3725428.07	84.94433	(12022716)	437978.64	3725442.06	73.05018	(12022716)
437974.11	3725456.05	63.21480	(14121716)	437969.57	3725470.03	61.12620	(14121716)
437965.04	3725484.02	57.32375	(14121716)	437955.97	3725512.00	46.05776	(14121716)
437951.44	3725525.99	39.62396	(14121716)	437946.90	3725539.97	33.16108	(14121716)
437927.67	3725220.64	55.16372	(14010316)	437934.35	3725233.79	54.51780	(14120116)
437947.70	3725260.08	59.20521	(14120116)	437954.37	3725273.23	68.57343	(12022716)
437961.05	3725286.37	78.58575	(12022716)	437967.72	3725299.52	87.38723	(12022716)
437981.08	3725325.81	99.97326	(12022716)	437987.75	3725338.96	103.19123	(12022716)
437994.43	3725352.10	104.22004	(12022716)	438001.10	3725365.25	103.14043	(12022716)
438007.78	3725378.39	100.20190	(12022716)	438012.18	3725398.55	94.62285	(12022716)
438007.63	3725412.58	90.30691	(12022716)	438003.09	3725426.60	83.17797	(12022716)
437998.54	3725440.63	73.52827	(12022716)	437993.99	3725454.65	62.21111	(12022716)
437989.45	3725468.68	57.64460	(14121716)	437984.90	3725482.70	55.37191	(14121716)
437980.35	3725496.73	51.64986	(14121716)	437971.26	3725524.78	41.28652	(14121716)
437966.71	3725538.80	35.47525	(14121716)	437962.17	3725552.83	29.73334	(14121716)
437912.05	3725196.12	60.95444	(14010316)	437959.85	3725243.19	51.40442	(14120116)
437972.81	3725268.72	56.71288	(12022716)	437979.30	3725281.48	65.31295	(12022716)
437992.26	3725307.01	80.10681	(12022716)	437998.74	3725319.77	85.68591	(12022716)
438005.22	3725332.54	89.73446	(12022716)	438011.71	3725345.30	92.19204	(12022716)
438018.19	3725358.07	92.97264	(12022716)	438024.67	3725370.83	92.14611	(12022716)
438031.15	3725383.59	89.83483	(12022716)	438032.19	3725396.79	88.10768	(12022716)
438027.77	3725410.40	85.86636	(12022716)	438023.36	3725424.02	81.01405	(12022716)
438018.94	3725437.64	73.86570	(12022716)	438014.53	3725451.26	64.87550	(12022716)
438010.11	3725464.88	54.74304	(12022716)	438005.70	3725478.49	52.98487	(14121716)
438001.28	3725492.11	50.99212	(14121716)	437996.87	3725505.73	47.76885	(14121716)
437988.04	3725532.97	38.82583	(14121716)	437983.62	3725546.58	33.81507	(14121716)
437979.21	3725560.20	28.81595	(14121716)	437974.79	3725573.82	24.08500	(14121716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437965.96	3725601.06	21.57961	(12121716)	438005.63	3725272.10	48.84701	(12022716)
438012.15	3725284.93	55.70577	(12022716)	438018.67	3725297.77	62.06248	(12022716)
438025.19	3725310.61	67.65034	(12022716)	438031.71	3725323.45	72.25862	(12022716)
438038.23	3725336.28	75.72257	(12022716)	438044.74	3725349.12	77.96285	(12022716)
438051.26	3725361.96	78.99277	(12022716)	438057.78	3725374.80	78.94085	(12022716)
438062.08	3725394.48	78.40997	(12022716)	438057.64	3725408.18	78.17346	(12022716)
438053.20	3725421.87	75.73494	(12022716)	438048.76	3725435.57	71.10558	(12022716)
438044.32	3725449.26	64.60117	(12022716)	438039.88	3725462.96	56.71958	(12022716)
438035.44	3725476.66	48.01628	(12022716)	438031.00	3725490.35	47.25974	(14121716)
438026.56	3725504.05	45.67752	(14121716)	438022.12	3725517.74	43.09959	(14121716)
438008.80	3725558.83	31.39096	(14121716)	438004.36	3725572.53	27.11492	(14121716)
437999.92	3725586.22	23.01709	(14121716)	438031.98	3725262.75	39.36356	(14120116)
438045.08	3725288.55	48.14584	(12022716)	438051.63	3725301.45	53.31299	(12022716)
438058.18	3725314.35	57.98012	(12022716)	438064.73	3725327.25	61.95564	(12022716)
438071.28	3725340.14	64.95732	(12022716)	438077.83	3725353.04	66.95684	(12022716)
438084.38	3725365.94	68.19840	(12022716)	438090.93	3725378.84	68.45290	(12022716)
438091.98	3725392.17	69.34529	(12022716)	438087.52	3725405.93	70.40075	(12022716)
438083.06	3725419.69	69.65901	(12022716)	438078.60	3725433.45	67.11864	(12022716)
438074.13	3725447.22	62.75606	(12022716)	438069.67	3725460.98	56.84740	(12022716)
438065.21	3725474.74	49.87761	(12022716)	438060.75	3725488.50	42.63609	(14121716)
438056.29	3725502.26	42.38073	(14121716)	438051.83	3725516.02	41.16764	(14121716)
438047.37	3725529.78	39.07877	(14121716)	438042.90	3725543.55	36.27449	(14121716)
438029.52	3725584.83	25.62788	(14121716)	438025.06	3725598.59	22.00137	(14121716)
438020.60	3725612.35	18.57729	(14121716)	438011.67	3725639.88	16.71338	(12121716)
438078.08	3725292.29	41.95585	(12022716)	438084.66	3725305.24	46.32063	(12022716)
438091.23	3725318.19	50.24217	(12022716)	438097.81	3725331.14	53.59351	(12022716)
438104.39	3725344.09	56.32220	(12022716)	438110.96	3725357.04	58.35221	(12022716)
438117.54	3725369.99	59.61098	(12022716)	438121.88	3725389.85	61.39426	(12022716)
438117.40	3725403.67	63.10745	(12022716)	438112.92	3725417.49	63.46920	(12022716)
438108.44	3725431.31	62.43740	(12022716)	438103.96	3725445.12	59.82225	(12022716)
438099.48	3725458.94	55.64391	(12022716)	438095.00	3725472.76	50.33298	(12022716)
438090.52	3725486.58	44.22682	(12022716)	438086.04	3725500.39	38.33840	(14121716)
438081.56	3725514.21	38.20609	(14121716)	438077.08	3725528.03	37.26824	(14121716)
438072.60	3725541.85	35.56977	(14121716)	438068.12	3725555.66	33.23739	(14121716)
438054.69	3725597.11	24.20005	(14121716)	438050.21	3725610.93	21.00588	(14121716)
438045.73	3725624.75	17.92757	(14121716)	438041.25	3725638.57	15.22677	(12121416)
438104.53	3725283.13	33.07882	(12022716)	438111.13	3725296.13	37.01315	(12022716)
438117.73	3725309.12	40.64237	(12022716)	438124.33	3725322.12	43.99576	(12022716)
438130.93	3725335.12	46.95621	(12022716)	438137.53	3725348.11	49.42318	(12022716)
438144.13	3725361.11	51.30485	(12022716)	438150.73	3725374.10	52.57876	(12022716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438151.78	3725387.54	54.41713	(12022716)	438147.28	3725401.40	56.55698	(12022716)
438142.79	3725415.27	57.56207	(12022716)	438138.29	3725429.13	57.44709	(12022716)
438133.80	3725443.00	56.04307	(12022716)	438129.30	3725456.86	53.39048	(12022716)
438124.81	3725470.73	49.56905	(12022716)	438120.31	3725484.59	44.79894	(12022716)
438115.82	3725498.46	39.41408	(12022716)	438111.32	3725512.33	34.62654	(14121716)
438106.83	3725526.19	34.57177	(14121716)	438102.33	3725540.06	33.85820	(14121716)
438097.84	3725553.92	32.50518	(14121716)	438093.34	3725567.79	30.59212	(14121716)
438088.85	3725581.65	28.25996	(14121716)	438075.36	3725623.25	20.05313	(14121716)
438070.87	3725637.12	17.30124	(14121716)	438066.37	3725650.98	14.85926	(12121416)
438057.38	3725678.71	13.27665	(12121716)	438137.60	3725287.01	29.38758	(12022716)
438144.22	3725300.04	32.71253	(12022716)	438150.84	3725313.08	35.89943	(12022716)
438157.46	3725326.12	38.89339	(12022716)	438164.08	3725339.15	41.54017	(12022716)
438170.70	3725352.19	43.76557	(12022716)	438177.32	3725365.22	45.53184	(12022716)
438181.68	3725385.21	48.19966	(12022716)	438177.17	3725399.12	50.63744	(12022716)
438172.66	3725413.03	52.18509	(12022716)	438168.15	3725426.94	52.67251	(12022716)
438163.65	3725440.84	52.11366	(12022716)	438159.14	3725454.75	50.55847	(12022716)
438154.63	3725468.66	47.96084	(12022716)	438150.12	3725482.57	44.38110	(12022716)
438145.61	3725496.48	40.06230	(12022716)	438141.10	3725510.38	35.27856	(12022716)
438136.59	3725524.29	31.41112	(14121716)	438132.08	3725538.20	31.38245	(14121716)
438127.57	3725552.11	30.84362	(14121716)	438123.07	3725566.01	29.76455	(14121716)
438118.56	3725579.92	28.18406	(14121716)	438114.05	3725593.83	26.22932	(14121716)
438109.54	3725607.74	23.98227	(14121716)	438100.52	3725635.55	19.09214	(14121716)
438096.01	3725649.46	16.64585	(14121716)	438091.50	3725663.37	14.49335	(12121416)
438087.00	3725677.28	12.64927	(12121416)	438082.49	3725691.18	11.94868	(12121716)
438170.70	3725290.96	26.51709	(11102516)	438177.34	3725304.03	29.12453	(12022716)
438183.97	3725317.10	31.95640	(12022716)	438190.61	3725330.17	34.59679	(12022716)
438197.25	3725343.24	36.97422	(12022716)	438203.89	3725356.31	39.02369	(12022716)
438210.52	3725369.38	40.66823	(12022716)	438211.58	3725382.89	42.85049	(12022716)
438207.06	3725396.83	45.36300	(12022716)	438202.54	3725410.78	47.17266	(12022716)
438198.02	3725424.72	48.14503	(12022716)	438193.50	3725438.67	48.15658	(12022716)
438188.98	3725452.61	47.34587	(12022716)	438184.46	3725466.56	45.76492	(12022716)
438179.94	3725480.50	43.23320	(12022716)	438175.42	3725494.45	39.89930	(12022716)
438170.90	3725508.39	35.99310	(12022716)	438166.37	3725522.34	31.71481	(12022716)
438161.85	3725536.28	28.67077	(14121716)	438157.33	3725550.23	28.67524	(14121716)
438152.81	3725564.17	28.21884	(14121716)	438148.29	3725578.12	27.30309	(14121716)
438143.77	3725592.06	25.98705	(14121716)	438139.25	3725606.01	24.34559	(14121716)
438134.73	3725619.95	22.43775	(14121716)	438121.17	3725661.79	15.98455	(14121716)
438223.79	3725334.27	30.96988	(12022716)	438230.45	3725347.37	33.09336	(12022716)
438237.10	3725360.47	34.93870	(12022716)	438241.49	3725380.56	37.96411	(12022716)
438236.95	3725394.54	40.57262	(12022716)	438232.42	3725408.52	42.56594	(12022716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438227.89	3725422.49	43.92655	(12022716)	438223.36	3725436.47	44.59023	(12022716)
438218.83	3725450.45	44.43093	(12022716)	438214.30	3725464.43	43.42977	(12022716)
438209.77	3725478.41	41.64543	(12022716)	438205.23	3725492.38	39.11322	(12022716)
438200.70	3725506.36	36.01548	(12022716)	438196.17	3725520.34	32.47442	(12022716)
438191.64	3725534.32	28.64353	(12022716)	438187.11	3725548.29	26.23645	(14121716)
438182.58	3725562.27	26.26147	(14121716)	438178.04	3725576.25	25.89715	(14121716)
438173.51	3725590.23	25.14971	(14121716)	438168.98	3725604.21	24.04487	(14121716)
438164.45	3725618.18	22.64531	(14121716)	438159.92	3725632.16	21.00297	(14121716)
438155.39	3725646.14	19.18474	(14121716)	438132.73	3725716.03	10.73762	(12121416)
438128.20	3725730.01	9.80722	(12121716)	438271.39	3725378.23	33.61944	(12022716)
438266.85	3725392.24	36.20984	(12022716)	438262.31	3725406.25	38.31862	(12022716)
438257.77	3725420.25	39.91010	(12022716)	438253.23	3725434.26	40.94795	(12022716)
438248.68	3725448.27	41.29293	(12022716)	438244.14	3725462.28	40.90959	(12022716)
438239.60	3725476.28	39.79189	(12022716)	438235.06	3725490.29	37.93153	(12022716)
438230.52	3725504.30	35.49980	(12022716)	438225.98	3725518.30	32.64029	(12022716)
438221.44	3725532.31	29.41623	(12022716)	438216.90	3725546.32	25.97515	(12022716)
438212.36	3725560.33	24.12631	(14121716)	438207.82	3725574.33	24.18390	(14121716)
438203.27	3725588.34	23.88286	(14121716)	438198.73	3725602.35	23.25037	(14121716)
438194.19	3725616.35	22.30844	(14121716)	438189.65	3725630.36	21.10183	(14121716)
438185.11	3725644.37	19.68016	(14121716)	438180.57	3725658.38	18.10113	(14121716)
438166.95	3725700.40	13.23768	(12121416)	438162.40	3725714.40	11.83510	(12121416)
438157.86	3725728.41	10.49661	(12121416)	438153.32	3725742.42	9.24786	(12121416)
438148.78	3725756.43	8.95047	(12121716)	438292.19	3725403.97	34.46093	(12022716)
438287.64	3725418.00	36.18588	(12022716)	438283.10	3725432.04	37.48224	(12022716)
438278.55	3725446.07	38.19859	(12022716)	438274.00	3725460.10	38.21378	(12022716)
438269.45	3725474.14	37.61949	(12022716)	438264.90	3725488.17	36.42620	(12022716)
438260.35	3725502.20	34.64350	(12022716)	438255.80	3725516.24	32.36656	(12022716)
438251.25	3725530.27	29.70222	(12022716)	438246.70	3725544.30	26.73968	(12022716)
438242.15	3725558.34	23.62840	(12022716)	438237.60	3725572.37	22.24958	(14121716)
438233.05	3725586.41	22.31209	(14121716)	438228.50	3725600.44	22.07359	(14121716)
438223.95	3725614.47	21.53906	(14121716)	438219.40	3725628.51	20.72948	(14121716)
438214.85	3725642.54	19.69179	(14121716)	438210.30	3725656.57	18.46300	(14121716)
438205.75	3725670.61	17.08574	(14121716)	438201.20	3725684.64	15.60410	(14121716)
438192.10	3725712.71	12.78943	(12121416)	438187.55	3725726.74	11.54045	(12121416)
438183.00	3725740.77	10.31357	(12121416)	438178.46	3725754.81	9.14183	(12121416)
438173.91	3725768.84	8.18563	(12022715)	438313.29	3725428.80	34.12352	(12022716)
438308.81	3725442.63	35.14134	(12022716)	438304.32	3725456.46	35.57435	(12022716)
438299.84	3725470.30	35.44623	(12022716)	438295.35	3725484.13	34.82363	(12022716)
438290.87	3725497.97	33.69621	(12022716)	438286.38	3725511.80	32.05897	(12022716)
438281.90	3725525.64	29.98206	(12022716)	438277.41	3725539.47	27.59911	(12022716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438272.93	3725553.30	24.98397	(12022716)	438268.44	3725567.14	22.21729	(12022716)
438263.96	3725580.97	20.53747	(14121716)	438259.47	3725594.81	20.66269	(14121716)
438254.99	3725608.64	20.55376	(14121716)	438250.50	3725622.48	20.19026	(14121716)
438246.02	3725636.31	19.57545	(14121716)	438241.53	3725650.14	18.74673	(14121716)
438237.05	3725663.98	17.73874	(14121716)	438232.57	3725677.81	16.58604	(14121716)
438228.08	3725691.65	15.32624	(14121716)	438223.60	3725705.48	13.99954	(14121716)
438214.63	3725733.15	11.68936	(12121416)	438210.14	3725746.98	10.57314	(12121416)
438205.66	3725760.82	9.47839	(12121416)	438201.17	3725774.65	8.42408	(12121416)
438196.69	3725788.49	7.58311	(12022715)	438344.12	3725453.61	31.96356	(12022716)
438339.62	3725467.48	32.25867	(12022716)	438335.12	3725481.36	32.15882	(12022716)
438330.62	3725495.23	31.64543	(12022716)	438326.12	3725509.11	30.65432	(12022716)
438321.62	3725522.99	29.21231	(12022716)	438317.13	3725536.86	27.40647	(12022716)
438312.63	3725550.74	25.32156	(12022716)	438308.13	3725564.61	23.01837	(12022716)
438303.63	3725578.49	20.58659	(12022716)	438299.13	3725592.36	18.53071	(14121716)
438294.63	3725606.24	18.74894	(14121716)	438290.14	3725620.11	18.75237	(14121716)
438285.64	3725633.99	18.52451	(14121716)	438281.14	3725647.87	18.08023	(14121716)
438276.64	3725661.74	17.44852	(14121716)	438272.14	3725675.62	16.64679	(14121716)
438267.64	3725689.49	15.70717	(14121716)	438263.14	3725703.37	14.65689	(14121716)
438258.65	3725717.24	13.52957	(14121716)	438254.15	3725731.12	12.52013	(12121416)
438240.65	3725772.75	9.54162	(12121416)	438236.15	3725786.62	8.57304	(12121416)
438231.66	3725800.50	7.63979	(12121416)	438227.16	3725814.37	6.87632	(12022715)
438374.90	3725478.55	29.56143	(12022716)	438370.39	3725492.46	29.45267	(12022716)
438365.87	3725506.37	28.94118	(12022716)	438361.36	3725520.28	28.03324	(12022716)
438356.85	3725534.20	26.76121	(12022716)	438352.34	3725548.11	25.17287	(12022716)
438347.83	3725562.02	23.32321	(12022716)	438343.32	3725575.93	21.27862	(12022716)
438338.81	3725589.84	19.10897	(12022716)	438334.30	3725603.76	16.90507	(12022716)
438329.79	3725617.67	17.07353	(14121716)	438325.28	3725631.58	17.14781	(14121716)
438320.77	3725645.49	17.03103	(14121716)	438316.26	3725659.40	16.72067	(14121716)
438311.75	3725673.32	16.23696	(14121716)	438307.24	3725687.23	15.60493	(14121716)
438302.73	3725701.14	14.84204	(14121716)	438298.22	3725715.05	13.97119	(14121716)
438293.71	3725728.97	13.03773	(12121416)	438289.20	3725742.88	12.20980	(12121416)
438284.69	3725756.79	11.32843	(12121416)	438271.16	3725798.53	8.63998	(12121416)
438266.65	3725812.44	7.76087	(12121416)	438262.14	3725826.35	6.91083	(12121416)
438257.63	3725840.26	6.26865	(12022715)	438401.12	3725517.53	26.66112	(12022716)
438396.60	3725531.48	25.84851	(12022716)	438392.08	3725545.42	24.68431	(12022716)
438387.56	3725559.37	23.23609	(12022716)	438383.04	3725573.31	21.56692	(12022716)
438378.52	3725587.26	19.73263	(12022716)	438374.00	3725601.20	17.79223	(12022716)
438369.47	3725615.15	15.80618	(12022716)	438364.95	3725629.09	15.59373	(14121716)
438360.43	3725643.04	15.72286	(14121716)	438355.91	3725656.98	15.68945	(14121716)
438351.39	3725670.93	15.49376	(14121716)	438346.87	3725684.87	15.13853	(14121716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438342.35	3725698.82	14.64000	(14121716)	438337.83	3725712.76	14.01744	(14121716)
438333.31	3725726.71	13.31029	(12121416)	438328.79	3725740.65	12.64386	(12121416)
438324.27	3725754.60	11.91260	(12121416)	438319.75	3725768.54	11.12887	(12121416)
438315.22	3725782.49	10.31483	(12121416)	438288.10	3725866.16	5.73615	(12022715)
438431.83	3725542.70	23.92579	(12022716)	438427.30	3725556.67	22.82714	(12022716)
438422.77	3725570.65	21.50743	(12022716)	438418.24	3725584.62	20.00550	(12022716)
438413.71	3725598.59	18.35062	(12022716)	438409.18	3725612.57	16.60133	(12022716)
438404.65	3725626.54	14.81947	(12022716)	438400.12	3725640.52	14.26880	(14121716)
438395.58	3725654.49	14.44993	(14121716)	438391.05	3725668.47	14.47926	(14121716)
438386.52	3725682.44	14.36739	(14121716)	438381.99	3725696.41	14.15048	(12121416)
438377.46	3725710.39	13.82538	(12121416)	438372.93	3725724.36	13.39872	(12121416)
438368.40	3725738.34	12.87701	(12121416)	438363.87	3725752.31	12.26709	(12121416)
438359.34	3725766.29	11.59917	(12121416)	438354.81	3725780.26	10.89135	(12121416)
438350.28	3725794.24	10.15594	(12121416)	438345.75	3725808.21	9.40645	(12121416)
438332.16	3725850.13	7.14593	(12121416)	438327.63	3725864.11	6.39352	(12121416)
438323.10	3725878.08	5.65414	(12121416)	438318.57	3725892.06	5.26771	(12022715)
438457.97	3725581.93	19.95424	(12022716)	438453.43	3725595.94	18.59881	(12022716)
438448.89	3725609.94	17.10878	(12022716)	438444.36	3725623.94	15.52841	(12022716)
438439.82	3725637.94	13.91297	(12022716)	438435.28	3725651.94	13.28689	(12121416)
438430.74	3725665.94	13.50961	(12121416)	438426.20	3725679.94	13.63554	(12121416)
438421.66	3725693.94	13.59835	(12121416)	438417.12	3725707.94	13.42308	(12121416)
438412.58	3725721.94	13.14833	(12121416)	438408.04	3725735.94	12.78238	(12121416)
438403.50	3725749.95	12.33586	(12121416)	438398.97	3725763.95	11.82295	(12121416)
438394.43	3725777.95	11.25895	(12121416)	438389.89	3725791.95	10.64281	(12121416)
438385.35	3725805.95	9.98749	(12121416)	438380.81	3725819.95	9.31156	(12121416)
438376.27	3725833.95	8.61544	(12121416)	438362.65	3725875.95	6.44931	(12121416)
438358.11	3725889.95	5.71917	(12121416)	438353.58	3725903.96	5.03193	(12121416)
438488.63	3725607.26	17.33831	(12022716)	438484.08	3725621.28	15.99065	(12022716)
438479.53	3725635.31	14.56555	(12022716)	438474.99	3725649.33	13.10817	(12022716)
438470.44	3725663.36	12.40577	(12121416)	438465.89	3725677.38	12.66645	(12121416)
438461.35	3725691.41	12.80993	(12121416)	438456.80	3725705.43	12.81691	(12121416)
438452.25	3725719.46	12.72496	(12121416)	438447.71	3725733.48	12.53902	(12121416)
438443.16	3725747.51	12.26121	(12121416)	438438.61	3725761.53	11.91430	(12121416)
438434.07	3725775.56	11.47858	(12121416)	438429.52	3725789.58	10.96733	(12121416)
438424.97	3725803.61	10.40716	(12121416)	438420.42	3725817.63	9.83224	(12121416)
438311.74	3724752.18	6.54537	(16012216)	438318.43	3724765.35	6.48929	(16012216)
438325.11	3724778.52	6.34730	(16012216)	438331.80	3724791.68	6.11790	(16012216)
438519.26	3725632.64	14.97823	(12022716)	438514.71	3725646.68	13.69003	(12022716)
438510.16	3725660.73	12.36508	(12022716)	438505.60	3725674.78	11.62484	(12121416)
438501.05	3725688.82	11.88791	(12121416)	438496.50	3725702.87	12.01665	(12121416)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438491.94	3725716.92	12.06241	(12121416)	438487.39	3725730.96	12.07336	(12121416)
438482.83	3725745.01	11.97550	(12121416)	438478.28	3725759.06	11.76186	(12121416)
438302.79	3724740.79	6.54833	(16012216)	438337.76	3724721.77	6.06366	(16012216)
438344.39	3724734.82	6.05182	(16012216)	438351.01	3724747.87	5.96383	(16012216)
438357.64	3724760.91	5.80376	(16012216)	438364.27	3724773.96	5.57137	(16012216)
438370.89	3724787.01	5.60902	(16011916)	438377.52	3724800.06	5.92137	(16011916)
438384.14	3724813.11	6.16551	(16011916)	438390.77	3724826.15	6.36020	(16011916)
438417.27	3724878.34	6.60354	(16011916)	438423.90	3724891.39	6.48671	(16011916)
438430.53	3724904.44	6.30035	(16011916)	438437.15	3724917.49	6.57306	(14010316)
438443.78	3724930.54	7.07174	(14010316)	438450.40	3724943.58	7.48267	(14010316)
438546.44	3725668.68	11.97673	(12022716)	438541.93	3725682.60	10.83092	(12121416)
438537.42	3725696.52	11.08517	(12121416)	438370.45	3724704.50	5.62845	(16012216)
438377.09	3724717.57	5.58372	(16012216)	438383.73	3724730.64	5.47460	(16012216)
438390.37	3724743.71	5.30356	(16012216)	438397.00	3724756.78	5.07534	(16012216)
438403.64	3724769.85	5.32052	(16011916)	438410.28	3724782.92	5.59579	(16011916)
438416.92	3724795.99	5.80683	(16011916)	438423.55	3724809.06	5.95813	(16011916)
438430.19	3724822.13	6.06924	(16011916)	438436.83	3724835.20	6.14157	(16011916)
438443.47	3724848.27	6.14900	(16011916)	438450.11	3724861.34	6.10841	(16011916)
438456.74	3724874.41	6.00194	(16011916)	438463.38	3724887.49	5.83238	(16011916)
438470.02	3724900.56	6.05481	(14010316)	438396.52	3724674.17	5.24366	(16012216)
438403.17	3724687.26	5.22851	(16012216)	438409.82	3724700.36	5.15539	(16012216)
438416.46	3724713.45	5.02883	(16012216)	438423.11	3724726.54	4.84928	(16012216)
438429.76	3724739.63	4.75312	(16011916)	438436.41	3724752.72	5.02721	(16011916)
438443.06	3724765.81	5.26704	(16011916)	438449.71	3724778.91	5.46353	(16011916)
438456.35	3724792.00	5.60859	(16011916)	438463.00	3724805.09	5.70314	(16011916)
438469.65	3724818.18	5.74465	(16011916)	438476.30	3724831.27	5.74190	(16011916)
438482.95	3724844.36	5.68537	(16011916)	438489.59	3724857.45	5.58140	(16011916)
438496.24	3724870.55	5.42084	(16011916)	437835.23	3725488.94	84.48997	(12113016)
437840.76	3725481.72	75.38792	(12113016)	437882.86	3725525.43	46.27819	(12113016)
437898.73	3725537.59	37.91537	(12113016)	438198.68	3725721.59	12.22225	(12121416)
438222.49	3725739.84	11.36901	(12121416)	438280.47	3725795.71	8.98398	(12121416)
437841.17	3725401.38	140.57679	(12022716)	437860.69	3725405.49	127.36943	(12022716)
437899.80	3725413.59	107.37284	(12022716)	437916.01	3725425.02	89.95276	(12022716)
437922.73	3725410.18	108.69293	(12022716)	437926.03	3725393.66	127.19896	(12022716)
437938.95	3725421.59	94.19037	(12022716)	437932.15	3725436.59	78.75114	(14121716)
437955.11	3725433.13	81.52621	(12022716)	437948.26	3725448.25	71.39343	(14121716)
437964.32	3725459.99	64.73866	(14121716)	437980.36	3725471.79	58.75524	(14121716)
437991.37	3725494.71	51.38257	(14121716)	438037.11	3725440.96	69.88023	(12022716)
438030.52	3725455.51	61.56703	(12022716)	438023.92	3725470.07	51.73866	(12022716)
438017.33	3725484.62	50.14237	(14121716)	438010.73	3725499.17	48.32476	(14121716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438004.14	3725513.72	45.05997	(14121716)	438042.06	3725425.43	76.73977	(12022716)
438062.98	3725454.68	60.36764	(12022716)	438056.13	3725469.80	52.58770	(12022716)
438049.27	3725484.92	44.73167	(14121716)	438042.42	3725500.03	44.44538	(14121716)
438035.57	3725515.15	42.73623	(14121716)	438028.72	3725530.27	39.75669	(14121716)
438018.45	3725552.95	33.58105	(14121716)	438073.13	3725423.04	71.06222	(12022716)
438085.79	3725475.13	49.53381	(12022716)	438079.07	3725489.97	42.33989	(12022716)
438072.34	3725504.81	40.04292	(14121716)	438065.61	3725519.65	39.35566	(14121716)
438058.89	3725534.50	37.56065	(14121716)	438052.16	3725549.34	34.82788	(14121716)
438038.71	3725579.03	27.55859	(14121716)	438111.31	3725489.60	42.96946	(12022716)
438104.38	3725504.92	36.50727	(12022716)	438097.44	3725520.23	35.96128	(14121716)
438090.50	3725535.54	35.27704	(14121716)	438083.56	3725550.86	33.61906	(14121716)
438076.62	3725566.17	31.11310	(14121716)	438127.38	3725524.95	32.39664	(14121716)
438120.55	3725540.01	32.33138	(14121716)	438113.73	3725555.07	31.48393	(14121716)
438106.91	3725570.13	29.87778	(14121716)	438100.08	3725585.19	27.64537	(14121716)
438147.14	3725552.13	29.38428	(14121716)	438140.42	3725566.97	28.75386	(14121716)
438133.69	3725581.81	27.49001	(14121716)	438126.97	3725596.66	25.71813	(14121716)
438120.24	3725611.50	23.53852	(14121716)	438178.98	3725552.68	26.83464	(14121716)
438172.08	3725567.90	26.73041	(14121716)	438165.18	3725583.12	26.08280	(14121716)
438158.28	3725598.35	24.90806	(14121716)	438151.38	3725613.57	23.29804	(14121716)
438144.48	3725628.79	21.31398	(14121716)	438198.70	3725579.96	24.52869	(14121716)
438191.89	3725594.98	24.03727	(14121716)	438185.08	3725610.00	23.09310	(14121716)
438178.28	3725625.02	21.76527	(14121716)	438171.47	3725640.04	20.11917	(14121716)
438164.66	3725655.06	18.23610	(14121716)	438225.31	3725592.02	22.56578	(14121716)
438218.59	3725606.87	22.18212	(14121716)	438211.86	3725621.71	21.42655	(14121716)
438205.13	3725636.55	20.33483	(14121716)	438198.41	3725651.39	18.96778	(14121716)
438191.68	3725666.24	17.38080	(14121716)	438275.76	3725480.70	36.50006	(12022716)
438301.74	3725494.16	33.50327	(12022716)	438236.47	3725638.20	19.67467	(14121716)
438229.60	3725653.36	18.64259	(14121716)	438222.73	3725668.52	17.37518	(14121716)
438215.86	3725683.69	15.91972	(14121716)	438306.83	3725478.32	34.44180	(12022716)
438293.83	3725582.41	19.75906	(12022716)	438287.04	3725597.40	19.18238	(14121716)
438280.24	3725612.40	19.33631	(14121716)	438273.45	3725627.39	19.18673	(14121716)
438266.65	3725642.38	18.72307	(14121716)	438259.86	3725657.38	17.98137	(14121716)
438253.07	3725672.37	17.00483	(14121716)	438246.27	3725687.36	15.83745	(14121716)
438239.48	3725702.35	14.52084	(14121716)	438319.16	3725620.92	17.51470	(14121716)
438312.32	3725636.00	17.54179	(14121716)	438305.49	3725651.07	17.30339	(14121716)
438298.66	3725666.15	16.81637	(14121716)	438291.83	3725681.23	16.10549	(14121716)
438284.99	3725696.31	15.20403	(14121716)	438278.16	3725711.39	14.14745	(14121716)
438271.33	3725726.47	13.00537	(12121416)	438264.49	3725741.55	11.98348	(12121416)
438351.24	3725644.52	16.03199	(14121716)	438344.37	3725659.67	15.97955	(14121716)
438337.50	3725674.83	15.68731	(14121716)	438330.63	3725689.98	15.18529	(14121716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438323.77	3725705.14	14.50038	(14121716)	438316.90	3725720.29	13.66489	(14121716)
438310.03	3725735.45	12.80969	(12121416)	438303.16	3725750.60	11.93729	(12121416)
438296.30	3725765.76	10.97724	(12121416)	438386.73	3725660.58	14.69267	(14121716)
438379.84	3725675.81	14.66620	(14121716)	438372.94	3725691.03	14.44916	(14121716)
438366.04	3725706.25	14.06508	(12121416)	438359.14	3725721.48	13.54503	(12121416)
438352.24	3725736.70	12.90922	(12121416)	438345.34	3725751.93	12.17589	(12121416)
438338.44	3725767.15	11.37279	(12121416)	438331.54	3725782.37	10.52716	(12121416)
438467.25	3725577.29	20.26238	(12022716)	438411.84	3725699.58	13.64255	(12121416)
438404.91	3725714.86	13.38622	(12121416)	438397.99	3725730.15	13.00490	(12121416)
438391.06	3725745.43	12.52936	(12121416)	438384.13	3725760.72	11.94658	(12121416)
438377.21	3725776.01	11.27136	(12121416)	438370.28	3725791.29	10.52613	(12121416)
438363.35	3725806.58	9.72101	(12121416)	438492.48	3725616.01	16.50432	(12022716)
438443.82	3725723.40	12.78360	(12121416)	438436.87	3725738.74	12.53698	(12121416)
438429.92	3725754.08	12.16969	(12121416)	438422.96	3725769.43	11.67134	(12121416)
438416.01	3725784.77	11.08523	(12121416)	438409.06	3725800.11	10.42858	(12121416)
438402.11	3725815.45	9.73747	(12121416)	438395.15	3725830.79	9.00681	(12121416)
438474.41	3725750.28	11.96012	(12121416)	438467.59	3725765.34	11.70143	(12121416)
438460.77	3725780.40	11.34726	(12121416)	437812.90	3725342.69	284.45168	(12022716)
437869.33	3725369.35	182.68651	(12022716)	437910.19	3725367.35	158.20346	(12022716)
437951.05	3725365.36	132.93943	(12022716)	437966.62	3725394.01	113.74686	(12022716)
437970.79	3725368.59	120.29560	(12022716)	438044.64	3725412.07	80.85260	(12022716)
438046.95	3725398.49	82.94809	(12022716)	438049.73	3725381.54	82.56699	(12022716)
438075.17	3725411.82	72.87515	(12022716)	438077.95	3725394.87	73.50032	(12022716)
438103.66	3725422.80	64.80214	(12022716)	438106.16	3725408.20	65.65112	(12022716)
438108.94	3725391.26	64.71319	(12022716)	438137.16	3725404.59	58.74505	(12022716)
438168.15	3725400.97	52.45512	(12022716)	437833.41	3725344.43	251.32947	(12022716)
437889.05	3725368.72	168.92855	(12022716)	438007.44	3725390.39	98.63284	(12022716)
437916.95	3725342.60	159.83513	(12022716)	437957.74	3725345.41	126.30017	(12022716)
437979.30	3725342.74	110.25667	(12022716)	438013.11	3725370.02	97.53395	(12022716)
438034.67	3725367.35	87.09413	(12022716)	438058.56	3725356.53	74.69736	(12022716)
438113.93	3725381.14	62.38617	(12022716)	438142.78	3725389.37	56.55667	(12022716)
437863.61	3725276.91	148.17481	(12022716)	437899.21	3725260.63	82.39239	(12022716)
437918.14	3725263.26	75.33415	(12022716)	437996.16	3725295.49	69.49890	(12022716)
438016.21	3725308.76	70.18871	(12022716)	438017.18	3725317.96	75.47315	(12022716)
438018.15	3725327.16	80.25897	(12022716)	438019.12	3725336.36	84.49762	(12022716)
438032.65	3725287.72	51.15229	(12022716)	438033.60	3725296.77	56.27474	(12022716)
438034.56	3725305.81	61.28707	(12022716)	438035.51	3725314.86	66.08797	(12022716)
438055.74	3725329.78	66.13452	(12022716)	438056.68	3725338.69	69.52052	(12022716)
438083.58	3725328.43	56.56584	(12022716)	438084.53	3725337.51	59.76528	(12022716)
438085.49	3725346.59	62.58541	(12022716)	438086.45	3725355.67	64.97128	(12022716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438110.62	3725319.48	46.04610	(12022716)	438111.56	3725328.40	49.11401	(12022716)
438113.44	3725346.23	54.62181	(12022716)	438137.47	3725308.76	36.79350	(12022716)
438138.42	3725317.82	39.69931	(12022716)	438139.38	3725326.88	42.53198	(12022716)
438140.33	3725335.93	45.22498	(12022716)	438164.28	3725297.65	28.97322	(12022716)
438165.25	3725306.83	31.63348	(12022716)	438166.21	3725316.01	34.30092	(12022716)
438167.18	3725325.19	36.92659	(12022716)	438172.99	3725380.26	49.10794	(12022716)
438194.23	3725316.33	30.31689	(12022716)	438199.95	3725370.55	42.61927	(12022716)
438200.90	3725379.59	44.03899	(12022716)	438201.85	3725388.63	45.21520	(12022716)
438226.83	3725360.17	36.33589	(12022716)	438227.80	3725369.31	37.99650	(12022716)
438228.76	3725378.46	39.48262	(12022716)	438229.73	3725387.60	40.75414	(12022716)
438254.80	3725359.99	32.49853	(12022716)	438255.75	3725369.01	34.05077	(12022716)
438256.70	3725378.03	35.46851	(12022716)	438257.65	3725387.05	36.72345	(12022716)
438258.60	3725396.07	37.74940	(12022716)	438285.51	3725385.87	33.06350	(12022716)
438286.47	3725394.99	34.13482	(12022716)	438472.37	3724891.05	5.72078	(14010316)
438507.71	3724872.30	5.24378	(14010316)	438503.36	3724864.11	5.35299	(16011916)
438499.02	3724855.92	5.45533	(16011916)	438494.67	3724847.74	5.53687	(16011916)
438534.35	3724837.17	5.05989	(16011916)	438530.00	3724828.98	5.13870	(16011916)
438565.34	3724810.23	4.76510	(16011916)	438160.56	3724648.18	5.71363	(16120916)
438152.81	3724642.85	5.71059	(16120916)	438145.05	3724637.52	5.67663	(16120916)
438137.30	3724632.18	5.61549	(16120916)	438129.54	3724626.85	5.52701	(16120916)
438121.79	3724621.52	5.41564	(16120916)	438114.03	3724616.19	5.27786	(16120916)
438106.28	3724610.86	5.11611	(16120916)	438098.52	3724605.53	4.93227	(16120916)
438189.40	3724622.14	5.34383	(16120916)	438195.57	3724629.06	5.32386	(16120916)
438201.75	3724635.99	5.28280	(16120916)	438207.92	3724642.91	5.22213	(16120916)
438214.09	3724649.83	5.13930	(16120916)	438220.27	3724656.76	5.03525	(16120916)
438226.44	3724663.68	5.02764	(16120914)	438232.62	3724670.61	5.04725	(16120914)
438238.79	3724677.53	5.04959	(16120914)	438244.96	3724684.45	5.25443	(16012216)
438251.14	3724691.38	5.51998	(16012216)	438257.31	3724698.30	5.75757	(16012216)
438263.48	3724705.22	5.97464	(16012216)	438269.66	3724712.15	6.16501	(16012216)
438275.83	3724719.07	6.32416	(16012216)	438282.01	3724725.99	6.45134	(16012216)
438288.18	3724732.92	6.54600	(16012216)	438343.74	3724795.23	5.80312	(16012216)
438349.92	3724802.15	5.91833	(16011916)	438356.09	3724809.08	6.10455	(16011916)
438183.22	3724615.22	5.33889	(16120916)	438175.47	3724609.89	5.32961	(16120916)
438167.71	3724604.55	5.29461	(16120916)	438159.96	3724599.22	5.23048	(16120916)
438152.20	3724593.89	5.14248	(16120916)	438144.45	3724588.56	5.03384	(16120916)
438136.69	3724583.23	4.90495	(16120916)	438128.94	3724577.90	4.75778	(16120916)
438121.18	3724572.57	4.59280	(16120916)	438212.07	3724589.19	5.00493	(16120916)
438218.25	3724596.12	4.99709	(16120916)	438224.43	3724603.05	4.96894	(16120916)
438230.61	3724609.98	4.92019	(16120916)	438236.79	3724616.92	4.85178	(16120916)
438242.98	3724623.85	4.76344	(16120916)	438249.16	3724630.78	4.68983	(16120914)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438255.34	3724637.71	4.71638	(16120914)	438261.52	3724644.65	4.72783	(16120914)
438267.70	3724651.58	4.72505	(16120914)	438273.88	3724658.51	4.91243	(16012216)
438280.07	3724665.44	5.13661	(16012216)	438286.25	3724672.38	5.34786	(16012216)
438292.43	3724679.31	5.53787	(16012216)	438298.61	3724686.24	5.70508	(16012216)
438317.16	3724707.04	6.04597	(16012216)	438366.61	3724762.50	5.62224	(16012216)
438372.79	3724769.43	5.43849	(16012216)	438378.97	3724776.36	5.39057	(16011916)
438385.16	3724783.30	5.56999	(16011916)	438391.34	3724790.23	5.72624	(16011916)
438397.52	3724797.16	5.85236	(16011916)	438403.70	3724804.09	5.95474	(16011916)
438409.88	3724811.03	6.03500	(16011916)	438416.06	3724817.96	6.09767	(16011916)
438428.43	3724831.82	6.18260	(16011916)	438205.89	3724582.25	4.99302	(16120916)
438198.13	3724576.92	4.98017	(16120916)	438190.38	3724571.59	4.94393	(16120916)
438182.62	3724566.26	4.88146	(16120916)	438174.87	3724560.93	4.80003	(16120916)
438167.11	3724555.60	4.69953	(16120916)	438159.36	3724550.27	4.58174	(16120916)
438151.60	3724544.94	4.44609	(16120916)	438143.85	3724539.60	4.29417	(16120916)
438234.73	3724556.23	4.69361	(16120916)	438240.92	3724563.17	4.69234	(16120916)
438247.11	3724570.11	4.67188	(16120916)	438253.30	3724577.05	4.63545	(16120916)
438259.49	3724583.99	4.58030	(16120916)	438265.68	3724590.94	4.50696	(16120916)
438271.87	3724597.88	4.41754	(16120916)	438278.06	3724604.82	4.42034	(16120914)
438284.25	3724611.76	4.43791	(16120914)	438290.43	3724618.70	4.44491	(16120914)
438296.62	3724625.64	4.43544	(16120914)	438302.81	3724632.58	4.58641	(16012216)
438309.00	3724639.52	4.78659	(16012216)	438315.19	3724646.46	4.97540	(16012216)
438321.38	3724653.40	5.14368	(16012216)	438327.57	3724660.34	5.29176	(16012216)
438333.76	3724667.28	5.41846	(16012216)	438339.95	3724674.22	5.52087	(16012216)
438401.84	3724743.63	5.09576	(16012216)	438408.02	3724750.57	4.92027	(16012216)
438414.21	3724757.51	5.08152	(16011916)	438420.40	3724764.45	5.23706	(16011916)
438426.59	3724771.39	5.37583	(16011916)	438432.78	3724778.33	5.49509	(16011916)
438438.97	3724785.27	5.59275	(16011916)	438445.16	3724792.21	5.66340	(16011916)
438228.55	3724549.29	4.67594	(16120916)	438220.79	3724543.96	4.65572	(16120916)
438213.04	3724538.63	4.61648	(16120916)	438205.28	3724533.30	4.55961	(16120916)
438197.53	3724527.97	4.48581	(16120916)	438189.77	3724522.64	4.39432	(16120916)
438182.02	3724517.30	4.28563	(16120916)	438174.26	3724511.97	4.16285	(16120916)
438166.51	3724506.64	4.02628	(16120916)	438257.40	3724523.28	4.41733	(16120916)
438263.60	3724530.23	4.42227	(16120916)	438269.79	3724537.17	4.40868	(16120916)
438275.99	3724544.12	4.37824	(16120916)	438282.18	3724551.07	4.33415	(16120916)
438288.38	3724558.02	4.27434	(16120916)	438294.57	3724564.96	4.19963	(16120916)
438300.77	3724571.91	4.16525	(16120914)	438306.97	3724578.86	4.18968	(16120914)
438313.16	3724585.81	4.20095	(16120914)	438319.36	3724592.76	4.20048	(16120914)
438325.55	3724599.70	4.19014	(16120914)	438331.75	3724606.65	4.31270	(16012216)
438337.94	3724613.60	4.48986	(16012216)	438344.14	3724620.55	4.65252	(16012216)
438350.33	3724627.50	4.80090	(16012216)	438356.53	3724634.44	4.93377	(16012216)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438418.48	3724703.92	5.03291	(16012216)	438430.88	3724717.82	4.78190	(16012216)
438437.07	3724724.77	4.62933	(16012216)	438443.27	3724731.71	4.63460	(16011916)
438449.46	3724738.66	4.78197	(16011916)	438455.66	3724745.61	4.91530	(16011916)
438461.85	3724752.56	5.03323	(16011916)	438468.05	3724759.51	5.13514	(16011916)
438474.24	3724766.45	5.21934	(16011916)	438480.44	3724773.40	5.28453	(16011916)
438486.63	3724780.35	5.33034	(16011916)	438492.83	3724787.30	5.35787	(16011916)
438499.03	3724794.25	5.36762	(16011916)	438505.22	3724801.19	5.35814	(16011916)
438511.42	3724808.14	5.32926	(16011916)	438517.61	3724815.09	5.28148	(16011916)
438523.81	3724822.04	5.21918	(16011916)	438251.21	3724516.33	4.39645	(16120916)
438243.45	3724511.00	4.37334	(16120916)	438235.70	3724505.67	4.33254	(16120916)
438227.94	3724500.34	4.27617	(16120916)	438220.19	3724495.00	4.20303	(16120916)
438212.43	3724489.67	4.11767	(16120916)	438204.68	3724484.34	4.01965	(16120916)
438196.92	3724479.01	3.90810	(16120916)	438189.17	3724473.68	3.78443	(16120916)
438466.11	3724698.96	4.37320	(16012216)	438472.31	3724705.91	4.27361	(14121510)
438478.52	3724712.87	4.37387	(16011916)	438484.72	3724719.82	4.50233	(16011916)
438490.92	3724726.78	4.61822	(16011916)	438497.12	3724733.73	4.72180	(16011916)
438503.32	3724740.69	4.81116	(16011916)	438509.52	3724747.64	4.88471	(16011916)
438515.72	3724754.60	4.94167	(16011916)	438521.93	3724761.55	4.98059	(16011916)
438528.13	3724768.51	5.00106	(16011916)	438534.33	3724775.46	5.00453	(16011916)
438540.53	3724782.42	4.99169	(16011916)	438546.73	3724789.37	4.96183	(16011916)
438552.93	3724796.32	4.91374	(16011916)	438559.13	3724803.28	4.84735	(16011916)
438211.83	3724440.72	3.57757	(16120916)	438302.73	3724457.37	3.87154	(16120916)
438308.94	3724464.33	3.88122	(16120916)	438315.15	3724471.29	3.87796	(16120916)
438321.35	3724478.25	3.86226	(16120916)	438327.56	3724485.21	3.83261	(16120916)
438333.77	3724492.17	3.79073	(16120916)	438339.97	3724499.13	3.76187	(11061009)
438346.18	3724506.09	3.77337	(11061009)	438352.39	3724513.05	3.78306	(11061009)
438358.60	3724520.01	3.79141	(11061009)	438364.80	3724526.97	3.79746	(11061009)
438371.01	3724533.93	3.83351	(14121510)	438377.22	3724540.90	3.86944	(14121510)
438383.42	3724547.86	3.90460	(14121510)	438389.63	3724554.82	3.93861	(14121510)
438395.84	3724561.78	3.97096	(14121510)	438402.04	3724568.74	4.06481	(16012216)
438408.25	3724575.70	4.18831	(16012216)	438414.46	3724582.66	4.29914	(16012216)
438420.67	3724589.62	4.39610	(16012216)	438426.87	3724596.58	4.47687	(16012216)
438433.08	3724603.54	4.53966	(16012216)	438439.29	3724610.50	4.58230	(16012216)
438445.49	3724617.46	4.60639	(16012216)	438451.70	3724624.42	4.61275	(16012216)
438296.53	3724450.40	3.85036	(16120916)	438288.77	3724445.07	3.83218	(16120916)
438281.02	3724439.74	3.80074	(16120916)	438273.26	3724434.41	3.75497	(16120916)
438325.40	3724424.41	3.61224	(16120916)	438331.61	3724431.38	3.62441	(16120916)
438337.82	3724438.34	3.62371	(16120916)	438344.03	3724445.31	3.61315	(11061009)
438350.25	3724452.27	3.62970	(11061009)	438356.46	3724459.24	3.64280	(11061009)
438362.67	3724466.21	3.65500	(11061009)	438368.88	3724473.17	3.66651	(11061009)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438375.09	3724480.14	3.67701	(11061009)	438381.31	3724487.11	3.68592	(11061009)
438387.52	3724494.07	3.69246	(11061009)	438393.73	3724501.04	3.69966	(14121510)
438399.94	3724508.01	3.73447	(14121510)	438406.16	3724514.97	3.76839	(14121510)
438412.37	3724521.94	3.80208	(14121510)	438418.58	3724528.91	3.83457	(14121510)
438424.79	3724535.87	3.86493	(14121510)	438431.00	3724542.84	3.89043	(14121510)
438437.22	3724549.81	3.91537	(14121510)	438443.43	3724556.77	4.01356	(16012216)
438449.64	3724563.74	4.10237	(16012216)	438455.85	3724570.70	4.17732	(16012216)
438462.06	3724577.67	4.23544	(16012216)	438468.28	3724584.64	4.27633	(16012216)
438474.49	3724591.60	4.30037	(16012216)	438480.70	3724598.57	4.30562	(16012216)
438486.91	3724605.54	4.29363	(16012216)	438493.12	3724612.50	4.26685	(16012216)
438319.19	3724417.44	3.58980	(16120916)	438311.43	3724412.11	3.56845	(16120916)
438303.68	3724406.78	3.53544	(16120916)	438295.92	3724401.45	3.49195	(16120916)
438288.17	3724396.12	3.45794	(11061009)	438280.41	3724390.79	3.43516	(11061009)
438272.66	3724385.46	3.40897	(11061009)	438264.90	3724380.12	3.38324	(11061009)
438257.15	3724374.79	3.37141	(16012110)	438089.20	3724598.65	4.73883	(16112316)
438112.54	3724566.16	4.38148	(16120916)	438098.24	3724555.89	4.28464	(16112316)
438083.93	3724545.61	4.13096	(16112316)	438135.87	3724533.67	4.11675	(16120916)
438121.57	3724523.40	3.98061	(16112316)	438107.27	3724513.12	3.87134	(16112316)
438159.21	3724501.18	3.88087	(16120916)	438144.90	3724490.91	3.74877	(16012110)
438130.60	3724480.64	3.73520	(16012110)	438175.39	3724463.56	3.65065	(16012110)
438161.09	3724453.28	3.63926	(16012110)	438146.79	3724443.01	3.62460	(16012110)
438198.72	3724431.07	3.55548	(16012110)	438184.42	3724420.79	3.54460	(16012110)
438170.12	3724410.52	3.53150	(16012110)	438245.39	3724366.09	3.36886	(16012110)
438231.09	3724355.82	3.36137	(16012110)	438216.79	3724345.54	3.35125	(16012110)
437513.60	3724656.10	6.69700	(16011909)	437530.16	3724649.27	6.61084	(16011909)
437546.71	3724642.44	6.54851	(16102416)	437563.27	3724635.61	7.17228	(16102416)
437647.63	3724631.11	9.63264	(16102416)	437664.82	3724636.14	9.95069	(16102416)
437456.75	3724648.95	6.77395	(16112916)	437473.01	3724642.24	6.57729	(16011909)
437489.27	3724635.53	6.54540	(16011909)	437505.52	3724628.82	6.48789	(16011909)
437521.78	3724622.11	6.40981	(16011909)	437538.04	3724615.40	6.31401	(16011909)
437554.29	3724608.70	6.39771	(16102416)	437611.50	3724591.04	7.94794	(16102416)
437628.38	3724595.98	8.42175	(16102416)	437645.26	3724600.92	8.78185	(16102416)
437662.14	3724605.86	9.09131	(16102416)	437679.01	3724610.80	9.27892	(16102416)
437695.89	3724615.74	9.27389	(16102416)	437712.77	3724620.68	9.10122	(16102416)
437388.89	3724646.33	6.78208	(16112916)	437405.24	3724639.59	6.75492	(16112916)
437421.59	3724632.84	6.63487	(16112916)	437437.95	3724626.09	6.42736	(16112916)
437454.30	3724619.34	6.38273	(16011909)	437470.65	3724612.60	6.36844	(16011909)
437487.00	3724605.85	6.33192	(16011909)	437503.35	3724599.10	6.27444	(16011909)
437519.70	3724592.35	6.19752	(16011909)	437536.06	3724585.60	6.10104	(16011909)
437585.11	3724565.36	6.70510	(16102416)	437609.95	3724561.10	7.26987	(16102416)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437626.93	3724566.07	7.74789	(16102416)	437643.91	3724571.04	8.11401	(16102416)
437660.88	3724576.01	8.40317	(16102416)	437677.86	3724580.98	8.58524	(16102416)
437694.84	3724585.95	8.60328	(16102416)	437711.81	3724590.92	8.47435	(16102416)
437728.79	3724595.89	8.20922	(16102416)	437745.77	3724600.85	7.82369	(16102416)
437762.74	3724605.82	7.33708	(16102416)	437779.72	3724610.79	7.16082	(16122115)
437796.70	3724615.76	7.02003	(16122115)	437813.68	3724620.73	7.49186	(16102716)
437362.23	3724616.51	6.11920	(16112916)	437378.58	3724609.77	6.15407	(16112916)
437394.94	3724603.02	6.10923	(16112916)	437411.29	3724596.27	6.10253	(16011909)
437427.64	3724589.52	6.12876	(16011909)	437443.99	3724582.77	6.13728	(16011909)
437460.34	3724576.03	6.12566	(16011909)	437476.69	3724569.28	6.09510	(16011909)
437493.05	3724562.53	6.04565	(16011909)	437509.40	3724555.78	5.97503	(16011909)
437558.45	3724535.54	5.67950	(16011909)	437574.80	3724528.79	5.85565	(16102416)
437591.16	3724522.04	6.11951	(16102416)	437607.82	3724521.15	6.52500	(16102416)
437624.80	3724526.12	6.95840	(16102416)	437641.77	3724531.09	7.32483	(16102416)
437658.75	3724536.06	7.59873	(16102416)	437675.73	3724541.03	7.76243	(16102416)
437692.71	3724546.00	7.80341	(16102416)	437709.68	3724550.97	7.71982	(16102416)
437726.66	3724555.94	7.51336	(16102416)	437743.64	3724560.91	7.20292	(16102416)
437760.61	3724565.88	6.80497	(16102416)	437777.59	3724570.85	6.56336	(16122115)
437794.57	3724575.82	6.42553	(16122115)	437811.54	3724580.79	6.30912	(16102716)
437828.52	3724585.76	6.85714	(16102716)	437335.57	3724586.69	5.59292	(16011909)
437351.92	3724579.94	5.69267	(16011909)	437368.28	3724573.20	5.77400	(16011909)
437384.63	3724566.45	5.83593	(16011909)	437400.98	3724559.70	5.88201	(16011909)
437417.33	3724552.95	5.90980	(16011909)	437433.68	3724546.20	5.92103	(16011909)
437450.04	3724539.46	5.91116	(16011909)	437466.39	3724532.71	5.87886	(16011909)
437482.74	3724525.96	5.83160	(16011909)	437580.85	3724485.47	5.50773	(16102416)
437605.69	3724481.21	5.97490	(16102416)	437622.67	3724486.18	6.34401	(16102416)
437639.64	3724491.15	6.65772	(16102416)	437656.62	3724496.12	6.89781	(16102416)
437673.60	3724501.09	7.05180	(16102416)	437690.57	3724506.06	7.10120	(16102416)
437707.55	3724511.03	7.04517	(16102416)	437724.53	3724516.00	6.89171	(16102416)
437741.51	3724520.97	6.64734	(16102416)	437758.48	3724525.94	6.32008	(16102416)
437775.46	3724530.91	6.06667	(16122115)	437210.80	3724597.36	4.74240	(12010209)
437227.16	3724590.61	4.68313	(12010209)	437243.51	3724583.86	4.74172	(16011909)
437259.86	3724577.11	4.90644	(16011909)	437276.21	3724570.37	5.05515	(16011909)
437292.56	3724563.62	5.19271	(16011909)	437308.91	3724556.87	5.31307	(16011909)
437325.27	3724550.12	5.41971	(16011909)	437341.62	3724543.38	5.50912	(16011909)
437357.97	3724536.63	5.58275	(16011909)	437374.32	3724529.88	5.63988	(16011909)
437390.67	3724523.13	5.67831	(16011909)	437407.03	3724516.38	5.70126	(16011909)
437423.38	3724509.64	5.71233	(16011909)	437439.73	3724502.89	5.71164	(16011909)
437570.54	3724448.90	5.03797	(16011909)	437586.89	3724442.16	5.13792	(16102416)
437603.56	3724441.27	5.45463	(16102416)	437620.54	3724446.24	5.79622	(16102416)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437637.51	3724451.21	6.07864	(16102416)	437654.49	3724456.18	6.29207	(16102416)
437671.47	3724461.15	6.42837	(16102416)	437688.44	3724466.12	6.48117	(16102416)
437705.42	3724471.09	6.44546	(16102416)	437722.40	3724476.06	6.32903	(16102416)
437739.37	3724481.03	6.13443	(16102416)	437841.24	3724510.84	5.31752	(16102716)
437858.21	3724515.81	5.68792	(16102716)	437200.50	3724560.79	4.53824	(12010209)
437216.85	3724554.04	4.48509	(16011909)	437233.20	3724547.29	4.63997	(16011909)
437249.55	3724540.55	4.78979	(16011909)	437265.90	3724533.80	4.92821	(16011909)
437282.26	3724527.05	5.05315	(16011909)	437298.61	3724520.30	5.16452	(16011909)
437314.96	3724513.55	5.26053	(16011909)	437331.31	3724506.81	5.34126	(16011909)
437347.66	3724500.06	5.40568	(16011909)	437364.01	3724493.31	5.45690	(16011909)
437380.37	3724486.56	5.48782	(16011909)	437396.72	3724479.81	5.50903	(16011909)
437413.07	3724473.07	5.51559	(16011909)	437511.18	3724432.58	5.25620	(16011909)
437527.53	3724425.83	5.14430	(16011909)	437543.88	3724419.08	5.02591	(16011909)
437560.24	3724412.34	4.89684	(16011909)	437576.59	3724405.59	4.76100	(16011909)
437601.43	3724401.32	4.98415	(16102416)	437618.40	3724406.29	5.29338	(16102416)
437635.38	3724411.26	5.54967	(16102416)	437652.36	3724416.23	5.74574	(16102416)
437669.34	3724421.20	5.87529	(16102416)	437686.31	3724426.17	5.93285	(16102416)
437703.29	3724431.14	5.91639	(16102416)	437805.15	3724460.96	4.95914	(16122115)
437822.13	3724465.93	4.82148	(16122115)	437839.10	3724470.90	4.64618	(16122115)
437856.08	3724475.87	4.90408	(16102716)	437873.06	3724480.84	5.19314	(16102716)
437890.04	3724485.81	5.42457	(16102716)	438042.83	3724530.54	4.37484	(16102716)
438059.81	3724535.51	3.98965	(16102716)	437206.54	3724517.47	4.40539	(16011909)
437222.89	3724510.72	4.54802	(16011909)	437239.25	3724503.98	4.68289	(16011909)
437255.60	3724497.23	4.81090	(16011909)	437271.95	3724490.48	4.92162	(16011909)
437288.30	3724483.73	5.02181	(16011909)	437304.65	3724476.98	5.10853	(16011909)
437321.00	3724470.24	5.18490	(16011909)	437337.36	3724463.49	5.24226	(16011909)
437353.71	3724456.74	5.28759	(16011909)	437370.06	3724449.99	5.31849	(16011909)
437386.41	3724443.25	5.33694	(16011909)	437484.52	3724402.76	5.19494	(16011909)
437500.87	3724396.01	5.10195	(16011909)	437517.23	3724389.26	5.00122	(16011909)
437533.58	3724382.51	4.89059	(16011909)	437549.93	3724375.77	4.77268	(16011909)
437566.28	3724369.02	4.64825	(16011909)	437582.63	3724362.27	4.51602	(16011909)
437599.30	3724361.38	4.57032	(16102416)	437616.27	3724366.35	4.85000	(16102416)
437633.25	3724371.32	5.08175	(16102416)	437650.23	3724376.29	5.26267	(16102416)
437667.20	3724381.26	5.38539	(16102416)	437684.18	3724386.23	5.44690	(16102416)
437769.07	3724411.08	4.79812	(16102416)	437786.04	3724416.05	4.69339	(16122115)
437803.02	3724421.02	4.62212	(16122115)	437820.00	3724425.99	4.51647	(16122115)
437836.97	3724430.96	4.37274	(16122115)	437853.95	3724435.93	4.21278	(16102716)
437870.93	3724440.90	4.50476	(16102716)	437887.90	3724445.87	4.74421	(16102716)
437904.88	3724450.84	4.94239	(16102716)	437921.86	3724455.81	5.08428	(16102716)
437989.77	3724475.68	5.02320	(16102716)	438006.74	3724480.65	4.86183	(16102716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438023.72	3724485.62	4.65203	(16102716)	438040.70	3724490.59	4.38864	(16102716)
438057.67	3724495.56	4.07806	(16102716)	438074.65	3724500.53	3.81947	(16012110)
438091.63	3724505.50	3.82856	(16012110)	437196.23	3724480.90	4.32698	(16011909)
437212.59	3724474.15	4.46044	(16011909)	437228.94	3724467.41	4.58388	(16011909)
437245.29	3724460.66	4.69900	(16011909)	437261.64	3724453.91	4.80237	(16011909)
437277.99	3724447.16	4.89288	(16011909)	437294.35	3724440.42	4.97118	(16011909)
437310.70	3724433.67	5.03977	(16011909)	437327.05	3724426.92	5.09491	(16011909)
437343.40	3724420.17	5.13757	(16011909)	437359.75	3724413.42	5.16416	(16011909)
437474.21	3724366.19	5.05711	(16011909)	437490.57	3724359.44	4.96544	(16011909)
437506.92	3724352.69	4.86978	(16011909)	437523.27	3724345.94	4.76743	(16011909)
437539.62	3724339.20	4.65847	(16011909)	437555.97	3724332.45	4.54318	(16011909)
437572.33	3724325.70	4.41931	(16011909)	437597.17	3724321.44	4.24634	(16011909)
437614.14	3724326.41	4.45865	(16102416)	437631.12	3724331.38	4.67032	(16102416)
437648.10	3724336.35	4.83748	(16102416)	437665.07	3724341.32	4.95305	(16102416)
437732.98	3724361.20	4.86897	(16102416)	437749.96	3724366.17	4.70655	(16102416)
437766.94	3724371.14	4.49102	(16102416)	437783.91	3724376.10	4.37618	(16122115)
437800.89	3724381.07	4.31976	(16122115)	437817.87	3724386.04	4.22665	(16122115)
437834.84	3724391.01	4.10567	(16122115)	437851.82	3724395.98	3.95524	(16122115)
437868.80	3724400.95	3.87836	(16102716)	437885.77	3724405.92	4.13483	(16102716)
437902.75	3724410.89	4.35260	(16102716)	437953.68	3724425.80	4.73076	(16102716)
437970.66	3724430.77	4.77406	(16102716)	437987.64	3724435.74	4.75376	(16102716)
438004.61	3724440.71	4.67274	(16102716)	438021.59	3724445.68	4.53253	(16102716)
438038.57	3724450.65	4.34302	(16102716)	438055.54	3724455.62	4.10794	(16102716)
438072.52	3724460.59	3.83775	(16102716)	438089.50	3724465.56	3.70760	(16012110)
438106.47	3724470.53	3.71708	(16012110)	437185.93	3724444.33	4.25070	(16011909)
437202.28	3724437.59	4.37081	(16011909)	437218.63	3724430.84	4.48726	(16011909)
437234.98	3724424.09	4.59096	(16011909)	437251.33	3724417.34	4.68699	(16011909)
437267.69	3724410.59	4.76911	(16011909)	437284.04	3724403.85	4.84241	(16011909)
437300.39	3724397.10	4.90374	(16011909)	437316.74	3724390.35	4.95600	(16011909)
437333.09	3724383.60	4.99491	(16011909)	437480.26	3724322.87	4.83221	(16011909)
437496.61	3724316.12	4.74670	(16011909)	437512.96	3724309.38	4.65260	(16011909)
437529.31	3724302.63	4.55122	(16011909)	437545.67	3724295.88	4.44267	(16011909)
437562.02	3724289.13	4.32843	(16011909)	437578.37	3724282.38	4.20735	(16011909)
437595.03	3724281.49	4.10425	(16011909)	437612.01	3724286.46	4.11572	(16102416)
437628.99	3724291.43	4.30672	(16102416)	437713.87	3724316.28	4.61360	(16102416)
437730.85	3724321.25	4.52720	(16102416)	437747.83	3724326.22	4.38946	(16102416)
437764.80	3724331.19	4.20308	(16102416)	437781.78	3724336.16	4.08811	(16122115)
437798.76	3724341.13	4.04620	(16122115)	437815.73	3724346.10	3.97202	(16122115)
437832.71	3724351.07	3.87197	(16122115)	437849.69	3724356.04	3.74922	(16122115)
437866.67	3724361.01	3.60344	(16122115)	437883.64	3724365.98	3.60865	(16102716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437934.57	3724380.89	4.20880	(16102716)	437951.55	3724385.86	4.33015	(16102716)
437968.53	3724390.83	4.42328	(16102716)	437985.50	3724395.80	4.46300	(16102716)
438002.48	3724400.77	4.44579	(16102716)	438019.46	3724405.74	4.37347	(16102716)
438036.44	3724410.71	4.24848	(16102716)	438053.41	3724415.68	4.07265	(16102716)
438070.39	3724420.65	3.85894	(16102716)	438087.37	3724425.62	3.61958	(16102716)
438104.34	3724430.59	3.60280	(16012110)	438121.32	3724435.56	3.61304	(16012110)
437159.27	3724414.51	4.05593	(16011909)	437175.62	3724407.76	4.17760	(16011909)
437191.97	3724401.02	4.28740	(16011909)	437208.32	3724394.27	4.39273	(16011909)
437224.68	3724387.52	4.48562	(16011909)	437241.03	3724380.77	4.57508	(16011909)
437257.38	3724374.02	4.65121	(16011909)	437273.73	3724367.28	4.72290	(16011909)
437290.08	3724360.53	4.78223	(16011909)	437306.43	3724353.78	4.83092	(16011909)
437486.30	3724279.55	4.63570	(16011909)	437502.66	3724272.81	4.54428	(16011909)
437519.01	3724266.06	4.45109	(16011909)	437535.36	3724259.31	4.34888	(16011909)
437551.71	3724252.56	4.24324	(16011909)	437568.06	3724245.81	4.12906	(16011909)
437592.90	3724241.55	3.97099	(16011909)	437609.88	3724246.52	3.88216	(16011909)
437745.70	3724286.28	4.10123	(16102416)	437762.67	3724291.25	3.94252	(16102416)
437779.65	3724296.22	3.83745	(16122115)	437796.63	3724301.19	3.80552	(16122115)
437813.60	3724306.16	3.74938	(16122115)	437830.58	3724311.13	3.66925	(16122115)
437847.56	3724316.10	3.57132	(16122115)	437864.53	3724321.07	3.45088	(16122115)
437898.49	3724331.01	3.41782	(16102709)	437915.47	3724335.98	3.63451	(16102716)
437932.44	3724340.95	3.82359	(16102716)	437949.42	3724345.92	3.97502	(16102716)
437966.40	3724350.89	4.09718	(16102716)	437983.37	3724355.86	4.17210	(16102716)
438000.35	3724360.82	4.19639	(16102716)	438017.33	3724365.79	4.17427	(16102716)
438034.30	3724370.76	4.10701	(16102716)	438051.28	3724375.73	3.99328	(16102716)
438068.26	3724380.70	3.83689	(16102716)	438085.23	3724385.67	3.64460	(16102716)
438102.21	3724390.64	3.48712	(16102709)	438119.19	3724395.61	3.50513	(16012110)
438136.17	3724400.58	3.51622	(16012110)	438153.14	3724405.55	3.52543	(16012110)
437132.61	3724384.69	3.86894	(16011909)	437148.96	3724377.94	3.98946	(16011909)
437165.31	3724371.20	4.09890	(16011909)	437181.67	3724364.45	4.20318	(16011909)
437198.02	3724357.70	4.29749	(16011909)	437214.37	3724350.95	4.38660	(16011909)
437230.72	3724344.20	4.46686	(16011909)	437247.07	3724337.46	4.53977	(16011909)
437263.42	3724330.71	4.60683	(16011909)	437279.78	3724323.96	4.66380	(16011909)
437476.00	3724242.98	4.53285	(16011909)	437492.35	3724236.24	4.44530	(16011909)
437508.70	3724229.49	4.35458	(16011909)	437525.05	3724222.74	4.25919	(16011909)
437541.40	3724215.99	4.15853	(16011909)	437557.76	3724209.25	4.05158	(16011909)
437574.11	3724202.50	3.94065	(16011909)	437590.77	3724201.61	3.84475	(16011909)
437692.63	3724231.43	4.00001	(16102416)	437709.61	3724236.40	3.98560	(16102416)
437726.59	3724241.37	3.92938	(16102416)	437743.56	3724246.34	3.83312	(16102416)
437845.43	3724276.15	3.41175	(16122115)	437862.40	3724281.12	3.31308	(16122115)
437879.38	3724286.09	3.26440	(16102709)	437930.31	3724301.00	3.47358	(16102716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437947.29	3724305.97	3.65270	(16102716)	437964.27	3724310.94	3.79281	(16102716)
437981.24	3724315.91	3.89486	(16102716)	437998.22	3724320.88	3.95109	(16102716)
438015.20	3724325.85	3.96485	(16102716)	438032.17	3724330.82	3.93887	(16102716)
438049.15	3724335.79	3.87318	(16102716)	438066.13	3724340.76	3.76929	(16102716)
438083.10	3724345.73	3.62630	(16102716)	438100.08	3724350.70	3.45183	(16102716)
438117.06	3724355.67	3.40318	(16102709)	438134.03	3724360.64	3.41552	(16012110)
438151.01	3724365.61	3.42712	(16012110)	438167.99	3724370.58	3.43585	(16012110)
437122.30	3724348.12	3.80366	(16011909)	437138.65	3724341.37	3.91709	(16011909)
437155.01	3724334.63	4.01769	(16011909)	437171.36	3724327.88	4.11745	(16011909)
437187.71	3724321.13	4.20699	(16011909)	437204.06	3724314.38	4.29269	(16011909)
437220.41	3724307.63	4.36626	(16011909)	437236.77	3724300.89	4.43651	(16011909)
437253.12	3724294.14	4.49986	(16011909)	437449.34	3724213.16	4.49764	(16011909)
437465.69	3724206.42	4.42360	(16011909)	437482.04	3724199.67	4.34525	(16011909)
437498.39	3724192.92	4.25992	(16011909)	437514.75	3724186.17	4.17117	(16011909)
437531.10	3724179.42	4.07596	(16011909)	437547.45	3724172.68	3.97718	(16011909)
437563.80	3724165.93	3.87238	(16011909)	437588.64	3724161.67	3.72815	(16011909)
437673.53	3724186.51	3.69865	(16102416)	437690.50	3724191.48	3.72468	(16102416)
437707.48	3724196.45	3.71539	(16102416)	437724.46	3724201.42	3.67105	(16102416)
437741.43	3724206.39	3.59097	(16102416)	437758.41	3724211.36	3.47495	(16102416)
437775.39	3724216.33	3.41096	(16122115)	437792.36	3724221.30	3.40272	(16122115)
437809.34	3724226.27	3.37611	(16122115)	437826.32	3724231.24	3.32770	(16122115)
437843.30	3724236.21	3.26824	(16122115)	437860.27	3724241.18	3.19068	(16122115)
437877.25	3724246.15	3.15501	(16102709)	437894.23	3724251.12	3.19706	(16102709)
437911.20	3724256.09	3.23348	(16102709)	437928.18	3724261.06	3.26512	(16102709)
437962.13	3724271.00	3.49511	(16102716)	437979.11	3724275.97	3.61870	(16102716)
437996.09	3724280.94	3.70156	(16102716)	438013.06	3724285.91	3.74777	(16102716)
438030.04	3724290.88	3.75679	(16102716)	438047.02	3724295.85	3.72859	(16102716)
438064.00	3724300.82	3.66767	(16102716)	438080.97	3724305.79	3.57212	(16102716)
438097.95	3724310.76	3.44473	(16102716)	438114.93	3724315.73	3.34348	(16102709)
438199.81	3724340.58	3.35162	(16012110)	436933.68	3724549.60	4.27397	(12010209)
436926.33	3724556.23	4.26065	(12010209)	436918.99	3724562.85	4.24319	(12010209)
436921.57	3724506.65	4.21013	(12010209)	436914.23	3724513.28	4.21397	(12010209)
436906.88	3724519.90	4.20912	(12010209)	436899.54	3724526.53	4.19860	(12010209)
436892.19	3724533.15	4.18232	(12010209)	436894.78	3724476.95	4.08580	(12010209)
436887.43	3724483.58	4.08272	(12010209)	436880.09	3724490.20	4.08174	(12010209)
436872.74	3724496.83	4.08361	(12010209)	436865.40	3724503.45	4.07816	(12010209)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	1ST HIGHEST VALUE IS	9.21109 AT (437750.64, 3725402.77, 215.34, 218.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	9.18932 AT (437743.55, 3725409.23, 214.52, 214.52, 0.00)	DC	
	3RD HIGHEST VALUE IS	9.10430 AT (437757.44, 3725395.75, 216.27, 218.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	8.81831 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	8.38512 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	6TH HIGHEST VALUE IS	7.89629 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	7TH HIGHEST VALUE IS	7.43487 AT (437762.63, 3725405.96, 216.13, 216.13, 0.00)	DC	
	8TH HIGHEST VALUE IS	7.42857 AT (437738.00, 3725425.67, 212.92, 218.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	7.36199 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	10TH HIGHEST VALUE IS	7.24979 AT (437753.68, 3725416.69, 214.89, 214.89, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	1ST HIGH VALUE IS 305.24348	ON 12113016:	AT (437743.55, 3725409.23, 214.52, 214.52, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 868 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 15 Calm Hours Identified

A Total of 853 Missing Hours Identified (1.95 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********

ME W186	91	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	91	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	35065	CHKDAT: Record Out of Sequence in Meteorological File at:	16010101
MX W450	35065	CHKDAT: Record Out of Sequence in Meteorological File at:	1 year gap

****
*** AERMOD Finishes Successfully ***
****

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/21/2024
** File: D:\LSA\2024\CLF2101.4A\Construction\Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2024\CLF2101.4A\Construction\Construction.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 3010232 Orange
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL Construction.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   437562.555  3725256.992      207.500
** Source Parameters **
   SRCPARAM CONST        0.000045313     3.048        18
   AREAVERT CONST        437562.555 3725256.992 437642.144 3725348.006
   AREAVERT CONST        437699.646 3725396.369 437733.538 3725356.003
   AREAVERT CONST        437741.916 3725309.163 437747.473 3725279.370
   AREAVERT CONST        437743.696 3725266.448 437727.792 3725243.388
   AREAVERT CONST        437697.973 3725222.912 437665.569 3725205.617
   AREAVERT CONST        437640.919 3725187.726 437638.136 3725186.732
   AREAVERT CONST        437634.557 3725186.334 437630.979 3725186.931
   AREAVERT CONST        437629.190 3725188.919 437563.787 3725246.967
   AREAVERT CONST        437562.196 3725251.539 437562.196 3725254.720
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP CONST    CONST
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Construction.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC
   PROFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
   SURFDATA 93184 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 170.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST 1ST Construction.AD\01H1G001.PLT 31
   PLOTFILE PERIOD CONST Construction.AD\PE00G001.PLT 32
   SUMMFILE Construction.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***
```

```
 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of            0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186      91       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187      91       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- -

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 3010232.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 3305 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

```
**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   170.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      3.9 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   Construction.err
**File for Summary of Results:   Construction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.45313E-04	437562.6	3725257.0	207.5	3.05	18	0.00	YES	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	3010232.	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437487.5,	3725277.4,	201.2,	221.0,	0.0);	(437484.5,	3725268.7,	201.0,	221.0,	0.0);
(437503.2,	3725300.1,	202.1,	220.0,	0.0);	(437480.2,	3725284.3,	200.7,	221.0,	0.0);
(437474.2,	3725267.5,	200.3,	221.0,	0.0);	(437483.2,	3725292.7,	200.9,	221.0,	0.0);
(437495.8,	3725306.8,	201.6,	221.0,	0.0);	(437472.8,	3725291.2,	200.2,	221.0,	0.0);
(437467.0,	3725274.7,	200.4,	221.0,	0.0);	(437465.4,	3725298.0,	201.3,	221.0,	0.0);
(437459.7,	3725281.8,	201.9,	221.0,	0.0);	(437454.0,	3725265.5,	201.5,	221.0,	0.0);
(437474.6,	3725313.1,	201.7,	221.0,	0.0);	(437458.0,	3725304.8,	203.6,	221.0,	0.0);
(437452.3,	3725288.7,	203.9,	221.0,	0.0);	(437446.7,	3725272.7,	203.1,	221.0,	0.0);
(437441.0,	3725256.7,	202.0,	221.0,	0.0);	(437467.2,	3725319.8,	202.8,	221.0,	0.0);
(437473.5,	3725326.8,	202.8,	221.0,	0.0);	(437442.9,	3725317.5,	207.4,	221.0,	0.0);
(437439.8,	3725308.8,	207.9,	221.0,	0.0);	(437436.8,	3725300.2,	208.1,	220.0,	0.0);
(437433.7,	3725291.5,	207.5,	221.0,	0.0);	(437430.7,	3725282.9,	206.5,	221.0,	0.0);
(437427.6,	3725274.2,	205.6,	221.0,	0.0);	(437424.6,	3725265.6,	204.9,	221.0,	0.0);
(437446.0,	3725326.1,	206.9,	221.0,	0.0);	(437452.3,	3725333.1,	206.1,	221.0,	0.0);
(437458.6,	3725340.2,	205.4,	221.0,	0.0);	(437428.1,	3725331.1,	208.9,	221.0,	0.0);
(437422.2,	3725314.2,	208.9,	221.0,	0.0);	(437419.2,	3725305.8,	208.9,	221.0,	0.0);
(437431.1,	3725339.5,	208.8,	221.0,	0.0);	(437437.4,	3725346.5,	208.2,	221.0,	0.0);
(437443.7,	3725353.5,	207.6,	221.0,	0.0);	(437413.1,	3725344.0,	210.8,	221.0,	0.0);
(437409.9,	3725335.1,	210.6,	221.0,	0.0);	(437406.8,	3725326.2,	210.3,	221.0,	0.0);
(437416.2,	3725352.8,	211.0,	221.0,	0.0);	(437422.5,	3725359.9,	210.3,	221.0,	0.0);
(437359.4,	3725228.2,	207.5,	221.0,	0.0);	(437363.4,	3725219.9,	207.4,	220.0,	0.0);
(437410.7,	3725120.6,	199.0,	220.0,	0.0);	(437339.4,	3725227.3,	209.3,	220.0,	0.0);
(437347.1,	3725211.1,	209.1,	220.0,	0.0);	(437354.9,	3725194.8,	209.5,	214.0,	0.0);
(437397.4,	3725105.6,	199.1,	220.0,	0.0);	(437340.4,	3725304.8,	214.9,	221.0,	0.0);
(437337.3,	3725296.0,	213.8,	221.0,	0.0);	(437334.2,	3725287.2,	213.3,	221.0,	0.0);
(437331.1,	3725278.4,	212.7,	221.0,	0.0);	(437319.6,	3725225.9,	211.3,	211.3,	0.0);
(437323.6,	3725217.5,	211.2,	211.2,	0.0);	(437327.6,	3725209.1,	211.1,	212.0,	0.0);
(437331.6,	3725200.6,	211.2,	214.0,	0.0);	(437335.6,	3725192.2,	211.6,	214.0,	0.0);
(437339.7,	3725183.8,	212.0,	212.0,	0.0);	(437338.3,	3725354.4,	220.2,	220.2,	0.0);
(437335.3,	3725345.7,	219.8,	219.8,	0.0);	(437332.2,	3725337.1,	219.4,	219.4,	0.0);
(437329.2,	3725328.4,	219.2,	219.2,	0.0);	(437326.1,	3725319.8,	218.3,	220.0,	0.0);
(437323.1,	3725311.2,	217.2,	220.0,	0.0);	(437320.0,	3725302.5,	216.0,	220.0,	0.0);
(437317.0,	3725293.9,	215.0,	220.0,	0.0);	(437313.9,	3725285.2,	214.3,	220.0,	0.0);
(437310.8,	3725276.6,	213.5,	220.0,	0.0);	(437299.5,	3725225.0,	212.5,	212.5,	0.0);
(437303.5,	3725216.8,	212.4,	212.4,	0.0);	(437307.4,	3725208.5,	212.4,	212.4,	0.0);
(437311.4,	3725200.2,	212.7,	216.0,	0.0);	(437315.3,	3725191.9,	213.2,	213.2,	0.0);
(437319.2,	3725183.6,	213.5,	213.5,	0.0);	(437346.9,	3725125.7,	207.6,	220.0,	0.0);
(437350.8,	3725117.4,	206.0,	220.0,	0.0);	(437354.8,	3725109.1,	204.1,	220.0,	0.0);
(437358.7,	3725100.9,	202.4,	220.0,	0.0);	(437320.7,	3725360.0,	220.3,	221.0,	0.0);
(437317.7,	3725351.5,	220.5,	221.0,	0.0);	(437314.7,	3725343.0,	219.9,	219.9,	0.0);
(437311.7,	3725334.5,	219.8,	219.8,	0.0);	(437308.7,	3725326.0,	220.0,	220.0,	0.0);
(437305.7,	3725317.4,	219.0,	219.0,	0.0);	(437302.7,	3725308.9,	218.1,	218.1,	0.0);
(437299.7,	3725300.4,	217.4,	217.4,	0.0);	(437296.7,	3725291.9,	216.7,	218.0,	0.0);
(437293.6,	3725283.4,	215.6,	220.0,	0.0);	(437290.6,	3725274.9,	214.4,	220.0,	0.0);
(437279.5,	3725224.1,	213.2,	213.2,	0.0);	(437287.3,	3725207.8,	213.0,	220.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437295.0,	3725191.5,	214.2,	220.0,	0.0);	(437298.9,	3725183.4,	214.7,	216.0,	0.0);
(437326.1,	3725126.3,	210.5,	220.0,	0.0);	(437333.9,	3725110.0,	207.4,	220.0,	0.0);
(437337.8,	3725101.8,	205.8,	220.0,	0.0);	(437345.5,	3725085.5,	201.9,	220.0,	0.0);
(437349.4,	3725077.4,	199.9,	220.0,	0.0);	(437299.0,	3725354.0,	216.5,	221.0,	0.0);
(437295.9,	3725345.3,	217.1,	221.0,	0.0);	(437292.8,	3725336.5,	218.2,	220.0,	0.0);
(437289.7,	3725327.7,	219.7,	220.0,	0.0);	(437286.6,	3725318.9,	218.8,	220.0,	0.0);
(437283.5,	3725310.2,	217.8,	220.0,	0.0);	(437280.4,	3725301.4,	216.9,	220.0,	0.0);
(437277.3,	3725292.6,	216.1,	220.0,	0.0);	(437274.2,	3725283.9,	215.2,	220.0,	0.0);
(437271.1,	3725275.1,	214.6,	218.0,	0.0);	(437259.6,	3725222.8,	213.6,	213.6,	0.0);
(437263.6,	3725214.4,	213.2,	218.0,	0.0);	(437267.6,	3725206.0,	213.0,	220.0,	0.0);
(437271.6,	3725197.6,	214.2,	220.0,	0.0);	(437275.6,	3725189.2,	215.2,	220.0,	0.0);
(437279.6,	3725180.8,	216.1,	216.1,	0.0);	(437307.7,	3725122.0,	212.3,	220.0,	0.0);
(437311.7,	3725113.6,	210.9,	220.0,	0.0);	(437315.7,	3725105.2,	209.9,	220.0,	0.0);
(437319.7,	3725096.8,	208.7,	220.0,	0.0);	(437323.7,	3725088.4,	207.2,	220.0,	0.0);
(437327.7,	3725080.0,	205.3,	220.0,	0.0);	(437331.7,	3725071.6,	203.2,	220.0,	0.0);
(437335.7,	3725063.2,	201.2,	220.0,	0.0);	(437339.7,	3725054.8,	199.2,	220.0,	0.0);
(437343.7,	3725046.4,	197.5,	220.0,	0.0);	(437309.0,	3725437.7,	210.9,	221.0,	0.0);
(437305.9,	3725429.1,	211.1,	221.0,	0.0);	(437302.8,	3725420.4,	211.3,	221.0,	0.0);
(437299.8,	3725411.8,	211.6,	221.0,	0.0);	(437296.7,	3725403.1,	212.0,	221.0,	0.0);
(437278.4,	3725351.2,	213.2,	221.0,	0.0);	(437275.4,	3725342.6,	214.0,	221.0,	0.0);
(437272.3,	3725333.9,	214.4,	221.0,	0.0);	(437269.3,	3725325.3,	214.6,	221.0,	0.0);
(437266.2,	3725316.6,	214.1,	221.0,	0.0);	(437263.1,	3725308.0,	213.9,	220.0,	0.0);
(437250.9,	3725273.4,	214.0,	214.0,	0.0);	(437239.6,	3725221.9,	214.5,	214.5,	0.0);
(437243.6,	3725213.6,	214.2,	214.2,	0.0);	(437247.5,	3725205.3,	213.9,	220.0,	0.0);
(437251.5,	3725197.1,	214.7,	220.0,	0.0);	(437255.4,	3725188.8,	215.9,	218.0,	0.0);
(437259.3,	3725180.5,	217.3,	218.0,	0.0);	(437263.3,	3725172.2,	218.0,	218.0,	0.0);
(437294.8,	3725106.0,	212.9,	220.0,	0.0);	(437298.8,	3725097.7,	212.0,	220.0,	0.0);
(437302.7,	3725089.4,	211.0,	220.0,	0.0);	(437306.7,	3725081.1,	209.6,	220.0,	0.0);
(437310.6,	3725072.9,	208.0,	220.0,	0.0);	(437314.6,	3725064.6,	206.2,	220.0,	0.0);
(437318.5,	3725056.3,	204.3,	220.0,	0.0);	(437322.5,	3725048.0,	202.8,	220.0,	0.0);
(437326.4,	3725039.8,	201.2,	220.0,	0.0);	(437330.3,	3725031.5,	199.6,	220.0,	0.0);
(437312.0,	3725446.4,	210.8,	221.0,	0.0);	(437318.3,	3725453.4,	211.2,	221.0,	0.0);
(437286.6,	3725457.6,	209.4,	221.0,	0.0);	(437283.5,	3725448.8,	209.5,	221.0,	0.0);
(437280.3,	3725440.0,	209.5,	221.0,	0.0);	(437277.2,	3725431.2,	209.5,	221.0,	0.0);
(437274.1,	3725422.4,	209.4,	221.0,	0.0);	(437271.0,	3725413.5,	209.2,	221.0,	0.0);
(437267.9,	3725404.8,	209.2,	221.0,	0.0);	(437227.5,	3725290.2,	209.5,	221.0,	0.0);
(437224.4,	3725281.4,	210.0,	220.0,	0.0);	(437221.3,	3725272.6,	210.4,	220.0,	0.0);
(437218.1,	3725263.8,	210.5,	220.0,	0.0);	(437209.7,	3725220.2,	212.1,	215.0,	0.0);
(437213.7,	3725211.7,	213.1,	215.0,	0.0);	(437217.8,	3725203.3,	213.8,	213.8,	0.0);
(437221.8,	3725194.9,	214.4,	214.4,	0.0);	(437225.8,	3725186.4,	215.1,	215.1,	0.0);
(437229.8,	3725178.0,	216.0,	216.0,	0.0);	(437278.0,	3725076.8,	215.1,	220.0,	0.0);
(437282.0,	3725068.4,	213.6,	220.0,	0.0);	(437286.1,	3725059.9,	212.1,	220.0,	0.0);
(437290.1,	3725051.5,	210.6,	220.0,	0.0);	(437294.1,	3725043.1,	209.1,	220.0,	0.0);
(437298.1,	3725034.6,	207.6,	220.0,	0.0);	(437302.1,	3725026.2,	206.1,	220.0,	0.0);
(437306.2,	3725017.8,	204.7,	220.0,	0.0);	(437310.2,	3725009.4,	203.3,	220.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437289.7,	3725466.4,	209.3,	221.0,	0.0);	(437296.0,	3725473.4,	209.7,	220.0,	0.0);
(437302.3,	3725480.5,	210.4,	220.0,	0.0);	(437264.3,	3725477.8,	207.3,	221.0,	0.0);
(437261.2,	3725469.1,	207.3,	221.0,	0.0);	(437258.2,	3725460.5,	207.5,	221.0,	0.0);
(437255.1,	3725451.8,	207.6,	221.0,	0.0);	(437252.1,	3725443.2,	207.5,	221.0,	0.0);
(437249.0,	3725434.6,	207.3,	221.0,	0.0);	(437246.0,	3725425.9,	207.1,	221.0,	0.0);
(437242.9,	3725417.3,	206.9,	221.0,	0.0);	(437239.9,	3725408.6,	206.8,	221.0,	0.0);
(437236.8,	3725400.0,	206.6,	221.0,	0.0);	(437215.5,	3725339.4,	206.0,	221.0,	0.0);
(437212.4,	3725330.8,	205.9,	221.0,	0.0);	(437209.3,	3725322.1,	205.7,	221.0,	0.0);
(437206.3,	3725313.5,	205.6,	221.0,	0.0);	(437203.2,	3725304.8,	205.4,	221.0,	0.0);
(437200.2,	3725296.2,	205.1,	221.0,	0.0);	(437197.1,	3725287.5,	205.1,	221.0,	0.0);
(437194.1,	3725278.9,	205.1,	221.0,	0.0);	(437191.0,	3725270.2,	205.0,	221.0,	0.0);
(437188.0,	3725261.6,	205.2,	220.0,	0.0);	(437179.7,	3725218.7,	207.0,	220.0,	0.0);
(437183.6,	3725210.5,	208.5,	220.0,	0.0);	(437187.6,	3725202.2,	209.5,	220.0,	0.0);
(437191.5,	3725193.9,	210.1,	220.0,	0.0);	(437195.5,	3725185.6,	210.6,	220.0,	0.0);
(437199.4,	3725177.3,	211.0,	220.0,	0.0);	(437258.6,	3725053.2,	217.8,	217.8,	0.0);
(437262.5,	3725044.9,	216.6,	218.0,	0.0);	(437266.5,	3725036.6,	215.1,	218.0,	0.0);
(437270.4,	3725028.3,	213.6,	220.0,	0.0);	(437274.4,	3725020.0,	212.4,	220.0,	0.0);
(437278.3,	3725011.8,	211.2,	220.0,	0.0);	(437282.3,	3725003.5,	210.0,	220.0,	0.0);
(437286.2,	3724995.2,	208.7,	220.0,	0.0);	(437290.2,	3724986.9,	207.2,	220.0,	0.0);
(437235.7,	3725480.1,	207.1,	240.0,	0.0);	(437232.6,	3725471.3,	206.9,	240.0,	0.0);
(437229.5,	3725462.6,	206.6,	239.0,	0.0);	(437226.4,	3725453.8,	206.4,	221.0,	0.0);
(437223.3,	3725445.0,	206.2,	221.0,	0.0);	(437220.2,	3725436.2,	206.2,	221.0,	0.0);
(437217.1,	3725427.4,	206.2,	221.0,	0.0);	(437214.0,	3725418.7,	206.0,	221.0,	0.0);
(437210.9,	3725409.9,	206.0,	221.0,	0.0);	(437207.8,	3725401.1,	206.0,	221.0,	0.0);
(437189.2,	3725348.4,	205.4,	221.0,	0.0);	(437186.1,	3725339.6,	205.0,	221.0,	0.0);
(437183.0,	3725330.8,	204.6,	221.0,	0.0);	(437164.4,	3725278.1,	202.8,	221.0,	0.0);
(437161.3,	3725269.3,	202.5,	221.0,	0.0);	(437158.2,	3725260.6,	202.4,	220.0,	0.0);
(437149.8,	3725217.0,	202.9,	220.0,	0.0);	(437153.8,	3725208.6,	203.8,	220.0,	0.0);
(437157.8,	3725200.2,	204.4,	220.0,	0.0);	(437161.8,	3725191.8,	205.0,	220.0,	0.0);
(437165.8,	3725183.4,	205.5,	220.0,	0.0);	(437169.8,	3725175.0,	206.1,	220.0,	0.0);
(437209.9,	3725090.9,	216.1,	220.0,	0.0);	(437242.0,	3725023.6,	216.6,	216.6,	0.0);
(437246.0,	3725015.2,	216.3,	216.3,	0.0);	(437250.0,	3725006.8,	215.9,	215.9,	0.0);
(437254.0,	3724998.4,	215.4,	215.4,	0.0);	(437258.0,	3724990.0,	214.7,	214.7,	0.0);
(437262.0,	3724981.6,	213.5,	215.0,	0.0);	(437266.0,	3724973.2,	212.0,	217.0,	0.0);
(437270.0,	3724964.8,	210.4,	217.0,	0.0);	(437203.8,	3725473.1,	207.8,	242.0,	0.0);
(437200.7,	3725464.2,	207.6,	240.0,	0.0);	(437197.6,	3725455.3,	207.4,	239.0,	0.0);
(437194.4,	3725446.4,	207.2,	207.2,	0.0);	(437191.3,	3725437.5,	207.0,	207.0,	0.0);
(437188.1,	3725428.6,	206.8,	206.8,	0.0);	(437185.0,	3725419.7,	206.6,	206.6,	0.0);
(437181.8,	3725410.8,	206.5,	206.5,	0.0);	(437178.7,	3725401.9,	206.4,	220.0,	0.0);
(437175.6,	3725393.0,	206.2,	220.0,	0.0);	(437153.5,	3725330.7,	204.6,	220.0,	0.0);
(437150.4,	3725321.8,	204.4,	220.0,	0.0);	(437147.3,	3725312.9,	204.0,	220.0,	0.0);
(437144.1,	3725304.0,	203.5,	220.0,	0.0);	(437141.0,	3725295.1,	202.9,	220.0,	0.0);
(437137.8,	3725286.2,	202.4,	220.0,	0.0);	(437134.7,	3725277.3,	202.0,	220.0,	0.0);
(437131.5,	3725268.4,	201.7,	220.0,	0.0);	(437128.4,	3725259.5,	201.7,	220.0,	0.0);
(437119.0,	3725232.8,	201.7,	220.0,	0.0);	(437119.9,	3725215.3,	201.4,	220.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
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(	437124.0,	3725206.8,	201.5,	220.0,	0.0);	(437128.0,	3725198.3,	201.5,	220.0,	0.0);
(	437132.1,	3725189.8,	201.6,	220.0,	0.0);	(437136.1,	3725181.2,	201.8,	220.0,	0.0);
(	437164.6,	3725121.6,	206.9,	220.0,	0.0);	(437168.6,	3725113.1,	207.6,	220.0,	0.0);
(	437172.7,	3725104.5,	208.0,	220.0,	0.0);	(437176.8,	3725096.0,	208.5,	220.0,	0.0);
(	437180.8,	3725087.5,	209.1,	220.0,	0.0);	(437184.9,	3725079.0,	209.8,	220.0,	0.0);
(	437188.9,	3725070.5,	210.6,	220.0,	0.0);	(437193.0,	3725061.9,	211.4,	220.0,	0.0);
(	437225.5,	3724993.8,	216.1,	217.0,	0.0);	(437229.5,	3724985.2,	216.6,	216.6,	0.0);
(	437233.6,	3724976.7,	216.0,	216.0,	0.0);	(437237.7,	3724968.2,	215.3,	215.3,	0.0);
(	437241.7,	3724959.7,	214.3,	216.0,	0.0);	(437245.8,	3724951.1,	213.1,	216.0,	0.0);
(	437249.8,	3724942.6,	211.9,	216.0,	0.0);	(437175.6,	3725476.4,	208.8,	242.0,	0.0);
(	437172.5,	3725467.7,	208.6,	242.0,	0.0);	(437169.4,	3725458.9,	208.4,	240.0,	0.0);
(	437166.3,	3725450.2,	208.3,	208.3,	0.0);	(437163.2,	3725441.4,	208.0,	208.0,	0.0);
(	437160.1,	3725432.6,	207.7,	207.7,	0.0);	(437157.1,	3725423.9,	207.4,	207.4,	0.0);
(	437154.0,	3725415.1,	207.0,	207.0,	0.0);	(437150.9,	3725406.3,	206.7,	206.7,	0.0);
(	437147.8,	3725397.6,	206.4,	206.4,	0.0);	(437135.4,	3725362.5,	205.4,	205.4,	0.0);
(	437132.3,	3725353.8,	205.2,	205.2,	0.0);	(437129.2,	3725345.0,	205.4,	205.4,	0.0);
(	437126.1,	3725336.2,	205.5,	205.5,	0.0);	(437123.0,	3725327.5,	205.6,	205.6,	0.0);
(	437119.9,	3725318.7,	205.2,	205.2,	0.0);	(437116.8,	3725309.9,	204.7,	204.7,	0.0);
(	437113.7,	3725301.2,	204.2,	204.2,	0.0);	(437110.6,	3725292.4,	203.8,	203.8,	0.0);
(	437107.5,	3725283.6,	203.7,	203.7,	0.0);	(437101.3,	3725266.1,	203.6,	203.6,	0.0);
(	437089.0,	3725231.0,	203.1,	203.1,	0.0);	(437089.9,	3725213.9,	202.1,	218.0,	0.0);
(	437093.9,	3725205.5,	201.5,	220.0,	0.0);	(437097.9,	3725197.1,	201.1,	220.0,	0.0);
(	437101.9,	3725188.7,	200.7,	220.0,	0.0);	(437105.9,	3725180.3,	200.3,	222.0,	0.0);
(	437129.9,	3725130.0,	201.7,	220.0,	0.0);	(437133.8,	3725121.6,	201.8,	220.0,	0.0);
(	437137.8,	3725113.2,	201.7,	220.0,	0.0);	(437141.8,	3725104.8,	201.7,	220.0,	0.0);
(	437145.8,	3725096.4,	201.9,	220.0,	0.0);	(437149.8,	3725088.0,	202.2,	220.0,	0.0);
(	437153.8,	3725079.6,	202.6,	220.0,	0.0);	(437157.8,	3725071.2,	203.2,	220.0,	0.0);
(	437161.8,	3725062.9,	203.7,	220.0,	0.0);	(437165.8,	3725054.5,	204.2,	220.0,	0.0);
(	437169.8,	3725046.1,	204.4,	220.0,	0.0);	(437173.8,	3725037.7,	205.0,	220.0,	0.0);
(	437177.8,	3725029.3,	205.7,	220.0,	0.0);	(437213.8,	3724953.8,	213.2,	216.0,	0.0);
(	437217.8,	3724945.4,	213.5,	216.0,	0.0);	(437221.8,	3724937.0,	213.5,	213.5,	0.0);
(	437225.8,	3724928.6,	213.0,	214.0,	0.0);	(437229.8,	3724920.2,	212.4,	214.0,	0.0);
(	437143.6,	3725469.0,	210.3,	240.0,	0.0);	(437140.5,	3725460.2,	209.9,	240.0,	0.0);
(	437137.3,	3725451.3,	209.4,	209.4,	0.0);	(437134.2,	3725442.4,	208.9,	208.9,	0.0);
(	437131.1,	3725433.6,	208.5,	208.5,	0.0);	(437128.0,	3725424.7,	208.0,	208.0,	0.0);
(	437124.8,	3725415.8,	207.5,	207.5,	0.0);	(437121.7,	3725407.0,	207.3,	207.3,	0.0);
(	437109.2,	3725371.5,	206.5,	206.5,	0.0);	(437106.0,	3725362.6,	206.4,	206.4,	0.0);
(	437102.9,	3725353.7,	206.4,	206.4,	0.0);	(437081.0,	3725291.7,	205.8,	205.8,	0.0);
(	437077.8,	3725282.8,	205.7,	205.7,	0.0);	(437074.7,	3725273.9,	205.5,	205.5,	0.0);
(	437071.6,	3725265.0,	205.2,	205.2,	0.0);	(437062.2,	3725238.4,	204.7,	204.7,	0.0);
(	437059.0,	3725229.6,	204.4,	204.4,	0.0);	(437060.0,	3725212.2,	203.6,	203.6,	0.0);
(	437064.0,	3725203.7,	203.0,	203.0,	0.0);	(437068.0,	3725195.2,	202.6,	212.0,	0.0);
(	437072.1,	3725186.7,	202.0,	228.0,	0.0);	(437076.1,	3725178.2,	201.4,	228.0,	0.0);
(	437104.5,	3725118.8,	200.3,	228.0,	0.0);	(437108.5,	3725110.3,	199.9,	228.0,	0.0);
(	437112.6,	3725101.8,	199.7,	228.0,	0.0);	(437116.6,	3725093.3,	199.5,	228.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437120.7,	3725084.8,	199.3,	228.0,	0.0);	(437124.7,	3725076.4,	199.2,	228.0,	0.0);
(437128.8,	3725067.9,	199.0,	228.0,	0.0);	(437132.8,	3725059.4,	198.9,	228.0,	0.0);
(437136.8,	3725050.9,	198.8,	228.0,	0.0);	(437140.9,	3725042.4,	198.8,	228.0,	0.0);
(437144.9,	3725033.9,	199.2,	228.0,	0.0);	(437149.0,	3725025.4,	199.6,	228.0,	0.0);
(437153.0,	3725016.9,	200.1,	227.0,	0.0);	(437157.1,	3725008.4,	200.6,	226.0,	0.0);
(437161.1,	3724999.9,	201.0,	226.0,	0.0);	(437197.5,	3724923.5,	210.5,	216.0,	0.0);
(437201.6,	3724915.0,	210.7,	210.7,	0.0);	(437205.6,	3724906.5,	210.2,	210.2,	0.0);
(437209.7,	3724898.0,	210.1,	210.1,	0.0);	(437115.6,	3725472.9,	210.9,	242.0,	0.0);
(437112.5,	3725464.1,	210.6,	240.0,	0.0);	(437109.4,	3725455.4,	210.3,	240.0,	0.0);
(437106.3,	3725446.6,	210.0,	210.0,	0.0);	(437103.2,	3725437.9,	209.5,	209.5,	0.0);
(437100.1,	3725429.1,	209.1,	209.1,	0.0);	(437097.0,	3725420.4,	208.6,	208.6,	0.0);
(437093.9,	3725411.6,	208.4,	208.4,	0.0);	(437081.6,	3725376.6,	207.9,	207.9,	0.0);
(437078.5,	3725367.9,	208.1,	208.1,	0.0);	(437075.4,	3725359.1,	208.2,	208.2,	0.0);
(437072.3,	3725350.4,	208.1,	208.1,	0.0);	(437069.2,	3725341.6,	207.9,	207.9,	0.0);
(437066.1,	3725332.9,	207.7,	207.7,	0.0);	(437063.0,	3725324.1,	207.5,	207.5,	0.0);
(437060.0,	3725315.4,	207.5,	207.5,	0.0);	(437056.9,	3725306.6,	207.6,	207.6,	0.0);
(437053.8,	3725297.9,	207.7,	207.7,	0.0);	(437050.7,	3725289.1,	207.5,	207.5,	0.0);
(437047.6,	3725280.4,	207.0,	207.0,	0.0);	(437044.5,	3725271.6,	206.5,	206.5,	0.0);
(437041.4,	3725262.9,	206.2,	206.2,	0.0);	(437032.1,	3725236.6,	206.2,	206.2,	0.0);
(437029.0,	3725227.9,	206.1,	206.1,	0.0);	(437030.0,	3725210.8,	205.5,	205.5,	0.0);
(437033.9,	3725202.4,	205.0,	205.0,	0.0);	(437037.9,	3725194.0,	204.6,	204.6,	0.0);
(437041.9,	3725185.6,	204.3,	228.0,	0.0);	(437045.9,	3725177.2,	204.1,	228.0,	0.0);
(437085.8,	3725093.5,	202.6,	228.0,	0.0);	(437089.8,	3725085.1,	202.3,	228.0,	0.0);
(437093.8,	3725076.7,	201.5,	228.0,	0.0);	(437097.8,	3725068.3,	200.6,	228.0,	0.0);
(437101.8,	3725060.0,	199.7,	228.0,	0.0);	(437105.8,	3725051.6,	198.7,	228.0,	0.0);
(437109.8,	3725043.2,	198.0,	228.0,	0.0);	(437113.8,	3725034.8,	198.0,	228.0,	0.0);
(437117.8,	3725026.4,	198.0,	228.0,	0.0);	(437121.8,	3725018.1,	197.7,	228.0,	0.0);
(437125.8,	3725009.7,	197.5,	228.0,	0.0);	(437129.8,	3725001.3,	197.5,	228.0,	0.0);
(437133.7,	3724992.9,	197.6,	228.0,	0.0);	(437137.7,	3724984.6,	197.5,	228.0,	0.0);
(437141.7,	3724976.2,	197.7,	228.0,	0.0);	(437145.7,	3724967.8,	198.1,	228.0,	0.0);
(437177.7,	3724900.8,	204.2,	217.0,	0.0);	(437181.6,	3724892.4,	205.2,	217.0,	0.0);
(437185.6,	3724884.0,	206.3,	216.0,	0.0);	(437189.6,	3724875.6,	207.3,	210.0,	0.0);
(437086.6,	3725474.0,	211.6,	240.0,	0.0);	(437083.5,	3725465.2,	211.2,	240.0,	0.0);
(437080.3,	3725456.3,	210.7,	240.0,	0.0);	(437077.2,	3725447.5,	210.2,	210.2,	0.0);
(437074.1,	3725438.6,	210.1,	210.1,	0.0);	(437071.0,	3725429.8,	210.0,	210.0,	0.0);
(437067.8,	3725421.0,	210.0,	210.0,	0.0);	(437064.7,	3725412.1,	209.9,	209.9,	0.0);
(437055.3,	3725385.6,	209.6,	209.6,	0.0);	(437052.2,	3725376.7,	209.5,	209.5,	0.0);
(437049.1,	3725367.9,	209.4,	209.4,	0.0);	(437046.0,	3725359.0,	209.2,	209.2,	0.0);
(437042.8,	3725350.2,	209.0,	209.0,	0.0);	(437039.7,	3725341.4,	208.8,	208.8,	0.0);
(437036.6,	3725332.5,	208.7,	208.7,	0.0);	(437024.1,	3725297.1,	208.0,	208.0,	0.0);
(437021.0,	3725288.3,	207.7,	207.7,	0.0);	(437017.9,	3725279.5,	207.6,	207.6,	0.0);
(437014.7,	3725270.6,	207.5,	207.5,	0.0);	(437011.6,	3725261.8,	207.5,	213.0,	0.0);
(437002.2,	3725235.2,	208.1,	208.1,	0.0);	(436999.1,	3725226.4,	207.8,	207.8,	0.0);
(437000.0,	3725209.1,	206.8,	206.8,	0.0);	(437004.1,	3725200.6,	206.3,	206.3,	0.0);
(437008.1,	3725192.1,	205.9,	228.0,	0.0);	(437012.1,	3725183.7,	205.5,	228.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437048.5,	3725107.5,	209.0,	226.0,	0.0);	(437052.5,	3725099.0,	209.1,	214.0,	0.0);
(	437056.5,	3725090.5,	209.0,	226.0,	0.0);	(437060.6,	3725082.1,	208.3,	226.0,	0.0);
(	437064.6,	3725073.6,	207.1,	228.0,	0.0);	(437068.6,	3725065.1,	206.1,	228.0,	0.0);
(	437072.7,	3725056.7,	205.2,	228.0,	0.0);	(437076.7,	3725048.2,	203.7,	228.0,	0.0);
(	437080.7,	3725039.7,	202.2,	228.0,	0.0);	(437084.8,	3725031.3,	200.9,	228.0,	0.0);
(	437088.8,	3725022.8,	199.9,	228.0,	0.0);	(437092.8,	3725014.3,	199.1,	228.0,	0.0);
(	437096.9,	3725005.9,	198.2,	228.0,	0.0);	(437100.9,	3724997.4,	197.2,	228.0,	0.0);
(	437104.9,	3724988.9,	196.9,	228.0,	0.0);	(437109.0,	3724980.5,	196.6,	228.0,	0.0);
(	437113.0,	3724972.0,	196.9,	228.0,	0.0);	(437117.0,	3724963.5,	196.9,	228.0,	0.0);
(	437121.1,	3724955.1,	196.8,	228.0,	0.0);	(437125.1,	3724946.6,	196.7,	228.0,	0.0);
(	437129.1,	3724938.1,	196.7,	228.0,	0.0);	(437161.4,	3724870.4,	200.1,	226.0,	0.0);
(	437165.5,	3724861.9,	201.0,	226.0,	0.0);	(437169.5,	3724853.5,	202.0,	216.0,	0.0);
(	437003.1,	3725320.8,	209.9,	209.9,	0.0);	(437000.0,	3725312.1,	209.8,	209.8,	0.0);
(	436996.9,	3725303.4,	209.8,	209.8,	0.0);	(436993.8,	3725294.6,	209.7,	209.7,	0.0);
(	436990.7,	3725285.9,	209.6,	209.6,	0.0);	(436987.6,	3725277.1,	209.6,	213.0,	0.0);
(	436984.6,	3725268.4,	209.7,	213.0,	0.0);	(436972.2,	3725233.4,	209.9,	209.9,	0.0);
(	436969.1,	3725224.7,	209.3,	214.0,	0.0);	(436970.0,	3725207.6,	207.8,	228.0,	0.0);
(	436974.0,	3725199.2,	207.3,	228.0,	0.0);	(436978.0,	3725190.9,	206.9,	228.0,	0.0);
(	436982.0,	3725182.5,	206.5,	228.0,	0.0);	(437009.9,	3725123.9,	211.0,	226.0,	0.0);
(	437013.9,	3725115.6,	212.0,	212.0,	0.0);	(437017.9,	3725107.2,	212.6,	212.6,	0.0);
(	437021.9,	3725098.8,	212.9,	212.9,	0.0);	(437025.8,	3725090.5,	213.1,	214.0,	0.0);
(	437029.8,	3725082.1,	212.7,	214.0,	0.0);	(437033.8,	3725073.7,	211.8,	226.0,	0.0);
(	437037.8,	3725065.4,	210.8,	226.0,	0.0);	(437041.8,	3725057.0,	209.8,	228.0,	0.0);
(	437045.8,	3725048.6,	208.4,	228.0,	0.0);	(437049.8,	3725040.3,	206.9,	228.0,	0.0);
(	437053.8,	3725031.9,	205.2,	228.0,	0.0);	(437057.7,	3725023.5,	204.0,	228.0,	0.0);
(	437061.7,	3725015.2,	203.5,	228.0,	0.0);	(437065.7,	3725006.8,	202.8,	228.0,	0.0);
(	437069.7,	3724998.4,	202.0,	228.0,	0.0);	(437073.7,	3724990.1,	201.5,	228.0,	0.0);
(	437077.7,	3724981.7,	200.9,	228.0,	0.0);	(437081.7,	3724973.3,	200.5,	228.0,	0.0);
(	437085.6,	3724965.0,	200.2,	228.0,	0.0);	(437089.6,	3724956.6,	199.8,	228.0,	0.0);
(	437093.6,	3724948.2,	199.2,	228.0,	0.0);	(437097.6,	3724939.9,	198.4,	228.0,	0.0);
(	437101.6,	3724931.5,	197.6,	228.0,	0.0);	(437105.6,	3724923.1,	196.9,	228.0,	0.0);
(	437109.6,	3724914.8,	196.0,	228.0,	0.0);	(437137.5,	3724856.2,	195.0,	228.0,	0.0);
(	437141.5,	3724847.8,	195.4,	228.0,	0.0);	(437145.5,	3724839.5,	196.2,	228.0,	0.0);
(	437149.5,	3724831.1,	197.0,	227.0,	0.0);	(437032.7,	3725487.9,	212.7,	242.0,	0.0);
(	437029.6,	3725479.1,	212.7,	240.0,	0.0);	(437026.5,	3725470.3,	212.8,	220.0,	0.0);
(	437023.3,	3725461.5,	212.9,	220.0,	0.0);	(437020.2,	3725452.6,	213.0,	220.0,	0.0);
(	437017.1,	3725443.8,	213.1,	220.0,	0.0);	(437014.0,	3725435.0,	213.0,	220.0,	0.0);
(	437010.9,	3725426.2,	212.9,	212.9,	0.0);	(436998.4,	3725390.9,	212.6,	212.6,	0.0);
(	436995.3,	3725382.0,	212.5,	212.5,	0.0);	(436992.2,	3725373.2,	212.4,	212.4,	0.0);
(	436989.0,	3725364.4,	212.3,	212.3,	0.0);	(436985.9,	3725355.6,	212.2,	212.2,	0.0);
(	436982.8,	3725346.8,	212.1,	212.1,	0.0);	(436979.7,	3725337.9,	211.9,	211.9,	0.0);
(	436976.6,	3725329.1,	211.6,	211.6,	0.0);	(436973.5,	3725320.3,	211.5,	211.5,	0.0);
(	436970.4,	3725311.5,	211.5,	211.5,	0.0);	(436967.2,	3725302.6,	211.6,	211.6,	0.0);
(	436964.1,	3725293.8,	211.8,	211.8,	0.0);	(436961.0,	3725285.0,	212.2,	212.2,	0.0);
(	436957.9,	3725276.2,	212.8,	212.8,	0.0);	(436954.8,	3725267.3,	213.3,	213.3,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(436945.4,	3725240.9,	212.7,	212.7,	0.0);	(436942.3,	3725232.0,	212.3,	214.0,	0.0);
(436939.2,	3725223.2,	211.8,	220.0,	0.0);	(436940.1,	3725205.9,	209.9,	228.0,	0.0);
(436944.1,	3725197.5,	209.3,	228.0,	0.0);	(436948.2,	3725189.0,	208.6,	228.0,	0.0);
(436952.2,	3725180.6,	207.9,	228.0,	0.0);	(436988.4,	3725104.6,	213.2,	228.0,	0.0);
(436992.4,	3725096.1,	213.9,	226.0,	0.0);	(436996.5,	3725087.7,	214.6,	214.6,	0.0);
(437000.5,	3725079.2,	214.6,	214.6,	0.0);	(437004.5,	3725070.8,	214.2,	226.0,	0.0);
(437008.5,	3725062.3,	213.7,	226.0,	0.0);	(437012.6,	3725053.9,	212.6,	228.0,	0.0);
(437016.6,	3725045.4,	211.0,	228.0,	0.0);	(437020.6,	3725037.0,	209.4,	228.0,	0.0);
(437024.6,	3725028.5,	207.8,	228.0,	0.0);	(437028.7,	3725020.1,	207.3,	228.0,	0.0);
(437032.7,	3725011.6,	207.2,	228.0,	0.0);	(437036.7,	3725003.2,	207.1,	228.0,	0.0);
(437040.8,	3724994.8,	207.1,	228.0,	0.0);	(437044.8,	3724986.3,	207.7,	228.0,	0.0);
(437048.8,	3724977.9,	208.0,	228.0,	0.0);	(437052.8,	3724969.4,	207.8,	228.0,	0.0);
(437056.8,	3724961.0,	207.2,	228.0,	0.0);	(437060.9,	3724952.5,	206.4,	228.0,	0.0);
(437064.9,	3724944.1,	205.7,	228.0,	0.0);	(437068.9,	3724935.6,	204.8,	228.0,	0.0);
(437073.0,	3724927.2,	203.8,	228.0,	0.0);	(437077.0,	3724918.7,	203.1,	228.0,	0.0);
(437081.0,	3724910.3,	202.5,	228.0,	0.0);	(437085.0,	3724901.8,	201.2,	228.0,	0.0);
(437089.1,	3724893.4,	199.5,	228.0,	0.0);	(437093.1,	3724884.9,	198.0,	228.0,	0.0);
(437117.2,	3724834.2,	193.3,	228.0,	0.0);	(437121.3,	3724825.8,	192.9,	228.0,	0.0);
(437125.3,	3724817.3,	192.7,	228.0,	0.0);	(437129.3,	3724808.9,	193.0,	228.0,	0.0);
(436993.2,	3725487.2,	215.6,	220.0,	0.0);	(436990.1,	3725478.4,	216.0,	220.0,	0.0);
(436987.0,	3725469.5,	216.1,	220.0,	0.0);	(436983.8,	3725460.6,	216.2,	220.0,	0.0);
(436980.7,	3725451.8,	216.1,	220.0,	0.0);	(436977.6,	3725442.9,	216.1,	220.0,	0.0);
(436974.4,	3725434.0,	215.9,	218.0,	0.0);	(436965.0,	3725407.4,	215.4,	219.0,	0.0);
(436961.9,	3725398.5,	215.3,	219.0,	0.0);	(436946.2,	3725354.2,	214.4,	214.4,	0.0);
(436943.1,	3725345.3,	214.0,	214.0,	0.0);	(436940.0,	3725336.5,	213.8,	213.8,	0.0);
(436936.8,	3725327.6,	213.6,	213.6,	0.0);	(436933.7,	3725318.7,	213.7,	213.7,	0.0);
(436930.6,	3725309.8,	213.9,	213.9,	0.0);	(436927.5,	3725301.0,	214.2,	214.2,	0.0);
(436924.3,	3725292.1,	214.6,	214.6,	0.0);	(436921.2,	3725283.2,	215.2,	215.2,	0.0);
(436918.1,	3725274.4,	215.6,	215.6,	0.0);	(436914.9,	3725265.5,	216.0,	216.0,	0.0);
(436905.5,	3725238.9,	215.0,	220.0,	0.0);	(436902.4,	3725230.0,	214.5,	220.0,	0.0);
(436899.3,	3725221.2,	214.0,	220.0,	0.0);	(436900.2,	3725203.8,	212.9,	220.0,	0.0);
(436904.2,	3725195.3,	212.3,	228.0,	0.0);	(436908.3,	3725186.8,	211.8,	228.0,	0.0);
(436912.3,	3725178.3,	211.2,	228.0,	0.0);	(436948.7,	3725101.9,	215.0,	228.0,	0.0);
(436952.8,	3725093.4,	215.3,	228.0,	0.0);	(436956.8,	3725084.9,	215.5,	228.0,	0.0);
(436960.9,	3725076.4,	216.2,	228.0,	0.0);	(436964.9,	3725067.9,	217.1,	228.0,	0.0);
(436969.0,	3725059.4,	217.7,	226.0,	0.0);	(436973.0,	3725051.0,	217.2,	228.0,	0.0);
(436977.1,	3725042.5,	215.8,	228.0,	0.0);	(436981.1,	3725034.0,	214.3,	228.0,	0.0);
(436985.2,	3725025.5,	212.8,	228.0,	0.0);	(436989.2,	3725017.0,	212.4,	228.0,	0.0);
(436993.2,	3725008.5,	212.1,	228.0,	0.0);	(436997.3,	3725000.0,	211.8,	228.0,	0.0);
(437001.3,	3724991.5,	212.4,	228.0,	0.0);	(437005.4,	3724983.0,	213.7,	228.0,	0.0);
(437009.4,	3724974.5,	215.2,	227.0,	0.0);	(437013.5,	3724966.0,	216.6,	226.0,	0.0);
(437017.5,	3724957.6,	216.2,	226.0,	0.0);	(437021.6,	3724949.1,	215.6,	226.0,	0.0);
(437025.6,	3724940.6,	214.8,	226.0,	0.0);	(437029.7,	3724932.1,	213.1,	227.0,	0.0);
(437033.7,	3724923.6,	210.6,	227.0,	0.0);	(437037.8,	3724915.1,	208.6,	228.0,	0.0);
(437041.8,	3724906.6,	207.1,	228.0,	0.0);	(437045.8,	3724898.1,	205.1,	228.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437049.9,	3724889.6,	203.1,	228.0,	0.0);	(437053.9,	3724881.1,	201.0,	228.0,	0.0);
(	437058.0,	3724872.6,	199.4,	228.0,	0.0);	(437062.0,	3724864.1,	198.5,	228.0,	0.0);
(	437066.1,	3724855.7,	197.3,	228.0,	0.0);	(437070.1,	3724847.2,	196.1,	228.0,	0.0);
(	437090.4,	3724804.7,	193.2,	228.0,	0.0);	(437094.4,	3724796.2,	192.9,	228.0,	0.0);
(	437098.5,	3724787.7,	192.5,	228.0,	0.0);	(437102.5,	3724779.2,	191.7,	228.0,	0.0);
(	436956.9,	3725495.3,	220.1,	220.1,	0.0);	(436953.7,	3725486.4,	220.2,	220.2,	0.0);
(	436950.6,	3725477.5,	220.3,	220.3,	0.0);	(436947.4,	3725468.6,	220.0,	220.0,	0.0);
(	436944.3,	3725459.6,	219.7,	219.7,	0.0);	(436941.1,	3725450.7,	219.4,	219.4,	0.0);
(	436938.0,	3725441.8,	219.3,	219.3,	0.0);	(436925.4,	3725406.2,	218.5,	218.5,	0.0);
(	436922.3,	3725397.3,	218.0,	218.0,	0.0);	(436919.1,	3725388.4,	217.5,	217.5,	0.0);
(	436916.0,	3725379.5,	217.1,	217.1,	0.0);	(436912.8,	3725370.6,	216.8,	216.8,	0.0);
(	436887.6,	3725299.3,	217.8,	217.8,	0.0);	(436884.5,	3725290.4,	218.1,	218.1,	0.0);
(	436881.4,	3725281.5,	218.5,	218.5,	0.0);	(436878.2,	3725272.5,	219.0,	219.0,	0.0);
(	436865.6,	3725236.9,	217.3,	217.3,	0.0);	(436862.5,	3725228.0,	216.3,	219.0,	0.0);
(	436859.3,	3725219.1,	215.2,	219.0,	0.0);	(436860.3,	3725201.7,	213.2,	228.0,	0.0);
(	436864.3,	3725193.1,	212.8,	228.0,	0.0);	(436868.4,	3725184.6,	212.4,	228.0,	0.0);
(	436900.9,	3725116.4,	216.9,	228.0,	0.0);	(436905.0,	3725107.8,	217.8,	228.0,	0.0);
(	436909.0,	3725099.3,	218.6,	228.0,	0.0);	(436913.1,	3725090.8,	219.5,	228.0,	0.0);
(	436917.2,	3725082.2,	220.2,	228.0,	0.0);	(436921.2,	3725073.7,	220.8,	228.0,	0.0);
(	436925.3,	3725065.2,	221.4,	221.4,	0.0);	(436929.4,	3725056.6,	222.0,	222.0,	0.0);
(	436933.4,	3725048.1,	221.6,	226.0,	0.0);	(436937.5,	3725039.6,	220.9,	228.0,	0.0);
(	436941.5,	3725031.1,	220.1,	228.0,	0.0);	(436945.6,	3725022.5,	219.0,	228.0,	0.0);
(	436949.7,	3725014.0,	217.7,	228.0,	0.0);	(436953.7,	3725005.5,	216.5,	228.0,	0.0);
(	436957.8,	3724996.9,	215.3,	228.0,	0.0);	(436961.9,	3724988.4,	216.2,	228.0,	0.0);
(	436965.9,	3724979.9,	217.4,	228.0,	0.0);	(436970.0,	3724971.4,	218.7,	227.0,	0.0);
(	436974.1,	3724962.8,	219.6,	226.0,	0.0);	(436978.1,	3724954.3,	219.8,	226.0,	0.0);
(	436982.2,	3724945.8,	219.9,	226.0,	0.0);	(436986.3,	3724937.2,	220.1,	226.0,	0.0);
(	436990.3,	3724928.7,	217.0,	227.0,	0.0);	(436994.4,	3724920.2,	213.2,	228.0,	0.0);
(	436998.5,	3724911.6,	209.8,	228.0,	0.0);	(437002.5,	3724903.1,	206.9,	228.0,	0.0);
(	437006.6,	3724894.6,	204.7,	228.0,	0.0);	(437010.6,	3724886.1,	202.6,	228.0,	0.0);
(	437014.7,	3724877.5,	200.5,	228.0,	0.0);	(437018.8,	3724869.0,	200.0,	228.0,	0.0);
(	437022.8,	3724860.5,	199.9,	228.0,	0.0);	(437026.9,	3724851.9,	199.6,	228.0,	0.0);
(	437059.4,	3724783.7,	199.5,	227.0,	0.0);	(437063.5,	3724775.2,	198.0,	228.0,	0.0);
(	437067.6,	3724766.6,	196.5,	228.0,	0.0);	(437071.6,	3724758.1,	195.0,	228.0,	0.0);
(	437075.7,	3724749.6,	193.5,	228.0,	0.0);	(436918.7,	3725498.3,	221.7,	221.7,	0.0);
(	436915.6,	3725489.5,	221.9,	221.9,	0.0);	(436912.5,	3725480.7,	222.1,	222.1,	0.0);
(	436909.4,	3725471.9,	222.2,	222.2,	0.0);	(436906.3,	3725463.1,	222.1,	222.1,	0.0);
(	436903.2,	3725454.3,	222.0,	222.0,	0.0);	(436900.1,	3725445.5,	221.9,	221.9,	0.0);
(	436893.9,	3725427.9,	221.2,	221.2,	0.0);	(436890.8,	3725419.1,	220.8,	220.8,	0.0);
(	436887.7,	3725410.3,	220.4,	220.4,	0.0);	(436884.6,	3725401.5,	220.0,	220.0,	0.0);
(	436881.5,	3725392.8,	219.7,	219.7,	0.0);	(436878.4,	3725384.0,	219.3,	219.3,	0.0);
(	436875.2,	3725375.2,	219.3,	223.0,	0.0);	(436872.1,	3725366.4,	219.2,	223.0,	0.0);
(	436869.0,	3725357.6,	219.1,	219.1,	0.0);	(436865.9,	3725348.8,	219.2,	219.2,	0.0);
(	436862.8,	3725340.0,	219.3,	219.3,	0.0);	(436859.7,	3725331.2,	219.4,	219.4,	0.0);
(	436856.6,	3725322.4,	219.4,	219.4,	0.0);	(436853.5,	3725313.6,	219.5,	219.5,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	436850.4,	3725304.8,	219.6,	219.6,	0.0);	(	436847.3,	3725296.0,	219.7,	219.7,	0.0);
(	436844.2,	3725287.2,	219.9,	219.9,	0.0);	(	436841.1,	3725278.4,	220.0,	220.0,	0.0);
(	436838.0,	3725269.6,	220.1,	220.1,	0.0);	(	436828.7,	3725243.3,	219.6,	219.6,	0.0);
(	436825.6,	3725234.5,	219.3,	219.3,	0.0);	(	436822.5,	3725225.7,	218.4,	218.4,	0.0);
(	436819.3,	3725216.9,	217.8,	220.0,	0.0);	(	436820.3,	3725199.7,	216.7,	218.0,	0.0);
(	436824.3,	3725191.2,	216.3,	224.0,	0.0);	(	436828.3,	3725182.8,	215.8,	226.0,	0.0);
(	436876.4,	3725081.8,	223.0,	228.0,	0.0);	(	436880.4,	3725073.4,	223.6,	228.0,	0.0);
(	436884.5,	3725065.0,	224.1,	226.0,	0.0);	(	436888.5,	3725056.5,	224.7,	224.7,	0.0);
(	436892.5,	3725048.1,	225.0,	225.0,	0.0);	(	437032.9,	3724753.4,	204.2,	227.0,	0.0);
(	437036.9,	3724745.0,	202.5,	227.0,	0.0);	(	437040.9,	3724736.6,	200.8,	227.0,	0.0);
(	437044.9,	3724728.2,	199.2,	227.0,	0.0);	(	437049.0,	3724719.8,	197.3,	227.0,	0.0);
(	436848.0,	3725409.1,	223.1,	223.1,	0.0);	(	436844.9,	3725400.3,	223.0,	223.0,	0.0);
(	436841.8,	3725391.5,	223.0,	223.0,	0.0);	(	436838.7,	3725382.6,	222.8,	222.8,	0.0);
(	436835.6,	3725373.8,	222.4,	222.4,	0.0);	(	436832.5,	3725365.0,	222.0,	222.0,	0.0);
(	436829.3,	3725356.1,	221.7,	221.7,	0.0);	(	436826.2,	3725347.3,	221.6,	221.6,	0.0);
(	436823.1,	3725338.5,	221.5,	221.5,	0.0);	(	436820.0,	3725329.6,	221.4,	221.4,	0.0);
(	436816.8,	3725320.8,	221.5,	221.5,	0.0);	(	436813.7,	3725312.0,	221.7,	221.7,	0.0);
(	436810.6,	3725303.1,	221.9,	221.9,	0.0);	(	436807.5,	3725294.3,	222.0,	222.0,	0.0);
(	436804.4,	3725285.5,	221.8,	221.8,	0.0);	(	436801.3,	3725276.6,	221.6,	221.6,	0.0);
(	436798.1,	3725267.8,	221.4,	221.4,	0.0);	(	436795.0,	3725259.0,	221.1,	221.1,	0.0);
(	436791.9,	3725250.1,	220.7,	220.7,	0.0);	(	436788.8,	3725241.3,	220.3,	220.3,	0.0);
(	436785.7,	3725232.5,	219.9,	219.9,	0.0);	(	436782.5,	3725223.6,	219.5,	219.5,	0.0);
(	436779.4,	3725214.8,	219.3,	223.0,	0.0);	(	436780.3,	3725197.5,	219.3,	226.0,	0.0);
(	436816.6,	3725121.4,	220.5,	228.0,	0.0);	(	436820.6,	3725112.9,	221.2,	228.0,	0.0);
(	436824.7,	3725104.5,	222.6,	228.0,	0.0);	(	436828.7,	3725096.0,	224.1,	226.0,	0.0);
(	436832.7,	3725087.6,	225.7,	225.7,	0.0);	(	436836.8,	3725079.1,	226.5,	226.5,	0.0);
(	436840.8,	3725070.7,	226.9,	226.9,	0.0);	(	436844.8,	3725062.2,	227.2,	227.2,	0.0);
(	436848.8,	3725053.8,	227.4,	227.4,	0.0);	(	437010.0,	3724715.5,	205.5,	220.0,	0.0);
(	437014.1,	3724707.0,	203.8,	220.0,	0.0);	(	437018.1,	3724698.6,	202.4,	220.0,	0.0);
(	437022.1,	3724690.1,	200.7,	220.0,	0.0);	(	436846.0,	3725514.3,	225.9,	225.9,	0.0);
(	436842.8,	3725505.4,	225.9,	225.9,	0.0);	(	436839.7,	3725496.6,	226.0,	226.0,	0.0);
(	436836.6,	3725487.7,	226.1,	226.1,	0.0);	(	436833.5,	3725478.8,	226.2,	226.2,	0.0);
(	436830.3,	3725469.9,	226.3,	226.3,	0.0);	(	436824.1,	3725452.2,	226.5,	226.5,	0.0);
(	436789.6,	3725354.6,	222.3,	222.3,	0.0);	(	436786.5,	3725345.8,	222.2,	222.2,	0.0);
(	436783.3,	3725336.9,	222.0,	222.0,	0.0);	(	436780.2,	3725328.0,	222.0,	222.0,	0.0);
(	436777.1,	3725319.2,	222.2,	222.2,	0.0);	(	436773.9,	3725310.3,	222.6,	222.6,	0.0);
(	436770.8,	3725301.4,	223.1,	223.1,	0.0);	(	436767.7,	3725292.6,	223.3,	223.3,	0.0);
(	436764.5,	3725283.7,	223.3,	223.3,	0.0);	(	436761.4,	3725274.8,	223.3,	223.3,	0.0);
(	436758.3,	3725266.0,	223.4,	223.4,	0.0);	(	436755.1,	3725257.1,	223.3,	223.3,	0.0);
(	436752.0,	3725248.2,	223.2,	223.2,	0.0);	(	436748.9,	3725239.3,	223.2,	223.2,	0.0);
(	436745.8,	3725230.5,	223.1,	223.1,	0.0);	(	436742.6,	3725221.6,	223.1,	223.1,	0.0);
(	436739.5,	3725212.8,	223.2,	223.2,	0.0);	(	436740.4,	3725195.4,	223.5,	223.5,	0.0);
(	436772.8,	3725127.5,	224.1,	224.1,	0.0);	(	436776.8,	3725119.0,	224.1,	224.1,	0.0);
(	436780.9,	3725110.5,	224.1,	224.1,	0.0);	(	436784.9,	3725102.0,	224.3,	224.3,	0.0);
(	436789.0,	3725093.5,	224.8,	224.8,	0.0);	(	436793.0,	3725085.0,	225.5,	225.5,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436797.0,	3725076.5,	226.2,	226.2,	0.0);	(436801.1,	3725068.0,	226.9,	226.9,	0.0);
(436805.1,	3725059.5,	227.6,	227.6,	0.0);	(436809.2,	3725051.0,	227.6,	227.6,	0.0);
(436813.2,	3725042.5,	227.2,	227.2,	0.0);	(436817.3,	3725034.0,	226.9,	226.9,	0.0);
(436787.6,	3725459.9,	225.5,	225.5,	0.0);	(436784.4,	3725451.0,	224.8,	224.8,	0.0);
(436781.3,	3725442.1,	224.0,	227.0,	0.0);	(436753.0,	3725362.0,	219.7,	219.7,	0.0);
(436749.8,	3725353.1,	220.2,	220.2,	0.0);	(436746.7,	3725344.2,	220.8,	220.8,	0.0);
(436743.6,	3725335.3,	221.4,	221.4,	0.0);	(436740.4,	3725326.4,	222.0,	222.0,	0.0);
(436737.3,	3725317.5,	222.7,	222.7,	0.0);	(436734.1,	3725308.6,	223.5,	223.5,	0.0);
(436731.0,	3725299.7,	224.3,	224.3,	0.0);	(436727.8,	3725290.8,	224.9,	224.9,	0.0);
(436724.7,	3725281.9,	225.2,	225.2,	0.0);	(436721.6,	3725273.0,	225.7,	225.7,	0.0);
(436718.4,	3725264.1,	225.9,	225.9,	0.0);	(436715.3,	3725255.2,	225.7,	225.7,	0.0);
(436712.1,	3725246.3,	225.5,	225.5,	0.0);	(436709.0,	3725237.4,	225.4,	225.4,	0.0);
(436705.8,	3725228.5,	225.5,	225.5,	0.0);	(436702.7,	3725219.6,	225.6,	225.6,	0.0);
(436699.6,	3725210.7,	225.7,	225.7,	0.0);	(436700.5,	3725193.2,	225.8,	225.8,	0.0);
(436728.9,	3725133.6,	225.4,	225.4,	0.0);	(436733.0,	3725125.1,	225.7,	225.7,	0.0);
(436737.0,	3725116.5,	226.0,	226.0,	0.0);	(436741.1,	3725108.0,	224.5,	226.0,	0.0);
(436745.1,	3725099.5,	223.1,	226.0,	0.0);	(436749.2,	3725091.0,	221.8,	231.0,	0.0);
(436753.3,	3725082.5,	221.5,	231.0,	0.0);	(436757.3,	3725073.9,	222.2,	228.0,	0.0);
(436759.1,	3725490.3,	221.9,	226.0,	0.0);	(436756.0,	3725481.5,	221.4,	227.0,	0.0);
(436752.9,	3725472.7,	220.3,	227.0,	0.0);	(436749.8,	3725463.9,	218.8,	227.0,	0.0);
(436746.7,	3725455.1,	217.4,	227.0,	0.0);	(436743.6,	3725446.3,	216.0,	227.0,	0.0);
(436740.5,	3725437.5,	215.4,	227.0,	0.0);	(436737.3,	3725428.7,	214.7,	227.0,	0.0);
(436712.5,	3725358.2,	218.9,	220.0,	0.0);	(436709.3,	3725349.4,	219.6,	219.6,	0.0);
(436706.2,	3725340.6,	220.2,	225.0,	0.0);	(436703.1,	3725331.8,	220.9,	225.0,	0.0);
(436700.0,	3725323.0,	221.7,	225.0,	0.0);	(436696.9,	3725314.2,	222.7,	225.0,	0.0);
(436693.8,	3725305.4,	223.8,	225.0,	0.0);	(436690.7,	3725296.5,	224.9,	224.9,	0.0);
(436687.6,	3725287.8,	225.2,	225.2,	0.0);	(436684.5,	3725278.9,	225.4,	225.4,	0.0);
(436681.3,	3725270.1,	225.8,	225.8,	0.0);	(436678.2,	3725261.3,	226.0,	226.0,	0.0);
(436675.1,	3725252.5,	226.0,	226.0,	0.0);	(436672.0,	3725243.7,	226.0,	226.0,	0.0);
(436688.6,	3725132.2,	224.4,	233.0,	0.0);	(436692.6,	3725123.8,	224.4,	233.0,	0.0);
(436696.6,	3725115.3,	224.5,	233.0,	0.0);	(436700.7,	3725106.9,	224.1,	233.0,	0.0);
(436704.7,	3725098.5,	223.2,	233.0,	0.0);	(436708.7,	3725090.0,	221.7,	233.0,	0.0);
(436712.7,	3725081.6,	220.0,	233.0,	0.0);	(436788.2,	3725683.8,	210.8,	242.0,	0.0);
(436785.1,	3725674.9,	211.2,	242.0,	0.0);	(436782.0,	3725666.1,	211.6,	242.0,	0.0);
(436778.8,	3725657.2,	211.9,	242.0,	0.0);	(436772.6,	3725639.5,	215.1,	227.0,	0.0);
(436769.5,	3725630.7,	216.5,	227.0,	0.0);	(436766.4,	3725621.9,	217.0,	227.0,	0.0);
(436763.2,	3725613.0,	217.0,	227.0,	0.0);	(436760.1,	3725604.2,	217.0,	227.0,	0.0);
(436757.0,	3725595.3,	217.0,	227.0,	0.0);	(436753.9,	3725586.5,	217.2,	227.0,	0.0);
(436750.8,	3725577.7,	217.4,	227.0,	0.0);	(436747.6,	3725568.8,	217.6,	227.0,	0.0);
(436744.5,	3725560.0,	217.7,	227.0,	0.0);	(436741.4,	3725551.1,	217.7,	227.0,	0.0);
(436716.4,	3725480.4,	214.2,	227.0,	0.0);	(436713.3,	3725471.6,	213.2,	227.0,	0.0);
(436710.2,	3725462.8,	212.2,	227.0,	0.0);	(436707.0,	3725453.9,	211.1,	227.0,	0.0);
(436703.9,	3725445.1,	209.9,	227.0,	0.0);	(436700.8,	3725436.2,	209.2,	227.0,	0.0);
(436697.7,	3725427.4,	208.5,	227.0,	0.0);	(436694.6,	3725418.6,	207.7,	227.0,	0.0);
(436691.4,	3725409.7,	208.7,	227.0,	0.0);	(436632.1,	3725241.8,	226.7,	226.7,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436664.9,	3725096.0,	228.5,	233.0,	0.0);	(436764.5,	3725727.6,	212.1,	242.0,	0.0);
(436761.4,	3725718.7,	211.1,	242.0,	0.0);	(436758.2,	3725709.9,	210.0,	242.0,	0.0);
(436755.1,	3725701.0,	209.0,	242.0,	0.0);	(436752.0,	3725692.1,	207.8,	242.0,	0.0);
(436748.8,	3725683.3,	207.4,	242.0,	0.0);	(436745.7,	3725674.4,	208.5,	242.0,	0.0);
(436742.6,	3725665.5,	209.4,	227.0,	0.0);	(436739.5,	3725656.7,	210.3,	227.0,	0.0);
(436736.3,	3725647.8,	210.8,	227.0,	0.0);	(436733.2,	3725638.9,	211.3,	227.0,	0.0);
(436730.0,	3725630.0,	211.7,	227.0,	0.0);	(436726.9,	3725621.2,	211.9,	227.0,	0.0);
(436723.8,	3725612.3,	211.9,	227.0,	0.0);	(436720.6,	3725603.4,	211.9,	227.0,	0.0);
(436717.5,	3725594.6,	211.9,	227.0,	0.0);	(436714.4,	3725585.7,	212.4,	227.0,	0.0);
(436711.3,	3725576.8,	212.8,	227.0,	0.0);	(436708.1,	3725568.0,	213.3,	227.0,	0.0);
(436705.0,	3725559.1,	213.5,	227.0,	0.0);	(436701.9,	3725550.2,	213.8,	227.0,	0.0);
(436698.7,	3725541.4,	214.2,	227.0,	0.0);	(436695.6,	3725532.5,	214.4,	227.0,	0.0);
(436670.5,	3725461.5,	207.8,	227.0,	0.0);	(436667.4,	3725452.7,	206.5,	227.0,	0.0);
(436664.3,	3725443.8,	205.5,	227.0,	0.0);	(436661.1,	3725434.9,	205.1,	227.0,	0.0);
(436658.0,	3725426.1,	204.8,	227.0,	0.0);	(436654.9,	3725417.2,	204.5,	227.0,	0.0);
(436595.4,	3725248.7,	224.8,	224.8,	0.0);	(436592.2,	3725239.8,	225.1,	226.0,	0.0);
(436589.1,	3725230.9,	223.6,	226.0,	0.0);	(436586.0,	3725222.1,	220.6,	227.0,	0.0);
(436582.8,	3725213.2,	217.2,	233.0,	0.0);	(436725.1,	3725727.1,	209.5,	241.0,	0.0);
(436722.0,	3725718.3,	208.4,	242.0,	0.0);	(436718.9,	3725709.4,	207.7,	242.0,	0.0);
(436715.7,	3725700.5,	207.3,	242.0,	0.0);	(436712.6,	3725691.6,	206.9,	242.0,	0.0);
(436709.4,	3725682.7,	206.9,	227.0,	0.0);	(436706.3,	3725673.8,	207.4,	227.0,	0.0);
(436703.1,	3725664.9,	207.9,	227.0,	0.0);	(436700.0,	3725656.0,	208.4,	227.0,	0.0);
(436696.9,	3725647.1,	208.4,	227.0,	0.0);	(436693.7,	3725638.2,	208.3,	227.0,	0.0);
(436690.6,	3725629.3,	208.1,	227.0,	0.0);	(436687.4,	3725620.4,	207.8,	227.0,	0.0);
(436684.3,	3725611.5,	207.6,	227.0,	0.0);	(436681.1,	3725602.6,	207.4,	227.0,	0.0);
(436678.0,	3725593.7,	207.5,	227.0,	0.0);	(436674.9,	3725584.8,	208.3,	227.0,	0.0);
(436671.7,	3725575.9,	209.2,	227.0,	0.0);	(436668.6,	3725567.0,	210.2,	227.0,	0.0);
(436665.5,	3725558.1,	210.4,	227.0,	0.0);	(436662.3,	3725549.2,	210.2,	227.0,	0.0);
(436659.2,	3725540.3,	210.0,	227.0,	0.0);	(436656.0,	3725531.4,	209.3,	227.0,	0.0);
(436652.9,	3725522.5,	208.4,	227.0,	0.0);	(436561.8,	3725264.5,	221.8,	221.8,	0.0);
(436558.6,	3725255.6,	222.0,	222.0,	0.0);	(436555.5,	3725246.7,	222.2,	222.2,	0.0);
(436552.3,	3725237.8,	222.4,	222.4,	0.0);	(436549.2,	3725228.9,	219.8,	226.0,	0.0);
(437547.8,	3725319.5,	204.4,	219.0,	0.0);	(437559.6,	3725332.5,	204.8,	219.0,	0.0);
(437528.6,	3725313.2,	203.4,	219.0,	0.0);	(437540.4,	3725326.2,	203.7,	219.0,	0.0);
(437552.2,	3725339.2,	204.1,	219.0,	0.0);	(437509.3,	3725306.8,	202.3,	220.0,	0.0);
(437521.1,	3725319.9,	202.7,	219.0,	0.0);	(437533.0,	3725332.9,	203.0,	219.0,	0.0);
(437544.8,	3725345.9,	203.4,	219.0,	0.0);	(437501.9,	3725313.6,	201.6,	221.0,	0.0);
(437513.7,	3725326.6,	201.9,	220.0,	0.0);	(437525.6,	3725339.6,	202.3,	219.0,	0.0);
(437537.4,	3725352.6,	202.6,	219.0,	0.0);	(437494.5,	3725320.3,	201.4,	221.0,	0.0);
(437506.3,	3725333.3,	201.4,	221.0,	0.0);	(437518.1,	3725346.3,	201.8,	220.0,	0.0);
(437530.0,	3725359.4,	202.0,	219.0,	0.0);	(437498.9,	3725340.0,	201.1,	221.0,	0.0);
(437510.7,	3725353.0,	201.4,	221.0,	0.0);	(437522.5,	3725366.1,	202.0,	220.0,	0.0);
(437491.5,	3725346.7,	201.9,	221.0,	0.0);	(437503.3,	3725359.8,	201.4,	221.0,	0.0);
(437515.1,	3725372.8,	202.3,	220.0,	0.0);	(437464.9,	3725347.1,	205.0,	221.0,	0.0);
(437476.7,	3725360.2,	204.4,	221.0,	0.0);	(437488.5,	3725373.2,	204.0,	221.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437500.3,	3725386.2,	204.0,	220.0,	0.0);	(	437450.1,	3725360.6,	207.2,	221.0,	0.0);
(	437441.0,	3725440.0,	209.9,	220.0,	0.0);	(	437414.4,	3725440.4,	210.7,	220.0,	0.0);
(	437426.2,	3725453.4,	210.9,	220.0,	0.0);	(	437399.6,	3725453.8,	211.8,	211.8,	0.0);
(	437411.4,	3725466.8,	212.3,	220.0,	0.0);	(	437384.8,	3725467.2,	212.7,	220.0,	0.0);
(	437486.3,	3725362.9,	203.4,	221.0,	0.0);	(	437290.7,	3725439.4,	210.3,	221.0,	0.0);
(	436672.5,	3725697.8,	204.6,	227.0,	0.0);	(	437557.5,	3725323.2,	205.0,	219.0,	0.0);
(	436768.5,	3725455.4,	222.2,	227.0,	0.0);	(	436729.1,	3725462.0,	214.8,	227.0,	0.0);
(	436689.6,	3725468.6,	211.0,	227.0,	0.0);	(	437438.2,	3725332.1,	208.1,	221.0,	0.0);
(	437418.1,	3725327.9,	209.5,	221.0,	0.0);	(	437118.4,	3725341.5,	205.7,	205.7,	0.0);
(	437058.2,	3725338.6,	208.1,	208.1,	0.0);	(	436998.3,	3725340.3,	210.9,	210.9,	0.0);
(	436958.3,	3725341.5,	213.1,	213.1,	0.0);	(	436918.3,	3725342.7,	215.5,	215.5,	0.0);
(	436878.3,	3725343.9,	218.4,	218.4,	0.0);	(	436838.3,	3725345.1,	220.7,	220.7,	0.0);
(	436798.4,	3725346.3,	222.4,	222.4,	0.0);	(	436758.4,	3725347.4,	221.0,	221.0,	0.0);
(	436718.4,	3725348.6,	220.4,	220.4,	0.0);	(	436678.4,	3725349.8,	216.5,	226.0,	0.0);
(	437334.0,	3725234.4,	209.6,	220.0,	0.0);	(	437312.6,	3725235.1,	211.5,	211.5,	0.0);
(	437286.9,	3725217.8,	213.0,	213.0,	0.0);	(	437230.3,	3725197.9,	215.2,	215.2,	0.0);
(	436994.5,	3725114.9,	212.1,	228.0,	0.0);	(	437626.0,	3725373.7,	206.1,	219.0,	0.0);
(	437633.4,	3725380.0,	206.0,	220.0,	0.0);	(	437640.8,	3725386.3,	205.7,	220.0,	0.0);
(	437648.2,	3725392.6,	205.8,	220.0,	0.0);	(	437655.6,	3725398.8,	206.1,	220.0,	0.0);
(	437663.0,	3725405.1,	206.4,	221.0,	0.0);	(	437670.4,	3725411.4,	206.7,	221.0,	0.0);
(	437619.6,	3725381.3,	205.3,	219.0,	0.0);	(	437627.0,	3725387.6,	205.2,	220.0,	0.0);
(	437634.3,	3725393.9,	205.4,	220.0,	0.0);	(	437641.7,	3725400.2,	205.4,	220.0,	0.0);
(	437649.1,	3725406.5,	205.3,	220.0,	0.0);	(	437656.5,	3725412.8,	205.6,	221.0,	0.0);
(	437663.9,	3725419.0,	205.9,	221.0,	0.0);	(	437613.1,	3725389.0,	204.8,	219.0,	0.0);
(	437620.5,	3725395.2,	205.0,	219.0,	0.0);	(	437627.9,	3725401.5,	205.1,	219.0,	0.0);
(	437635.2,	3725407.8,	205.1,	220.0,	0.0);	(	437642.6,	3725414.1,	205.1,	220.0,	0.0);
(	437650.0,	3725420.4,	205.0,	220.0,	0.0);	(	437657.4,	3725426.6,	205.3,	220.0,	0.0);
(	437599.2,	3725390.3,	204.3,	219.0,	0.0);	(	437606.6,	3725396.6,	204.6,	219.0,	0.0);
(	437614.0,	3725402.9,	204.8,	219.0,	0.0);	(	437621.4,	3725409.1,	205.0,	219.0,	0.0);
(	437628.8,	3725415.4,	205.0,	219.0,	0.0);	(	437636.2,	3725421.7,	204.9,	220.0,	0.0);
(	437643.6,	3725428.0,	204.9,	220.0,	0.0);	(	437651.0,	3725434.3,	205.0,	220.0,	0.0);
(	437551.3,	3725354.0,	203.5,	219.0,	0.0);	(	437592.8,	3725397.9,	204.1,	219.0,	0.0);
(	437600.1,	3725404.2,	204.4,	219.0,	0.0);	(	437607.5,	3725410.5,	204.6,	219.0,	0.0);
(	437614.9,	3725416.8,	204.8,	219.0,	0.0);	(	437622.3,	3725423.0,	204.8,	219.0,	0.0);
(	437629.7,	3725429.3,	204.7,	219.0,	0.0);	(	437637.1,	3725435.6,	204.7,	204.7,	0.0);
(	437644.5,	3725441.9,	204.9,	212.0,	0.0);	(	437593.7,	3725411.8,	204.1,	219.0,	0.0);
(	437601.0,	3725418.1,	204.4,	219.0,	0.0);	(	437608.4,	3725424.4,	204.5,	204.5,	0.0);
(	437615.8,	3725430.7,	204.5,	204.5,	0.0);	(	437623.2,	3725436.9,	204.4,	204.4,	0.0);
(	437630.6,	3725443.2,	204.4,	204.4,	0.0);	(	437638.0,	3725449.5,	204.6,	204.6,	0.0);
(	437545.8,	3725381.0,	203.1,	219.0,	0.0);	(	437536.9,	3725367.0,	202.5,	219.0,	0.0);
(	437587.2,	3725419.4,	204.0,	204.0,	0.0);	(	437594.6,	3725425.7,	204.1,	204.1,	0.0);
(	437602.0,	3725432.0,	204.2,	204.2,	0.0);	(	437609.3,	3725438.3,	204.2,	204.2,	0.0);
(	437616.7,	3725444.6,	204.1,	204.1,	0.0);	(	437624.1,	3725450.8,	204.2,	204.2,	0.0);
(	437631.5,	3725457.1,	204.4,	204.4,	0.0);	(	437538.7,	3725387.6,	202.7,	215.0,	0.0);
(	437533.6,	3725379.6,	202.3,	217.0,	0.0);	(	437532.5,	3725395.8,	202.8,	202.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437523.0,	3725380.7,	202.3,	220.0,	0.0);	(437517.2,	3725389.4,	203.0,	220.0,	0.0);
(437480.4,	3725348.2,	203.2,	221.0,	0.0);	(437584.4,	3725482.7,	205.2,	245.0,	0.0);
(437591.8,	3725488.9,	205.4,	245.0,	0.0);	(437599.1,	3725495.2,	205.3,	245.0,	0.0);
(437460.8,	3725362.0,	206.2,	221.0,	0.0);	(437504.9,	3725441.4,	205.7,	227.0,	0.0);
(437512.3,	3725447.7,	205.6,	227.0,	0.0);	(437519.7,	3725453.9,	205.6,	227.0,	0.0);
(437527.1,	3725460.2,	205.6,	227.0,	0.0);	(437571.4,	3725497.9,	205.7,	245.0,	0.0);
(437578.8,	3725504.2,	205.9,	245.0,	0.0);	(437586.2,	3725510.5,	206.0,	245.0,	0.0);
(437486.9,	3725448.6,	206.5,	227.0,	0.0);	(437441.5,	3725367.0,	208.2,	221.0,	0.0);
(437492.0,	3725456.6,	206.7,	227.0,	0.0);	(437499.3,	3725462.9,	206.6,	228.0,	0.0);
(437506.7,	3725469.2,	206.5,	228.0,	0.0);	(437514.1,	3725475.5,	206.5,	228.0,	0.0);
(437521.5,	3725481.8,	206.5,	228.0,	0.0);	(437558.5,	3725513.1,	206.3,	245.0,	0.0);
(437565.8,	3725519.4,	206.4,	245.0,	0.0);	(437573.2,	3725525.7,	206.4,	245.0,	0.0);
(437464.7,	3725449.3,	207.7,	227.0,	0.0);	(437423.1,	3725346.1,	209.8,	221.0,	0.0);
(437486.4,	3725478.1,	208.0,	228.0,	0.0);	(437493.8,	3725484.4,	207.9,	228.0,	0.0);
(437501.2,	3725490.7,	207.9,	228.0,	0.0);	(437508.6,	3725497.0,	207.9,	228.0,	0.0);
(437545.5,	3725528.4,	207.2,	245.0,	0.0);	(437552.9,	3725534.7,	207.2,	245.0,	0.0);
(437560.3,	3725540.9,	207.1,	246.0,	0.0);	(437456.3,	3725471.7,	210.0,	227.0,	0.0);
(437451.4,	3725464.0,	210.0,	227.0,	0.0);	(437446.5,	3725456.3,	210.0,	225.0,	0.0);
(437473.4,	3725493.4,	209.9,	228.0,	0.0);	(437480.8,	3725499.7,	209.8,	228.0,	0.0);
(437488.2,	3725505.9,	209.8,	228.0,	0.0);	(437443.1,	3725486.6,	212.0,	227.0,	0.0);
(437438.1,	3725478.7,	212.1,	225.0,	0.0);	(437433.1,	3725470.8,	211.9,	225.0,	0.0);
(437428.1,	3725463.0,	211.5,	225.0,	0.0);	(437414.7,	3725477.5,	213.0,	225.0,	0.0);
(437327.3,	3725352.4,	220.6,	220.6,	0.0);	(437306.3,	3725403.6,	212.7,	221.0,	0.0);
(437310.1,	3725300.6,	216.6,	220.0,	0.0);	(437312.0,	3725475.9,	211.2,	212.0,	0.0);
(437307.0,	3725468.0,	210.7,	220.0,	0.0);	(437302.0,	3725460.2,	210.3,	221.0,	0.0);
(437297.0,	3725452.3,	210.1,	221.0,	0.0);	(437277.7,	3725402.2,	210.3,	221.0,	0.0);
(437280.5,	3725327.6,	217.3,	220.0,	0.0);	(437282.8,	3725483.5,	208.7,	220.0,	0.0);
(437277.9,	3725475.7,	208.2,	221.0,	0.0);	(437272.9,	3725467.8,	208.2,	221.0,	0.0);
(437267.9,	3725460.0,	208.1,	221.0,	0.0);	(437249.1,	3725400.8,	207.6,	221.0,	0.0);
(437244.9,	3725477.2,	207.0,	239.0,	0.0);	(437220.1,	3725407.6,	206.0,	221.0,	0.0);
(437223.0,	3725330.5,	206.5,	221.0,	0.0);	(437223.4,	3725320.8,	206.9,	221.0,	0.0);
(437223.7,	3725311.2,	207.4,	221.0,	0.0);	(437227.0,	3725224.5,	214.6,	214.6,	0.0);
(437227.3,	3725214.9,	214.7,	214.7,	0.0);	(437191.5,	3725406.0,	206.2,	221.0,	0.0);
(437191.9,	3725396.4,	206.1,	221.0,	0.0);	(437194.4,	3725329.4,	204.9,	221.0,	0.0);
(437194.8,	3725319.8,	204.8,	221.0,	0.0);	(437195.1,	3725310.2,	204.8,	221.0,	0.0);
(437198.3,	3725224.0,	210.0,	220.0,	0.0);	(437198.7,	3725214.4,	211.0,	216.0,	0.0);
(437199.0,	3725204.8,	211.9,	215.0,	0.0);	(437162.9,	3725404.5,	206.6,	206.6,	0.0);
(437163.3,	3725394.9,	206.3,	206.3,	0.0);	(437168.3,	3725261.5,	203.1,	221.0,	0.0);
(437169.7,	3725223.4,	204.9,	220.0,	0.0);	(437170.0,	3725213.9,	205.6,	220.0,	0.0);
(437170.4,	3725204.4,	206.2,	220.0,	0.0);	(437170.7,	3725194.8,	206.2,	220.0,	0.0);
(437134.0,	3725412.5,	207.1,	207.1,	0.0);	(437134.3,	3725403.0,	206.7,	206.7,	0.0);
(437136.8,	3725336.6,	205.1,	205.1,	0.0);	(437137.1,	3725327.1,	205.1,	205.1,	0.0);
(437137.5,	3725317.6,	204.5,	220.0,	0.0);	(437139.6,	3725260.7,	201.0,	220.0,	0.0);
(437141.0,	3725222.8,	201.6,	220.0,	0.0);	(437141.4,	3725213.3,	202.0,	220.0,	0.0);
(437141.7,	3725203.8,	202.3,	220.0,	0.0);	(437142.1,	3725194.3,	202.3,	220.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(METERS)

(437105.3,	3725411.1,	208.0,	208.0,	0.0);	(437108.2,	3725335.5,	206.1,	206.1,	0.0);
(437108.5,	3725326.0,	206.0,	206.0,	0.0);	(437108.9,	3725316.6,	205.4,	205.4,	0.0);
(437111.0,	3725259.9,	202.7,	215.0,	0.0);	(437112.4,	3725222.1,	201.5,	220.0,	0.0);
(437113.1,	3725203.2,	201.0,	220.0,	0.0);	(437113.4,	3725193.7,	200.8,	220.0,	0.0);
(437076.7,	3725409.7,	209.0,	209.0,	0.0);	(437079.2,	3725343.8,	207.6,	207.6,	0.0);
(437079.5,	3725334.3,	207.3,	207.3,	0.0);	(437079.9,	3725324.9,	207.0,	207.0,	0.0);
(437080.2,	3725315.5,	206.6,	206.6,	0.0);	(437082.0,	3725268.4,	204.9,	204.9,	0.0);
(437083.8,	3725221.3,	202.8,	202.8,	0.0);	(437084.5,	3725202.5,	201.7,	219.0,	0.0);
(437084.8,	3725193.1,	201.4,	220.0,	0.0);	(437085.1,	3725183.7,	201.1,	228.0,	0.0);
(437051.1,	3725328.9,	208.0,	208.0,	0.0);	(437051.4,	3725319.3,	207.9,	207.9,	0.0);
(437053.6,	3725261.3,	205.7,	205.7,	0.0);	(437056.1,	3725193.7,	203.5,	203.5,	0.0);
(437056.5,	3725184.1,	203.4,	228.0,	0.0);	(437016.7,	3725481.6,	213.3,	240.0,	0.0);
(437017.1,	3725472.0,	213.2,	220.0,	0.0);	(437024.6,	3725270.1,	207.0,	207.0,	0.0);
(437027.5,	3725193.2,	205.2,	224.0,	0.0);	(437027.8,	3725183.6,	204.9,	228.0,	0.0);
(436978.1,	3725492.2,	217.5,	220.0,	0.0);	(436978.4,	3725482.7,	217.5,	220.0,	0.0);
(436981.6,	3725397.3,	213.9,	213.9,	0.0);	(436982.0,	3725387.8,	213.6,	213.6,	0.0);
(436982.3,	3725378.4,	213.2,	213.2,	0.0);	(436984.5,	3725321.4,	211.0,	211.0,	0.0);
(436984.8,	3725312.0,	210.8,	210.8,	0.0);	(436985.2,	3725302.5,	210.5,	210.5,	0.0);
(436987.6,	3725236.1,	209.1,	209.1,	0.0);	(436988.0,	3725226.6,	208.5,	208.5,	0.0);
(436988.3,	3725217.1,	207.8,	214.0,	0.0);	(436988.7,	3725207.6,	207.1,	214.0,	0.0);
(436989.0,	3725198.1,	206.8,	228.0,	0.0);	(436989.4,	3725188.6,	206.4,	228.0,	0.0);
(436939.5,	3725502.5,	220.7,	220.7,	0.0);	(436939.8,	3725492.9,	220.7,	220.7,	0.0);
(436940.2,	3725483.3,	220.7,	220.7,	0.0);	(436943.1,	3725406.5,	217.2,	219.0,	0.0);
(436943.4,	3725396.9,	216.6,	219.0,	0.0);	(436943.8,	3725387.3,	216.1,	216.1,	0.0);
(436944.1,	3725377.7,	215.6,	215.6,	0.0);	(436946.3,	3725320.1,	212.9,	212.9,	0.0);
(436946.6,	3725310.5,	212.9,	212.9,	0.0);	(436947.0,	3725300.9,	212.8,	212.8,	0.0);
(436947.3,	3725291.3,	213.0,	213.0,	0.0);	(436947.7,	3725281.7,	213.3,	213.3,	0.0);
(436949.8,	3725224.1,	210.8,	220.0,	0.0);	(436950.2,	3725214.5,	209.8,	220.0,	0.0);
(436950.6,	3725204.9,	208.9,	228.0,	0.0);	(436909.0,	3725294.9,	216.1,	216.1,	0.0);
(436909.3,	3725285.4,	216.1,	216.1,	0.0);	(436911.5,	3725228.5,	214.0,	220.0,	0.0);
(436911.8,	3725219.0,	213.2,	220.0,	0.0);	(436912.2,	3725209.5,	212.4,	220.0,	0.0);
(436912.5,	3725200.0,	211.9,	226.0,	0.0);	(436915.7,	3725114.6,	216.1,	228.0,	0.0);
(436916.1,	3725105.1,	217.4,	228.0,	0.0);	(436862.6,	3725513.8,	225.4,	225.4,	0.0);
(436863.0,	3725504.2,	225.2,	225.2,	0.0);	(436863.3,	3725494.6,	225.2,	225.2,	0.0);
(436863.7,	3725485.1,	225.2,	225.2,	0.0);	(436866.5,	3725408.4,	221.7,	221.7,	0.0);
(436866.9,	3725398.8,	221.1,	221.1,	0.0);	(436867.2,	3725389.2,	220.4,	220.4,	0.0);
(436869.4,	3725331.7,	219.0,	219.0,	0.0);	(436869.8,	3725322.1,	219.0,	219.0,	0.0);
(436870.1,	3725312.5,	219.0,	219.0,	0.0);	(436870.5,	3725302.9,	218.9,	218.9,	0.0);
(436870.8,	3725293.3,	219.0,	219.0,	0.0);	(436871.2,	3725283.7,	219.3,	219.3,	0.0);
(436873.3,	3725226.2,	215.5,	220.0,	0.0);	(436873.7,	3725216.6,	214.3,	220.0,	0.0);
(436874.0,	3725207.0,	213.1,	226.0,	0.0);	(436874.4,	3725197.4,	212.7,	228.0,	0.0);
(436824.4,	3725514.4,	226.4,	226.4,	0.0);	(436824.7,	3725504.7,	226.5,	226.5,	0.0);
(436825.1,	3725495.0,	226.5,	226.5,	0.0);	(436825.4,	3725485.3,	226.5,	226.5,	0.0);
(436828.3,	3725407.9,	224.4,	224.4,	0.0);	(436828.7,	3725398.2,	223.9,	223.9,	0.0);
(436829.0,	3725388.5,	223.5,	223.5,	0.0);	(436831.2,	3725330.5,	220.7,	220.7,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(	436831.6,	3725320.8,	220.5,	220.5,	0.0);	(436831.9,	3725311.1,	220.5,	220.5,	0.0);
(	436832.3,	3725301.4,	220.5,	220.5,	0.0);	(436832.7,	3725291.8,	220.4,	220.4,	0.0);
(	436834.8,	3725233.7,	218.8,	218.8,	0.0);	(436835.2,	3725224.0,	217.3,	219.0,	0.0);
(	436835.5,	3725214.3,	215.8,	220.0,	0.0);	(436835.9,	3725204.6,	214.5,	225.0,	0.0);
(	436836.3,	3725194.9,	214.5,	226.0,	0.0);	(436838.8,	3725127.2,	218.6,	228.0,	0.0);
(	436839.1,	3725117.5,	219.8,	228.0,	0.0);	(436839.5,	3725107.8,	221.7,	228.0,	0.0);
(	436839.9,	3725098.1,	223.6,	228.0,	0.0);	(436792.9,	3725333.6,	222.1,	222.1,	0.0);
(	436793.2,	3725324.0,	222.0,	222.0,	0.0);	(436793.6,	3725314.4,	222.2,	222.2,	0.0);
(	436793.9,	3725304.8,	222.4,	222.4,	0.0);	(436794.3,	3725295.3,	222.5,	222.5,	0.0);
(	436794.7,	3725285.7,	222.2,	222.2,	0.0);	(436796.8,	3725228.2,	219.6,	219.6,	0.0);
(	436797.1,	3725218.6,	219.1,	219.1,	0.0);	(436797.5,	3725209.1,	218.6,	218.6,	0.0);
(	436797.9,	3725199.5,	218.6,	224.0,	0.0);	(436800.7,	3725122.9,	221.7,	226.0,	0.0);
(	436801.1,	3725113.3,	222.2,	228.0,	0.0);	(436801.4,	3725103.7,	223.4,	226.0,	0.0);
(	436801.8,	3725094.1,	224.7,	226.0,	0.0);	(436802.1,	3725084.5,	225.9,	225.9,	0.0);
(	436771.9,	3725605.1,	218.6,	227.0,	0.0);	(436766.8,	3725597.0,	218.2,	227.0,	0.0);
(	436750.7,	3725438.7,	217.3,	227.0,	0.0);	(436751.1,	3725429.0,	217.3,	227.0,	0.0);
(	436754.7,	3725332.4,	221.7,	221.7,	0.0);	(436755.0,	3725322.8,	222.2,	222.2,	0.0);
(	436755.4,	3725313.1,	222.8,	222.8,	0.0);	(436755.8,	3725303.4,	223.4,	223.4,	0.0);
(	436756.1,	3725293.8,	223.8,	223.8,	0.0);	(436758.3,	3725235.8,	222.1,	223.0,	0.0);
(	436758.6,	3725226.1,	221.8,	221.8,	0.0);	(436759.0,	3725216.5,	221.4,	221.4,	0.0);
(	436759.4,	3725206.8,	221.0,	221.0,	0.0);	(436759.7,	3725197.1,	221.5,	224.0,	0.0);
(	436762.2,	3725129.5,	224.7,	224.7,	0.0);	(436762.6,	3725119.8,	225.0,	225.0,	0.0);
(	436763.0,	3725110.2,	224.7,	224.7,	0.0);	(436763.3,	3725100.5,	223.9,	226.0,	0.0);
(	436763.7,	3725090.8,	223.2,	225.0,	0.0);	(436764.0,	3725081.2,	223.1,	227.0,	0.0);
(	436779.2,	3725688.0,	210.1,	242.0,	0.0);	(436774.1,	3725679.9,	209.9,	242.0,	0.0);
(	436769.0,	3725671.8,	210.2,	242.0,	0.0);	(436763.8,	3725663.7,	210.7,	242.0,	0.0);
(	436758.7,	3725655.6,	211.4,	227.0,	0.0);	(436753.6,	3725647.5,	212.2,	227.0,	0.0);
(	436748.5,	3725639.4,	212.6,	227.0,	0.0);	(436743.3,	3725631.4,	212.9,	227.0,	0.0);
(	436738.2,	3725623.3,	213.0,	227.0,	0.0);	(436712.4,	3725440.8,	210.9,	227.0,	0.0);
(	436712.8,	3725431.2,	210.6,	227.0,	0.0);	(436713.1,	3725421.6,	210.3,	227.0,	0.0);
(	436716.3,	3725335.5,	221.2,	221.2,	0.0);	(436716.7,	3725325.9,	221.9,	225.0,	0.0);
(	436717.1,	3725316.4,	222.9,	225.0,	0.0);	(436717.4,	3725306.8,	223.9,	225.0,	0.0);
(	436717.8,	3725297.2,	224.9,	224.9,	0.0);	(436719.9,	3725239.8,	225.1,	225.1,	0.0);
(	436720.3,	3725230.2,	225.0,	225.0,	0.0);	(436720.6,	3725220.7,	224.9,	224.9,	0.0);
(	436721.0,	3725211.1,	224.9,	224.9,	0.0);	(436721.3,	3725201.5,	225.0,	225.0,	0.0);
(	436721.7,	3725191.9,	225.3,	225.3,	0.0);	(436724.5,	3725115.4,	225.8,	225.8,	0.0);
(	436724.9,	3725105.8,	223.7,	231.0,	0.0);	(436725.3,	3725096.2,	221.6,	233.0,	0.0);
(	436725.6,	3725086.7,	219.5,	233.0,	0.0);	(436751.5,	3725715.6,	210.1,	242.0,	0.0);
(	436746.4,	3725707.5,	209.0,	242.0,	0.0);	(436741.2,	3725699.3,	208.1,	242.0,	0.0);
(	436736.0,	3725691.2,	207.4,	242.0,	0.0);	(436730.9,	3725683.0,	207.3,	242.0,	0.0);
(	436725.7,	3725674.9,	207.9,	242.0,	0.0);	(436720.5,	3725666.7,	208.3,	227.0,	0.0);
(	436715.3,	3725658.6,	208.7,	227.0,	0.0);	(436710.2,	3725650.4,	209.0,	227.0,	0.0);
(	436705.0,	3725642.2,	209.0,	227.0,	0.0);	(436670.6,	3725536.9,	211.4,	227.0,	0.0);
(	436671.0,	3725527.3,	211.2,	227.0,	0.0);	(436674.2,	3725440.5,	206.4,	227.0,	0.0);
(	436674.6,	3725430.8,	206.2,	227.0,	0.0);	(436674.9,	3725421.2,	206.1,	227.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	436675.3,	3725411.5,	206.9,	227.0,	0.0);	(436678.2,	3725334.3,	218.9,	226.0,	0.0);
(	436678.5,	3725324.7,	220.5,	225.0,	0.0);	(436678.9,	3725315.0,	221.8,	225.0,	0.0);
(	436679.2,	3725305.4,	223.1,	225.0,	0.0);	(436679.6,	3725295.8,	224.4,	224.4,	0.0);
(	436681.8,	3725237.9,	226.0,	226.0,	0.0);	(436682.1,	3725228.2,	226.1,	226.1,	0.0);
(	436682.5,	3725218.6,	226.1,	226.1,	0.0);	(436682.8,	3725208.9,	226.2,	226.2,	0.0);
(	436683.2,	3725199.3,	226.2,	226.2,	0.0);	(436686.4,	3725112.4,	224.4,	233.0,	0.0);
(	436686.8,	3725102.8,	224.8,	233.0,	0.0);	(436687.1,	3725093.2,	225.2,	233.0,	0.0);
(	436712.2,	3725724.9,	208.4,	227.0,	0.0);	(436707.1,	3725716.8,	207.2,	242.0,	0.0);
(	436702.0,	3725708.8,	206.7,	241.0,	0.0);	(436696.8,	3725700.7,	206.4,	227.0,	0.0);
(	436691.7,	3725692.6,	206.1,	227.0,	0.0);	(436686.6,	3725684.5,	205.7,	227.0,	0.0);
(	436681.5,	3725676.4,	205.6,	227.0,	0.0);	(436676.3,	3725668.3,	205.4,	227.0,	0.0);
(	436671.2,	3725660.3,	205.3,	227.0,	0.0);	(436666.1,	3725652.2,	205.0,	227.0,	0.0);
(	436661.0,	3725644.1,	204.6,	227.0,	0.0);	(436655.8,	3725636.0,	204.5,	227.0,	0.0);
(	436650.7,	3725627.9,	204.6,	227.0,	0.0);	(436645.6,	3725619.9,	205.0,	227.0,	0.0);
(	436640.5,	3725611.8,	205.8,	227.0,	0.0);	(436635.3,	3725603.7,	206.8,	227.0,	0.0);
(	436630.6,	3725586.0,	208.3,	208.3,	0.0);	(436630.9,	3725576.5,	208.7,	208.7,	0.0);
(	436631.3,	3725566.9,	209.0,	209.0,	0.0);	(436631.6,	3725557.4,	208.5,	226.0,	0.0);
(	436632.0,	3725547.8,	208.0,	227.0,	0.0);	(436632.3,	3725538.2,	207.4,	227.0,	0.0);
(	436632.7,	3725528.7,	206.8,	227.0,	0.0);	(436633.1,	3725519.1,	206.2,	227.0,	0.0);
(	436633.4,	3725509.5,	205.6,	227.0,	0.0);	(436643.4,	3725241.8,	226.4,	226.4,	0.0);
(	437682.2,	3725420.9,	207.1,	221.0,	0.0);	(437676.0,	3725428.7,	206.0,	222.0,	0.0);
(	437669.7,	3725436.5,	205.4,	221.0,	0.0);	(437663.5,	3725444.3,	205.1,	220.0,	0.0);
(	437657.2,	3725452.1,	205.0,	220.0,	0.0);	(437645.1,	3725455.3,	204.9,	204.9,	0.0);
(	437638.9,	3725463.1,	204.6,	245.0,	0.0);	(437607.6,	3725502.1,	205.3,	245.0,	0.0);
(	437595.1,	3725517.7,	205.9,	245.0,	0.0);	(437582.6,	3725533.3,	206.2,	246.0,	0.0);
(	437570.1,	3725548.9,	207.1,	246.0,	0.0);	(437631.4,	3725681.0,	216.7,	260.0,	0.0);
(	437617.3,	3725676.3,	216.1,	260.0,	0.0);	(437603.2,	3725671.7,	215.6,	260.0,	0.0);
(	437661.0,	3725710.1,	219.9,	260.0,	0.0);	(437646.8,	3725705.5,	219.8,	246.0,	0.0);
(	437632.7,	3725700.8,	218.9,	260.0,	0.0);	(437618.6,	3725696.2,	218.0,	260.0,	0.0);
(	437604.5,	3725691.5,	217.9,	260.0,	0.0);	(437590.3,	3725686.9,	218.0,	246.0,	0.0);
(	437576.2,	3725682.3,	217.4,	246.0,	0.0);	(437578.0,	3725712.0,	218.9,	262.0,	0.0);
(	437563.9,	3725707.4,	218.7,	262.0,	0.0);	(437549.7,	3725702.7,	219.5,	246.0,	0.0);
(	437722.0,	3725788.5,	227.1,	245.0,	0.0);	(437707.8,	3725783.8,	226.9,	246.0,	0.0);
(	437693.6,	3725779.1,	226.7,	246.0,	0.0);	(437752.3,	3725822.0,	229.2,	245.0,	0.0);
(	437738.5,	3725823.0,	231.4,	245.0,	0.0);	(437724.2,	3725818.4,	232.6,	245.0,	0.0);
(	437710.0,	3725813.7,	233.5,	245.0,	0.0);	(437695.8,	3725809.0,	232.7,	245.0,	0.0);
(	437681.5,	3725804.3,	231.7,	245.0,	0.0);	(437553.4,	3725762.2,	224.4,	262.0,	0.0);
(	437539.2,	3725757.6,	224.7,	246.0,	0.0);	(437525.0,	3725752.9,	225.0,	246.0,	0.0);
(	437774.7,	3725841.7,	227.3,	262.0,	0.0);	(437761.3,	3725848.5,	229.4,	262.0,	0.0);
(	437740.8,	3725852.9,	232.8,	245.0,	0.0);	(437726.5,	3725848.3,	234.8,	245.0,	0.0);
(	437598.2,	3725806.1,	230.6,	246.0,	0.0);	(437583.9,	3725801.4,	229.1,	260.0,	0.0);
(	437569.6,	3725796.7,	228.0,	262.0,	0.0);	(437555.4,	3725792.0,	227.3,	262.0,	0.0);
(	437541.1,	3725787.4,	227.5,	246.0,	0.0);	(437526.9,	3725782.7,	227.8,	246.0,	0.0);
(	437810.5,	3725854.5,	222.4,	262.0,	0.0);	(437797.1,	3725861.3,	224.3,	262.0,	0.0);
(	437783.7,	3725868.1,	226.0,	262.0,	0.0);	(437770.3,	3725875.0,	227.0,	262.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437614.5,	3725840.6,	239.4,	245.0,	0.0);	(437600.2,	3725835.9,	237.0,	245.0,	0.0);
(	437557.4,	3725821.9,	231.2,	246.0,	0.0);	(437833.0,	3725874.1,	219.8,	262.0,	0.0);
(	437819.6,	3725880.9,	221.2,	262.0,	0.0);	(437806.2,	3725887.8,	222.6,	262.0,	0.0);
(	437792.8,	3725894.6,	223.5,	262.0,	0.0);	(437645.2,	3725879.9,	243.8,	243.8,	0.0);
(	437631.0,	3725875.2,	244.7,	244.7,	0.0);	(437616.6,	3725870.5,	244.8,	244.8,	0.0);
(	437602.3,	3725865.8,	243.2,	245.0,	0.0);	(437855.5,	3725893.7,	219.9,	262.0,	0.0);
(	437842.1,	3725900.5,	220.2,	262.0,	0.0);	(437828.7,	3725907.4,	220.8,	263.0,	0.0);
(	437815.3,	3725914.2,	222.1,	263.0,	0.0);	(437801.8,	3725921.1,	222.9,	263.0,	0.0);
(	437788.4,	3725927.9,	223.8,	263.0,	0.0);	(437690.4,	3725923.8,	233.8,	262.0,	0.0);
(	437676.1,	3725919.1,	236.3,	262.0,	0.0);	(437878.1,	3725913.3,	220.0,	262.0,	0.0);
(	437864.7,	3725920.1,	220.6,	262.0,	0.0);	(437851.2,	3725927.0,	221.3,	262.0,	0.0);
(	437837.8,	3725933.8,	222.2,	263.0,	0.0);	(437824.3,	3725940.7,	223.2,	263.0,	0.0);
(	437810.9,	3725947.5,	224.1,	263.0,	0.0);	(437797.5,	3725954.4,	224.9,	263.0,	0.0);
(	437735.6,	3725967.9,	227.1,	263.0,	0.0);	(437721.3,	3725963.2,	228.7,	263.0,	0.0);
(	437707.0,	3725958.4,	230.3,	263.0,	0.0);	(437692.6,	3725953.7,	232.3,	263.0,	0.0);
(	437678.3,	3725949.0,	234.5,	262.0,	0.0);	(437664.0,	3725944.3,	237.0,	262.0,	0.0);
(	437649.6,	3725939.6,	239.6,	262.0,	0.0);	(437846.9,	3725960.3,	223.1,	263.0,	0.0);
(	437833.5,	3725967.1,	224.5,	263.0,	0.0);	(437820.0,	3725974.0,	225.5,	263.0,	0.0);
(	437723.6,	3725993.1,	228.6,	263.0,	0.0);	(437709.2,	3725988.3,	230.0,	263.0,	0.0);
(	437694.9,	3725983.6,	231.1,	263.0,	0.0);	(437680.5,	3725978.9,	232.4,	263.0,	0.0);
(	437666.2,	3725974.2,	235.6,	263.0,	0.0);	(437651.8,	3725969.5,	238.6,	262.0,	0.0);
(	437637.5,	3725964.8,	240.4,	262.0,	0.0);	(437623.1,	3725960.1,	242.3,	262.0,	0.0);
(	437802.1,	3726014.2,	230.5,	263.0,	0.0);	(437788.7,	3726021.0,	231.5,	263.0,	0.0);
(	437775.2,	3726027.9,	232.7,	263.0,	0.0);	(437697.1,	3726013.5,	230.5,	263.0,	0.0);
(	437682.8,	3726008.8,	231.1,	263.0,	0.0);	(437668.4,	3726004.1,	233.8,	263.0,	0.0);
(	437654.0,	3725999.4,	237.1,	263.0,	0.0);	(437953.6,	3725978.5,	221.9,	262.0,	0.0);
(	437940.1,	3725985.3,	221.0,	262.0,	0.0);	(437926.6,	3725992.2,	220.1,	262.0,	0.0);
(	437913.1,	3725999.1,	220.4,	263.0,	0.0);	(437899.6,	3726005.9,	221.9,	263.0,	0.0);
(	437805.3,	3726054.0,	234.9,	262.0,	0.0);	(437791.8,	3726060.9,	237.5,	262.0,	0.0);
(	437778.3,	3726067.8,	240.6,	262.0,	0.0);	(437983.8,	3726004.5,	226.7,	240.0,	0.0);
(	437970.3,	3726011.4,	225.8,	257.0,	0.0);	(437956.8,	3726018.2,	224.8,	262.0,	0.0);
(	437943.3,	3726025.1,	223.7,	262.0,	0.0);	(437929.8,	3726032.0,	222.9,	262.0,	0.0);
(	437916.3,	3726038.9,	222.7,	263.0,	0.0);	(437902.8,	3726045.8,	223.5,	263.0,	0.0);
(	437889.3,	3726052.6,	224.0,	263.0,	0.0);	(438014.0,	3726030.5,	232.5,	239.0,	0.0);
(	438000.5,	3726037.4,	231.0,	240.0,	0.0);	(437987.0,	3726044.3,	229.2,	243.0,	0.0);
(	437973.5,	3726051.2,	227.6,	255.0,	0.0);	(437960.0,	3726058.1,	226.4,	262.0,	0.0);
(	437946.5,	3726064.9,	225.4,	262.0,	0.0);	(437933.0,	3726071.8,	224.3,	262.0,	0.0);
(	437919.5,	3726078.7,	223.1,	263.0,	0.0);	(437906.0,	3726085.6,	223.5,	263.0,	0.0);
(	437677.4,	3726123.6,	254.8,	262.0,	0.0);	(437663.0,	3726118.9,	256.2,	262.0,	0.0);
(	437648.6,	3726114.2,	257.1,	262.0,	0.0);	(437634.2,	3726109.5,	258.7,	262.0,	0.0);
(	438044.3,	3726056.5,	237.7,	237.7,	0.0);	(438030.8,	3726063.4,	237.3,	239.0,	0.0);
(	438017.3,	3726070.3,	235.7,	240.0,	0.0);	(438003.8,	3726077.2,	233.9,	240.0,	0.0);
(	437990.3,	3726084.1,	231.4,	243.0,	0.0);	(437976.8,	3726091.0,	229.2,	243.0,	0.0);
(	437963.2,	3726097.9,	227.7,	257.0,	0.0);	(437949.7,	3726104.8,	226.0,	262.0,	0.0);
(	437936.2,	3726111.6,	225.1,	262.0,	0.0);	(437922.7,	3726118.5,	224.2,	263.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(437909.2,	3726125.4,	223.7,	263.0,	0.0);	(437895.7,	3726132.3,	223.2,	263.0,	0.0);
(437882.2,	3726139.2,	223.6,	263.0,	0.0);	(437666.0,	3726158.8,	250.5,	262.0,	0.0);
(437651.5,	3726154.0,	254.8,	262.0,	0.0);	(437637.1,	3726149.3,	258.1,	262.0,	0.0);
(437622.7,	3726144.6,	261.1,	261.1,	0.0);	(438074.6,	3726082.6,	234.3,	240.0,	0.0);
(438061.1,	3726089.4,	236.6,	240.0,	0.0);	(438047.6,	3726096.3,	238.6,	240.0,	0.0);
(438034.1,	3726103.2,	239.2,	240.0,	0.0);	(438020.5,	3726110.1,	237.5,	240.0,	0.0);
(438007.0,	3726117.0,	235.9,	243.0,	0.0);	(437993.5,	3726123.9,	233.4,	243.0,	0.0);
(437980.0,	3726130.8,	230.9,	245.0,	0.0);	(437966.4,	3726137.7,	228.8,	255.0,	0.0);
(437952.9,	3726144.6,	226.8,	262.0,	0.0);	(437939.4,	3726151.5,	225.7,	262.0,	0.0);
(437925.9,	3726158.4,	224.6,	263.0,	0.0);	(437912.3,	3726165.2,	224.0,	263.0,	0.0);
(437898.8,	3726172.1,	224.1,	263.0,	0.0);	(437885.3,	3726179.0,	224.5,	263.0,	0.0);
(437871.8,	3726185.9,	224.9,	263.0,	0.0);	(437858.2,	3726192.8,	225.1,	263.0,	0.0);
(437844.7,	3726199.7,	225.7,	263.0,	0.0);	(437831.2,	3726206.6,	226.6,	263.0,	0.0);
(437817.7,	3726213.5,	228.1,	263.0,	0.0);	(437611.3,	3726179.7,	259.6,	259.6,	0.0);
(437596.9,	3726174.9,	260.5,	260.5,	0.0);	(437582.4,	3726170.2,	259.9,	261.0,	0.0);
(438348.6,	3725984.4,	227.2,	230.0,	0.0);	(438094.5,	3726113.9,	232.7,	245.0,	0.0);
(438081.1,	3726120.7,	234.8,	243.0,	0.0);	(438067.7,	3726127.5,	236.9,	243.0,	0.0);
(438054.4,	3726134.3,	238.5,	243.0,	0.0);	(438041.0,	3726141.1,	240.4,	243.0,	0.0);
(438027.6,	3726148.0,	239.7,	243.0,	0.0);	(438014.2,	3726154.8,	238.3,	243.0,	0.0);
(438000.9,	3726161.6,	235.9,	243.0,	0.0);	(437987.5,	3726168.4,	232.9,	245.0,	0.0);
(437974.1,	3726175.2,	230.5,	246.0,	0.0);	(437960.7,	3726182.0,	228.7,	255.0,	0.0);
(437947.4,	3726188.9,	226.8,	262.0,	0.0);	(437934.0,	3726195.7,	225.4,	262.0,	0.0);
(437920.6,	3726202.5,	224.3,	263.0,	0.0);	(437907.2,	3726209.3,	225.0,	263.0,	0.0);
(437893.9,	3726216.1,	226.1,	263.0,	0.0);	(437616.2,	3726220.2,	257.5,	262.0,	0.0);
(437601.9,	3726215.5,	259.5,	262.0,	0.0);	(437587.7,	3726210.8,	261.1,	261.1,	0.0);
(437573.4,	3726206.1,	261.6,	261.6,	0.0);	(437559.1,	3726201.4,	262.1,	262.1,	0.0);
(438360.2,	3725975.2,	228.8,	228.8,	0.0);	(438370.0,	3725963.7,	230.0,	230.0,	0.0);
(438379.0,	3726010.3,	229.0,	229.0,	0.0);	(438365.6,	3726017.2,	227.5,	228.0,	0.0);
(438352.3,	3726024.0,	225.6,	232.0,	0.0);	(438338.9,	3726030.8,	223.9,	232.0,	0.0);
(438325.5,	3726037.6,	222.2,	232.0,	0.0);	(438312.1,	3726044.4,	221.1,	232.0,	0.0);
(438298.7,	3726051.3,	221.1,	221.1,	0.0);	(438124.7,	3726140.0,	229.9,	246.0,	0.0);
(438111.3,	3726146.8,	231.9,	245.0,	0.0);	(438097.9,	3726153.6,	234.0,	245.0,	0.0);
(438084.5,	3726160.4,	236.1,	245.0,	0.0);	(438071.1,	3726167.2,	238.0,	245.0,	0.0);
(438057.7,	3726174.1,	240.6,	243.0,	0.0);	(438044.3,	3726180.9,	242.5,	242.5,	0.0);
(438030.9,	3726187.7,	241.6,	243.0,	0.0);	(438017.6,	3726194.5,	239.3,	243.0,	0.0);
(438004.2,	3726201.4,	236.9,	245.0,	0.0);	(437990.8,	3726208.2,	234.2,	246.0,	0.0);
(437977.4,	3726215.0,	231.7,	246.0,	0.0);	(437964.0,	3726221.8,	229.9,	246.0,	0.0);
(437950.6,	3726228.6,	228.2,	246.0,	0.0);	(437937.2,	3726235.5,	227.2,	262.0,	0.0);
(437923.8,	3726242.3,	226.4,	263.0,	0.0);	(437776.1,	3726311.6,	242.4,	257.0,	0.0);
(437761.8,	3726306.9,	242.6,	262.0,	0.0);	(437747.6,	3726302.2,	242.6,	263.0,	0.0);
(437733.3,	3726297.5,	243.1,	263.0,	0.0);	(437604.8,	3726255.3,	254.7,	263.0,	0.0);
(438409.5,	3726036.3,	228.0,	228.0,	0.0);	(438396.1,	3726043.1,	226.3,	243.0,	0.0);
(438382.7,	3726049.9,	225.2,	243.0,	0.0);	(438369.3,	3726056.8,	224.6,	230.0,	0.0);
(438355.9,	3726063.6,	223.5,	230.0,	0.0);	(438342.5,	3726070.4,	222.4,	222.4,	0.0);
(438329.1,	3726077.2,	222.0,	222.0,	0.0);	(438315.7,	3726084.1,	222.0,	222.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438302.3,	3726090.9,	221.9,	244.0,	0.0);	(	438288.9,	3726097.7,	221.8,	245.0,	0.0);
(	438275.5,	3726104.6,	222.0,	245.0,	0.0);	(	438262.1,	3726111.4,	222.3,	245.0,	0.0);
(	438248.7,	3726118.2,	222.8,	245.0,	0.0);	(	438235.3,	3726125.0,	223.4,	245.0,	0.0);
(	438128.1,	3726179.7,	235.2,	245.0,	0.0);	(	438114.7,	3726186.5,	236.9,	245.0,	0.0);
(	438101.3,	3726193.3,	237.8,	245.0,	0.0);	(	438087.9,	3726200.2,	240.3,	245.0,	0.0);
(	438074.5,	3726207.0,	242.7,	245.0,	0.0);	(	438061.1,	3726213.8,	243.4,	245.0,	0.0);
(	438047.7,	3726220.6,	242.8,	242.8,	0.0);	(	438034.3,	3726227.5,	241.3,	245.0,	0.0);
(	438020.9,	3726234.3,	239.6,	245.0,	0.0);	(	438007.5,	3726241.1,	237.6,	246.0,	0.0);
(	437994.0,	3726248.0,	235.3,	246.0,	0.0);	(	437980.6,	3726254.8,	233.1,	246.0,	0.0);
(	437967.2,	3726261.6,	231.6,	248.0,	0.0);	(	437953.8,	3726268.4,	230.3,	252.0,	0.0);
(	437940.5,	3726275.3,	229.9,	257.0,	0.0);	(	437927.0,	3726282.1,	229.9,	257.0,	0.0);
(	437913.6,	3726288.9,	230.7,	257.0,	0.0);	(	437873.4,	3726309.4,	237.2,	257.0,	0.0);
(	437860.0,	3726316.2,	239.0,	239.0,	0.0);	(	437846.6,	3726323.1,	239.5,	257.0,	0.0);
(	437806.4,	3726343.6,	244.2,	257.0,	0.0);	(	437793.0,	3726350.4,	245.1,	257.0,	0.0);
(	437779.2,	3726351.5,	245.9,	257.0,	0.0);	(	437764.9,	3726346.8,	247.2,	257.0,	0.0);
(	437750.6,	3726342.1,	247.8,	257.0,	0.0);	(	437736.3,	3726337.4,	248.2,	257.0,	0.0);
(	437722.0,	3726332.7,	249.2,	257.0,	0.0);	(	437707.7,	3726328.0,	250.5,	257.0,	0.0);
(	437693.5,	3726323.3,	252.0,	257.0,	0.0);	(	438421.1,	3726027.1,	229.3,	229.3,	0.0);
(	438431.0,	3726015.5,	230.0,	230.0,	0.0);	(	437863.2,	3726356.1,	240.2,	240.2,	0.0);
(	437849.8,	3726362.9,	241.7,	241.7,	0.0);	(	437836.3,	3726369.8,	242.7,	242.7,	0.0);
(	437822.9,	3726376.6,	243.0,	243.0,	0.0);	(	437809.5,	3726383.4,	242.5,	257.0,	0.0);
(	437796.1,	3726390.3,	241.2,	257.0,	0.0);	(	437782.3,	3726391.3,	241.3,	257.0,	0.0);
(	437768.0,	3726386.6,	242.5,	257.0,	0.0);	(	437753.6,	3726381.9,	245.2,	257.0,	0.0);
(	437739.3,	3726377.2,	247.9,	257.0,	0.0);	(	437725.0,	3726372.5,	250.4,	257.0,	0.0);
(	437710.8,	3726367.8,	252.6,	257.0,	0.0);	(	437696.4,	3726363.1,	254.3,	257.0,	0.0);
(	437682.1,	3726358.4,	256.2,	256.2,	0.0);	(	437667.8,	3726353.8,	254.3,	257.0,	0.0);
(	438461.4,	3726041.4,	230.1,	243.0,	0.0);	(	437799.2,	3726430.1,	237.4,	257.0,	0.0);
(	437785.3,	3726431.2,	235.7,	257.0,	0.0);	(	437771.0,	3726426.5,	235.1,	258.0,	0.0);
(	437756.7,	3726421.8,	237.6,	257.0,	0.0);	(	437742.4,	3726417.1,	240.4,	257.0,	0.0);
(	437728.1,	3726412.4,	243.0,	257.0,	0.0);	(	437713.8,	3726407.7,	245.3,	257.0,	0.0);
(	437699.4,	3726403.0,	247.1,	257.0,	0.0);	(	437685.1,	3726398.3,	249.1,	257.0,	0.0);
(	437670.8,	3726393.6,	249.0,	257.0,	0.0);	(	437656.5,	3726388.9,	246.8,	257.0,	0.0);
(	437642.2,	3726384.2,	243.7,	263.0,	0.0);	(	437627.9,	3726379.5,	240.2,	263.0,	0.0);
(	437912.0,	3725196.1,	211.7,	220.0,	0.0);	(	437925.1,	3725180.9,	210.1,	220.0,	0.0);
(	437944.6,	3725158.2,	208.4,	208.4,	0.0);	(	438044.9,	3725104.5,	208.1,	255.0,	0.0);
(	438051.5,	3725117.5,	208.0,	255.0,	0.0);	(	438058.2,	3725130.6,	207.8,	255.0,	0.0);
(	438064.5,	3725081.8,	208.8,	255.0,	0.0);	(	438071.1,	3725094.9,	208.7,	255.0,	0.0);
(	438077.8,	3725108.0,	208.5,	255.0,	0.0);	(	438084.4,	3725121.0,	208.4,	255.0,	0.0);
(	438117.6,	3725186.4,	207.7,	252.0,	0.0);	(	438124.2,	3725199.5,	208.0,	252.0,	0.0);
(	438084.1,	3725059.1,	209.4,	255.0,	0.0);	(	438090.7,	3725072.2,	209.3,	255.0,	0.0);
(	438097.4,	3725085.3,	209.0,	255.0,	0.0);	(	438104.0,	3725098.4,	209.1,	255.0,	0.0);
(	438130.6,	3725150.8,	208.9,	252.0,	0.0);	(	438137.3,	3725163.9,	208.7,	252.0,	0.0);
(	438144.0,	3725177.0,	208.5,	252.0,	0.0);	(	438150.6,	3725190.1,	208.7,	252.0,	0.0);
(	438157.3,	3725203.2,	208.9,	252.0,	0.0);	(	438163.9,	3725216.3,	209.4,	252.0,	0.0);
(	438117.0,	3725062.7,	209.9,	255.0,	0.0);	(	438123.6,	3725075.8,	209.9,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438150.3,	3725128.3,	209.7,	255.0,	0.0);	(438157.0,	3725141.5,	209.9,	255.0,	0.0);
(438163.6,	3725154.6,	209.8,	252.0,	0.0);	(438170.3,	3725167.7,	209.5,	252.0,	0.0);
(438177.0,	3725180.9,	209.6,	252.0,	0.0);	(438183.6,	3725194.0,	209.8,	252.0,	0.0);
(438190.3,	3725207.1,	210.1,	252.0,	0.0);	(438190.0,	3725145.3,	210.0,	252.0,	0.0);
(438196.7,	3725158.4,	210.3,	252.0,	0.0);	(438203.4,	3725171.6,	210.9,	252.0,	0.0);
(438210.0,	3725184.7,	211.4,	252.0,	0.0);	(438243.5,	3725250.5,	212.8,	212.8,	0.0);
(438250.1,	3725263.7,	213.0,	225.0,	0.0);	(438261.0,	3725223.9,	213.6,	252.0,	0.0);
(438267.6,	3725236.9,	214.2,	225.0,	0.0);	(438274.2,	3725249.8,	214.3,	227.0,	0.0);
(438280.8,	3725262.8,	214.3,	227.0,	0.0);	(438287.4,	3725275.8,	214.6,	227.0,	0.0);
(438294.0,	3725288.7,	214.4,	227.0,	0.0);	(438155.4,	3724934.2,	226.7,	255.0,	0.0);
(438175.2,	3724973.2,	218.3,	255.0,	0.0);	(438181.8,	3724986.3,	215.3,	255.0,	0.0);
(438188.4,	3724999.3,	212.9,	255.0,	0.0);	(438195.0,	3725012.3,	212.5,	255.0,	0.0);
(438201.6,	3725025.3,	212.0,	255.0,	0.0);	(438208.2,	3725038.3,	211.9,	255.0,	0.0);
(438214.8,	3725051.3,	211.9,	255.0,	0.0);	(438307.3,	3725233.4,	218.5,	225.0,	0.0);
(438313.9,	3725246.4,	219.0,	225.0,	0.0);	(438360.1,	3725337.4,	215.6,	265.0,	0.0);
(438366.8,	3725350.4,	214.6,	265.0,	0.0);	(438146.5,	3724922.9,	225.7,	255.0,	0.0);
(438221.2,	3724982.1,	216.9,	255.0,	0.0);	(438227.8,	3724995.2,	214.6,	255.0,	0.0);
(438234.4,	3725008.2,	214.5,	255.0,	0.0);	(438241.1,	3725021.2,	213.9,	255.0,	0.0);
(438247.7,	3725034.3,	213.6,	265.0,	0.0);	(438254.3,	3725047.3,	213.4,	265.0,	0.0);
(438260.9,	3725060.4,	212.8,	265.0,	0.0);	(438280.8,	3725099.5,	212.0,	265.0,	0.0);
(438287.4,	3725112.5,	212.3,	265.0,	0.0);	(438294.0,	3725125.6,	212.8,	265.0,	0.0);
(438386.7,	3725308.1,	222.2,	234.0,	0.0);	(438393.4,	3725321.2,	219.9,	245.0,	0.0);
(438400.0,	3725334.2,	218.2,	265.0,	0.0);	(438406.6,	3725347.2,	217.3,	265.0,	0.0);
(438411.0,	3725367.2,	216.4,	265.0,	0.0);	(438406.5,	3725381.2,	215.6,	265.0,	0.0);
(438172.5,	3724892.6,	227.0,	255.0,	0.0);	(438267.3,	3724991.2,	220.7,	255.0,	0.0);
(438273.9,	3725004.3,	219.3,	255.0,	0.0);	(438280.5,	3725017.3,	218.2,	255.0,	0.0);
(438287.2,	3725030.4,	216.7,	265.0,	0.0);	(438293.8,	3725043.5,	215.2,	265.0,	0.0);
(438307.1,	3725069.6,	213.5,	268.0,	0.0);	(438313.7,	3725082.7,	213.2,	268.0,	0.0);
(438320.4,	3725095.8,	213.5,	268.0,	0.0);	(438327.0,	3725108.8,	214.0,	268.0,	0.0);
(438333.6,	3725121.9,	214.8,	268.0,	0.0);	(438340.3,	3725135.0,	215.7,	268.0,	0.0);
(438346.9,	3725148.0,	216.4,	266.0,	0.0);	(438353.5,	3725161.1,	217.5,	266.0,	0.0);
(438360.2,	3725174.2,	218.6,	265.0,	0.0);	(438366.8,	3725187.2,	219.7,	265.0,	0.0);
(438450.8,	3725364.1,	218.4,	265.0,	0.0);	(438446.3,	3725378.1,	217.8,	265.0,	0.0);
(438441.8,	3725392.0,	217.4,	265.0,	0.0);	(438437.3,	3725406.0,	217.3,	265.0,	0.0);
(438432.8,	3725419.9,	217.0,	245.0,	0.0);	(438340.0,	3725052.8,	215.4,	268.0,	0.0);
(438346.6,	3725065.9,	215.1,	268.0,	0.0);	(438353.3,	3725079.0,	215.2,	268.0,	0.0);
(438360.0,	3725092.1,	215.4,	268.0,	0.0);	(438366.6,	3725105.2,	215.9,	268.0,	0.0);
(438373.3,	3725118.3,	216.3,	268.0,	0.0);	(438379.9,	3725131.4,	217.0,	268.0,	0.0);
(438386.6,	3725144.5,	217.5,	268.0,	0.0);	(438393.2,	3725157.6,	218.6,	268.0,	0.0);
(438399.9,	3725170.7,	219.7,	268.0,	0.0);	(438406.5,	3725183.8,	220.7,	268.0,	0.0);
(438413.2,	3725196.9,	221.8,	266.0,	0.0);	(438419.8,	3725210.0,	223.0,	265.0,	0.0);
(438426.5,	3725223.1,	224.1,	265.0,	0.0);	(438433.1,	3725236.2,	225.1,	265.0,	0.0);
(438439.8,	3725249.3,	227.0,	265.0,	0.0);	(438446.4,	3725262.4,	229.2,	234.0,	0.0);
(438477.1,	3725402.9,	218.9,	265.0,	0.0);	(438472.6,	3725416.9,	218.9,	265.0,	0.0);
(438468.1,	3725430.9,	218.9,	245.0,	0.0);	(438463.5,	3725444.9,	219.1,	245.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438379.6,	3725049.1,	217.6,	268.0,	0.0);	(438386.2,	3725062.2,	217.5,	268.0,	0.0);
(438392.9,	3725075.3,	217.6,	268.0,	0.0);	(438399.6,	3725088.5,	218.0,	268.0,	0.0);
(438406.2,	3725101.6,	218.2,	268.0,	0.0);	(438412.9,	3725114.7,	218.4,	268.0,	0.0);
(438419.6,	3725127.8,	218.9,	268.0,	0.0);	(438426.2,	3725140.9,	219.6,	268.0,	0.0);
(438432.9,	3725154.1,	220.4,	268.0,	0.0);	(438439.6,	3725167.2,	221.0,	268.0,	0.0);
(438446.2,	3725180.3,	221.8,	268.0,	0.0);	(438452.9,	3725193.4,	222.9,	268.0,	0.0);
(438459.6,	3725206.6,	224.0,	268.0,	0.0);	(438466.2,	3725219.7,	225.0,	268.0,	0.0);
(438472.9,	3725232.8,	226.9,	265.0,	0.0);	(438479.5,	3725245.9,	229.6,	265.0,	0.0);
(438486.2,	3725259.1,	232.5,	234.0,	0.0);	(438492.9,	3725272.2,	233.7,	233.7,	0.0);
(438499.5,	3725285.3,	233.3,	233.3,	0.0);	(438506.2,	3725298.4,	233.2,	238.0,	0.0);
(438512.9,	3725311.5,	232.1,	245.0,	0.0);	(438519.5,	3725324.7,	232.1,	245.0,	0.0);
(438526.2,	3725337.8,	230.1,	245.0,	0.0);	(438507.9,	3725427.9,	221.0,	245.0,	0.0);
(438503.4,	3725441.9,	220.5,	245.0,	0.0);	(438498.8,	3725455.9,	220.3,	245.0,	0.0);
(438494.3,	3725469.9,	220.2,	245.0,	0.0);	(438412.5,	3725032.3,	219.6,	268.0,	0.0);
(438419.2,	3725045.4,	219.2,	268.0,	0.0);	(438425.9,	3725058.6,	218.9,	268.0,	0.0);
(438432.5,	3725071.7,	219.2,	268.0,	0.0);	(438439.2,	3725084.9,	219.6,	268.0,	0.0);
(438445.9,	3725098.0,	220.1,	268.0,	0.0);	(438452.6,	3725111.2,	220.5,	268.0,	0.0);
(438459.3,	3725124.3,	221.0,	268.0,	0.0);	(438465.9,	3725137.5,	221.3,	268.0,	0.0);
(438472.6,	3725150.6,	221.6,	268.0,	0.0);	(438479.3,	3725163.8,	222.2,	268.0,	0.0);
(438486.0,	3725176.9,	222.9,	268.0,	0.0);	(438492.6,	3725190.0,	222.6,	268.0,	0.0);
(438499.3,	3725203.2,	222.1,	268.0,	0.0);	(438506.0,	3725216.3,	224.2,	268.0,	0.0);
(438512.7,	3725229.5,	226.9,	268.0,	0.0);	(438519.3,	3725242.6,	228.9,	266.0,	0.0);
(438526.0,	3725255.8,	230.3,	265.0,	0.0);	(438532.7,	3725268.9,	232.0,	265.0,	0.0);
(438539.4,	3725282.1,	234.2,	243.0,	0.0);	(438546.0,	3725295.2,	237.3,	238.0,	0.0);
(438552.7,	3725308.4,	237.0,	243.0,	0.0);	(438559.4,	3725321.5,	236.3,	245.0,	0.0);
(438566.1,	3725334.6,	235.4,	245.0,	0.0);	(438570.5,	3725354.8,	233.0,	245.0,	0.0);
(438565.9,	3725368.8,	229.8,	245.0,	0.0);	(438561.4,	3725382.9,	226.8,	265.0,	0.0);
(438534.1,	3725467.0,	221.5,	275.0,	0.0);	(438529.5,	3725481.0,	221.2,	245.0,	0.0);
(438525.0,	3725495.1,	220.6,	245.0,	0.0);	(438520.5,	3725509.1,	220.0,	245.0,	0.0);
(438379.5,	3725943.9,	228.0,	230.0,	0.0);	(438452.1,	3725028.7,	221.6,	268.0,	0.0);
(438458.8,	3725041.8,	221.4,	268.0,	0.0);	(438465.5,	3725055.0,	221.8,	268.0,	0.0);
(438472.2,	3725068.2,	222.5,	268.0,	0.0);	(438478.9,	3725081.3,	223.0,	268.0,	0.0);
(438485.6,	3725094.5,	223.6,	268.0,	0.0);	(438492.3,	3725107.7,	224.2,	268.0,	0.0);
(438499.0,	3725120.8,	224.3,	268.0,	0.0);	(438505.6,	3725134.0,	223.9,	268.0,	0.0);
(438512.3,	3725147.2,	223.5,	268.0,	0.0);	(438519.0,	3725160.3,	224.0,	268.0,	0.0);
(438525.7,	3725173.5,	223.8,	268.0,	0.0);	(438532.4,	3725186.7,	223.3,	275.0,	0.0);
(438539.1,	3725199.8,	223.3,	275.0,	0.0);	(438545.8,	3725213.0,	224.3,	275.0,	0.0);
(438552.5,	3725226.2,	225.4,	275.0,	0.0);	(438559.1,	3725239.3,	226.9,	275.0,	0.0);
(438565.8,	3725252.5,	229.3,	268.0,	0.0);	(438572.5,	3725265.7,	231.7,	265.0,	0.0);
(438579.2,	3725278.8,	235.0,	265.0,	0.0);	(438585.9,	3725292.0,	238.0,	245.0,	0.0);
(438592.6,	3725305.2,	239.4,	245.0,	0.0);	(438599.2,	3725318.3,	240.7,	245.0,	0.0);
(438605.9,	3725331.5,	241.8,	243.0,	0.0);	(438610.3,	3725351.7,	240.5,	245.0,	0.0);
(438605.8,	3725365.7,	236.8,	245.0,	0.0);	(438601.2,	3725379.8,	232.5,	245.0,	0.0);
(438596.7,	3725393.8,	229.1,	275.0,	0.0);	(438592.1,	3725407.9,	226.6,	275.0,	0.0);
(438560.2,	3725506.2,	221.4,	275.0,	0.0);	(438555.7,	3725520.3,	220.7,	275.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438551.1,	3725534.3,	220.1,	275.0,	0.0);	(438490.2,	3725021.9,	224.9,	268.0,	0.0);
(438496.8,	3725034.9,	225.7,	268.0,	0.0);	(438503.4,	3725048.0,	226.4,	268.0,	0.0);
(438510.0,	3725061.0,	227.0,	268.0,	0.0);	(438516.7,	3725074.1,	227.7,	268.0,	0.0);
(438523.3,	3725087.1,	228.3,	268.0,	0.0);	(438529.9,	3725100.2,	227.9,	268.0,	0.0);
(438536.5,	3725113.2,	227.4,	268.0,	0.0);	(438543.2,	3725126.3,	226.6,	268.0,	0.0);
(438549.8,	3725139.3,	225.7,	268.0,	0.0);	(438556.4,	3725152.3,	224.8,	275.0,	0.0);
(438563.0,	3725165.4,	223.9,	275.0,	0.0);	(438569.7,	3725178.4,	223.1,	275.0,	0.0);
(438576.3,	3725191.5,	223.5,	275.0,	0.0);	(438582.9,	3725204.5,	224.0,	275.0,	0.0);
(438589.5,	3725217.6,	225.2,	275.0,	0.0);	(438596.2,	3725230.6,	226.5,	275.0,	0.0);
(438602.8,	3725243.7,	228.3,	275.0,	0.0);	(438609.4,	3725256.7,	230.4,	275.0,	0.0);
(438616.1,	3725269.8,	232.7,	275.0,	0.0);	(438622.7,	3725282.8,	235.7,	265.0,	0.0);
(438629.3,	3725295.9,	238.9,	245.0,	0.0);	(438635.9,	3725308.9,	241.5,	245.0,	0.0);
(438642.6,	3725322.0,	244.1,	245.0,	0.0);	(438649.2,	3725335.0,	244.6,	244.6,	0.0);
(438650.2,	3725348.5,	244.4,	244.4,	0.0);	(438645.7,	3725362.4,	242.9,	244.0,	0.0);
(438641.2,	3725376.3,	240.0,	245.0,	0.0);	(438636.7,	3725390.3,	236.2,	245.0,	0.0);
(438632.2,	3725404.2,	231.5,	275.0,	0.0);	(438627.7,	3725418.1,	227.6,	275.0,	0.0);
(438623.2,	3725432.0,	226.1,	276.0,	0.0);	(438618.6,	3725445.9,	225.0,	289.0,	0.0);
(438587.1,	3725543.4,	221.2,	289.0,	0.0);	(438582.5,	3725557.3,	221.0,	289.0,	0.0);
(438578.0,	3725571.2,	220.8,	289.0,	0.0);	(438438.1,	3726002.8,	229.8,	229.8,	0.0);
(438529.8,	3725018.2,	229.1,	268.0,	0.0);	(438536.4,	3725031.3,	230.2,	268.0,	0.0);
(438543.0,	3725044.3,	231.1,	268.0,	0.0);	(438549.7,	3725057.4,	232.0,	268.0,	0.0);
(438556.3,	3725070.5,	232.4,	268.0,	0.0);	(438562.9,	3725083.5,	232.5,	268.0,	0.0);
(438569.6,	3725096.6,	232.0,	268.0,	0.0);	(438576.2,	3725109.7,	231.3,	268.0,	0.0);
(438582.9,	3725122.8,	230.1,	268.0,	0.0);	(438589.5,	3725135.8,	228.6,	275.0,	0.0);
(438596.1,	3725148.9,	227.3,	275.0,	0.0);	(438602.8,	3725162.0,	225.9,	275.0,	0.0);
(438609.4,	3725175.0,	224.2,	275.0,	0.0);	(438616.0,	3725188.1,	224.5,	275.0,	0.0);
(438622.7,	3725201.2,	224.3,	275.0,	0.0);	(438629.3,	3725214.2,	224.8,	275.0,	0.0);
(438636.0,	3725227.3,	226.1,	275.0,	0.0);	(438642.6,	3725240.4,	227.6,	275.0,	0.0);
(438649.2,	3725253.5,	229.3,	275.0,	0.0);	(438655.9,	3725266.5,	231.1,	275.0,	0.0);
(438662.5,	3725279.6,	234.2,	275.0,	0.0);	(438669.1,	3725292.7,	237.2,	275.0,	0.0);
(438675.8,	3725305.7,	239.6,	245.0,	0.0);	(438682.4,	3725318.8,	242.0,	244.0,	0.0);
(438689.1,	3725331.9,	243.7,	243.7,	0.0);	(438690.1,	3725345.4,	244.4,	244.4,	0.0);
(438685.6,	3725359.3,	244.4,	244.4,	0.0);	(438681.1,	3725373.3,	241.6,	245.0,	0.0);
(438676.5,	3725387.2,	238.8,	245.0,	0.0);	(438672.0,	3725401.2,	235.5,	275.0,	0.0);
(438667.5,	3725415.1,	232.0,	275.0,	0.0);	(438663.0,	3725429.1,	228.6,	289.0,	0.0);
(438658.5,	3725443.0,	225.6,	289.0,	0.0);	(438654.0,	3725456.9,	224.6,	289.0,	0.0);
(438649.4,	3725470.9,	224.2,	289.0,	0.0);	(438644.9,	3725484.8,	223.7,	289.0,	0.0);
(438613.3,	3725582.5,	221.1,	289.0,	0.0);	(438504.8,	3725917.1,	224.0,	224.0,	0.0);
(438500.2,	3725931.1,	224.2,	243.0,	0.0);	(438495.7,	3725945.0,	224.6,	243.0,	0.0);
(438491.2,	3725959.0,	225.1,	249.0,	0.0);	(438486.7,	3725972.9,	225.7,	249.0,	0.0);
(438482.2,	3725986.9,	226.6,	249.0,	0.0);	(438477.6,	3726000.8,	228.1,	243.0,	0.0);
(438473.1,	3726014.8,	229.4,	243.0,	0.0);	(438468.6,	3726028.7,	230.1,	243.0,	0.0);
(438576.0,	3725027.6,	236.4,	268.0,	0.0);	(438582.7,	3725040.7,	237.6,	268.0,	0.0);
(438589.3,	3725053.8,	239.2,	268.0,	0.0);	(438596.0,	3725066.9,	239.0,	268.0,	0.0);
(438602.6,	3725080.0,	237.5,	268.0,	0.0);	(438609.3,	3725093.1,	236.0,	268.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438615.9,	3725106.2,	234.8,	268.0,	0.0);	(438622.6,	3725119.3,	233.5,	268.0,	0.0);
(	438629.2,	3725132.4,	232.5,	275.0,	0.0);	(438635.9,	3725145.5,	231.7,	275.0,	0.0);
(	438642.5,	3725158.6,	230.8,	275.0,	0.0);	(438649.1,	3725171.6,	230.1,	275.0,	0.0);
(	438655.8,	3725184.7,	229.1,	275.0,	0.0);	(438662.5,	3725197.8,	227.2,	275.0,	0.0);
(	438669.1,	3725210.9,	226.1,	276.0,	0.0);	(438675.7,	3725224.0,	227.3,	276.0,	0.0);
(	438682.4,	3725237.1,	228.4,	276.0,	0.0);	(438689.0,	3725250.2,	229.9,	275.0,	0.0);
(	438695.7,	3725263.3,	230.9,	276.0,	0.0);	(438702.3,	3725276.4,	232.8,	275.0,	0.0);
(	438709.0,	3725289.5,	235.0,	275.0,	0.0);	(438715.6,	3725302.6,	237.1,	275.0,	0.0);
(	438722.3,	3725315.7,	238.6,	275.0,	0.0);	(438728.9,	3725328.8,	239.4,	275.0,	0.0);
(	438730.0,	3725342.3,	240.6,	275.0,	0.0);	(438725.5,	3725356.2,	242.4,	275.0,	0.0);
(	438720.9,	3725370.2,	240.7,	275.0,	0.0);	(438716.4,	3725384.2,	238.8,	275.0,	0.0);
(	438711.9,	3725398.1,	236.4,	275.0,	0.0);	(438707.3,	3725412.1,	233.8,	276.0,	0.0);
(	438702.8,	3725426.1,	231.0,	289.0,	0.0);	(438698.3,	3725440.0,	228.1,	289.0,	0.0);
(	438693.8,	3725454.0,	225.9,	289.0,	0.0);	(438689.2,	3725468.0,	224.6,	289.0,	0.0);
(	438684.7,	3725481.9,	223.9,	289.0,	0.0);	(438680.2,	3725495.9,	223.6,	289.0,	0.0);
(	438675.6,	3725509.9,	223.2,	289.0,	0.0);	(438671.1,	3725523.8,	223.1,	289.0,	0.0);
(	438666.6,	3725537.8,	223.0,	289.0,	0.0);	(438594.1,	3725761.3,	223.8,	223.8,	0.0);
(	438589.6,	3725775.3,	224.0,	224.0,	0.0);	(438557.9,	3725873.0,	225.0,	225.0,	0.0);
(	438553.4,	3725887.0,	225.0,	225.0,	0.0);	(438548.9,	3725901.0,	225.0,	225.0,	0.0);
(	438544.3,	3725914.9,	224.8,	224.8,	0.0);	(438539.8,	3725928.9,	224.7,	243.0,	0.0);
(	438535.3,	3725942.9,	224.8,	249.0,	0.0);	(438530.8,	3725956.8,	225.0,	252.0,	0.0);
(	438526.2,	3725970.8,	225.0,	252.0,	0.0);	(438521.7,	3725984.8,	225.0,	252.0,	0.0);
(	438517.2,	3725998.7,	226.3,	252.0,	0.0);	(438512.6,	3726012.7,	227.9,	252.0,	0.0);
(	438476.5,	3725934.5,	224.3,	243.0,	0.0);	(438497.2,	3725973.2,	225.4,	252.0,	0.0);
(	438502.7,	3725966.0,	225.2,	252.0,	0.0);	(438508.3,	3725958.8,	225.0,	249.0,	0.0);
(	438529.0,	3725997.5,	225.9,	252.0,	0.0);	(438534.5,	3725990.3,	225.3,	252.0,	0.0);
(	438540.0,	3725983.1,	225.0,	252.0,	0.0);	(438532.4,	3725523.4,	220.2,	245.0,	0.0);
(	438566.5,	3725547.0,	220.6,	289.0,	0.0);	(438571.6,	3725531.2,	220.9,	289.0,	0.0);
(	438598.9,	3725570.0,	221.0,	289.0,	0.0);	(438592.0,	3725585.1,	220.6,	289.0,	0.0);
(	438684.2,	3725570.6,	223.5,	289.0,	0.0);	(438539.3,	3725890.3,	224.7,	224.7,	0.0);
(	438532.4,	3725905.5,	224.4,	224.4,	0.0);	(438525.5,	3725920.7,	224.2,	243.0,	0.0);
(	438518.6,	3725935.9,	224.3,	243.0,	0.0);	(438689.3,	3725554.7,	223.7,	289.0,	0.0);
(	438723.4,	3725578.4,	225.6,	289.0,	0.0);	(438716.5,	3725593.7,	225.1,	289.0,	0.0);
(	438709.5,	3725609.0,	224.7,	289.0,	0.0);	(438702.6,	3725624.3,	224.2,	289.0,	0.0);
(	438661.1,	3725715.9,	223.0,	289.0,	0.0);	(438640.3,	3725761.7,	224.5,	289.0,	0.0);
(	438633.4,	3725777.0,	224.8,	224.8,	0.0);	(438626.5,	3725792.2,	225.1,	225.1,	0.0);
(	438619.6,	3725807.5,	225.4,	225.4,	0.0);	(438612.7,	3725822.8,	225.7,	225.7,	0.0);
(	438605.8,	3725838.0,	226.0,	226.0,	0.0);	(438598.8,	3725853.3,	226.4,	226.4,	0.0);
(	438591.9,	3725868.6,	226.2,	226.2,	0.0);	(438585.0,	3725883.9,	225.5,	225.5,	0.0);
(	438578.1,	3725899.1,	225.0,	225.0,	0.0);	(438571.1,	3725914.4,	225.0,	225.0,	0.0);
(	438564.2,	3725929.7,	225.0,	243.0,	0.0);	(438557.3,	3725944.9,	225.0,	252.0,	0.0);
(	438550.4,	3725960.2,	225.0,	252.0,	0.0);	(438728.5,	3725562.5,	225.8,	289.0,	0.0);
(	438498.3,	3725487.9,	219.9,	245.0,	0.0);	(438502.3,	3725464.5,	220.4,	245.0,	0.0);
(	438537.7,	3725494.7,	221.0,	245.0,	0.0);	(438535.3,	3725508.3,	220.5,	245.0,	0.0);
(	438540.4,	3725479.4,	221.6,	275.0,	0.0);	(438658.8,	3725498.9,	223.2,	289.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438661.6,	3725481.9,	223.8,	289.0,	0.0);	(438695.4,	3725522.0,	223.9,	289.0,	0.0);
(438692.4,	3725538.3,	223.8,	289.0,	0.0);	(438698.2,	3725505.3,	224.0,	289.0,	0.0);
(438701.0,	3725488.4,	224.1,	289.0,	0.0);	(438735.1,	3725527.1,	225.2,	289.0,	0.0);
(438732.6,	3725540.7,	225.2,	289.0,	0.0);	(438737.7,	3725511.8,	225.3,	289.0,	0.0);
(438740.5,	3725494.9,	225.5,	289.0,	0.0);	(437801.0,	3725247.3,	219.6,	219.6,	0.0);
(437796.7,	3725239.1,	219.7,	219.7,	0.0);	(437815.0,	3725258.2,	219.6,	219.6,	0.0);
(437809.9,	3725242.6,	219.9,	219.9,	0.0);	(437805.5,	3725234.4,	220.0,	220.0,	0.0);
(437824.0,	3725255.0,	219.9,	219.9,	0.0);	(437823.1,	3725246.1,	219.9,	219.9,	0.0);
(437818.7,	3725237.9,	220.0,	220.0,	0.0);	(437814.4,	3725229.8,	220.0,	220.0,	0.0);
(437810.0,	3725221.6,	220.0,	220.0,	0.0);	(437832.8,	3725250.1,	219.8,	219.8,	0.0);
(437827.5,	3725233.2,	220.0,	220.0,	0.0);	(437823.2,	3725225.1,	220.0,	220.0,	0.0);
(437818.9,	3725216.9,	220.0,	220.0,	0.0);	(437836.4,	3725228.6,	219.5,	219.5,	0.0);
(437832.0,	3725220.4,	219.8,	219.8,	0.0);	(437827.7,	3725212.2,	220.0,	220.0,	0.0);
(437823.3,	3725204.0,	220.0,	220.0,	0.0);	(437845.2,	3725223.9,	218.8,	218.8,	0.0);
(437840.9,	3725215.7,	219.0,	219.0,	0.0);	(437836.5,	3725207.5,	219.3,	219.3,	0.0);
(437832.2,	3725199.3,	219.7,	219.7,	0.0);	(437854.0,	3725219.2,	217.9,	217.9,	0.0);
(437849.7,	3725211.0,	218.1,	218.1,	0.0);	(437845.4,	3725202.8,	218.3,	220.0,	0.0);
(437841.0,	3725194.6,	218.6,	218.6,	0.0);	(437933.7,	3725155.9,	208.1,	220.0,	0.0);
(437929.3,	3725147.8,	207.5,	220.0,	0.0);	(437951.4,	3725146.6,	208.0,	208.0,	0.0);
(438061.6,	3725119.6,	208.0,	255.0,	0.0);	(438048.5,	3725095.0,	208.2,	255.0,	0.0);
(438088.1,	3725105.5,	208.8,	255.0,	0.0);	(438083.7,	3725097.3,	208.8,	255.0,	0.0);
(438079.4,	3725089.1,	208.9,	255.0,	0.0);	(438075.0,	3725080.9,	209.0,	255.0,	0.0);
(438070.7,	3725072.7,	209.0,	255.0,	0.0);	(438122.2,	3725163.9,	208.2,	252.0,	0.0);
(438123.1,	3725172.9,	207.9,	252.0,	0.0);	(438114.6,	3725091.4,	209.4,	255.0,	0.0);
(438110.2,	3725083.2,	209.4,	255.0,	0.0);	(438105.9,	3725075.1,	209.5,	255.0,	0.0);
(438101.5,	3725066.9,	209.7,	255.0,	0.0);	(438097.2,	3725058.7,	209.8,	255.0,	0.0);
(438147.8,	3725141.6,	209.6,	255.0,	0.0);	(438148.8,	3725150.8,	209.5,	252.0,	0.0);
(438149.8,	3725160.0,	209.2,	252.0,	0.0);	(438150.7,	3725169.1,	208.9,	252.0,	0.0);
(438176.1,	3725144.6,	210.0,	252.0,	0.0);	(438177.1,	3725153.7,	209.9,	252.0,	0.0);
(438178.0,	3725162.7,	209.8,	252.0,	0.0);	(438179.0,	3725171.8,	209.7,	252.0,	0.0);
(438183.8,	3725216.9,	209.9,	252.0,	0.0);	(438184.7,	3725226.0,	209.9,	252.0,	0.0);
(438221.5,	3725044.2,	212.1,	255.0,	0.0);	(438220.5,	3725035.2,	212.1,	255.0,	0.0);
(438216.2,	3725027.0,	212.0,	255.0,	0.0);	(438211.9,	3725018.8,	212.2,	255.0,	0.0);
(438207.5,	3725010.6,	212.5,	255.0,	0.0);	(438203.2,	3725002.4,	212.8,	255.0,	0.0);
(438250.9,	3725057.6,	212.9,	265.0,	0.0);	(438251.9,	3725066.7,	212.3,	265.0,	0.0);
(438252.8,	3725075.8,	211.8,	265.0,	0.0);	(438266.3,	3725203.5,	213.5,	265.0,	0.0);
(438267.2,	3725212.6,	213.7,	252.0,	0.0);	(438273.0,	3725267.3,	213.7,	227.0,	0.0);
(438274.0,	3725276.4,	213.5,	227.0,	0.0);	(438275.5,	3725025.5,	216.7,	255.0,	0.0);
(438276.5,	3725034.7,	215.6,	265.0,	0.0);	(438277.4,	3725043.9,	214.5,	265.0,	0.0);
(438278.4,	3725053.1,	213.4,	265.0,	0.0);	(438297.8,	3725237.2,	217.4,	225.0,	0.0);
(438298.8,	3725246.4,	217.2,	225.0,	0.0);	(438299.8,	3725255.6,	217.0,	225.0,	0.0);
(438300.7,	3725264.8,	216.9,	227.0,	0.0);	(438301.7,	3725274.1,	216.3,	227.0,	0.0);
(438302.0,	3725011.2,	220.5,	255.0,	0.0);	(438302.9,	3725020.3,	218.9,	265.0,	0.0);
(438303.9,	3725029.4,	217.4,	265.0,	0.0);	(438304.8,	3725038.5,	216.2,	265.0,	0.0);
(438310.6,	3725093.1,	213.0,	268.0,	0.0);	(438311.6,	3725102.2,	213.1,	268.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438312.5,	3725111.3,	213.2,	268.0,	0.0);	(438313.5,	3725120.4,	213.4,	268.0,	0.0);
(438314.4,	3725129.5,	213.8,	266.0,	0.0);	(438315.4,	3725138.6,	214.1,	266.0,	0.0);
(438326.9,	3725247.7,	219.8,	225.0,	0.0);	(438347.9,	3725093.1,	214.7,	268.0,	0.0);
(438348.9,	3725102.3,	215.0,	268.0,	0.0);	(438349.8,	3725111.4,	215.2,	268.0,	0.0);
(438350.8,	3725120.6,	215.5,	268.0,	0.0);	(438351.8,	3725129.7,	215.9,	268.0,	0.0);
(438352.7,	3725138.8,	216.2,	268.0,	0.0);	(438371.1,	3725312.6,	220.3,	234.0,	0.0);
(438372.0,	3725321.7,	218.8,	243.0,	0.0);	(438373.0,	3725330.9,	217.5,	265.0,	0.0);
(438374.0,	3725340.0,	216.4,	265.0,	0.0);	(438375.9,	3725358.3,	214.3,	265.0,	0.0);
(438383.3,	3725074.9,	217.1,	268.0,	0.0);	(438384.3,	3725084.1,	217.0,	268.0,	0.0);
(438385.2,	3725093.3,	217.0,	268.0,	0.0);	(438386.2,	3725102.5,	217.1,	268.0,	0.0);
(438387.2,	3725111.7,	217.2,	268.0,	0.0);	(438388.1,	3725120.8,	217.3,	268.0,	0.0);
(438389.1,	3725130.0,	217.5,	268.0,	0.0);	(438394.9,	3725185.1,	220.5,	266.0,	0.0);
(438395.9,	3725194.3,	221.1,	265.0,	0.0);	(438396.9,	3725203.5,	221.7,	265.0,	0.0);
(438397.8,	3725212.7,	222.8,	265.0,	0.0);	(438409.5,	3725322.9,	220.0,	265.0,	0.0);
(438410.4,	3725332.1,	218.8,	265.0,	0.0);	(438415.3,	3725378.1,	216.3,	265.0,	0.0);
(438416.2,	3725387.2,	216.1,	265.0,	0.0);	(438417.2,	3725396.4,	216.2,	265.0,	0.0);
(438418.2,	3725405.6,	216.2,	245.0,	0.0);	(438420.4,	3725072.8,	218.7,	268.0,	0.0);
(438421.3,	3725081.8,	218.7,	268.0,	0.0);	(438422.3,	3725090.9,	218.8,	268.0,	0.0);
(438423.3,	3725099.9,	218.8,	268.0,	0.0);	(438424.2,	3725109.0,	218.8,	268.0,	0.0);
(438425.2,	3725118.1,	218.9,	268.0,	0.0);	(438430.0,	3725163.4,	220.6,	268.0,	0.0);
(438430.9,	3725172.5,	220.9,	268.0,	0.0);	(438431.9,	3725181.6,	221.4,	268.0,	0.0);
(438432.8,	3725190.6,	222.1,	268.0,	0.0);	(438433.8,	3725199.7,	222.7,	268.0,	0.0);
(438434.7,	3725208.8,	223.4,	266.0,	0.0);	(438435.7,	3725217.8,	224.0,	265.0,	0.0);
(438436.6,	3725226.9,	224.6,	265.0,	0.0);	(438453.8,	3725390.1,	217.8,	265.0,	0.0);
(438454.8,	3725399.2,	217.8,	265.0,	0.0);	(438455.8,	3725408.2,	217.9,	265.0,	0.0);
(438456.7,	3725417.3,	217.9,	245.0,	0.0);	(438457.7,	3725426.4,	218.2,	245.0,	0.0);
(438458.6,	3725435.4,	218.6,	245.0,	0.0);	(438455.8,	3725054.6,	220.8,	268.0,	0.0);
(438456.8,	3725063.7,	220.8,	268.0,	0.0);	(438457.7,	3725072.8,	220.9,	268.0,	0.0);
(438458.7,	3725081.9,	220.9,	268.0,	0.0);	(438459.6,	3725091.0,	221.0,	268.0,	0.0);
(438460.6,	3725100.1,	221.1,	268.0,	0.0);	(438461.5,	3725109.2,	221.2,	268.0,	0.0);
(438467.3,	3725163.9,	221.9,	268.0,	0.0);	(438468.3,	3725173.0,	222.2,	268.0,	0.0);
(438469.2,	3725182.1,	222.5,	268.0,	0.0);	(438470.2,	3725191.2,	222.8,	268.0,	0.0);
(438471.1,	3725200.3,	223.1,	268.0,	0.0);	(438472.1,	3725209.4,	223.6,	268.0,	0.0);
(438476.9,	3725255.0,	230.9,	234.0,	0.0);	(438477.9,	3725264.1,	232.5,	234.0,	0.0);
(438478.8,	3725273.2,	232.6,	234.0,	0.0);	(438479.8,	3725282.3,	232.3,	232.3,	0.0);
(438480.8,	3725291.4,	232.0,	232.0,	0.0);	(438493.2,	3725409.8,	220.1,	265.0,	0.0);
(438494.2,	3725418.9,	220.3,	245.0,	0.0);	(438495.2,	3725428.0,	220.3,	245.0,	0.0);
(438492.1,	3725045.5,	225.2,	268.0,	0.0);	(438493.1,	3725054.7,	225.4,	268.0,	0.0);
(438494.1,	3725063.8,	225.2,	268.0,	0.0);	(438495.0,	3725073.0,	225.1,	268.0,	0.0);
(438496.0,	3725082.1,	225.0,	268.0,	0.0);	(438497.0,	3725091.3,	224.9,	268.0,	0.0);
(438497.9,	3725100.4,	224.9,	268.0,	0.0);	(438502.8,	3725146.1,	222.9,	268.0,	0.0);
(438503.7,	3725155.3,	223.1,	268.0,	0.0);	(438504.7,	3725164.4,	223.3,	268.0,	0.0);
(438505.6,	3725173.6,	223.5,	268.0,	0.0);	(438506.6,	3725182.7,	223.2,	268.0,	0.0);
(438507.6,	3725191.9,	222.8,	268.0,	0.0);	(438508.5,	3725201.0,	222.3,	275.0,	0.0);
(438514.3,	3725255.9,	230.9,	265.0,	0.0);	(438515.3,	3725265.0,	232.1,	265.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438516.2,	3725274.2,	232.7,	238.0,	0.0);	(	438517.2,	3725283.3,	233.2,	238.0,	0.0);
(	438518.2,	3725292.5,	233.7,	238.0,	0.0);	(	438519.1,	3725301.6,	233.6,	243.0,	0.0);
(	438527.5,	3725027.3,	229.1,	268.0,	0.0);	(	438528.5,	3725036.5,	229.2,	268.0,	0.0);
(	438529.5,	3725045.7,	229.3,	268.0,	0.0);	(	438530.4,	3725054.9,	229.4,	268.0,	0.0);
(	438531.4,	3725064.1,	229.5,	268.0,	0.0);	(	438532.4,	3725073.2,	229.5,	268.0,	0.0);
(	438533.3,	3725082.4,	229.4,	268.0,	0.0);	(	438534.3,	3725091.6,	229.0,	268.0,	0.0);
(	438539.1,	3725137.5,	225.4,	268.0,	0.0);	(	438540.1,	3725146.7,	224.7,	268.0,	0.0);
(	438541.1,	3725155.8,	224.2,	275.0,	0.0);	(	438542.0,	3725165.0,	223.8,	275.0,	0.0);
(	438543.0,	3725174.2,	223.3,	275.0,	0.0);	(	438544.0,	3725183.4,	223.3,	275.0,	0.0);
(	438545.0,	3725192.5,	223.5,	275.0,	0.0);	(	438549.8,	3725238.4,	226.4,	275.0,	0.0);
(	438550.8,	3725247.6,	228.0,	268.0,	0.0);	(	438551.7,	3725256.8,	229.5,	268.0,	0.0);
(	438552.7,	3725266.0,	231.1,	265.0,	0.0);	(	438553.7,	3725275.2,	233.2,	265.0,	0.0);
(	438554.6,	3725284.3,	235.4,	245.0,	0.0);	(	438555.6,	3725293.5,	237.6,	237.6,	0.0);
(	438561.4,	3725348.6,	232.7,	245.0,	0.0);	(	438564.9,	3725027.5,	234.5,	268.0,	0.0);
(	438565.8,	3725036.7,	234.7,	268.0,	0.0);	(	438566.8,	3725045.9,	234.9,	268.0,	0.0);
(	438567.8,	3725055.1,	235.0,	268.0,	0.0);	(	438568.7,	3725064.3,	234.6,	268.0,	0.0);
(	438569.7,	3725073.5,	234.0,	268.0,	0.0);	(	438575.5,	3725128.8,	228.6,	268.0,	0.0);
(	438576.5,	3725138.0,	227.2,	275.0,	0.0);	(	438577.5,	3725147.2,	225.8,	275.0,	0.0);
(	438578.5,	3725156.4,	224.9,	275.0,	0.0);	(	438579.4,	3725165.6,	224.0,	275.0,	0.0);
(	438580.4,	3725174.8,	223.2,	275.0,	0.0);	(	438581.4,	3725184.1,	223.3,	275.0,	0.0);
(	438586.2,	3725230.1,	226.4,	275.0,	0.0);	(	438587.2,	3725239.3,	227.5,	275.0,	0.0);
(	438588.2,	3725248.5,	229.1,	275.0,	0.0);	(	438589.1,	3725257.7,	230.6,	275.0,	0.0);
(	438590.1,	3725266.9,	232.2,	268.0,	0.0);	(	438591.1,	3725276.1,	234.3,	265.0,	0.0);
(	438592.0,	3725285.4,	236.5,	265.0,	0.0);	(	438596.9,	3725331.4,	240.3,	245.0,	0.0);
(	438597.9,	3725340.6,	239.4,	245.0,	0.0);	(	438598.8,	3725349.8,	238.6,	245.0,	0.0);
(	438599.8,	3725359.0,	237.3,	245.0,	0.0);	(	438604.7,	3725405.1,	227.9,	275.0,	0.0);
(	438605.6,	3725414.3,	226.2,	275.0,	0.0);	(	438606.6,	3725423.5,	225.7,	275.0,	0.0);
(	438607.6,	3725432.7,	225.4,	275.0,	0.0);	(	438608.5,	3725441.9,	225.1,	275.0,	0.0);
(	438604.8,	3725052.6,	242.6,	268.0,	0.0);	(	438605.8,	3725061.7,	241.9,	268.0,	0.0);
(	438606.7,	3725070.8,	240.1,	268.0,	0.0);	(	438611.5,	3725116.4,	233.1,	268.0,	0.0);
(	438612.5,	3725125.5,	232.0,	268.0,	0.0);	(	438613.5,	3725134.6,	230.9,	275.0,	0.0);
(	438614.4,	3725143.8,	229.8,	275.0,	0.0);	(	438615.4,	3725152.9,	228.5,	275.0,	0.0);
(	438616.3,	3725162.0,	227.2,	275.0,	0.0);	(	438623.1,	3725225.8,	226.0,	275.0,	0.0);
(	438624.0,	3725234.9,	226.9,	275.0,	0.0);	(	438625.0,	3725244.0,	228.2,	275.0,	0.0);
(	438626.0,	3725253.1,	229.5,	275.0,	0.0);	(	438626.9,	3725262.2,	230.9,	275.0,	0.0);
(	438627.9,	3725271.4,	232.7,	275.0,	0.0);	(	438633.6,	3725326.0,	244.6,	244.6,	0.0);
(	438634.6,	3725335.2,	244.3,	244.3,	0.0);	(	438635.6,	3725344.3,	244.0,	244.0,	0.0);
(	438636.5,	3725353.4,	243.7,	243.7,	0.0);	(	438641.3,	3725399.0,	234.2,	245.0,	0.0);
(	438642.3,	3725408.1,	231.6,	275.0,	0.0);	(	438643.2,	3725417.2,	229.2,	275.0,	0.0);
(	438644.2,	3725426.3,	227.9,	276.0,	0.0);	(	438645.2,	3725435.4,	226.6,	289.0,	0.0);
(	438646.1,	3725444.5,	225.2,	289.0,	0.0);	(	438646.0,	3725089.4,	239.9,	268.0,	0.0);
(	438647.0,	3725098.6,	238.5,	268.0,	0.0);	(	438647.9,	3725107.7,	237.2,	268.0,	0.0);
(	438648.9,	3725116.9,	235.9,	268.0,	0.0);	(	438649.9,	3725126.0,	235.2,	268.0,	0.0);
(	438650.8,	3725135.2,	234.5,	275.0,	0.0);	(	438651.8,	3725144.3,	233.8,	275.0,	0.0);
(	438652.8,	3725153.4,	232.9,	275.0,	0.0);	(	438653.7,	3725162.6,	231.9,	275.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438658.5,	3725208.3,	225.4,	276.0,	0.0);	(	438659.5,	3725217.5,	226.0,	275.0,	0.0);
(	438660.5,	3725226.6,	226.5,	275.0,	0.0);	(	438661.4,	3725235.8,	227.0,	275.0,	0.0);
(	438662.4,	3725244.9,	228.2,	275.0,	0.0);	(	438663.4,	3725254.0,	229.4,	275.0,	0.0);
(	438664.3,	3725263.2,	230.6,	275.0,	0.0);	(	438670.1,	3725318.1,	242.4,	244.0,	0.0);
(	438671.1,	3725327.2,	244.0,	244.0,	0.0);	(	438672.0,	3725336.3,	244.3,	244.3,	0.0);
(	438673.0,	3725345.5,	244.6,	244.6,	0.0);	(	438674.0,	3725354.6,	244.9,	244.9,	0.0);
(	438674.9,	3725363.8,	243.5,	245.0,	0.0);	(	438679.8,	3725409.5,	233.8,	275.0,	0.0);
(	438680.7,	3725418.6,	231.8,	276.0,	0.0);	(	438681.7,	3725427.8,	229.8,	289.0,	0.0);
(	438682.6,	3725436.9,	227.9,	289.0,	0.0);	(	438683.6,	3725446.1,	225.9,	289.0,	0.0);
(	438684.6,	3725455.2,	225.4,	289.0,	0.0);	(	438688.4,	3725491.8,	223.8,	289.0,	0.0);
(	438689.4,	3725500.9,	223.7,	289.0,	0.0);	(	438690.4,	3725510.1,	223.7,	289.0,	0.0);
(	438687.2,	3725126.5,	240.4,	268.0,	0.0);	(	438688.2,	3725135.7,	239.6,	268.0,	0.0);
(	438689.2,	3725144.9,	238.7,	275.0,	0.0);	(	438690.1,	3725154.1,	237.8,	275.0,	0.0);
(	438691.1,	3725163.2,	236.7,	275.0,	0.0);	(	438692.1,	3725172.4,	235.7,	275.0,	0.0);
(	438693.0,	3725181.6,	234.2,	275.0,	0.0);	(	438694.0,	3725190.8,	232.4,	275.0,	0.0);
(	438695.0,	3725199.9,	230.7,	275.0,	0.0);	(	438695.9,	3725209.1,	229.5,	275.0,	0.0);
(	438696.9,	3725218.3,	229.7,	275.0,	0.0);	(	438697.9,	3725227.4,	229.8,	275.0,	0.0);
(	438698.8,	3725236.6,	229.9,	276.0,	0.0);	(	438699.8,	3725245.8,	230.3,	276.0,	0.0);
(	438700.8,	3725255.0,	230.7,	276.0,	0.0);	(	438705.6,	3725300.8,	237.0,	275.0,	0.0);
(	438706.6,	3725310.0,	238.8,	275.0,	0.0);	(	438707.5,	3725319.2,	240.6,	275.0,	0.0);
(	438708.5,	3725328.3,	242.0,	275.0,	0.0);	(	438709.5,	3725337.5,	242.6,	245.0,	0.0);
(	438710.4,	3725346.7,	243.2,	245.0,	0.0);	(	438711.4,	3725355.9,	243.8,	245.0,	0.0);
(	438712.4,	3725365.0,	242.2,	245.0,	0.0);	(	438717.2,	3725410.9,	233.9,	289.0,	0.0);
(	438718.2,	3725420.1,	232.3,	289.0,	0.0);	(	438719.1,	3725429.2,	230.7,	289.0,	0.0);
(	438720.1,	3725438.4,	229.0,	289.0,	0.0);	(	438721.1,	3725447.6,	227.6,	289.0,	0.0);
(	438722.0,	3725456.8,	226.7,	289.0,	0.0);	(	438723.0,	3725465.9,	225.8,	289.0,	0.0);
(	438724.0,	3725475.1,	224.9,	289.0,	0.0);	(	438725.0,	3725484.3,	224.8,	289.0,	0.0);
(	438725.9,	3725493.5,	224.9,	289.0,	0.0);	(	438726.9,	3725502.6,	224.9,	289.0,	0.0);
(	438727.8,	3725511.8,	224.9,	289.0,	0.0);	(	437709.7,	3725187.7,	214.6,	214.6,	0.0);
(	437702.0,	3725182.4,	214.5,	214.5,	0.0);	(	437715.4,	3725179.5,	215.3,	215.3,	0.0);
(	437707.6,	3725174.1,	214.9,	214.9,	0.0);	(	437721.1,	3725171.2,	215.6,	215.6,	0.0);
(	437713.3,	3725165.9,	215.1,	215.1,	0.0);	(	437726.7,	3725163.0,	215.4,	215.4,	0.0);
(	437719.0,	3725157.6,	215.1,	215.1,	0.0);	(	437732.4,	3725154.7,	214.9,	214.9,	0.0);
(	437724.6,	3725149.4,	214.7,	214.7,	0.0);	(	437797.9,	3725190.0,	219.9,	219.9,	0.0);
(	437738.0,	3725146.5,	214.1,	218.0,	0.0);	(	437730.3,	3725141.2,	214.1,	214.1,	0.0);
(	437803.1,	3725181.3,	220.0,	220.0,	0.0);	(	437813.2,	3725192.6,	220.0,	220.0,	0.0);
(	437790.2,	3725170.2,	219.2,	219.2,	0.0);	(	437782.5,	3725164.9,	218.7,	218.7,	0.0);
(	437774.7,	3725159.6,	218.2,	218.2,	0.0);	(	437767.0,	3725154.2,	217.7,	217.7,	0.0);
(	437759.2,	3725148.9,	216.7,	218.0,	0.0);	(	437751.5,	3725143.6,	215.5,	218.0,	0.0);
(	437743.7,	3725138.3,	214.4,	218.0,	0.0);	(	437736.0,	3725132.9,	213.9,	218.0,	0.0);
(	437809.4,	3725173.7,	219.8,	219.8,	0.0);	(	437820.8,	3725186.5,	220.0,	220.0,	0.0);
(	437795.9,	3725162.0,	219.3,	219.3,	0.0);	(	437788.2,	3725156.7,	218.8,	218.8,	0.0);
(	437780.4,	3725151.3,	218.4,	218.4,	0.0);	(	437772.6,	3725146.0,	218.1,	218.1,	0.0);
(	437764.9,	3725140.7,	216.9,	218.0,	0.0);	(	437757.1,	3725135.3,	215.7,	218.0,	0.0);
(	437749.4,	3725130.0,	214.8,	218.0,	0.0);	(	437741.6,	3725124.7,	214.1,	218.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437814.6,	3725165.0,	219.1,	219.1,	0.0);	(437825.2,	3725176.9,	220.0,	220.0,	0.0);
(437801.6,	3725153.8,	219.1,	219.1,	0.0);	(437793.8,	3725148.4,	218.9,	218.9,	0.0);
(437786.1,	3725143.1,	218.2,	218.2,	0.0);	(437778.3,	3725137.8,	217.4,	217.4,	0.0);
(437770.6,	3725132.4,	216.7,	216.7,	0.0);	(437762.8,	3725127.1,	215.6,	218.0,	0.0);
(437755.0,	3725121.8,	214.8,	218.0,	0.0);	(437747.3,	3725116.4,	214.3,	218.0,	0.0);
(437837.0,	3725160.9,	216.9,	220.0,	0.0);	(437811.7,	3725039.4,	205.8,	220.0,	0.0);
(437803.9,	3725034.0,	205.9,	219.0,	0.0);	(437883.1,	3725066.7,	205.1,	250.0,	0.0);
(437894.7,	3725079.8,	205.0,	250.0,	0.0);	(437906.3,	3725092.8,	205.2,	250.0,	0.0);
(437918.0,	3725105.8,	205.7,	250.0,	0.0);	(437869.6,	3725054.9,	205.0,	250.0,	0.0);
(437861.8,	3725049.5,	204.8,	220.0,	0.0);	(437854.0,	3725044.2,	204.8,	220.0,	0.0);
(437846.3,	3725038.9,	204.9,	220.0,	0.0);	(437838.5,	3725033.5,	205.0,	220.0,	0.0);
(437830.8,	3725028.2,	205.0,	220.0,	0.0);	(437823.0,	3725022.9,	205.1,	219.0,	0.0);
(437815.3,	3725017.6,	205.1,	219.0,	0.0);	(437894.5,	3725050.3,	204.8,	255.0,	0.0);
(437906.2,	3725063.4,	205.0,	255.0,	0.0);	(437917.9,	3725076.5,	205.0,	255.0,	0.0);
(437929.6,	3725089.6,	205.5,	255.0,	0.0);	(437941.3,	3725102.8,	206.3,	252.0,	0.0);
(437880.9,	3725038.4,	204.4,	255.0,	0.0);	(437873.1,	3725033.1,	204.2,	255.0,	0.0);
(437865.4,	3725027.7,	204.1,	255.0,	0.0);	(437857.6,	3725022.4,	204.1,	255.0,	0.0);
(437849.9,	3725017.1,	204.2,	255.0,	0.0);	(437842.1,	3725011.7,	204.3,	255.0,	0.0);
(437834.4,	3725006.4,	204.3,	255.0,	0.0);	(437826.6,	3725001.1,	204.2,	255.0,	0.0);
(437905.9,	3725033.8,	204.7,	255.0,	0.0);	(437917.6,	3725047.0,	205.0,	255.0,	0.0);
(437929.4,	3725060.2,	205.3,	255.0,	0.0);	(437941.2,	3725073.4,	205.7,	255.0,	0.0);
(437952.9,	3725086.6,	206.1,	255.0,	0.0);	(437964.7,	3725099.8,	206.7,	255.0,	0.0);
(437892.2,	3725021.9,	204.1,	255.0,	0.0);	(437884.5,	3725016.6,	204.0,	255.0,	0.0);
(437876.7,	3725011.2,	204.0,	255.0,	0.0);	(437869.0,	3725005.9,	204.0,	255.0,	0.0);
(437861.2,	3725000.6,	204.0,	255.0,	0.0);	(437853.4,	3724995.3,	204.0,	255.0,	0.0);
(437845.7,	3724989.9,	204.0,	255.0,	0.0);	(437837.9,	3724984.6,	204.0,	255.0,	0.0);
(437917.2,	3725017.4,	204.9,	255.0,	0.0);	(437929.0,	3725030.7,	205.3,	255.0,	0.0);
(437940.9,	3725043.9,	205.7,	255.0,	0.0);	(437952.7,	3725057.2,	206.1,	255.0,	0.0);
(437964.5,	3725070.4,	206.5,	255.0,	0.0);	(437976.3,	3725083.7,	206.9,	255.0,	0.0);
(437988.2,	3725097.0,	207.2,	255.0,	0.0);	(437903.5,	3725005.4,	204.5,	255.0,	0.0);
(437895.8,	3725000.1,	204.2,	255.0,	0.0);	(437888.0,	3724994.8,	204.0,	255.0,	0.0);
(437880.3,	3724989.4,	204.0,	255.0,	0.0);	(437872.5,	3724984.1,	204.0,	255.0,	0.0);
(437864.8,	3724978.8,	204.0,	255.0,	0.0);	(437857.0,	3724973.4,	204.0,	255.0,	0.0);
(437849.3,	3724968.1,	204.0,	255.0,	0.0);	(437928.6,	3725000.9,	205.3,	255.0,	0.0);
(437940.5,	3725014.3,	205.7,	255.0,	0.0);	(437946.4,	3725020.9,	205.9,	255.0,	0.0);
(437970.1,	3725047.6,	206.7,	255.0,	0.0);	(437982.0,	3725060.9,	207.1,	255.0,	0.0);
(437993.9,	3725074.2,	207.5,	255.0,	0.0);	(437914.9,	3724988.9,	204.8,	255.0,	0.0);
(437907.1,	3724983.6,	204.6,	255.0,	0.0);	(437899.4,	3724978.3,	204.3,	255.0,	0.0);
(437891.6,	3724973.0,	204.1,	255.0,	0.0);	(437883.9,	3724967.6,	204.0,	255.0,	0.0);
(437876.1,	3724962.3,	204.0,	255.0,	0.0);	(437868.3,	3724957.0,	204.0,	255.0,	0.0);
(437860.6,	3724951.6,	204.0,	255.0,	0.0);	(437945.8,	3724976.5,	205.3,	255.0,	0.0);
(437951.9,	3724983.3,	205.6,	255.0,	0.0);	(437976.5,	3725010.9,	206.4,	255.0,	0.0);
(437982.7,	3725017.8,	206.8,	255.0,	0.0);	(437988.8,	3725024.7,	207.0,	255.0,	0.0);
(437995.0,	3725031.6,	207.1,	255.0,	0.0);	(438001.1,	3725038.5,	207.3,	255.0,	0.0);
(438007.3,	3725045.4,	207.6,	255.0,	0.0);	(438013.4,	3725052.3,	207.9,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437939.6,	3724969.6,	205.1,	255.0,	0.0);	(437931.9,	3724964.2,	205.0,	255.0,	0.0);
(	437924.1,	3724958.9,	205.0,	255.0,	0.0);	(437916.4,	3724953.6,	204.9,	255.0,	0.0);
(	437908.6,	3724948.2,	204.6,	255.0,	0.0);	(437900.8,	3724942.9,	204.4,	255.0,	0.0);
(	437893.1,	3724937.6,	204.1,	255.0,	0.0);	(437885.3,	3724932.2,	204.0,	255.0,	0.0);
(	437877.6,	3724926.9,	204.0,	255.0,	0.0);	(437974.6,	3724965.0,	205.8,	255.0,	0.0);
(	437980.6,	3724971.8,	206.0,	255.0,	0.0);	(437986.6,	3724978.5,	206.2,	255.0,	0.0);
(	437992.6,	3724985.2,	206.4,	255.0,	0.0);	(437998.6,	3724992.0,	206.6,	255.0,	0.0);
(	438004.6,	3724998.7,	206.9,	255.0,	0.0);	(438010.6,	3725005.4,	207.0,	255.0,	0.0);
(	438016.6,	3725012.2,	207.2,	255.0,	0.0);	(438022.6,	3725018.9,	207.4,	255.0,	0.0);
(	438034.7,	3725032.3,	207.9,	255.0,	0.0);	(437933.4,	3724928.8,	205.1,	255.0,	0.0);
(	437925.6,	3724923.5,	205.1,	255.0,	0.0);	(437917.8,	3724918.2,	204.9,	255.0,	0.0);
(	437910.1,	3724912.8,	204.7,	255.0,	0.0);	(437902.3,	3724907.5,	204.4,	255.0,	0.0);
(	437894.6,	3724902.2,	204.3,	255.0,	0.0);	(437979.8,	3724927.0,	205.6,	255.0,	0.0);
(	437986.0,	3724934.0,	205.4,	255.0,	0.0);	(437992.1,	3724940.9,	205.6,	255.0,	0.0);
(	437998.3,	3724947.8,	206.0,	255.0,	0.0);	(438004.5,	3724954.8,	206.5,	255.0,	0.0);
(	438010.7,	3724961.7,	206.9,	255.0,	0.0);	(438016.9,	3724968.6,	207.2,	255.0,	0.0);
(	438023.0,	3724975.5,	207.5,	255.0,	0.0);	(438029.2,	3724982.5,	207.7,	255.0,	0.0);
(	438035.4,	3724989.4,	207.9,	255.0,	0.0);	(438041.6,	3724996.3,	208.2,	255.0,	0.0);
(	438047.8,	3725003.3,	208.8,	255.0,	0.0);	(438053.9,	3725010.2,	209.2,	255.0,	0.0);
(	438091.0,	3725051.8,	209.9,	255.0,	0.0);	(437973.6,	3724920.1,	206.0,	255.0,	0.0);
(	437965.9,	3724914.8,	206.1,	255.0,	0.0);	(437934.8,	3724893.5,	205.9,	255.0,	0.0);
(	437927.1,	3724888.1,	205.9,	255.0,	0.0);	(437919.3,	3724882.8,	205.8,	255.0,	0.0);
(	437911.6,	3724877.5,	205.7,	255.0,	0.0);	(437996.7,	3724902.2,	209.6,	255.0,	0.0);
(	438002.7,	3724909.0,	209.7,	255.0,	0.0);	(438008.8,	3724915.7,	209.3,	255.0,	0.0);
(	438014.8,	3724922.5,	209.2,	255.0,	0.0);	(438020.8,	3724929.3,	209.3,	255.0,	0.0);
(	438026.9,	3724936.1,	209.5,	255.0,	0.0);	(438033.0,	3724942.9,	210.0,	255.0,	0.0);
(	438039.0,	3724949.7,	210.1,	255.0,	0.0);	(438045.0,	3724956.4,	210.3,	255.0,	0.0);
(	438051.1,	3724963.2,	210.3,	255.0,	0.0);	(438057.1,	3724970.0,	210.8,	255.0,	0.0);
(	438063.2,	3724976.8,	211.4,	255.0,	0.0);	(438069.2,	3724983.6,	211.8,	255.0,	0.0);
(	438075.3,	3724990.4,	211.6,	255.0,	0.0);	(438032.4,	3724898.5,	215.0,	255.0,	0.0);
(	438038.6,	3724905.4,	215.8,	255.0,	0.0);	(438044.8,	3724912.4,	215.9,	255.0,	0.0);
(	438051.0,	3724919.3,	216.1,	255.0,	0.0);	(438057.2,	3724926.3,	216.5,	255.0,	0.0);
(	438063.4,	3724933.2,	217.0,	255.0,	0.0);	(438069.6,	3724940.2,	217.3,	255.0,	0.0);
(	438075.8,	3724947.1,	216.6,	255.0,	0.0);	(438082.0,	3724954.1,	215.8,	255.0,	0.0);
(	438088.2,	3724961.0,	215.1,	255.0,	0.0);	(438094.4,	3724968.0,	214.5,	255.0,	0.0);
(	437992.1,	3724860.0,	210.4,	255.0,	0.0);	(437984.3,	3724854.7,	209.3,	255.0,	0.0);
(	437976.6,	3724849.3,	208.8,	255.0,	0.0);	(437968.8,	3724844.0,	208.7,	255.0,	0.0);
(	437961.1,	3724838.7,	208.3,	255.0,	0.0);	(437953.3,	3724833.4,	207.8,	255.0,	0.0);
(	437945.6,	3724828.0,	207.2,	255.0,	0.0);	(438030.7,	3724852.8,	213.9,	255.0,	0.0);
(	438036.8,	3724859.6,	214.7,	255.0,	0.0);	(438067.2,	3724893.7,	219.3,	255.0,	0.0);
(	438073.3,	3724900.5,	220.0,	255.0,	0.0);	(438079.3,	3724907.3,	220.6,	255.0,	0.0);
(	438085.4,	3724914.2,	220.5,	255.0,	0.0);	(438091.5,	3724921.0,	220.5,	255.0,	0.0);
(	438097.6,	3724927.8,	220.4,	255.0,	0.0);	(438103.7,	3724934.6,	220.8,	255.0,	0.0);
(	438024.6,	3724845.9,	213.0,	255.0,	0.0);	(438016.8,	3724840.6,	212.5,	255.0,	0.0);
(	438009.1,	3724835.3,	212.0,	255.0,	0.0);	(438001.3,	3724830.0,	211.3,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437993.6,	3724824.6,	210.8,	255.0,	0.0);	(437985.8,	3724819.3,	210.3,	255.0,	0.0);
(	437978.1,	3724814.0,	209.9,	255.0,	0.0);	(437970.3,	3724808.6,	209.2,	255.0,	0.0);
(	437962.6,	3724803.3,	208.5,	255.0,	0.0);	(438190.8,	3724988.5,	214.8,	255.0,	0.0);
(	438197.0,	3724995.5,	213.2,	255.0,	0.0);	(438018.3,	3724805.2,	212.5,	255.0,	0.0);
(	438010.6,	3724799.9,	212.1,	255.0,	0.0);	(438002.8,	3724794.6,	211.6,	255.0,	0.0);
(	437995.1,	3724789.2,	211.0,	255.0,	0.0);	(437987.3,	3724783.9,	210.6,	255.0,	0.0);
(	437979.6,	3724778.6,	210.5,	255.0,	0.0);	(438107.5,	3724851.3,	219.7,	255.0,	0.0);
(	438113.6,	3724858.2,	220.3,	255.0,	0.0);	(438119.7,	3724865.0,	221.0,	255.0,	0.0);
(	438125.8,	3724871.9,	221.6,	255.0,	0.0);	(438131.9,	3724878.7,	222.4,	255.0,	0.0);
(	438138.0,	3724885.6,	223.4,	255.0,	0.0);	(438144.1,	3724892.4,	224.3,	255.0,	0.0);
(	438150.2,	3724899.3,	225.1,	255.0,	0.0);	(438156.3,	3724906.1,	225.8,	255.0,	0.0);
(	438162.5,	3724913.0,	226.4,	255.0,	0.0);	(438168.6,	3724919.8,	226.8,	255.0,	0.0);
(	438081.8,	3724778.8,	217.5,	255.0,	0.0);	(438088.0,	3724785.8,	217.9,	255.0,	0.0);
(	438094.3,	3724792.7,	218.7,	255.0,	0.0);	(438100.5,	3724799.7,	219.6,	255.0,	0.0);
(	438106.7,	3724806.7,	220.3,	255.0,	0.0);	(438113.0,	3724813.7,	220.9,	255.0,	0.0);
(	438119.2,	3724820.7,	221.2,	255.0,	0.0);	(438125.4,	3724827.6,	221.3,	255.0,	0.0);
(	438131.6,	3724834.6,	221.6,	255.0,	0.0);	(438137.9,	3724841.6,	222.0,	255.0,	0.0);
(	438144.1,	3724848.6,	222.5,	255.0,	0.0);	(438150.3,	3724855.6,	223.4,	255.0,	0.0);
(	438156.5,	3724862.6,	224.2,	255.0,	0.0);	(438162.8,	3724869.5,	225.2,	255.0,	0.0);
(	438169.0,	3724876.5,	226.3,	255.0,	0.0);	(438175.2,	3724883.5,	227.2,	255.0,	0.0);
(	438181.5,	3724890.5,	228.0,	255.0,	0.0);	(438075.6,	3724771.8,	217.1,	255.0,	0.0);
(	438067.8,	3724766.5,	216.4,	255.0,	0.0);	(438060.1,	3724761.1,	215.6,	255.0,	0.0);
(	438052.3,	3724755.8,	214.7,	255.0,	0.0);	(438044.6,	3724750.5,	214.6,	255.0,	0.0);
(	438036.8,	3724745.1,	214.7,	255.0,	0.0);	(438029.1,	3724739.8,	215.2,	255.0,	0.0);
(	438021.3,	3724734.5,	215.6,	255.0,	0.0);	(438013.5,	3724729.1,	215.9,	255.0,	0.0);
(	438098.7,	3724753.9,	220.2,	255.0,	0.0);	(438104.8,	3724760.8,	220.5,	255.0,	0.0);
(	438111.0,	3724767.7,	221.1,	255.0,	0.0);	(438117.1,	3724774.6,	221.7,	255.0,	0.0);
(	438123.2,	3724781.4,	222.3,	255.0,	0.0);	(438129.4,	3724788.3,	222.9,	255.0,	0.0);
(	438135.5,	3724795.2,	223.4,	255.0,	0.0);	(438141.6,	3724802.1,	223.9,	255.0,	0.0);
(	438147.8,	3724808.9,	224.5,	255.0,	0.0);	(438153.9,	3724815.8,	225.2,	255.0,	0.0);
(	438160.0,	3724822.7,	225.6,	255.0,	0.0);	(438166.2,	3724829.6,	226.0,	255.0,	0.0);
(	438172.3,	3724836.5,	226.5,	255.0,	0.0);	(438178.4,	3724843.3,	227.2,	255.0,	0.0);
(	438092.6,	3724747.1,	220.5,	255.0,	0.0);	(438084.8,	3724741.7,	220.4,	255.0,	0.0);
(	438077.1,	3724736.4,	220.4,	255.0,	0.0);	(438069.3,	3724731.1,	220.3,	255.0,	0.0);
(	438061.6,	3724725.7,	220.2,	255.0,	0.0);	(438053.8,	3724720.4,	220.1,	255.0,	0.0);
(	438046.0,	3724715.1,	220.0,	255.0,	0.0);	(438038.3,	3724709.8,	220.1,	255.0,	0.0);
(	438030.5,	3724704.4,	220.5,	255.0,	0.0);	(438133.7,	3724734.8,	227.4,	255.0,	0.0);
(	438139.8,	3724741.7,	227.5,	255.0,	0.0);	(438146.0,	3724748.6,	227.6,	255.0,	0.0);
(	438152.1,	3724755.4,	227.8,	255.0,	0.0);	(438061.0,	3724676.8,	225.8,	255.0,	0.0);
(	438053.2,	3724671.4,	225.7,	255.0,	0.0);	(437653.6,	3725159.9,	213.3,	213.3,	0.0);
(	437639.3,	3725149.6,	212.0,	214.0,	0.0);	(437688.0,	3725172.3,	214.4,	214.4,	0.0);
(	437673.7,	3725162.1,	214.2,	214.2,	0.0);	(437659.4,	3725151.8,	214.0,	214.0,	0.0);
(	437645.1,	3725141.5,	213.5,	213.5,	0.0);	(437693.8,	3725164.2,	214.7,	214.7,	0.0);
(	437679.5,	3725153.9,	214.7,	214.7,	0.0);	(437665.2,	3725143.7,	214.5,	214.5,	0.0);
(	437650.9,	3725133.4,	214.4,	214.4,	0.0);	(437699.7,	3725156.1,	214.9,	214.9,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437685.4,	3725145.8,	215.0,	215.0,	0.0);	(437671.1,	3725135.5,	214.3,	214.3,	0.0);
(437656.8,	3725125.3,	214.4,	214.4,	0.0);	(437705.5,	3725148.0,	215.0,	215.0,	0.0);
(437691.2,	3725137.7,	214.2,	214.2,	0.0);	(437676.9,	3725127.4,	213.8,	213.8,	0.0);
(437662.6,	3725117.1,	214.1,	214.1,	0.0);	(437711.3,	3725139.8,	214.2,	215.0,	0.0);
(437697.0,	3725129.6,	213.3,	213.3,	0.0);	(437682.7,	3725119.3,	213.0,	213.0,	0.0);
(437668.4,	3725109.0,	212.0,	215.0,	0.0);	(437717.2,	3725131.7,	213.3,	215.0,	0.0);
(437702.9,	3725121.4,	212.1,	215.0,	0.0);	(437688.6,	3725111.2,	211.5,	213.0,	0.0);
(437674.3,	3725100.9,	209.7,	215.0,	0.0);	(437723.0,	3725123.6,	212.9,	212.9,	0.0);
(437708.7,	3725113.3,	210.9,	218.0,	0.0);	(437694.4,	3725103.1,	210.0,	215.0,	0.0);
(437680.1,	3725092.8,	207.6,	215.0,	0.0);	(437728.8,	3725115.5,	212.9,	218.0,	0.0);
(437714.5,	3725105.2,	210.8,	218.0,	0.0);	(437700.2,	3725094.9,	209.1,	218.0,	0.0);
(437685.9,	3725084.7,	206.6,	218.0,	0.0);	(437734.7,	3725107.4,	212.9,	214.0,	0.0);
(437720.4,	3725097.1,	210.8,	218.0,	0.0);	(437706.1,	3725086.8,	208.7,	218.0,	0.0);
(437691.8,	3725076.5,	206.8,	218.0,	0.0);	(437793.0,	3725026.1,	206.0,	219.0,	0.0);
(437778.7,	3725015.9,	205.1,	219.0,	0.0);	(437764.4,	3725005.6,	203.9,	219.0,	0.0);
(437750.1,	3724995.3,	203.0,	219.0,	0.0);	(437804.7,	3725009.9,	204.8,	219.0,	0.0);
(437790.4,	3724999.6,	204.0,	219.0,	0.0);	(437776.1,	3724989.3,	203.2,	203.2,	0.0);
(437761.8,	3724979.1,	203.0,	203.0,	0.0);	(437816.3,	3724993.6,	204.0,	255.0,	0.0);
(437787.7,	3724973.1,	203.1,	255.0,	0.0);	(437773.4,	3724962.8,	203.0,	255.0,	0.0);
(437813.7,	3724967.1,	203.5,	255.0,	0.0);	(437839.7,	3724961.2,	203.9,	255.0,	0.0);
(437825.4,	3724950.9,	203.4,	255.0,	0.0);	(437811.1,	3724940.6,	203.1,	255.0,	0.0);
(437796.8,	3724930.3,	203.0,	255.0,	0.0);	(437851.3,	3724944.9,	203.8,	255.0,	0.0);
(437837.0,	3724934.6,	203.2,	255.0,	0.0);	(437822.7,	3724924.4,	203.0,	255.0,	0.0);
(437808.4,	3724914.1,	203.0,	255.0,	0.0);	(437868.8,	3724920.5,	204.0,	255.0,	0.0);
(437854.5,	3724910.3,	203.8,	255.0,	0.0);	(437840.2,	3724900.0,	203.4,	255.0,	0.0);
(437825.9,	3724889.7,	203.0,	255.0,	0.0);	(437886.3,	3724896.2,	204.3,	255.0,	0.0);
(437872.0,	3724885.9,	204.3,	255.0,	0.0);	(437857.7,	3724875.6,	203.9,	255.0,	0.0);
(437843.4,	3724865.4,	203.5,	255.0,	0.0);	(437899.9,	3724832.0,	205.3,	255.0,	0.0);
(437885.6,	3724821.8,	204.8,	255.0,	0.0);	(437931.7,	3724817.9,	206.4,	255.0,	0.0);
(437917.4,	3724807.7,	206.2,	255.0,	0.0);	(437903.1,	3724797.4,	205.7,	255.0,	0.0);
(437949.2,	3724793.6,	207.7,	255.0,	0.0);	(437934.9,	3724783.3,	207.6,	255.0,	0.0);
(437920.6,	3724773.0,	207.1,	255.0,	0.0);	(437966.7,	3724769.2,	210.0,	255.0,	0.0);
(437952.4,	3724758.9,	209.2,	255.0,	0.0);	(437938.1,	3724748.7,	208.8,	255.0,	0.0);
(437955.6,	3724724.3,	213.0,	255.0,	0.0);	(438019.2,	3724696.1,	221.3,	255.0,	0.0);
(438004.9,	3724685.8,	223.4,	255.0,	0.0);	(438042.5,	3724663.6,	226.2,	255.0,	0.0);
(437619.6,	3725132.9,	210.8,	215.0,	0.0);	(437615.0,	3725124.6,	211.0,	215.0,	0.0);
(437607.8,	3725117.3,	210.1,	215.0,	0.0);	(437623.1,	3725111.0,	212.6,	212.6,	0.0);
(437638.7,	3725110.2,	213.1,	215.0,	0.0);	(437600.8,	3725110.0,	208.5,	215.0,	0.0);
(437615.5,	3725103.9,	211.1,	215.0,	0.0);	(437637.9,	3725100.1,	211.0,	215.0,	0.0);
(437593.9,	3725102.6,	207.2,	215.0,	0.0);	(437608.2,	3725096.7,	209.4,	215.0,	0.0);
(437622.5,	3725090.8,	210.2,	215.0,	0.0);	(437637.1,	3725090.0,	209.0,	215.0,	0.0);
(437588.3,	3725094.7,	206.6,	215.0,	0.0);	(437604.6,	3725088.0,	208.6,	215.0,	0.0);
(437621.0,	3725081.2,	209.2,	215.0,	0.0);	(437637.7,	3725080.4,	207.7,	215.0,	0.0);
(437654.6,	3725085.3,	206.8,	215.0,	0.0);	(437581.3,	3725087.4,	206.4,	215.0,	0.0);
(437597.1,	3725080.9,	207.3,	215.0,	0.0);	(437612.9,	3725074.4,	207.9,	215.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437636.8,	3725070.3,	206.8,	215.0,	0.0);	(437669.6,	3725079.9,	206.1,	215.0,	0.0);
(	437566.8,	3725096.6,	205.1,	215.0,	0.0);	(437540.0,	3725120.5,	202.6,	215.0,	0.0);
(	437526.7,	3725132.5,	201.3,	215.0,	0.0);	(437574.5,	3725080.0,	205.6,	215.0,	0.0);
(	437589.8,	3725073.7,	206.2,	215.0,	0.0);	(437605.1,	3725067.4,	206.7,	215.0,	0.0);
(	437560.1,	3725089.2,	204.9,	215.0,	0.0);	(437533.4,	3725113.1,	202.4,	215.0,	0.0);
(	437520.0,	3725125.0,	201.2,	215.0,	0.0);	(437561.6,	3725064.9,	203.7,	215.0,	0.0);
(	437578.0,	3725058.2,	204.4,	215.0,	0.0);	(437594.3,	3725051.4,	204.5,	215.0,	0.0);
(	437546.8,	3725074.3,	203.5,	215.0,	0.0);	(437506.7,	3725110.1,	200.7,	215.0,	0.0);
(	437547.9,	3725050.2,	202.4,	215.0,	0.0);	(437563.5,	3725043.7,	202.3,	215.0,	0.0);
(	437533.4,	3725059.4,	202.2,	213.0,	0.0);	(437699.2,	3724980.4,	201.3,	231.0,	0.0);
(	437716.1,	3724985.4,	201.7,	231.0,	0.0);	(437733.1,	3724990.3,	202.6,	202.6,	0.0);
(	437662.9,	3724950.1,	201.6,	232.0,	0.0);	(437679.4,	3724954.9,	201.0,	232.0,	0.0);
(	437695.9,	3724959.8,	201.5,	232.0,	0.0);	(437712.3,	3724964.6,	202.1,	232.0,	0.0);
(	437728.8,	3724969.4,	202.6,	231.0,	0.0);	(437745.3,	3724974.2,	203.0,	231.0,	0.0);
(	437466.8,	3725011.7,	201.9,	201.9,	0.0);	(437453.4,	3725023.6,	201.0,	201.0,	0.0);
(	437440.0,	3725035.5,	199.7,	220.0,	0.0);	(437481.6,	3724975.5,	201.7,	201.7,	0.0);
(	437498.0,	3724968.7,	201.1,	201.1,	0.0);	(437514.4,	3724962.0,	201.6,	201.6,	0.0);
(	437646.1,	3724925.6,	201.7,	232.0,	0.0);	(437663.1,	3724930.5,	201.5,	232.0,	0.0);
(	437680.1,	3724935.5,	201.0,	232.0,	0.0);	(437697.0,	3724940.5,	201.6,	232.0,	0.0);
(	437714.0,	3724945.4,	202.1,	232.0,	0.0);	(437731.0,	3724950.4,	202.3,	232.0,	0.0);
(	437748.0,	3724955.4,	202.7,	232.0,	0.0);	(437466.8,	3724984.8,	201.9,	201.9,	0.0);
(	437453.4,	3724996.8,	201.5,	201.5,	0.0);	(437440.1,	3725008.7,	200.6,	200.6,	0.0);
(	437426.7,	3725020.6,	199.2,	220.0,	0.0);	(437468.1,	3724960.6,	201.7,	201.7,	0.0);
(	437484.1,	3724954.0,	201.5,	201.5,	0.0);	(437500.0,	3724947.5,	201.6,	201.6,	0.0);
(	437516.0,	3724940.9,	201.9,	201.9,	0.0);	(437531.9,	3724934.3,	202.1,	202.1,	0.0);
(	437661.0,	3724910.2,	201.1,	232.0,	0.0);	(437677.5,	3724915.1,	201.0,	232.0,	0.0);
(	437694.1,	3724919.9,	201.2,	232.0,	0.0);	(437710.6,	3724924.8,	201.6,	232.0,	0.0);
(	437727.2,	3724929.6,	201.9,	232.0,	0.0);	(437743.7,	3724934.5,	202.1,	232.0,	0.0);
(	437760.3,	3724939.3,	202.7,	255.0,	0.0);	(437453.5,	3724969.9,	201.0,	201.0,	0.0);
(	437440.1,	3724981.8,	200.6,	200.6,	0.0);	(437426.7,	3724993.8,	199.7,	220.0,	0.0);
(	437413.4,	3725005.7,	198.3,	220.0,	0.0);	(437455.0,	3724945.6,	200.3,	200.3,	0.0);
(	437471.3,	3724938.9,	201.1,	201.1,	0.0);	(437487.7,	3724932.1,	201.1,	201.1,	0.0);
(	437504.0,	3724925.4,	200.8,	202.0,	0.0);	(437520.4,	3724918.6,	201.7,	201.7,	0.0);
(	437602.2,	3724884.9,	200.9,	232.0,	0.0);	(437677.9,	3724895.5,	201.0,	232.0,	0.0);
(	437694.9,	3724900.5,	201.1,	232.0,	0.0);	(437711.9,	3724905.5,	201.1,	232.0,	0.0);
(	437728.9,	3724910.5,	201.7,	232.0,	0.0);	(437745.8,	3724915.4,	202.1,	255.0,	0.0);
(	437440.1,	3724955.0,	199.7,	199.7,	0.0);	(437426.8,	3724966.9,	199.2,	220.0,	0.0);
(	437413.4,	3724978.9,	198.3,	220.0,	0.0);	(437400.0,	3724990.8,	197.4,	220.0,	0.0);
(	437441.5,	3724930.8,	198.8,	198.8,	0.0);	(437457.5,	3724924.2,	199.2,	201.0,	0.0);
(	437473.5,	3724917.6,	199.2,	199.2,	0.0);	(437489.5,	3724911.0,	198.6,	232.0,	0.0);
(	437505.5,	3724904.4,	198.9,	232.0,	0.0);	(437585.5,	3724871.4,	200.7,	232.0,	0.0);
(	437601.5,	3724864.8,	200.5,	232.0,	0.0);	(437625.8,	3724860.6,	200.6,	232.0,	0.0);
(	437692.2,	3724880.1,	201.4,	250.0,	0.0);	(437708.8,	3724884.9,	201.7,	250.0,	0.0);
(	437725.4,	3724889.8,	201.5,	255.0,	0.0);	(437742.0,	3724894.6,	201.7,	255.0,	0.0);
(	437775.2,	3724904.4,	202.2,	255.0,	0.0);	(437791.8,	3724909.2,	202.8,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437426.8,	3724940.1,	198.3,	198.3,	0.0);	(437413.5,	3724952.0,	197.8,	220.0,	0.0);
(437400.1,	3724964.0,	197.3,	220.0,	0.0);	(437386.7,	3724975.9,	196.5,	220.0,	0.0);
(437421.6,	3724908.4,	196.5,	215.0,	0.0);	(437437.8,	3724901.7,	196.7,	196.7,	0.0);
(437454.0,	3724895.0,	196.7,	232.0,	0.0);	(437470.1,	3724888.3,	196.8,	232.0,	0.0);
(437486.3,	3724881.7,	196.8,	232.0,	0.0);	(437502.5,	3724875.0,	197.2,	232.0,	0.0);
(437567.3,	3724848.3,	199.3,	232.0,	0.0);	(437583.5,	3724841.6,	199.7,	232.0,	0.0);
(437599.7,	3724834.9,	200.5,	232.0,	0.0);	(437624.2,	3724830.7,	201.7,	232.0,	0.0);
(437641.1,	3724835.6,	202.1,	232.0,	0.0);	(437657.9,	3724840.5,	202.2,	232.0,	0.0);
(437725.1,	3724860.2,	201.8,	255.0,	0.0);	(437741.9,	3724865.1,	201.4,	255.0,	0.0);
(437775.5,	3724875.0,	202.2,	255.0,	0.0);	(437792.3,	3724879.9,	202.8,	255.0,	0.0);
(437809.1,	3724884.8,	203.0,	255.0,	0.0);	(437406.8,	3724917.7,	196.3,	220.0,	0.0);
(437393.5,	3724929.6,	196.2,	220.0,	0.0);	(437380.1,	3724941.6,	196.0,	220.0,	0.0);
(437366.7,	3724953.5,	195.3,	220.0,	0.0);	(437401.7,	3724886.0,	195.1,	220.0,	0.0);
(437418.0,	3724879.2,	195.1,	232.0,	0.0);	(437434.4,	3724872.5,	195.0,	232.0,	0.0);
(437450.7,	3724865.8,	195.4,	232.0,	0.0);	(437467.1,	3724859.0,	195.9,	232.0,	0.0);
(437483.4,	3724852.2,	196.1,	232.0,	0.0);	(437565.2,	3724818.5,	197.7,	232.0,	0.0);
(437581.5,	3724811.8,	199.3,	232.0,	0.0);	(437597.9,	3724805.0,	200.9,	232.0,	0.0);
(437622.7,	3724800.8,	202.7,	232.0,	0.0);	(437639.7,	3724805.7,	203.2,	232.0,	0.0);
(437656.7,	3724810.7,	203.5,	250.0,	0.0);	(437673.7,	3724815.7,	203.1,	250.0,	0.0);
(437690.6,	3724820.6,	202.9,	250.0,	0.0);	(437792.5,	3724850.4,	202.1,	255.0,	0.0);
(437809.5,	3724855.4,	202.5,	255.0,	0.0);	(437826.5,	3724860.4,	203.0,	255.0,	0.0);
(437386.8,	3724895.3,	194.9,	220.0,	0.0);	(437373.5,	3724907.3,	194.6,	220.0,	0.0);
(437360.1,	3724919.2,	194.4,	220.0,	0.0);	(437346.7,	3724931.2,	194.6,	220.0,	0.0);
(437381.8,	3724863.6,	194.0,	232.0,	0.0);	(437398.2,	3724856.8,	194.2,	232.0,	0.0);
(437414.7,	3724850.0,	194.3,	232.0,	0.0);	(437431.2,	3724843.2,	194.7,	232.0,	0.0);
(437447.7,	3724836.4,	195.0,	232.0,	0.0);	(437464.2,	3724829.6,	195.3,	232.0,	0.0);
(437546.7,	3724795.5,	196.9,	232.0,	0.0);	(437563.2,	3724788.7,	197.5,	250.0,	0.0);
(437579.7,	3724781.9,	199.9,	232.0,	0.0);	(437596.2,	3724775.1,	202.0,	232.0,	0.0);
(437621.2,	3724770.8,	204.7,	232.0,	0.0);	(437638.3,	3724775.8,	205.5,	232.0,	0.0);
(437655.5,	3724780.8,	206.1,	232.0,	0.0);	(437672.6,	3724785.9,	206.6,	250.0,	0.0);
(437689.7,	3724790.9,	206.4,	250.0,	0.0);	(437706.8,	3724795.9,	205.7,	250.0,	0.0);
(437366.8,	3724873.0,	193.2,	220.0,	0.0);	(437353.5,	3724884.9,	192.6,	220.0,	0.0);
(437340.1,	3724896.9,	192.5,	220.0,	0.0);	(437361.6,	3724841.3,	192.6,	232.0,	0.0);
(437377.7,	3724834.7,	193.5,	232.0,	0.0);	(437393.8,	3724828.0,	193.7,	232.0,	0.0);
(437409.8,	3724821.4,	194.0,	232.0,	0.0);	(437426.0,	3724814.7,	194.0,	232.0,	0.0);
(437442.0,	3724808.1,	194.1,	232.0,	0.0);	(437538.6,	3724768.2,	197.4,	232.0,	0.0);
(437554.7,	3724761.6,	198.4,	232.0,	0.0);	(437570.8,	3724755.0,	200.2,	232.0,	0.0);
(437586.9,	3724748.3,	202.2,	232.0,	0.0);	(437603.0,	3724741.7,	204.8,	232.0,	0.0);
(437619.4,	3724740.8,	207.0,	232.0,	0.0);	(437636.1,	3724745.7,	208.9,	232.0,	0.0);
(437652.8,	3724750.6,	210.3,	232.0,	0.0);	(437669.5,	3724755.5,	211.1,	232.0,	0.0);
(437686.3,	3724760.4,	212.1,	232.0,	0.0);	(437703.0,	3724765.3,	212.6,	232.0,	0.0);
(437753.1,	3724779.9,	206.6,	255.0,	0.0);	(437769.8,	3724784.8,	203.6,	255.0,	0.0);
(437786.5,	3724789.7,	202.3,	255.0,	0.0);	(437803.2,	3724794.6,	202.0,	255.0,	0.0);
(437820.0,	3724799.5,	202.0,	255.0,	0.0);	(437836.7,	3724804.4,	202.3,	255.0,	0.0);
(437853.4,	3724809.3,	203.0,	255.0,	0.0);	(437870.1,	3724814.2,	203.7,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437346.8,	3724850.6,	191.8,	232.0,	0.0);	(437333.5,	3724862.5,	190.9,	232.0,	0.0);
(437341.6,	3724818.9,	190.8,	232.0,	0.0);	(437357.9,	3724812.2,	191.4,	232.0,	0.0);
(437374.1,	3724805.5,	192.3,	232.0,	0.0);	(437471.5,	3724765.3,	194.1,	232.0,	0.0);
(437487.7,	3724758.6,	194.6,	232.0,	0.0);	(437504.0,	3724751.9,	195.3,	232.0,	0.0);
(437520.2,	3724745.2,	196.6,	232.0,	0.0);	(437536.4,	3724738.5,	198.0,	232.0,	0.0);
(437552.6,	3724731.8,	199.4,	250.0,	0.0);	(437568.9,	3724725.1,	201.2,	232.0,	0.0);
(437585.1,	3724718.4,	203.6,	232.0,	0.0);	(437601.3,	3724711.8,	206.4,	232.0,	0.0);
(437617.9,	3724710.9,	209.2,	232.0,	0.0);	(437634.7,	3724715.8,	212.2,	232.0,	0.0);
(437651.6,	3724720.7,	215.1,	232.0,	0.0);	(437668.4,	3724725.7,	217.2,	232.0,	0.0);
(437735.8,	3724745.4,	216.7,	232.0,	0.0);	(437752.7,	3724750.3,	215.7,	232.0,	0.0);
(437769.5,	3724755.3,	216.1,	250.0,	0.0);	(437786.4,	3724760.2,	212.7,	250.0,	0.0);
(437803.2,	3724765.1,	209.3,	255.0,	0.0);	(437820.1,	3724770.1,	206.1,	255.0,	0.0);
(437853.8,	3724779.9,	204.2,	255.0,	0.0);	(437870.7,	3724784.9,	204.4,	255.0,	0.0);
(437887.5,	3724789.8,	204.9,	255.0,	0.0);	(437326.8,	3724828.2,	190.3,	232.0,	0.0);
(437313.5,	3724840.2,	189.8,	232.0,	0.0);	(437321.7,	3724796.5,	191.2,	232.0,	0.0);
(437338.0,	3724789.8,	190.8,	232.0,	0.0);	(437436.2,	3724749.3,	193.6,	232.0,	0.0);
(437452.5,	3724742.5,	193.7,	233.0,	0.0);	(437468.9,	3724735.8,	194.0,	233.0,	0.0);
(437485.2,	3724729.0,	194.5,	233.0,	0.0);	(437501.6,	3724722.3,	195.1,	250.0,	0.0);
(437517.9,	3724715.6,	196.5,	250.0,	0.0);	(437534.3,	3724708.8,	197.8,	250.0,	0.0);
(437550.6,	3724702.1,	199.2,	250.0,	0.0);	(437567.0,	3724695.3,	201.3,	250.0,	0.0);
(437583.3,	3724688.6,	204.6,	232.0,	0.0);	(437599.7,	3724681.8,	208.1,	232.0,	0.0);
(437616.3,	3724680.9,	211.0,	232.0,	0.0);	(437684.2,	3724700.8,	224.6,	232.0,	0.0);
(437701.2,	3724705.8,	225.2,	232.0,	0.0);	(437718.2,	3724710.7,	225.3,	232.0,	0.0);
(437735.2,	3724715.7,	225.4,	232.0,	0.0);	(437752.2,	3724720.7,	222.7,	232.0,	0.0);
(437769.1,	3724725.6,	220.1,	232.0,	0.0);	(437786.1,	3724730.6,	217.3,	250.0,	0.0);
(437871.0,	3724755.5,	206.0,	255.0,	0.0);	(437888.0,	3724760.4,	205.9,	255.0,	0.0);
(437905.0,	3724765.4,	206.4,	255.0,	0.0);	(437306.8,	3724805.9,	190.1,	232.0,	0.0);
(437301.8,	3724774.1,	190.5,	232.0,	0.0);	(437400.5,	3724733.4,	191.5,	233.0,	0.0);
(437417.0,	3724726.6,	192.2,	233.0,	0.0);	(437433.4,	3724719.8,	192.8,	233.0,	0.0);
(437449.9,	3724713.0,	193.3,	233.0,	0.0);	(437466.3,	3724706.2,	193.9,	233.0,	0.0);
(437482.8,	3724699.4,	194.1,	250.0,	0.0);	(437499.3,	3724692.6,	194.0,	250.0,	0.0);
(437515.7,	3724685.8,	195.4,	250.0,	0.0);	(437532.2,	3724679.0,	196.8,	250.0,	0.0);
(437548.6,	3724672.3,	199.1,	250.0,	0.0);	(437565.1,	3724665.5,	202.2,	250.0,	0.0);
(437581.6,	3724658.7,	206.0,	232.0,	0.0);	(437598.0,	3724651.9,	210.2,	232.0,	0.0);
(437649.0,	3724661.0,	222.7,	232.0,	0.0);	(437666.1,	3724666.0,	224.2,	232.0,	0.0);
(437683.2,	3724671.0,	226.5,	232.0,	0.0);	(437700.2,	3724676.0,	229.4,	232.0,	0.0);
(437717.3,	3724681.0,	230.0,	232.0,	0.0);	(437734.4,	3724686.0,	229.4,	231.0,	0.0);
(437751.5,	3724691.0,	226.7,	232.0,	0.0);	(437888.2,	3724731.0,	206.8,	255.0,	0.0);
(437905.3,	3724736.0,	207.2,	255.0,	0.0);	(437922.4,	3724741.0,	207.8,	255.0,	0.0);
(437381.1,	3724710.8,	190.1,	233.0,	0.0);	(437397.7,	3724703.9,	191.2,	233.0,	0.0);
(437414.3,	3724697.1,	192.2,	233.0,	0.0);	(437430.8,	3724690.3,	192.7,	233.0,	0.0);
(437447.4,	3724683.4,	193.3,	233.0,	0.0);	(437463.9,	3724676.6,	193.8,	233.0,	0.0);
(437480.5,	3724669.8,	194.0,	250.0,	0.0);	(437497.0,	3724662.9,	194.0,	250.0,	0.0);
(437513.6,	3724656.1,	194.8,	250.0,	0.0);	(437530.2,	3724649.3,	195.5,	250.0,	0.0);
(437699.2,	3724646.2,	227.3,	232.0,	0.0);	(437716.4,	3724651.2,	227.9,	232.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437785.1,	3724671.4,	215.8,	250.0,	0.0);	(437793.7,	3724673.9,	213.9,	250.0,	0.0);
(437810.9,	3724678.9,	210.8,	255.0,	0.0);	(437828.1,	3724683.9,	207.9,	255.0,	0.0);
(437845.3,	3724689.0,	207.1,	255.0,	0.0);	(437862.5,	3724694.0,	206.4,	255.0,	0.0);
(437879.7,	3724699.0,	207.9,	255.0,	0.0);	(437914.1,	3724709.1,	209.9,	255.0,	0.0);
(437931.2,	3724714.1,	211.5,	255.0,	0.0);	(437359.2,	3724689.2,	189.6,	233.0,	0.0);
(437375.5,	3724682.5,	190.3,	233.0,	0.0);	(437391.7,	3724675.8,	191.2,	233.0,	0.0);
(437408.0,	3724669.1,	191.9,	233.0,	0.0);	(437424.2,	3724662.4,	192.5,	233.0,	0.0);
(437440.5,	3724655.7,	193.0,	233.0,	0.0);	(437780.3,	3724640.4,	216.0,	250.0,	0.0);
(437797.2,	3724645.4,	212.5,	250.0,	0.0);	(437814.0,	3724650.3,	209.6,	255.0,	0.0);
(437830.9,	3724655.3,	207.1,	255.0,	0.0);	(437847.8,	3724660.2,	207.9,	255.0,	0.0);
(437864.7,	3724665.1,	208.6,	255.0,	0.0);	(437881.5,	3724670.1,	209.9,	255.0,	0.0);
(437898.4,	3724675.0,	211.3,	255.0,	0.0);	(437290.8,	3724686.8,	188.4,	233.0,	0.0);
(437307.1,	3724680.1,	189.1,	233.0,	0.0);	(437323.5,	3724673.3,	189.8,	233.0,	0.0);
(437339.8,	3724666.6,	190.0,	233.0,	0.0);	(437356.2,	3724659.8,	190.2,	233.0,	0.0);
(437372.5,	3724653.1,	190.8,	233.0,	0.0);	(437881.6,	3724640.6,	211.9,	255.0,	0.0);
(437264.1,	3724657.0,	189.1,	233.0,	0.0);	(437280.5,	3724650.2,	189.4,	233.0,	0.0);
(437296.8,	3724643.5,	189.8,	233.0,	0.0);	(437313.2,	3724636.8,	190.0,	233.0,	0.0);
(437329.5,	3724630.0,	190.0,	233.0,	0.0);	(437345.9,	3724623.3,	190.0,	233.0,	0.0);
(437160.1,	3724722.4,	197.4,	220.0,	0.0);	(437253.8,	3724620.4,	187.8,	233.0,	0.0);
(437270.2,	3724613.7,	188.6,	233.0,	0.0);	(437286.5,	3724606.9,	188.9,	233.0,	0.0);
(437302.9,	3724600.2,	189.2,	233.0,	0.0);	(437319.2,	3724593.4,	189.6,	233.0,	0.0);
(437133.5,	3724692.6,	192.7,	227.0,	0.0);	(437120.2,	3724650.8,	189.0,	227.0,	0.0);
(437106.8,	3724662.8,	188.0,	227.0,	0.0);	(437106.9,	3724609.1,	188.7,	226.0,	0.0);
(437093.5,	3724621.0,	187.4,	227.0,	0.0);	(437080.1,	3724633.0,	186.9,	227.0,	0.0);
(437080.2,	3724579.2,	185.2,	227.0,	0.0);	(437066.8,	3724591.2,	185.3,	227.0,	0.0);
(437053.5,	3724603.1,	186.5,	227.0,	0.0);	(437000.2,	3724543.5,	185.6,	227.0,	0.0);
(436986.9,	3724501.7,	191.6,	220.0,	0.0);	(436973.5,	3724513.7,	195.5,	214.0,	0.0);
(436986.9,	3724448.0,	186.6,	218.0,	0.0);	(436973.6,	3724460.0,	188.1,	218.0,	0.0);
(436960.2,	3724471.9,	191.1,	214.0,	0.0);	(436946.8,	3724483.9,	194.1,	214.0,	0.0);
(436975.1,	3724408.8,	186.1,	214.0,	0.0);	(436960.3,	3724418.2,	188.6,	214.0,	0.0);
(436946.9,	3724430.1,	191.7,	214.0,	0.0);	(436933.5,	3724442.1,	193.2,	214.0,	0.0);
(436920.2,	3724454.0,	193.5,	214.0,	0.0);	(437537.8,	3725189.8,	202.0,	217.0,	0.0);
(437530.5,	3725196.4,	201.8,	217.0,	0.0);	(437523.1,	3725203.0,	201.5,	217.0,	0.0);
(437538.5,	3725175.7,	201.3,	217.0,	0.0);	(437531.1,	3725182.3,	201.3,	217.0,	0.0);
(437523.8,	3725188.9,	201.2,	217.0,	0.0);	(437516.5,	3725195.6,	200.9,	217.0,	0.0);
(437531.8,	3725168.3,	201.1,	217.0,	0.0);	(437524.4,	3725174.9,	200.8,	217.0,	0.0);
(437517.1,	3725181.5,	200.7,	217.0,	0.0);	(437509.8,	3725188.1,	200.5,	217.0,	0.0);
(437525.1,	3725160.8,	200.9,	215.0,	0.0);	(437517.7,	3725167.5,	200.6,	215.0,	0.0);
(437510.4,	3725174.1,	200.4,	213.0,	0.0);	(437503.0,	3725180.7,	200.1,	213.0,	0.0);
(437518.4,	3725153.4,	200.6,	215.0,	0.0);	(437511.0,	3725160.0,	200.4,	215.0,	0.0);
(437503.7,	3725166.7,	200.1,	213.0,	0.0);	(437496.3,	3725173.3,	200.0,	200.0,	0.0);
(437489.0,	3725179.9,	200.0,	200.0,	0.0);	(437519.0,	3725139.4,	200.8,	215.0,	0.0);
(437511.7,	3725146.0,	200.4,	215.0,	0.0);	(437504.3,	3725152.6,	200.2,	213.0,	0.0);
(437497.0,	3725159.2,	200.0,	213.0,	0.0);	(437489.6,	3725165.9,	199.9,	199.9,	0.0);
(437482.3,	3725172.5,	199.9,	199.9,	0.0);	(437512.3,	3725131.9,	200.6,	215.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437505.0,	3725138.6,	200.2,	215.0,	0.0);	(437497.6,	3725145.2,	199.9,	213.0,	0.0);
(437490.3,	3725151.8,	199.8,	199.8,	0.0);	(437483.0,	3725158.4,	199.7,	199.7,	0.0);
(437475.6,	3725165.1,	199.7,	199.7,	0.0);	(437498.9,	3725117.1,	200.0,	213.0,	0.0);
(437491.6,	3725123.7,	199.9,	213.0,	0.0);	(437484.2,	3725130.3,	199.8,	199.8,	0.0);
(437422.0,	3725105.7,	198.6,	220.0,	0.0);	(437414.7,	3725112.3,	198.8,	220.0,	0.0);
(437423.3,	3725077.6,	197.9,	220.0,	0.0);	(437416.0,	3725084.2,	197.4,	220.0,	0.0);
(437408.6,	3725090.8,	197.4,	220.0,	0.0);	(437432.0,	3725042.8,	198.9,	220.0,	0.0);
(437424.6,	3725049.5,	198.2,	220.0,	0.0);	(437417.3,	3725056.1,	197.5,	220.0,	0.0);
(437409.9,	3725062.7,	197.0,	220.0,	0.0);	(437402.6,	3725069.3,	197.1,	220.0,	0.0);
(437395.2,	3725076.0,	197.5,	220.0,	0.0);	(437387.9,	3725082.6,	198.2,	220.0,	0.0);
(437418.5,	3725028.0,	198.5,	220.0,	0.0);	(437411.2,	3725034.6,	197.8,	220.0,	0.0);
(437403.9,	3725041.2,	197.2,	220.0,	0.0);	(437396.5,	3725047.9,	196.7,	220.0,	0.0);
(437389.2,	3725054.5,	196.3,	220.0,	0.0);	(437381.8,	3725061.1,	196.5,	220.0,	0.0);
(437405.1,	3725013.1,	197.7,	220.0,	0.0);	(437397.8,	3725019.8,	197.2,	220.0,	0.0);
(437390.5,	3725026.4,	196.7,	220.0,	0.0);	(437383.1,	3725033.0,	196.2,	220.0,	0.0);
(437375.8,	3725039.6,	195.9,	220.0,	0.0);	(437391.8,	3724998.3,	196.8,	220.0,	0.0);
(437384.4,	3725004.9,	196.3,	220.0,	0.0);	(437377.1,	3725011.5,	195.8,	220.0,	0.0);
(437369.7,	3725018.2,	195.3,	220.0,	0.0);	(437347.7,	3725038.0,	195.7,	220.0,	0.0);
(437378.4,	3724983.4,	195.9,	220.0,	0.0);	(437371.0,	3724990.1,	195.4,	220.0,	0.0);
(437341.6,	3725016.6,	196.0,	220.0,	0.0);	(437334.3,	3725023.2,	198.0,	220.0,	0.0);
(437358.3,	3724961.2,	194.7,	220.0,	0.0);	(437328.9,	3724987.7,	197.4,	220.0,	0.0);
(437321.5,	3724994.3,	199.4,	220.0,	0.0);	(437314.2,	3725000.9,	201.7,	220.0,	0.0);
(437316.1,	3724958.8,	196.6,	220.0,	0.0);	(437308.8,	3724965.4,	199.6,	220.0,	0.0);
(437301.5,	3724972.0,	202.6,	220.0,	0.0);	(437294.1,	3724978.6,	205.5,	220.0,	0.0);
(437310.7,	3724923.2,	195.7,	220.0,	0.0);	(437303.4,	3724929.9,	198.2,	220.0,	0.0);
(437296.0,	3724936.5,	201.1,	220.0,	0.0);	(437288.7,	3724943.1,	203.9,	220.0,	0.0);
(437281.3,	3724949.8,	206.3,	219.0,	0.0);	(437274.0,	3724956.4,	208.7,	217.0,	0.0);
(437290.6,	3724901.0,	197.0,	220.0,	0.0);	(437283.3,	3724907.6,	200.1,	220.0,	0.0);
(437276.0,	3724914.2,	203.2,	219.0,	0.0);	(437268.6,	3724920.8,	206.1,	217.0,	0.0);
(437261.3,	3724927.5,	208.7,	217.0,	0.0);	(437253.9,	3724934.1,	210.6,	216.0,	0.0);
(437270.5,	3724878.7,	199.2,	220.0,	0.0);	(437263.2,	3724885.3,	202.5,	217.0,	0.0);
(437255.8,	3724891.9,	205.3,	217.0,	0.0);	(437248.5,	3724898.6,	207.4,	216.0,	0.0);
(437241.2,	3724905.2,	209.3,	216.0,	0.0);	(437233.8,	3724911.8,	211.0,	214.0,	0.0);
(437250.4,	3724856.4,	200.4,	217.0,	0.0);	(437243.1,	3724863.0,	202.9,	217.0,	0.0);
(437235.8,	3724869.7,	205.5,	216.0,	0.0);	(437228.4,	3724876.3,	208.1,	208.1,	0.0);
(437221.1,	3724882.9,	209.1,	209.1,	0.0);	(437213.7,	3724889.5,	209.7,	209.7,	0.0);
(437230.3,	3724834.1,	200.7,	217.0,	0.0);	(437223.0,	3724840.8,	202.8,	216.0,	0.0);
(437215.7,	3724847.4,	205.0,	214.0,	0.0);	(437208.3,	3724854.0,	207.1,	210.0,	0.0);
(437201.0,	3724860.6,	208.8,	208.8,	0.0);	(437193.6,	3724867.3,	207.9,	210.0,	0.0);
(437210.2,	3724811.9,	201.8,	210.0,	0.0);	(437202.9,	3724818.5,	203.8,	210.0,	0.0);
(437195.6,	3724825.1,	204.8,	210.0,	0.0);	(437188.2,	3724831.8,	204.5,	210.0,	0.0);
(437180.9,	3724838.4,	203.9,	210.0,	0.0);	(437173.5,	3724845.0,	202.8,	214.0,	0.0);
(437197.5,	3724783.0,	201.7,	201.7,	0.0);	(437190.2,	3724789.6,	202.2,	208.0,	0.0);
(437182.8,	3724796.2,	202.3,	208.0,	0.0);	(437175.5,	3724802.8,	202.2,	210.0,	0.0);
(437168.1,	3724809.5,	201.6,	220.0,	0.0);	(437160.8,	3724816.1,	199.7,	226.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437153.4,	3724822.7,	197.8,	227.0,	0.0);	(437177.4,	3724760.7,	201.3,	201.3,	0.0);
(437170.1,	3724767.3,	202.0,	202.0,	0.0);	(437162.7,	3724773.9,	200.3,	220.0,	0.0);
(437155.4,	3724780.6,	198.3,	226.0,	0.0);	(437148.0,	3724787.2,	196.2,	227.0,	0.0);
(437140.7,	3724793.8,	194.3,	227.0,	0.0);	(437133.3,	3724800.4,	193.4,	228.0,	0.0);
(437150.6,	3724731.0,	196.7,	220.0,	0.0);	(437143.3,	3724737.6,	195.6,	226.0,	0.0);
(437135.9,	3724744.2,	194.3,	227.0,	0.0);	(437128.6,	3724750.9,	193.0,	227.0,	0.0);
(437121.2,	3724757.5,	192.0,	228.0,	0.0);	(437113.9,	3724764.1,	190.9,	228.0,	0.0);
(437106.5,	3724770.8,	190.8,	228.0,	0.0);	(437123.8,	3724701.3,	190.9,	227.0,	0.0);
(437116.5,	3724707.9,	189.5,	228.0,	0.0);	(437109.1,	3724714.5,	188.0,	228.0,	0.0);
(437101.8,	3724721.2,	188.7,	228.0,	0.0);	(437094.4,	3724727.8,	189.6,	228.0,	0.0);
(437087.1,	3724734.4,	190.8,	228.0,	0.0);	(437079.8,	3724741.0,	192.0,	228.0,	0.0);
(437097.0,	3724671.6,	188.1,	228.0,	0.0);	(437089.7,	3724678.2,	188.3,	228.0,	0.0);
(437082.3,	3724684.8,	188.6,	228.0,	0.0);	(437075.0,	3724691.5,	189.6,	228.0,	0.0);
(437067.6,	3724698.1,	191.2,	228.0,	0.0);	(437060.3,	3724704.7,	193.2,	228.0,	0.0);
(437053.0,	3724711.3,	195.4,	227.0,	0.0);	(437070.2,	3724641.9,	188.2,	227.0,	0.0);
(437062.9,	3724648.5,	189.3,	227.0,	0.0);	(437055.5,	3724655.1,	190.6,	227.0,	0.0);
(437048.2,	3724661.8,	192.0,	227.0,	0.0);	(437040.8,	3724668.4,	194.2,	227.0,	0.0);
(437033.5,	3724675.0,	196.5,	227.0,	0.0);	(437026.2,	3724681.6,	198.9,	220.0,	0.0);
(437043.4,	3724612.2,	188.1,	227.0,	0.0);	(437036.1,	3724618.8,	189.4,	227.0,	0.0);
(437028.8,	3724625.4,	190.8,	227.0,	0.0);	(437021.4,	3724632.1,	192.3,	227.0,	0.0);
(437014.1,	3724638.7,	193.5,	227.0,	0.0);	(437016.6,	3724582.5,	185.2,	227.0,	0.0);
(437009.3,	3724589.1,	186.6,	227.0,	0.0);	(437002.0,	3724595.8,	187.7,	227.0,	0.0);
(436994.6,	3724602.4,	188.6,	227.0,	0.0);	(436987.3,	3724609.0,	189.3,	227.0,	0.0);
(436979.9,	3724615.6,	190.0,	227.0,	0.0);	(436972.6,	3724622.2,	190.6,	227.0,	0.0);
(436989.8,	3724552.8,	186.0,	227.0,	0.0);	(436982.5,	3724559.4,	186.8,	227.0,	0.0);
(436975.2,	3724566.0,	187.1,	227.0,	0.0);	(436967.8,	3724572.7,	187.1,	227.0,	0.0);
(436960.5,	3724579.3,	187.1,	227.0,	0.0);	(436953.1,	3724585.9,	187.9,	227.0,	0.0);
(436945.8,	3724592.5,	188.4,	227.0,	0.0);	(436963.0,	3724523.1,	196.4,	214.0,	0.0);
(436955.7,	3724529.7,	196.3,	214.0,	0.0);	(436948.4,	3724536.3,	196.5,	214.0,	0.0);
(436941.0,	3724543.0,	196.7,	214.0,	0.0);	(436933.7,	3724549.6,	197.1,	214.0,	0.0);
(436936.3,	3724493.4,	197.1,	214.0,	0.0);	(436928.9,	3724500.0,	200.2,	214.0,	0.0);
(436921.6,	3724506.6,	203.3,	214.0,	0.0);	(436909.5,	3724463.7,	195.6,	214.0,	0.0);
(436902.1,	3724470.3,	197.5,	214.0,	0.0);					

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC Met Version: 16216
Profile file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93184 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	1.30	54.	9.1	999.0	-9.0
11	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	190.	9.1	999.0	-9.0
11	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	133.	9.1	999.0	-9.0
11	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	151.	9.1	999.0	-9.0
11	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	42.	9.1	999.0	-9.0
11	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.53	0.90	28.	9.1	999.0	-9.0
11	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.31	0.90	95.	9.1	999.0	-9.0
11	01	01	1	10	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.24	0.90	211.	9.1	999.0	-9.0
11	01	01	1	11	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	258.	9.1	999.0	-9.0
11	01	01	1	12	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	268.	9.1	999.0	-9.0
11	01	01	1	13	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	220.	9.1	999.0	-9.0
11	01	01	1	14	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	247.	9.1	999.0	-9.0
11	01	01	1	15	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.25	1.30	249.	9.1	999.0	-9.0
11	01	01	1	16	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.33	2.20	209.	9.1	999.0	-9.0
11	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.61	1.30	196.	9.1	999.0	-9.0
11	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	132.	9.1	999.0	-9.0
11	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	91.	9.1	999.0	-9.0
11	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	67.	9.1	999.0	-9.0
11	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	72.	9.1	999.0	-9.0
11	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	65.	9.1	999.0	-9.0
11	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	61.	9.1	999.0	-9.0
11	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	41.	9.1	999.0	-9.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	-999.0	99.0	-99.00	-99.00
11	01	01	01	9.1	1	54.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437487.55	3725277.38	0.64765	437484.49	3725268.74	0.60441
437503.24	3725300.11	0.87833	437480.19	3725284.30	0.58145
437474.25	3725267.49	0.51472	437483.16	3725292.71	0.61544
437495.80	3725306.79	0.76516	437472.81	3725291.16	0.52398
437466.99	3725274.69	0.47158	437465.41	3725297.97	0.47625
437459.69	3725281.75	0.43364	437453.96	3725265.54	0.39138
437474.60	3725313.11	0.54620	437458.01	3725304.75	0.43377
437452.35	3725288.73	0.39801	437446.70	3725272.72	0.36291
437441.04	3725256.70	0.32910	437467.16	3725319.79	0.49187
437473.48	3725326.83	0.53612	437442.90	3725317.47	0.35786
437439.85	3725308.82	0.34412	437436.79	3725300.17	0.32952
437433.74	3725291.52	0.31683	437430.68	3725282.88	0.30398
437427.63	3725274.23	0.29111	437424.58	3725265.58	0.27833
437445.95	3725326.11	0.37163	437452.27	3725333.15	0.40167
437458.59	3725340.19	0.43387	437428.10	3725331.07	0.29580
437422.16	3725314.25	0.27662	437419.20	3725305.85	0.26728
437431.07	3725339.47	0.30554	437437.39	3725346.51	0.33102
437443.71	3725353.55	0.35643	437413.06	3725343.97	0.24443
437409.92	3725335.10	0.23800	437406.79	3725326.23	0.23159
437416.19	3725352.83	0.25109	437422.51	3725359.87	0.26927
437359.44	3725228.20	0.14505	437363.39	3725219.93	0.14759
437410.73	3725120.58	0.15262	437339.39	3725227.32	0.12264
437347.13	3725211.08	0.12704	437354.87	3725194.85	0.12990
437397.41	3725105.57	0.13203	437340.44	3725304.84	0.12416
437337.33	3725296.03	0.12209	437334.22	3725287.23	0.11944
437331.11	3725278.42	0.11687	437319.57	3725225.95	0.10460
437323.59	3725217.52	0.10652	437327.61	3725209.08	0.10839
437331.63	3725200.65	0.10990	437335.65	3725192.22	0.11110
437339.66	3725183.79	0.11210	437338.34	3725354.39	0.11793
437335.28	3725345.74	0.11579	437332.23	3725337.10	0.11355
437329.17	3725328.45	0.11119	437326.12	3725319.80	0.10936
437323.07	3725311.16	0.10778	437320.01	3725302.51	0.10625
437316.96	3725293.86	0.10457	437313.90	3725285.21	0.10261
437310.85	3725276.57	0.10080	437299.53	3725225.05	0.09103
437303.47	3725216.77	0.09260	437307.42	3725208.49	0.09407
437311.36	3725200.21	0.09518	437315.31	3725191.93	0.09617
437319.25	3725183.65	0.09714	437346.87	3725125.70	0.10661
437350.81	3725117.42	0.10657	437354.76	3725109.15	0.10627
437358.71	3725100.87	0.10561	437320.72	3725360.02	0.10419
437317.71	3725351.51	0.10202	437314.71	3725342.99	0.10035

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437311.70	3725334.47	0.09839	437308.69	3725325.96	0.09619
437305.68	3725317.44	0.09485	437302.68	3725308.92	0.09342
437299.67	3725300.41	0.09185	437296.66	3725291.89	0.09034
437293.65	3725283.37	0.08906	437290.65	3725274.86	0.08787
437279.50	3725224.12	0.08020	437287.27	3725207.82	0.08283
437295.04	3725191.51	0.08441	437298.92	3725183.36	0.08517
437326.12	3725126.28	0.09312	437333.89	3725109.97	0.09504
437337.78	3725101.82	0.09488	437345.55	3725085.51	0.09383
437349.43	3725077.36	0.09288	437299.01	3725354.04	0.09305
437295.91	3725345.27	0.09075	437292.81	3725336.50	0.08823
437289.72	3725327.72	0.08553	437286.62	3725318.95	0.08428
437283.52	3725310.18	0.08317	437280.42	3725301.41	0.08192
437277.32	3725292.63	0.08067	437274.23	3725283.86	0.07948
437271.13	3725275.09	0.07806	437259.64	3725222.83	0.07146
437263.64	3725214.43	0.07275	437267.64	3725206.03	0.07398
437271.65	3725197.63	0.07440	437275.65	3725189.23	0.07490
437279.65	3725180.83	0.07545	437307.67	3725122.04	0.08247
437311.67	3725113.64	0.08352	437315.67	3725105.24	0.08423
437319.68	3725096.84	0.08482	437323.68	3725088.44	0.08495
437327.68	3725080.05	0.08458	437331.68	3725071.65	0.08399
437335.68	3725063.25	0.08314	437339.69	3725054.85	0.08205
437343.69	3725046.45	0.08074	437308.96	3725437.71	0.10198
437305.90	3725429.06	0.10025	437302.85	3725420.42	0.09850
437299.79	3725411.77	0.09660	437296.74	3725403.12	0.09468
437278.42	3725351.24	0.08408	437275.36	3725342.59	0.08202
437272.31	3725333.94	0.08016	437269.26	3725325.29	0.07852
437266.20	3725316.65	0.07730	437263.15	3725308.00	0.07594
437250.93	3725273.41	0.06997	437239.61	3725221.89	0.06377
437243.56	3725213.61	0.06487	437247.50	3725205.34	0.06595
437251.45	3725197.06	0.06649	437255.39	3725188.78	0.06689
437259.34	3725180.50	0.06717	437263.28	3725172.22	0.06771
437294.84	3725105.99	0.07450	437298.79	3725097.71	0.07506
437302.73	3725089.43	0.07551	437306.68	3725081.15	0.07601
437310.62	3725072.87	0.07650	437314.57	3725064.60	0.07606
437318.51	3725056.32	0.07549	437322.46	3725048.04	0.07471
437326.40	3725039.76	0.07376	437330.35	3725031.48	0.07263
437312.01	3725446.36	0.10368	437318.33	3725453.40	0.10705
437286.58	3725457.59	0.08923	437283.46	3725448.78	0.08791
437280.35	3725439.98	0.08662	437277.24	3725431.17	0.08540
437274.13	3725422.36	0.08422	437271.02	3725413.55	0.08303

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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437267.91	3725404.75	0.08173	437227.48	3725290.25	0.06466
437224.37	3725281.44	0.06308	437221.26	3725272.63	0.06166
437218.15	3725263.83	0.06039	437209.72	3725220.16	0.05593
437213.74	3725211.73	0.05629	437217.76	3725203.30	0.05679
437221.78	3725194.87	0.05736	437225.80	3725186.43	0.05786
437229.82	3725178.00	0.05831	437278.04	3725076.82	0.06403
437282.05	3725068.38	0.06448	437286.07	3725059.95	0.06482
437290.09	3725051.52	0.06505	437294.11	3725043.09	0.06517
437298.13	3725034.65	0.06496	437302.14	3725026.22	0.06428
437306.16	3725017.79	0.06348	437310.18	3725009.36	0.06254
437289.69	3725466.40	0.09053	437296.01	3725473.44	0.09324
437302.33	3725480.48	0.09571	437264.31	3725477.79	0.07895
437261.25	3725469.15	0.07798	437258.20	3725460.50	0.07698
437255.15	3725451.85	0.07597	437252.09	3725443.20	0.07495
437249.04	3725434.56	0.07394	437245.99	3725425.91	0.07293
437242.93	3725417.26	0.07190	437239.88	3725408.61	0.07086
437236.82	3725399.97	0.06983	437215.45	3725339.43	0.06257
437212.39	3725330.79	0.06155	437209.34	3725322.14	0.06054
437206.29	3725313.49	0.05953	437203.23	3725304.84	0.05852
437200.18	3725296.20	0.05754	437197.12	3725287.55	0.05654
437194.07	3725278.90	0.05555	437191.02	3725270.25	0.05458
437187.96	3725261.61	0.05361	437179.69	3725218.74	0.05049
437183.64	3725210.46	0.05088	437187.58	3725202.18	0.05101
437191.53	3725193.90	0.05141	437195.47	3725185.62	0.05184
437199.42	3725177.34	0.05230	437258.60	3725053.16	0.05542
437262.54	3725044.88	0.05561	437266.49	3725036.60	0.05577
437270.43	3725028.32	0.05585	437274.38	3725020.05	0.05578
437278.32	3725011.77	0.05559	437282.27	3725003.49	0.05530
437286.21	3724995.21	0.05493	437290.16	3724986.93	0.05431
437235.73	3725480.13	0.06761	437232.63	3725471.35	0.06681
437229.53	3725462.57	0.06601	437226.43	3725453.79	0.06518
437223.33	3725445.00	0.06435	437220.23	3725436.22	0.06350
437217.12	3725427.44	0.06265	437214.02	3725418.66	0.06180
437210.92	3725409.87	0.06095	437207.82	3725401.09	0.06010
437189.21	3725348.40	0.05504	437186.11	3725339.61	0.05421
437183.01	3725330.83	0.05339	437164.40	3725278.13	0.04853
437161.30	3725269.35	0.04774	437158.20	3725260.57	0.04695
437149.80	3725217.03	0.04447	437153.80	3725208.62	0.04501
437157.81	3725200.21	0.04556	437161.82	3725191.81	0.04611
437165.82	3725183.40	0.04664	437169.83	3725174.99	0.04717

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437209.90	3725090.91	0.04892	437241.95	3725023.64	0.04920
437245.96	3725015.23	0.04902	437249.97	3725006.83	0.04878
437253.97	3724998.42	0.04847	437257.98	3724990.01	0.04815
437261.99	3724981.60	0.04787	437265.99	3724973.19	0.04758
437270.00	3724964.78	0.04722	437203.85	3725473.11	0.05778
437200.71	3725464.21	0.05709	437197.56	3725455.31	0.05640
437194.42	3725446.41	0.05571	437191.28	3725437.50	0.05502
437188.13	3725428.60	0.05432	437184.99	3725419.70	0.05363
437181.85	3725410.80	0.05293	437178.70	3725401.90	0.05223
437175.56	3725393.00	0.05154	437153.55	3725330.68	0.04674
437150.41	3725321.78	0.04606	437147.27	3725312.88	0.04539
437144.12	3725303.98	0.04473	437140.98	3725295.08	0.04407
437137.84	3725286.17	0.04341	437134.69	3725277.27	0.04275
437131.55	3725268.37	0.04210	437128.41	3725259.47	0.04145
437118.97	3725232.76	0.03955	437119.89	3725215.34	0.03943
437123.95	3725206.82	0.03991	437128.01	3725198.29	0.04040
437132.08	3725189.77	0.04088	437136.14	3725181.25	0.04136
437164.57	3725121.59	0.04436	437168.63	3725113.07	0.04471
437172.69	3725104.55	0.04507	437176.75	3725096.03	0.04520
437180.81	3725087.50	0.04529	437184.87	3725078.98	0.04530
437188.93	3725070.46	0.04529	437192.99	3725061.94	0.04524
437225.48	3724993.76	0.04370	437229.55	3724985.24	0.04329
437233.61	3724976.71	0.04303	437237.67	3724968.19	0.04273
437241.73	3724959.67	0.04242	437245.79	3724951.15	0.04207
437249.85	3724942.62	0.04168	437175.63	3725476.45	0.05017
437172.53	3725467.68	0.04971	437169.44	3725458.92	0.04924
437166.34	3725450.16	0.04876	437163.25	3725441.39	0.04833
437160.15	3725432.63	0.04777	437157.06	3725423.86	0.04721
437153.96	3725415.10	0.04665	437150.87	3725406.33	0.04610
437147.77	3725397.57	0.04554	437135.39	3725362.51	0.04333
437132.30	3725353.75	0.04277	437129.20	3725344.98	0.04221
437126.11	3725336.22	0.04165	437123.01	3725327.46	0.04109
437119.92	3725318.69	0.04055	437116.82	3725309.93	0.04001
437113.73	3725301.16	0.03947	437110.63	3725292.40	0.03894
437107.54	3725283.63	0.03840	437101.35	3725266.11	0.03734
437088.97	3725231.05	0.03529	437089.87	3725213.89	0.03521
437093.87	3725205.50	0.03562	437097.87	3725197.11	0.03604
437101.87	3725188.72	0.03645	437105.87	3725180.33	0.03686
437129.86	3725129.99	0.03920	437133.85	3725121.59	0.03955
437137.85	3725113.20	0.03990	437141.85	3725104.81	0.04023

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437145.85	3725096.42	0.04053	437149.85	3725088.03	0.04081
437153.85	3725079.64	0.04106	437157.85	3725071.25	0.04128
437161.84	3725062.86	0.04147	437165.84	3725054.47	0.04162
437169.84	3725046.08	0.04173	437173.84	3725037.69	0.04180
437177.84	3725029.30	0.04183	437213.82	3724953.78	0.03900
437217.82	3724945.39	0.03855	437221.82	3724937.00	0.03810
437225.82	3724928.61	0.03768	437229.82	3724920.22	0.03725
437143.61	3725469.04	0.04323	437140.48	3725460.17	0.04290
437137.35	3725451.30	0.04260	437134.22	3725442.44	0.04231
437131.08	3725433.57	0.04204	437127.95	3725424.70	0.04176
437124.82	3725415.83	0.04129	437121.69	3725406.96	0.04082
437109.16	3725371.48	0.03895	437106.03	3725362.61	0.03849
437102.90	3725353.74	0.03802	437080.97	3725291.66	0.03479
437077.84	3725282.79	0.03434	437074.71	3725273.92	0.03390
437071.57	3725265.05	0.03345	437062.18	3725238.44	0.03216
437059.05	3725229.58	0.03175	437059.96	3725212.21	0.03169
437064.01	3725203.72	0.03205	437068.05	3725195.23	0.03240
437072.10	3725186.74	0.03276	437076.15	3725178.25	0.03312
437104.47	3725118.81	0.03554	437108.52	3725110.32	0.03586
437112.56	3725101.83	0.03617	437116.61	3725093.34	0.03646
437120.66	3725084.85	0.03673	437124.70	3725076.36	0.03698
437128.75	3725067.87	0.03720	437132.79	3725059.37	0.03741
437136.84	3725050.88	0.03758	437140.89	3725042.39	0.03773
437144.93	3725033.90	0.03784	437148.98	3725025.41	0.03791
437153.03	3725016.92	0.03795	437157.07	3725008.43	0.03795
437161.12	3724999.94	0.03791	437197.54	3724923.52	0.03524
437201.58	3724915.03	0.03480	437205.63	3724906.53	0.03441
437209.68	3724898.04	0.03395	437115.57	3725472.89	0.03845
437112.48	3725464.14	0.03815	437109.39	3725455.39	0.03783
437106.30	3725446.64	0.03753	437103.21	3725437.89	0.03729
437100.12	3725429.14	0.03705	437097.03	3725420.39	0.03679
437093.94	3725411.64	0.03650	437081.58	3725376.64	0.03508
437078.49	3725367.89	0.03468	437075.40	3725359.13	0.03426
437072.31	3725350.38	0.03391	437069.22	3725341.63	0.03354
437066.13	3725332.88	0.03315	437063.04	3725324.13	0.03277
437059.95	3725315.38	0.03239	437056.86	3725306.63	0.03201
437053.77	3725297.88	0.03163	437050.68	3725289.13	0.03126
437047.59	3725280.38	0.03089	437044.50	3725271.63	0.03053
437041.41	3725262.88	0.03016	437032.14	3725236.63	0.02909
437029.05	3725227.88	0.02875	437029.95	3725210.75	0.02871

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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437033.94	3725202.37	0.02901	437037.93	3725194.00	0.02931
437041.92	3725185.62	0.02962	437045.92	3725177.24	0.02992
437085.84	3725093.47	0.03285	437089.83	3725085.09	0.03311
437093.82	3725076.71	0.03335	437097.81	3725068.33	0.03358
437101.81	3725059.96	0.03380	437105.80	3725051.58	0.03398
437109.79	3725043.20	0.03415	437113.78	3725034.83	0.03429
437117.78	3725026.45	0.03441	437121.77	3725018.07	0.03450
437125.76	3725009.69	0.03456	437129.75	3725001.32	0.03459
437133.74	3724992.94	0.03459	437137.74	3724984.56	0.03456
437141.73	3724976.18	0.03449	437145.72	3724967.81	0.03440
437177.66	3724900.79	0.03240	437181.65	3724892.41	0.03200
437185.64	3724884.03	0.03157	437189.63	3724875.65	0.03111
437086.57	3725474.03	0.03433	437083.45	3725465.18	0.03410
437080.32	3725456.34	0.03389	437077.20	3725447.49	0.03366
437074.08	3725438.65	0.03336	437070.95	3725429.81	0.03305
437067.83	3725420.96	0.03274	437064.71	3725412.12	0.03244
437055.34	3725385.59	0.03153	437052.21	3725376.74	0.03122
437049.09	3725367.90	0.03092	437045.97	3725359.05	0.03065
437042.85	3725350.21	0.03037	437039.72	3725341.37	0.03009
437036.60	3725332.52	0.02981	437024.11	3725297.15	0.02868
437020.98	3725288.30	0.02837	437017.86	3725279.46	0.02805
437014.74	3725270.61	0.02774	437011.61	3725261.77	0.02742
437002.24	3725235.24	0.02648	436999.12	3725226.39	0.02621
437000.03	3725209.08	0.02619	437004.07	3725200.62	0.02645
437008.10	3725192.15	0.02672	437012.14	3725183.68	0.02699
437048.45	3725107.48	0.02913	437052.49	3725099.01	0.02937
437056.52	3725090.55	0.02963	437060.56	3725082.08	0.03002
437064.59	3725073.61	0.03031	437068.62	3725065.14	0.03053
437072.66	3725056.68	0.03074	437076.69	3725048.21	0.03093
437080.73	3725039.74	0.03111	437084.76	3725031.28	0.03127
437088.80	3725022.81	0.03140	437092.83	3725014.34	0.03151
437096.87	3725005.88	0.03160	437100.90	3724997.41	0.03166
437104.94	3724988.94	0.03169	437108.97	3724980.47	0.03170
437113.01	3724972.01	0.03168	437117.04	3724963.54	0.03163
437121.08	3724955.07	0.03155	437125.11	3724946.61	0.03145
437129.15	3724938.14	0.03132	437161.43	3724870.40	0.02925
437165.46	3724861.94	0.02887	437169.50	3724853.47	0.02847
437003.07	3725320.85	0.02655	436999.99	3725312.11	0.02630
436996.90	3725303.37	0.02605	436993.82	3725294.63	0.02580
436990.73	3725285.89	0.02555	436987.64	3725277.15	0.02529

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436984.56	3725268.41	0.02500	436972.21	3725233.45	0.02396
436969.13	3725224.71	0.02381	436970.03	3725207.61	0.02404
436974.01	3725199.24	0.02426	436978.00	3725190.87	0.02449
436981.99	3725182.51	0.02472	437009.90	3725123.94	0.02584
437013.88	3725115.57	0.02594	437017.87	3725107.20	0.02609
437021.86	3725098.84	0.02628	437025.85	3725090.47	0.02648
437029.83	3725082.10	0.02674	437033.82	3725073.73	0.02707
437037.81	3725065.37	0.02740	437041.79	3725057.00	0.02773
437045.78	3725048.63	0.02816	437049.77	3725040.27	0.02841
437053.76	3725031.90	0.02857	437057.74	3725023.53	0.02872
437061.73	3725015.17	0.02885	437065.72	3725006.80	0.02895
437069.71	3724998.43	0.02904	437073.69	3724990.07	0.02911
437077.68	3724981.70	0.02916	437081.67	3724973.33	0.02919
437085.65	3724964.96	0.02919	437089.64	3724956.60	0.02918
437093.63	3724948.23	0.02914	437097.62	3724939.86	0.02907
437101.60	3724931.50	0.02899	437105.59	3724923.13	0.02887
437109.58	3724914.76	0.02874	437137.49	3724856.19	0.02714
437141.47	3724847.83	0.02683	437145.46	3724839.46	0.02650
437149.45	3724831.09	0.02615	437032.68	3725487.94	0.02836
437029.56	3725479.11	0.02813	437026.45	3725470.29	0.02788
437023.33	3725461.47	0.02762	437020.22	3725452.64	0.02737
437017.10	3725443.82	0.02712	437013.98	3725434.99	0.02690
437010.87	3725426.17	0.02668	436998.40	3725390.87	0.02581
436995.29	3725382.05	0.02560	436992.17	3725373.23	0.02538
436989.05	3725364.40	0.02516	436985.94	3725355.58	0.02495
436982.82	3725346.75	0.02474	436979.71	3725337.93	0.02454
436976.59	3725329.11	0.02435	436973.47	3725320.28	0.02414
436970.36	3725311.46	0.02391	436967.24	3725302.63	0.02367
436964.13	3725293.81	0.02342	436961.01	3725284.99	0.02313
436957.89	3725276.16	0.02285	436954.78	3725267.34	0.02258
436945.43	3725240.87	0.02200	436942.31	3725232.04	0.02183
436939.20	3725223.22	0.02168	436940.11	3725205.95	0.02189
436944.13	3725197.50	0.02218	436948.16	3725189.05	0.02249
436952.18	3725180.60	0.02279	436988.41	3725104.57	0.02398
436992.44	3725096.13	0.02410	436996.47	3725087.68	0.02423
437000.49	3725079.23	0.02443	437004.52	3725070.78	0.02466
437008.54	3725062.33	0.02491	437012.57	3725053.89	0.02520
437016.59	3725045.44	0.02556	437020.62	3725036.99	0.02594
437024.65	3725028.54	0.02631	437028.67	3725020.10	0.02644
437032.70	3725011.65	0.02657	437036.72	3725003.20	0.02668

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437040.75	3724994.75	0.02677	437044.77	3724986.30	0.02685
437048.80	3724977.86	0.02691	437052.83	3724969.41	0.02695
437056.85	3724960.96	0.02698	437060.88	3724952.51	0.02700
437064.90	3724944.06	0.02699	437068.93	3724935.62	0.02697
437072.95	3724927.17	0.02692	437076.98	3724918.72	0.02685
437081.01	3724910.27	0.02677	437085.03	3724901.83	0.02666
437089.06	3724893.38	0.02653	437093.08	3724884.93	0.02638
437117.24	3724834.24	0.02503	437121.26	3724825.80	0.02475
437125.29	3724817.35	0.02444	437129.31	3724808.90	0.02413
436993.23	3725487.24	0.02481	436990.10	3725478.37	0.02458
436986.97	3725469.50	0.02436	436983.83	3725460.63	0.02417
436980.70	3725451.76	0.02398	436977.57	3725442.89	0.02380
436974.44	3725434.02	0.02362	436965.04	3725407.41	0.02313
436961.91	3725398.54	0.02295	436946.25	3725354.20	0.02213
436943.12	3725345.33	0.02197	436939.98	3725336.46	0.02181
436936.85	3725327.59	0.02165	436933.72	3725318.72	0.02145
436930.59	3725309.85	0.02124	436927.46	3725300.98	0.02103
436924.32	3725292.11	0.02081	436921.19	3725283.24	0.02058
436918.06	3725274.38	0.02037	436914.93	3725265.51	0.02016
436905.53	3725238.90	0.01971	436902.40	3725230.03	0.01958
436899.27	3725221.16	0.01945	436900.18	3725203.80	0.01955
436904.23	3725195.31	0.01976	436908.27	3725186.82	0.01998
436912.32	3725178.33	0.02020	436948.74	3725101.91	0.02148
436952.78	3725093.42	0.02164	436956.83	3725084.92	0.02180
436960.88	3725076.43	0.02192	436964.92	3725067.94	0.02202
436968.97	3725059.45	0.02214	436973.02	3725050.96	0.02235
436977.06	3725042.47	0.02261	436981.11	3725033.98	0.02289
436985.16	3725025.49	0.02317	436989.20	3725017.00	0.02334
436993.25	3725008.50	0.02349	436997.29	3725000.01	0.02363
437001.34	3724991.52	0.02367	437005.39	3724983.03	0.02364
437009.43	3724974.54	0.02359	437013.48	3724966.05	0.02354
437017.53	3724957.56	0.02362	437021.57	3724949.07	0.02371
437025.62	3724940.58	0.02381	437029.67	3724932.08	0.02397
437033.71	3724923.59	0.02420	437037.76	3724915.10	0.02441
437041.80	3724906.61	0.02445	437045.85	3724898.12	0.02440
437049.90	3724889.63	0.02433	437053.94	3724881.14	0.02424
437057.99	3724872.65	0.02413	437062.04	3724864.15	0.02400
437066.08	3724855.66	0.02386	437070.13	3724847.17	0.02369
437090.36	3724804.72	0.02264	437094.41	3724796.23	0.02238
437098.45	3724787.73	0.02212	437102.50	3724779.24	0.02183

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436956.87	3725495.29	0.02201	436953.73	3725486.38	0.02184
436950.58	3725477.47	0.02167	436947.43	3725468.56	0.02153
436944.29	3725459.65	0.02140	436941.14	3725450.74	0.02127
436938.00	3725441.83	0.02113	436925.41	3725406.20	0.02058
436922.26	3725397.29	0.02047	436919.12	3725388.38	0.02036
436915.97	3725379.47	0.02024	436912.82	3725370.56	0.02012
436887.65	3725299.28	0.01884	436884.51	3725290.37	0.01867
436881.36	3725281.46	0.01849	436878.22	3725272.55	0.01832
436865.63	3725236.92	0.01784	436862.48	3725228.01	0.01776
436859.34	3725219.10	0.01769	436860.26	3725201.66	0.01783
436864.32	3725193.13	0.01800	436868.39	3725184.60	0.01819
436900.90	3725116.36	0.01910	436904.97	3725107.83	0.01920
436909.03	3725099.30	0.01930	436913.10	3725090.77	0.01941
436917.16	3725082.24	0.01953	436921.23	3725073.71	0.01965
436925.29	3725065.18	0.01977	436929.36	3725056.65	0.01989
436933.42	3725048.12	0.02006	436937.49	3725039.59	0.02023
436941.55	3725031.06	0.02042	436945.62	3725022.53	0.02062
436949.68	3725014.00	0.02083	436953.74	3725005.47	0.02103
436957.81	3724996.94	0.02122	436961.87	3724988.41	0.02127
436965.94	3724979.88	0.02127	436970.00	3724971.36	0.02127
436974.07	3724962.83	0.02129	436978.13	3724954.30	0.02134
436982.20	3724945.77	0.02138	436986.26	3724937.24	0.02141
436990.33	3724928.71	0.02165	436994.39	3724920.18	0.02194
436998.46	3724911.65	0.02226	437002.52	3724903.12	0.02245
437006.59	3724894.59	0.02243	437010.65	3724886.06	0.02239
437014.72	3724877.53	0.02234	437018.78	3724869.00	0.02227
437022.85	3724860.47	0.02219	437026.91	3724851.94	0.02210
437059.43	3724783.70	0.02086	437063.49	3724775.17	0.02064
437067.56	3724766.64	0.02042	437071.62	3724758.11	0.02017
437075.69	3724749.58	0.01992	436918.73	3725498.29	0.01985
436915.62	3725489.49	0.01970	436912.52	3725480.70	0.01956
436909.41	3725471.90	0.01942	436906.31	3725463.11	0.01930
436903.20	3725454.32	0.01918	436900.10	3725445.52	0.01906
436893.88	3725427.93	0.01886	436890.78	3725419.14	0.01876
436887.67	3725410.35	0.01866	436884.57	3725401.55	0.01857
436881.46	3725392.76	0.01847	436878.36	3725383.96	0.01837
436875.25	3725375.17	0.01825	436872.15	3725366.38	0.01813
436869.04	3725357.58	0.01802	436865.94	3725348.79	0.01789
436862.83	3725339.99	0.01776	436859.72	3725331.20	0.01763
436856.62	3725322.41	0.01750	436853.51	3725313.61	0.01737

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436850.41	3725304.82	0.01724	436847.30	3725296.02	0.01711
436844.20	3725287.23	0.01698	436841.09	3725278.44	0.01685
436837.99	3725269.64	0.01673	436828.67	3725243.26	0.01639
436825.56	3725234.47	0.01629	436822.46	3725225.67	0.01621
436819.35	3725216.88	0.01613	436820.26	3725199.66	0.01619
436824.27	3725191.25	0.01634	436828.28	3725182.83	0.01649
436876.43	3725081.80	0.01772	436880.44	3725073.38	0.01783
436884.45	3725064.96	0.01794	436888.46	3725056.54	0.01805
436892.48	3725048.12	0.01817	437032.90	3724753.45	0.01912
437036.91	3724745.03	0.01893	437040.92	3724736.61	0.01873
437044.93	3724728.19	0.01852	437048.95	3724719.77	0.01830
436848.05	3725409.15	0.01695	436844.93	3725400.32	0.01686
436841.81	3725391.48	0.01676	436838.69	3725382.65	0.01667
436835.57	3725373.82	0.01659	436832.45	3725364.98	0.01650
436829.33	3725356.15	0.01642	436826.21	3725347.32	0.01632
436823.09	3725338.48	0.01622	436819.97	3725329.65	0.01612
436816.85	3725320.81	0.01601	436813.74	3725311.98	0.01590
436810.62	3725303.15	0.01578	436807.50	3725294.31	0.01567
436804.38	3725285.48	0.01557	436801.26	3725276.65	0.01548
436798.14	3725267.81	0.01538	436795.02	3725258.98	0.01529
436791.90	3725250.15	0.01520	436788.78	3725241.31	0.01512
436785.66	3725232.48	0.01504	436782.54	3725223.65	0.01495
436779.42	3725214.81	0.01487	436780.33	3725197.52	0.01488
436816.60	3725121.41	0.01584	436820.63	3725112.95	0.01593
436824.66	3725104.50	0.01599	436828.69	3725096.04	0.01605
436832.72	3725087.58	0.01611	436836.75	3725079.13	0.01621
436840.78	3725070.67	0.01632	436844.81	3725062.21	0.01643
436848.84	3725053.76	0.01654	437010.04	3724715.48	0.01747
437014.07	3724707.02	0.01729	437018.10	3724698.57	0.01711
437022.13	3724690.11	0.01691	436845.98	3725514.30	0.01659
436842.85	3725505.43	0.01649	436839.72	3725496.56	0.01639
436836.58	3725487.69	0.01629	436833.45	3725478.82	0.01619
436830.32	3725469.95	0.01610	436824.06	3725452.21	0.01591
436789.60	3725354.65	0.01514	436786.47	3725345.78	0.01506
436783.34	3725336.91	0.01498	436780.21	3725328.05	0.01489
436777.07	3725319.18	0.01479	436773.94	3725310.31	0.01469
436770.81	3725301.44	0.01458	436767.68	3725292.57	0.01448
436764.55	3725283.70	0.01439	436761.41	3725274.83	0.01430
436758.28	3725265.96	0.01421	436755.15	3725257.09	0.01412
436752.02	3725248.22	0.01404	436748.89	3725239.35	0.01395

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436745.75	3725230.48	0.01387	436742.62	3725221.62	0.01379
436739.49	3725212.75	0.01370	436740.40	3725195.39	0.01370
436772.77	3725127.46	0.01446	436776.82	3725118.97	0.01457
436780.87	3725110.47	0.01468	436784.91	3725101.98	0.01478
436788.96	3725093.49	0.01487	436793.01	3725085.00	0.01496
436797.05	3725076.51	0.01504	436801.10	3725068.02	0.01513
436805.15	3725059.53	0.01522	436809.19	3725051.04	0.01533
436813.24	3725042.55	0.01545	436817.28	3725034.05	0.01557
436787.58	3725459.93	0.01483	436784.43	3725451.02	0.01479
436781.29	3725442.12	0.01474	436753.00	3725362.01	0.01424
436749.85	3725353.10	0.01414	436746.71	3725344.20	0.01404
436743.57	3725335.30	0.01394	436740.42	3725326.40	0.01385
436737.28	3725317.50	0.01375	436734.14	3725308.59	0.01364
436730.99	3725299.69	0.01354	436727.85	3725290.79	0.01344
436724.70	3725281.89	0.01335	436721.56	3725272.99	0.01326
436718.42	3725264.09	0.01318	436715.27	3725255.18	0.01311
436712.13	3725246.28	0.01304	436708.99	3725237.38	0.01297
436705.84	3725228.48	0.01289	436702.70	3725219.58	0.01282
436699.56	3725210.67	0.01274	436700.47	3725193.25	0.01275
436728.90	3725133.59	0.01336	436732.96	3725125.07	0.01345
436737.02	3725116.55	0.01353	436741.09	3725108.03	0.01367
436745.15	3725099.50	0.01381	436749.21	3725090.98	0.01395
436753.27	3725082.46	0.01406	436757.33	3725073.94	0.01414
436759.11	3725490.32	0.01414	436756.00	3725481.51	0.01410
436752.89	3725472.70	0.01407	436749.78	3725463.90	0.01406
436746.67	3725455.09	0.01405	436743.56	3725446.28	0.01405
436740.45	3725437.47	0.01401	436737.34	3725428.67	0.01397
436712.45	3725358.21	0.01329	436709.34	3725349.40	0.01320
436706.23	3725340.59	0.01311	436703.12	3725331.78	0.01302
436700.01	3725322.98	0.01293	436696.90	3725314.17	0.01283
436693.79	3725305.36	0.01274	436690.68	3725296.55	0.01264
436687.57	3725287.75	0.01256	436684.46	3725278.94	0.01249
436681.35	3725270.13	0.01241	436678.24	3725261.32	0.01234
436675.13	3725252.52	0.01228	436672.02	3725243.71	0.01221
436688.61	3725132.21	0.01254	436692.63	3725123.78	0.01263
436696.65	3725115.35	0.01271	436700.67	3725106.92	0.01280
436704.69	3725098.48	0.01291	436708.71	3725090.05	0.01304
436712.72	3725081.62	0.01318	436788.21	3725683.75	0.01530
436785.09	3725674.91	0.01519	436781.97	3725666.07	0.01509
436778.85	3725657.23	0.01499	436772.61	3725639.55	0.01466

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436769.48	3725630.71	0.01452	436766.36	3725621.87	0.01442
436763.24	3725613.03	0.01434	436760.12	3725604.19	0.01427
436757.00	3725595.35	0.01419	436753.88	3725586.51	0.01410
436750.75	3725577.67	0.01402	436747.63	3725568.83	0.01394
436744.51	3725559.99	0.01386	436741.39	3725551.15	0.01379
436716.42	3725480.43	0.01341	436713.29	3725471.59	0.01340
436710.17	3725462.75	0.01339	436707.05	3725453.91	0.01338
436703.93	3725445.08	0.01339	436700.81	3725436.24	0.01338
436697.69	3725427.40	0.01337	436694.56	3725418.56	0.01334
436691.44	3725409.72	0.01323	436632.13	3725241.76	0.01148
436664.92	3725096.01	0.01201	436764.50	3725727.61	0.01450
436761.37	3725718.74	0.01449	436758.24	3725709.87	0.01448
436755.11	3725701.01	0.01448	436751.98	3725692.14	0.01448
436748.84	3725683.27	0.01441	436745.71	3725674.40	0.01429
436742.58	3725665.53	0.01415	436739.45	3725656.66	0.01402
436736.31	3725647.79	0.01392	436733.18	3725638.92	0.01382
436730.05	3725630.05	0.01373	436726.92	3725621.18	0.01365
436723.79	3725612.31	0.01357	436720.65	3725603.44	0.01351
436717.52	3725594.58	0.01344	436714.39	3725585.71	0.01335
436711.26	3725576.84	0.01326	436708.13	3725567.97	0.01317
436704.99	3725559.10	0.01310	436701.86	3725550.23	0.01302
436698.73	3725541.36	0.01294	436695.60	3725532.49	0.01287
436670.54	3725461.54	0.01276	436667.41	3725452.67	0.01271
436664.28	3725443.80	0.01265	436661.14	3725434.93	0.01260
436658.01	3725426.06	0.01254	436654.88	3725417.19	0.01249
436595.37	3725248.68	0.01093	436592.24	3725239.81	0.01088
436589.11	3725230.94	0.01086	436585.97	3725222.07	0.01087
436582.84	3725213.20	0.01091	436725.14	3725727.15	0.01366
436722.00	3725718.26	0.01367	436718.86	3725709.36	0.01363
436715.71	3725700.46	0.01357	436712.57	3725691.57	0.01350
436709.43	3725682.67	0.01343	436706.29	3725673.77	0.01337
436703.15	3725664.88	0.01330	436700.00	3725655.98	0.01321
436696.86	3725647.08	0.01314	436693.72	3725638.19	0.01308
436690.58	3725629.29	0.01303	436687.44	3725620.39	0.01297
436684.30	3725611.50	0.01291	436681.15	3725602.60	0.01285
436678.01	3725593.70	0.01279	436674.87	3725584.81	0.01270
436671.73	3725575.91	0.01258	436668.59	3725567.01	0.01247
436665.45	3725558.12	0.01240	436662.30	3725549.22	0.01235
436659.16	3725540.32	0.01231	436656.02	3725531.43	0.01229
436652.88	3725522.53	0.01230	436561.77	3725264.53	0.01050

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436558.63	3725255.63	0.01045	436555.48	3725246.74	0.01040
436552.34	3725237.84	0.01035	436549.20	3725228.94	0.01036
437547.78	3725319.47	2.38432	437559.60	3725332.51	2.93049
437528.56	3725313.16	1.49092	437540.37	3725326.19	1.87597
437552.19	3725339.22	2.28303	437509.34	3725306.84	0.98676
437521.15	3725319.87	1.23332	437532.97	3725332.91	1.52086
437544.78	3725345.94	1.82965	437501.93	3725313.56	0.84999
437513.74	3725326.59	1.04060	437525.56	3725339.62	1.26156
437537.37	3725352.65	1.50003	437494.52	3725320.27	0.74264
437506.33	3725333.30	0.89242	437518.15	3725346.34	1.06602
437529.96	3725359.37	1.25336	437498.92	3725340.02	0.77542
437510.74	3725353.05	0.91417	437522.55	3725366.09	1.06587
437491.52	3725346.74	0.68285	437503.33	3725359.77	0.79427
437515.14	3725372.80	0.91813	437464.88	3725347.14	0.46815
437476.70	3725360.17	0.53871	437488.51	3725373.20	0.61663
437500.32	3725386.23	0.70040	437450.07	3725360.57	0.38186
437441.05	3725439.96	0.29216	437414.42	3725440.36	0.22592
437426.23	3725453.39	0.24424	437399.60	3725453.79	0.19259
437411.41	3725466.82	0.20641	437384.78	3725467.22	0.16633
437486.28	3725362.89	0.61246	437290.67	3725439.42	0.09149
436672.49	3725697.81	0.01261	437557.55	3725323.22	3.04578
436768.54	3725455.37	0.01444	436729.09	3725461.98	0.01371
436689.64	3725468.59	0.01298	437438.22	3725332.10	0.33723
437418.09	3725327.95	0.26283	437118.36	3725341.55	0.04038
437058.25	3725338.58	0.03223	436998.27	3725340.35	0.02605
436958.29	3725341.53	0.02298	436918.31	3725342.72	0.02050
436878.32	3725343.90	0.01844	436838.34	3725345.08	0.01678
436798.36	3725346.26	0.01540	436758.38	3725347.44	0.01433
436718.39	3725348.62	0.01338	436678.41	3725349.80	0.01264
437334.03	3725234.42	0.11867	437312.59	3725235.11	0.10071
437286.87	3725217.82	0.08338	437230.27	3725197.90	0.05956
436994.45	3725114.89	0.02456	437626.04	3725373.73	8.19196
437633.43	3725380.01	8.54338	437640.82	3725386.29	8.80851
437648.21	3725392.57	9.01216	437655.60	3725398.85	9.14335
437662.98	3725405.13	9.15078	437670.37	3725411.41	9.03145
437619.56	3725381.35	6.13083	437626.95	3725387.63	6.40572
437634.34	3725393.91	6.63894	437641.73	3725400.19	6.80531
437649.12	3725406.47	6.89900	437656.51	3725412.75	6.93749
437663.90	3725419.03	6.88996	437613.09	3725388.97	4.74020
437620.48	3725395.25	4.96691	437627.87	3725401.53	5.15451

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437635.25	3725407.81	5.29696	437642.64	3725414.09	5.39108
437650.03	3725420.37	5.43589	437657.42	3725426.65	5.43219
437599.22	3725390.31	3.56942	437606.61	3725396.59	3.77173
437614.00	3725402.87	3.95339	437621.39	3725409.15	4.10908
437628.78	3725415.43	4.23272	437636.17	3725421.71	4.32185
437643.56	3725427.99	4.37550	437650.95	3725434.27	4.39047
437551.27	3725354.02	1.98537	437592.75	3725397.93	2.89829
437600.14	3725404.21	3.06157	437607.52	3725410.49	3.20947
437614.91	3725416.77	3.33930	437622.30	3725423.05	3.44597
437629.69	3725429.33	3.52813	437637.08	3725435.61	3.58414
437644.47	3725441.89	3.61141	437593.66	3725411.83	2.52474
437601.05	3725418.11	2.64745	437608.44	3725424.39	2.75618
437615.83	3725430.67	2.84880	437623.22	3725436.95	2.92331
437630.60	3725443.23	2.97789	437637.99	3725449.51	3.01145
437545.79	3725381.03	1.47255	437536.89	3725367.00	1.36851
437587.18	3725419.45	2.11049	437594.57	3725425.73	2.21279
437601.96	3725432.01	2.30511	437609.35	3725438.29	2.38546
437616.74	3725444.57	2.45218	437624.13	3725450.85	2.50440
437631.52	3725457.13	2.54030	437538.68	3725387.65	1.25065
437533.59	3725379.63	1.20234	437532.52	3725395.77	1.08229
437522.99	3725380.74	1.00542	437517.19	3725389.43	0.88452
437480.39	3725348.23	0.57873	437584.36	3725482.67	1.16580
437591.75	3725488.95	1.19822	437599.14	3725495.23	1.22636
437460.76	3725362.01	0.43509	437504.91	3725441.39	0.59824
437512.29	3725447.67	0.63448	437519.68	3725453.95	0.67118
437527.07	3725460.23	0.70791	437571.41	3725497.91	0.90751
437578.80	3725504.19	0.93348	437586.19	3725510.47	0.95676
437486.87	3725448.61	0.47338	437441.47	3725366.97	0.34135
437491.95	3725456.63	0.48532	437499.34	3725462.91	0.51258
437506.73	3725469.19	0.54007	437514.12	3725475.47	0.56765
437521.51	3725481.75	0.59500	437558.46	3725513.15	0.72135
437565.84	3725519.43	0.74240	437573.23	3725525.71	0.76174
437464.70	3725449.32	0.37310	437423.13	3725346.10	0.27493
437486.39	3725478.15	0.42145	437493.78	3725484.43	0.44261
437501.17	3725490.71	0.46367	437508.56	3725496.99	0.48465
437545.50	3725528.39	0.58329	437552.89	3725534.67	0.60047
437560.28	3725540.95	0.61644	437456.27	3725471.69	0.31108
437451.38	3725463.98	0.30363	437446.49	3725456.27	0.29581
437473.44	3725493.39	0.34140	437480.83	3725499.67	0.35760
437488.22	3725505.95	0.37387	437443.11	3725486.60	0.25908

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437438.12	3725478.72	0.25278	437433.12	3725470.85	0.24733
437428.13	3725462.98	0.24187	437414.72	3725477.50	0.20641
437327.33	3725352.42	0.10886	437306.31	3725403.62	0.10000
437310.15	3725300.64	0.09895	437311.95	3725475.93	0.10103
437306.96	3725468.05	0.09904	437301.97	3725460.18	0.09689
437296.97	3725452.31	0.09458	437277.69	3725402.17	0.08566
437280.47	3725327.64	0.08223	437282.85	3725483.54	0.08659
437277.88	3725475.69	0.08511	437272.91	3725467.85	0.08317
437267.93	3725460.01	0.08124	437249.08	3725400.80	0.07460
437244.90	3725477.18	0.07106	437220.15	3725407.56	0.06391
437223.03	3725330.48	0.06498	437223.39	3725320.84	0.06497
437223.74	3725311.21	0.06491	437226.97	3725224.50	0.05989
437227.33	3725214.86	0.05959	437191.54	3725405.98	0.05546
437191.90	3725396.40	0.05563	437194.40	3725329.36	0.05634
437194.76	3725319.78	0.05636	437195.11	3725310.20	0.05635
437198.32	3725224.00	0.05403	437198.68	3725214.42	0.05337
437199.04	3725204.84	0.05281	437162.93	3725404.47	0.04861
437163.29	3725394.94	0.04875	437168.26	3725261.54	0.04907
437169.68	3725223.42	0.04850	437170.03	3725213.89	0.04832
437170.39	3725204.36	0.04812	437170.74	3725194.83	0.04793
437133.96	3725412.51	0.04289	437134.32	3725403.03	0.04301
437136.79	3725336.62	0.04353	437137.14	3725327.13	0.04355
437137.50	3725317.64	0.04358	437139.62	3725260.72	0.04342
437141.03	3725222.78	0.04303	437141.38	3725213.29	0.04290
437141.74	3725203.80	0.04276	437142.09	3725194.32	0.04262
437105.35	3725411.07	0.03826	437108.16	3725335.48	0.03877
437108.52	3725326.03	0.03879	437108.87	3725316.58	0.03881
437110.98	3725259.88	0.03868	437112.39	3725222.08	0.03841
437113.09	3725203.18	0.03823	437113.44	3725193.73	0.03813
437076.73	3725409.68	0.03409	437079.19	3725343.76	0.03476
437079.54	3725334.35	0.03479	437079.89	3725324.93	0.03481
437080.24	3725315.51	0.03482	437081.99	3725268.43	0.03475
437083.75	3725221.34	0.03453	437084.45	3725202.51	0.03440
437084.80	3725193.09	0.03433	437085.15	3725183.67	0.03425
437051.07	3725328.93	0.03145	437051.43	3725319.27	0.03147
437053.59	3725261.34	0.03141	437056.10	3725193.74	0.03110
437056.46	3725184.09	0.03104	437016.71	3725481.64	0.02693
437017.07	3725472.02	0.02700	437024.59	3725270.11	0.02861
437027.46	3725193.19	0.02835	437027.81	3725183.58	0.02831
436978.09	3725492.20	0.02356	436978.44	3725482.72	0.02361

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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436981.62	3725397.34	0.02440	436981.98	3725387.85	0.02448
436982.33	3725378.36	0.02456	436984.45	3725321.44	0.02496
436984.81	3725311.96	0.02501	436985.16	3725302.47	0.02505
436987.63	3725236.06	0.02517	436987.99	3725226.58	0.02528
436988.34	3725217.09	0.02535	436988.69	3725207.60	0.02533
436989.05	3725198.12	0.02531	436989.40	3725188.63	0.02528
436939.48	3725502.53	0.02097	436939.84	3725492.93	0.02101
436940.20	3725483.33	0.02105	436943.06	3725406.53	0.02164
436943.41	3725396.93	0.02172	436943.77	3725387.33	0.02180
436944.13	3725377.73	0.02188	436946.28	3725320.13	0.02225
436946.63	3725310.53	0.02226	436946.99	3725300.93	0.02226
436947.35	3725291.33	0.02224	436947.71	3725281.74	0.02220
436949.85	3725224.14	0.02241	436950.21	3725214.54	0.02252
436950.57	3725204.94	0.02264	436908.99	3725294.88	0.01993
436909.34	3725285.40	0.01992	436911.46	3725228.48	0.02005
436911.82	3725218.99	0.02011	436912.17	3725209.50	0.02017
436912.52	3725200.01	0.02021	436915.71	3725114.63	0.01980
436916.06	3725105.15	0.01971	436862.61	3725513.82	0.01722
436862.96	3725504.24	0.01725	436863.32	3725494.65	0.01728
436863.68	3725485.06	0.01731	436866.54	3725408.36	0.01772
436866.89	3725398.77	0.01778	436867.25	3725389.18	0.01785
436869.39	3725331.66	0.01803	436869.75	3725322.07	0.01804
436870.11	3725312.48	0.01805	436870.47	3725302.90	0.01805
436870.82	3725293.31	0.01805	436871.18	3725283.72	0.01803
436873.32	3725226.20	0.01824	436873.68	3725216.61	0.01832
436874.04	3725207.02	0.01840	436874.39	3725197.43	0.01843
436824.36	3725514.39	0.01584	436824.72	3725504.71	0.01586
436825.08	3725495.03	0.01588	436825.44	3725485.35	0.01591
436828.33	3725407.91	0.01621	436828.69	3725398.23	0.01626
436829.05	3725388.55	0.01630	436831.21	3725330.47	0.01653
436831.57	3725320.79	0.01654	436831.93	3725311.11	0.01655
436832.29	3725301.43	0.01655	436832.66	3725291.75	0.01656
436834.82	3725233.67	0.01662	436835.18	3725223.99	0.01670
436835.54	3725214.30	0.01678	436835.90	3725204.62	0.01685
436836.26	3725194.94	0.01685	436838.79	3725127.18	0.01664
436839.15	3725117.50	0.01659	436839.51	3725107.82	0.01651
436839.87	3725098.14	0.01643	436792.87	3725333.58	0.01525
436793.23	3725324.00	0.01526	436793.58	3725314.42	0.01526
436793.94	3725304.85	0.01526	436794.30	3725295.27	0.01526
436794.66	3725285.69	0.01527	436796.80	3725228.22	0.01537

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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436797.15	3725218.64	0.01539	436797.51	3725209.07	0.01541
436797.87	3725199.49	0.01541	436800.72	3725122.87	0.01532
436801.08	3725113.29	0.01530	436801.43	3725103.71	0.01527
436801.79	3725094.13	0.01523	436802.15	3725084.55	0.01520
436771.94	3725605.14	0.01451	436766.76	3725596.97	0.01439
436750.73	3725438.70	0.01419	436751.09	3725429.03	0.01421
436754.69	3725332.41	0.01422	436755.05	3725322.75	0.01421
436755.41	3725313.09	0.01419	436755.77	3725303.42	0.01418
436756.13	3725293.76	0.01417	436758.29	3725235.79	0.01422
436758.65	3725226.12	0.01423	436759.01	3725216.46	0.01424
436759.37	3725206.80	0.01426	436759.73	3725197.14	0.01424
436762.25	3725129.50	0.01417	436762.61	3725119.84	0.01417
436762.97	3725110.18	0.01420	436763.33	3725100.51	0.01423
436763.69	3725090.85	0.01426	436764.05	3725081.19	0.01428
436779.24	3725687.97	0.01508	436774.11	3725679.88	0.01495
436768.98	3725671.79	0.01480	436763.85	3725663.71	0.01463
436758.72	3725655.62	0.01446	436753.59	3725647.53	0.01429
436748.47	3725639.44	0.01414	436743.34	3725631.36	0.01400
436738.21	3725623.27	0.01387	436712.43	3725440.77	0.01354
436712.78	3725431.20	0.01358	436713.14	3725421.63	0.01361
436716.35	3725335.50	0.01331	436716.70	3725325.93	0.01329
436717.06	3725316.36	0.01327	436717.42	3725306.79	0.01324
436717.77	3725297.22	0.01322	436719.91	3725239.80	0.01322
436720.27	3725230.23	0.01322	436720.63	3725220.66	0.01322
436720.98	3725211.09	0.01322	436721.34	3725201.52	0.01322
436721.70	3725191.95	0.01322	436724.55	3725115.39	0.01326
436724.90	3725105.82	0.01333	436725.26	3725096.25	0.01340
436725.62	3725086.68	0.01348	436751.55	3725715.63	0.01429
436746.38	3725707.48	0.01424	436741.21	3725699.32	0.01419
436736.03	3725691.17	0.01407	436730.86	3725683.02	0.01395
436725.69	3725674.86	0.01383	436720.52	3725666.71	0.01368
436715.35	3725658.56	0.01353	436710.18	3725650.40	0.01340
436705.01	3725642.25	0.01328	436670.62	3725536.94	0.01247
436670.98	3725527.30	0.01250	436674.21	3725440.47	0.01287
436674.57	3725430.82	0.01288	436674.93	3725421.17	0.01290
436675.29	3725411.53	0.01292	436678.17	3725334.35	0.01256
436678.52	3725324.70	0.01252	436678.88	3725315.05	0.01249
436679.24	3725305.40	0.01246	436679.60	3725295.76	0.01243
436681.76	3725237.87	0.01239	436682.12	3725228.22	0.01239
436682.48	3725218.58	0.01239	436682.84	3725208.93	0.01239

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436683.20	3725199.28	0.01240	436686.43	3725112.45	0.01251
436686.79	3725102.81	0.01251	436687.15	3725093.16	0.01251
436712.21	3725724.93	0.01344	436707.08	3725716.84	0.01335
436701.96	3725708.76	0.01324	436696.83	3725700.68	0.01313
436691.71	3725692.60	0.01302	436686.58	3725684.52	0.01292
436681.46	3725676.43	0.01281	436676.33	3725668.35	0.01270
436671.21	3725660.27	0.01260	436666.08	3725652.19	0.01250
436660.96	3725644.11	0.01240	436655.83	3725636.03	0.01230
436650.71	3725627.94	0.01220	436645.58	3725619.86	0.01211
436640.46	3725611.78	0.01202	436635.33	3725603.70	0.01193
436630.56	3725586.05	0.01183	436630.92	3725576.49	0.01182
436631.27	3725566.93	0.01181	436631.63	3725557.36	0.01185
436631.99	3725547.80	0.01190	436632.34	3725538.24	0.01192
436632.70	3725528.67	0.01193	436633.06	3725519.11	0.01195
436633.41	3725509.55	0.01196	436643.39	3725241.78	0.01168
437682.24	3725420.92	8.61050	437675.98	3725428.73	6.67258
437669.73	3725436.53	5.33107	437663.47	3725444.33	4.35390
437657.22	3725452.13	3.61423	437645.14	3725455.27	3.03405
437638.89	3725463.07	2.56830	437607.62	3725502.09	1.25627
437595.11	3725517.69	0.98380	437582.60	3725533.30	0.78559
437570.09	3725548.91	0.63701	437631.42	3725680.97	0.38238
437617.33	3725676.34	0.36919	437603.23	3725671.71	0.35431
437660.98	3725710.11	0.36028	437646.85	3725705.47	0.34988
437632.72	3725700.83	0.34034	437618.59	3725696.19	0.32969
437604.46	3725691.55	0.31641	437590.33	3725686.91	0.30184
437576.20	3725682.26	0.28856	437578.03	3725712.02	0.25162
437563.86	3725707.36	0.24007	437549.69	3725702.71	0.22684
437721.99	3725788.47	0.27966	437707.78	3725783.80	0.27651
437693.58	3725779.13	0.27244	437752.28	3725821.98	0.25331
437738.48	3725823.04	0.24315	437724.25	3725818.36	0.23952
437710.01	3725813.69	0.23552	437695.78	3725809.01	0.23269
437681.54	3725804.33	0.22942	437553.43	3725762.24	0.17743
437539.19	3725757.57	0.16937	437524.96	3725752.89	0.16141
437774.66	3725841.66	0.24365	437761.28	3725848.47	0.22976
437740.78	3725852.95	0.21422	437726.52	3725848.26	0.21030
437598.17	3725806.10	0.17409	437583.91	3725801.41	0.16927
437569.65	3725796.73	0.16391	437555.39	3725792.04	0.15809
437541.13	3725787.36	0.15156	437526.87	3725782.67	0.14494
437810.49	3725854.48	0.24715	437797.10	3725861.31	0.23475
437783.70	3725868.14	0.22281	437770.31	3725874.96	0.21168

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437614.53	3725840.62	0.15611	437600.24	3725835.93	0.15278
437557.40	3725821.86	0.14115	437833.00	3725874.10	0.23606
437819.59	3725880.94	0.22580	437806.17	3725887.77	0.21550
437792.76	3725894.61	0.20566	437645.25	3725879.87	0.14682
437630.95	3725875.17	0.14272	437616.65	3725870.47	0.13883
437602.35	3725865.78	0.13558	437855.54	3725893.70	0.22233
437842.12	3725900.54	0.21454	437828.69	3725907.39	0.20635
437815.26	3725914.23	0.19750	437801.83	3725921.07	0.18902
437788.40	3725927.91	0.18054	437690.39	3725923.85	0.14693
437676.07	3725919.15	0.14300	437878.12	3725913.28	0.20923
437864.68	3725920.13	0.20236	437851.24	3725926.98	0.19529
437837.79	3725933.83	0.18797	437824.35	3725940.68	0.18048
437810.90	3725947.53	0.17306	437797.46	3725954.38	0.16574
437735.63	3725967.87	0.14268	437721.29	3725963.16	0.14014
437706.96	3725958.45	0.13745	437692.62	3725953.74	0.13436
437678.29	3725949.03	0.13107	437663.95	3725944.32	0.12745
437649.62	3725939.61	0.12374	437846.90	3725960.27	0.17229
437833.45	3725967.13	0.16548	437819.99	3725973.99	0.15892
437723.56	3725993.06	0.12796	437709.22	3725988.35	0.12564
437694.87	3725983.63	0.12335	437680.52	3725978.92	0.12077
437666.17	3725974.21	0.11729	437651.82	3725969.49	0.11385
437637.47	3725964.78	0.11078	437623.13	3725960.06	0.10760
437802.15	3726014.17	0.13444	437788.68	3726021.03	0.12894
437775.21	3726027.89	0.12343	437697.12	3726013.53	0.11344
437682.76	3726008.81	0.11142	437668.40	3726004.09	0.10850
437654.04	3725999.37	0.10530	437953.56	3725978.46	0.16998
437940.08	3725985.33	0.16707	437926.60	3725992.20	0.16394
437913.12	3725999.07	0.15978	437899.64	3726005.94	0.15476
437805.26	3726054.03	0.11818	437791.78	3726060.90	0.11303
437778.30	3726067.77	0.10790	437983.80	3726004.50	0.15457
437970.30	3726011.38	0.15239	437956.81	3726018.25	0.14996
437943.31	3726025.13	0.14736	437929.82	3726032.01	0.14445
437916.33	3726038.88	0.14108	437902.83	3726045.76	0.13700
437889.34	3726052.63	0.13305	438014.05	3726030.53	0.14086
438000.55	3726037.41	0.13938	437987.04	3726044.30	0.13784
437973.54	3726051.18	0.13601	437960.03	3726058.06	0.13379
437946.53	3726064.94	0.13139	437933.02	3726071.82	0.12886
437919.52	3726078.70	0.12626	437906.01	3726085.58	0.12287
437677.36	3726123.65	0.07638	437662.96	3726118.92	0.07493
437648.56	3726114.19	0.07351	437634.16	3726109.46	0.07196

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438044.33	3726056.55	0.12914	438030.82	3726063.44	0.12768
438017.30	3726070.32	0.12640	438003.79	3726077.21	0.12501
437990.27	3726084.10	0.12370	437976.76	3726090.98	0.12216
437963.25	3726097.87	0.12022	437949.73	3726104.76	0.11823
437936.22	3726111.64	0.11587	437922.70	3726118.53	0.11341
437909.19	3726125.42	0.11076	437895.67	3726132.30	0.10802
437882.16	3726139.19	0.10494	437665.96	3726158.78	0.06964
437651.55	3726154.04	0.06791	437637.14	3726149.31	0.06631
437622.73	3726144.57	0.06475	438074.63	3726082.56	0.12138
438061.11	3726089.45	0.11944	438047.58	3726096.34	0.11744
438034.06	3726103.23	0.11570	438020.54	3726110.13	0.11441
438007.01	3726117.02	0.11300	437993.49	3726123.91	0.11169
437979.97	3726130.80	0.11028	437966.44	3726137.69	0.10865
437952.92	3726144.58	0.10693	437939.39	3726151.47	0.10486
437925.87	3726158.36	0.10272	437912.35	3726165.25	0.10035
437898.82	3726172.14	0.09773	437885.30	3726179.04	0.09502
437871.78	3726185.93	0.09232	437858.25	3726192.82	0.08967
437844.73	3726199.71	0.08690	437831.21	3726206.60	0.08411
437817.68	3726213.49	0.08123	437611.28	3726179.69	0.05903
437596.86	3726174.95	0.05784	437582.44	3726170.21	0.05678
438348.59	3725984.41	0.10481	438094.48	3726113.90	0.11300
438081.11	3726120.71	0.11137	438067.73	3726127.52	0.10958
438054.36	3726134.34	0.10783	438040.98	3726141.15	0.10590
438027.61	3726147.97	0.10445	438014.23	3726154.78	0.10306
438000.86	3726161.60	0.10182	437987.49	3726168.41	0.10064
437974.11	3726175.23	0.09925	437960.74	3726182.04	0.09766
437947.36	3726188.86	0.09602	437933.99	3726195.67	0.09420
437920.62	3726202.49	0.09227	437907.24	3726209.30	0.08982
437893.87	3726216.12	0.08728	437616.19	3726220.17	0.05522
437601.93	3726215.49	0.05408	437587.67	3726210.80	0.05297
437573.41	3726206.12	0.05195	437559.15	3726201.43	0.05092
438360.20	3725975.22	0.10320	438370.04	3725963.66	0.10214
438379.04	3726010.34	0.09660	438365.65	3726017.16	0.09848
438352.27	3726023.99	0.10041	438338.88	3726030.81	0.10225
438325.49	3726037.63	0.10404	438312.10	3726044.45	0.10559
438298.71	3726051.28	0.10671	438124.66	3726139.96	0.10655
438111.27	3726146.79	0.10518	438097.89	3726153.61	0.10369
438084.50	3726160.43	0.10208	438071.11	3726167.25	0.10044
438057.72	3726174.07	0.09855	438044.33	3726180.90	0.09674
438030.94	3726187.72	0.09541	438017.56	3726194.54	0.09425

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438004.17	3726201.36	0.09306	437990.78	3726208.18	0.09187
437977.39	3726215.01	0.09061	437964.00	3726221.83	0.08914
437950.61	3726228.65	0.08758	437937.23	3726235.47	0.08585
437923.84	3726242.30	0.08403	437776.12	3726311.58	0.06076
437761.85	3726306.89	0.06022	437747.57	3726302.20	0.05964
437733.30	3726297.51	0.05898	437604.81	3726255.31	0.05092
438409.49	3726036.27	0.09002	438396.09	3726043.10	0.09178
438382.69	3726049.93	0.09334	438369.29	3726056.76	0.09475
438355.89	3726063.59	0.09622	438342.49	3726070.42	0.09763
438329.09	3726077.25	0.09877	438315.69	3726084.07	0.09972
438302.28	3726090.90	0.10060	438288.88	3726097.73	0.10136
438275.48	3726104.56	0.10195	438262.08	3726111.39	0.10237
438248.68	3726118.22	0.10261	438235.28	3726125.05	0.10271
438128.07	3726179.68	0.09731	438114.67	3726186.51	0.09608
438101.26	3726193.33	0.09492	438087.86	3726200.16	0.09334
438074.46	3726206.99	0.09171	438061.06	3726213.82	0.09031
438047.66	3726220.65	0.08906	438034.26	3726227.48	0.08788
438020.86	3726234.31	0.08669	438007.46	3726241.14	0.08548
437994.05	3726247.96	0.08430	437980.65	3726254.79	0.08303
437967.25	3726261.62	0.08162	437953.85	3726268.45	0.08013
437940.45	3726275.28	0.07845	437927.05	3726282.11	0.07667
437913.65	3726288.94	0.07472	437873.44	3726309.42	0.06836
437860.04	3726316.25	0.06638	437846.64	3726323.08	0.06458
437806.44	3726343.57	0.05901	437793.03	3726350.39	0.05729
437779.19	3726351.46	0.05619	437764.90	3726346.77	0.05557
437750.61	3726342.07	0.05501	437736.32	3726337.38	0.05442
437722.03	3726332.68	0.05374	437707.74	3726327.99	0.05301
437693.45	3726323.30	0.05224	438421.12	3726027.08	0.08875
438430.96	3726015.52	0.08798	437863.18	3726356.10	0.06149
437849.77	3726362.93	0.05978	437836.35	3726369.77	0.05816
437822.94	3726376.60	0.05663	437809.53	3726383.44	0.05520
437796.11	3726390.27	0.05387	437782.26	3726391.34	0.05292
437767.95	3726386.64	0.05236	437753.65	3726381.94	0.05164
437739.35	3726377.25	0.05090	437725.05	3726372.55	0.05016
437710.75	3726367.85	0.04944	437696.44	3726363.15	0.04873
437682.14	3726358.45	0.04799	437667.84	3726353.75	0.04751
438461.41	3726041.45	0.08209	437799.19	3726430.15	0.05079
437785.33	3726431.22	0.05009	437771.01	3726426.52	0.04975
437756.70	3726421.82	0.04907	437742.38	3726417.11	0.04835
437728.07	3726412.41	0.04765	437713.76	3726407.71	0.04695

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437699.44	3726403.01	0.04628	437685.13	3726398.31	0.04559
437670.81	3726393.60	0.04503	437656.50	3726388.90	0.04461
437642.19	3726384.20	0.04424	437627.87	3726379.50	0.04390
437912.05	3725196.12	1.19515	437925.08	3725180.94	1.02669
437944.61	3725158.17	0.82589	438044.92	3725104.51	0.40755
438051.54	3725117.54	0.41661	438058.16	3725130.58	0.42349
438064.50	3725081.83	0.34480	438071.14	3725094.90	0.35354
438077.77	3725107.97	0.36123	438084.41	3725121.04	0.36682
438117.60	3725186.39	0.37227	438124.24	3725199.46	0.36895
438084.07	3725059.14	0.29456	438090.73	3725072.24	0.30266
438097.38	3725085.34	0.31016	438104.03	3725098.44	0.31555
438130.65	3725150.85	0.32589	438137.30	3725163.95	0.32592
438143.95	3725177.05	0.32478	438150.61	3725190.15	0.32153
438157.26	3725203.25	0.31739	438163.91	3725216.35	0.31167
438116.98	3725062.70	0.26745	438123.65	3725075.83	0.27299
438150.32	3725128.34	0.28527	438156.98	3725141.47	0.28530
438163.65	3725154.60	0.28518	438170.32	3725167.73	0.28434
438176.99	3725180.86	0.28212	438183.65	3725193.99	0.27878
438190.32	3725207.12	0.27473	438190.01	3725145.27	0.25297
438196.69	3725158.43	0.25137	438203.37	3725171.58	0.24871
438210.05	3725184.73	0.24549	438243.45	3725250.50	0.22486
438250.13	3725263.66	0.21999	438261.04	3725223.91	0.20644
438267.63	3725236.87	0.20223	438274.21	3725249.84	0.19849
438280.80	3725262.81	0.19468	438287.38	3725275.77	0.19044
438293.97	3725288.74	0.18657	438155.40	3724934.23	0.13926
438175.22	3724973.25	0.16078	438181.82	3724986.26	0.16819
438188.43	3724999.26	0.17497	438195.03	3725012.27	0.17943
438201.64	3725025.27	0.18345	438208.24	3725038.28	0.18674
438214.85	3725051.28	0.18929	438307.31	3725233.36	0.17139
438313.91	3725246.37	0.16808	438360.15	3725337.41	0.14844
438366.75	3725350.41	0.14598	438146.50	3724922.92	0.13574
438221.19	3724982.14	0.15040	438227.82	3724995.18	0.15558
438234.44	3725008.21	0.15862	438241.06	3725021.25	0.16166
438247.68	3725034.29	0.16413	438254.30	3725047.33	0.16609
438260.93	3725060.37	0.16810	438280.79	3725099.49	0.17058
438287.41	3725112.53	0.17017	438294.04	3725125.57	0.16907
438386.74	3725308.13	0.13242	438393.37	3725321.17	0.13120
438399.99	3725334.21	0.12959	438406.61	3725347.25	0.12752
438410.98	3725367.25	0.12614	438406.47	3725381.16	0.12804
438172.55	3724892.57	0.11565	438267.26	3724991.19	0.13606

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438273.90	3725004.26	0.13904	438280.53	3725017.33	0.14163
438287.17	3725030.40	0.14424	438293.81	3725043.47	0.14658
438307.08	3725069.62	0.14939	438313.72	3725082.69	0.14983
438320.36	3725095.76	0.14961	438327.00	3725108.83	0.14882
438333.63	3725121.90	0.14761	438340.27	3725134.97	0.14609
438346.91	3725148.04	0.14447	438353.55	3725161.11	0.14239
438360.18	3725174.18	0.14017	438366.82	3725187.25	0.13782
438450.85	3725364.14	0.11162	438446.33	3725378.09	0.11312
438441.81	3725392.03	0.11449	438437.29	3725405.98	0.11571
438432.77	3725419.92	0.11697	438340.00	3725052.79	0.13172
438346.65	3725065.88	0.13217	438353.30	3725078.98	0.13222
438359.96	3725092.08	0.13186	438366.61	3725105.18	0.13116
438373.26	3725118.28	0.13025	438379.91	3725131.37	0.12899
438386.56	3725144.47	0.12768	438393.21	3725157.57	0.12593
438399.87	3725170.67	0.12402	438406.52	3725183.77	0.12202
438413.17	3725196.87	0.11995	438419.82	3725209.96	0.11778
438426.47	3725223.06	0.11559	438433.12	3725236.16	0.11345
438439.78	3725249.26	0.11092	438446.43	3725262.36	0.10827
438477.13	3725402.95	0.10318	438472.60	3725416.93	0.10415
438468.07	3725430.90	0.10508	438463.54	3725444.88	0.10593
438379.59	3725049.09	0.11719	438386.25	3725062.21	0.11737
438392.92	3725075.33	0.11720	438399.58	3725088.46	0.11674
438406.25	3725101.58	0.11618	438412.91	3725114.70	0.11546
438419.57	3725127.83	0.11445	438426.24	3725140.95	0.11321
438432.90	3725154.07	0.11182	438439.57	3725167.20	0.11039
438446.23	3725180.32	0.10881	438452.89	3725193.44	0.10704
438459.56	3725206.57	0.10522	438466.22	3725219.69	0.10344
438472.89	3725232.81	0.10127	438479.55	3725245.93	0.09883
438486.22	3725259.06	0.09642	438492.88	3725272.18	0.09459
438499.54	3725285.30	0.09320	438506.21	3725298.43	0.09175
438512.87	3725311.55	0.09059	438519.54	3725324.67	0.08909
438526.20	3725337.80	0.08816	438507.90	3725427.92	0.09414
438503.36	3725441.93	0.09512	438498.82	3725455.93	0.09600
438494.28	3725469.93	0.09685	438412.53	3725032.30	0.10484
438419.20	3725045.44	0.10515	438425.88	3725058.59	0.10531
438432.55	3725071.73	0.10501	438439.23	3725084.88	0.10450
438445.90	3725098.03	0.10386	438452.58	3725111.17	0.10309
438459.26	3725124.32	0.10220	438465.93	3725137.46	0.10125
438472.61	3725150.61	0.10025	438479.28	3725163.75	0.09900
438485.96	3725176.90	0.09770	438492.63	3725190.05	0.09668

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438499.31	3725203.19	0.09566	438505.99	3725216.34	0.09369
438512.66	3725229.48	0.09157	438519.34	3725242.63	0.08968
438526.01	3725255.77	0.08799	438532.69	3725268.92	0.08625
438539.36	3725282.07	0.08440	438546.04	3725295.21	0.08237
438552.72	3725308.36	0.08120	438559.39	3725321.50	0.08009
438566.07	3725334.65	0.07905	438570.47	3725354.81	0.07872
438565.92	3725368.83	0.08019	438561.38	3725382.86	0.08170
438534.10	3725467.01	0.08748	438529.55	3725481.03	0.08828
438525.00	3725495.06	0.08918	438520.45	3725509.08	0.09005
438379.50	3725943.86	0.10259	438452.15	3725028.68	0.09456
438458.84	3725041.84	0.09468	438465.52	3725055.01	0.09446
438472.21	3725068.18	0.09401	438478.90	3725081.34	0.09350
438485.58	3725094.51	0.09287	438492.27	3725107.68	0.09211
438498.96	3725120.84	0.09145	438505.64	3725134.01	0.09086
438512.33	3725147.17	0.09018	438519.01	3725160.34	0.08916
438525.70	3725173.51	0.08827	438532.39	3725186.67	0.08745
438539.07	3725199.84	0.08643	438545.76	3725213.01	0.08505
438552.45	3725226.17	0.08365	438559.13	3725239.34	0.08214
438565.82	3725252.51	0.08040	438572.50	3725265.67	0.07870
438579.19	3725278.84	0.07686	438585.88	3725292.00	0.07513
438592.56	3725305.17	0.07380	438599.25	3725318.34	0.07248
438605.93	3725331.50	0.07123	438610.34	3725351.69	0.07071
438605.79	3725365.74	0.07202	438601.24	3725379.79	0.07349
438596.68	3725393.84	0.07485	438592.13	3725407.88	0.07604
438560.25	3725506.21	0.08171	438555.70	3725520.26	0.08250
438551.14	3725534.31	0.08331	438490.16	3725021.87	0.08536
438496.79	3725034.92	0.08513	438503.41	3725047.97	0.08484
438510.04	3725061.02	0.08447	438516.66	3725074.06	0.08399
438523.29	3725087.11	0.08342	438529.92	3725100.16	0.08305
438536.54	3725113.21	0.08265	438543.17	3725126.26	0.08223
438549.80	3725139.30	0.08179	438556.42	3725152.35	0.08130
438563.05	3725165.40	0.08075	438569.67	3725178.45	0.08013
438576.30	3725191.49	0.07913	438582.93	3725204.54	0.07810
438589.55	3725217.59	0.07686	438596.18	3725230.64	0.07559
438602.80	3725243.69	0.07422	438609.43	3725256.73	0.07278
438616.06	3725269.78	0.07137	438622.68	3725282.83	0.06983
438629.31	3725295.88	0.06833	438635.93	3725308.93	0.06699
438642.56	3725321.97	0.06568	438649.19	3725335.02	0.06471
438650.24	3725348.51	0.06456	438645.73	3725362.43	0.06531
438641.22	3725376.35	0.06629	438636.70	3725390.27	0.06745

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438632.19	3725404.19	0.06883	438627.68	3725418.11	0.07014
438623.16	3725432.03	0.07100	438618.65	3725445.95	0.07178
438587.06	3725543.40	0.07646	438582.55	3725557.32	0.07705
438578.03	3725571.24	0.07767	438438.13	3726002.78	0.08779
438529.76	3725018.19	0.07730	438536.39	3725031.26	0.07699
438543.03	3725044.33	0.07665	438549.67	3725057.40	0.07624
438556.31	3725070.47	0.07585	438562.94	3725083.54	0.07546
438569.58	3725096.61	0.07515	438576.22	3725109.69	0.07479
438582.86	3725122.76	0.07449	438589.49	3725135.83	0.07422
438596.13	3725148.90	0.07386	438602.77	3725161.97	0.07347
438609.41	3725175.04	0.07313	438616.04	3725188.11	0.07228
438622.68	3725201.18	0.07153	438629.32	3725214.25	0.07060
438635.96	3725227.32	0.06948	438642.59	3725240.39	0.06834
438649.23	3725253.46	0.06716	438655.87	3725266.53	0.06598
438662.51	3725279.60	0.06460	438669.15	3725292.67	0.06330
438675.78	3725305.74	0.06214	438682.42	3725318.82	0.06099
438689.06	3725331.89	0.05998	438690.12	3725345.39	0.05974
438685.60	3725359.34	0.06022	438681.07	3725373.28	0.06106
438676.55	3725387.23	0.06193	438672.03	3725401.17	0.06288
438667.51	3725415.12	0.06392	438662.99	3725429.06	0.06499
438658.47	3725443.01	0.06603	438653.95	3725456.95	0.06670
438649.43	3725470.90	0.06727	438644.91	3725484.84	0.06784
438613.26	3725582.46	0.07181	438504.76	3725917.13	0.08274
438500.24	3725931.08	0.08291	438495.72	3725945.02	0.08297
438491.20	3725958.97	0.08299	438486.68	3725972.91	0.08293
438482.16	3725986.86	0.08277	438477.64	3726000.80	0.08244
438473.12	3726014.75	0.08210	438468.60	3726028.69	0.08185
438576.02	3725027.65	0.06974	438582.67	3725040.74	0.06938
438589.32	3725053.83	0.06888	438595.97	3725066.92	0.06863
438602.61	3725080.01	0.06853	438609.26	3725093.10	0.06839
438615.91	3725106.19	0.06815	438622.56	3725119.29	0.06789
438629.21	3725132.38	0.06753	438635.86	3725145.47	0.06710
438642.50	3725158.56	0.06665	438649.15	3725171.65	0.06612
438655.80	3725184.74	0.06565	438662.45	3725197.84	0.06530
438669.10	3725210.93	0.06480	438675.74	3725224.02	0.06385
438682.39	3725237.11	0.06292	438689.04	3725250.20	0.06192
438695.69	3725263.29	0.06103	438702.34	3725276.38	0.05998
438708.99	3725289.48	0.05893	438715.63	3725302.57	0.05793
438722.28	3725315.66	0.05701	438728.93	3725328.75	0.05621
438729.99	3725342.28	0.05592	438725.46	3725356.25	0.05614

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438720.93	3725370.21	0.05677	438716.41	3725384.18	0.05744
438711.88	3725398.15	0.05817	438707.35	3725412.12	0.05896
438702.82	3725426.08	0.05978	438698.29	3725440.05	0.06067
438693.77	3725454.02	0.06146	438689.24	3725467.99	0.06212
438684.71	3725481.95	0.06268	438680.18	3725495.92	0.06317
438675.65	3725509.89	0.06366	438671.13	3725523.85	0.06412
438666.60	3725537.82	0.06456	438594.15	3725761.30	0.07210
438589.62	3725775.27	0.07255	438557.92	3725873.04	0.07554
438553.40	3725887.00	0.07592	438548.87	3725900.97	0.07626
438544.34	3725914.94	0.07661	438539.81	3725928.90	0.07691
438535.28	3725942.87	0.07713	438530.75	3725956.84	0.07729
438526.23	3725970.81	0.07745	438521.70	3725984.77	0.07757
438517.17	3725998.74	0.07740	438512.64	3726012.71	0.07716
438476.50	3725934.46	0.08658	438497.20	3725973.22	0.08141
438502.73	3725966.00	0.08095	438508.26	3725958.79	0.08045
438528.95	3725997.55	0.07597	438534.48	3725990.33	0.07561
438540.01	3725983.11	0.07518	438532.37	3725523.37	0.08721
438566.53	3725546.99	0.08012	438571.60	3725531.21	0.07937
438598.90	3725569.98	0.07423	438592.04	3725585.10	0.07520
438684.17	3725570.58	0.06201	438539.30	3725890.28	0.07801
438532.40	3725905.50	0.07871	438525.50	3725920.73	0.07936
438518.60	3725935.95	0.07988	438689.27	3725554.71	0.06152
438723.39	3725578.44	0.05726	438716.47	3725593.71	0.05794
438709.55	3725608.98	0.05864	438702.63	3725624.26	0.05936
438661.11	3725715.88	0.06371	438640.35	3725761.69	0.06569
438633.43	3725776.96	0.06639	438626.51	3725792.23	0.06711
438619.59	3725807.50	0.06781	438612.67	3725822.77	0.06851
438605.75	3725838.04	0.06921	438598.83	3725853.31	0.06987
438591.91	3725868.59	0.07062	438584.99	3725883.86	0.07143
438578.07	3725899.13	0.07219	438571.15	3725914.40	0.07283
438564.23	3725929.67	0.07343	438557.31	3725944.94	0.07398
438550.39	3725960.21	0.07450	438728.50	3725562.55	0.05681
438498.32	3725487.89	0.09558	438502.28	3725464.48	0.09495
438537.73	3725494.71	0.08639	438535.26	3725508.31	0.08680
438540.36	3725479.43	0.08595	438658.78	3725498.86	0.06592
438661.56	3725481.91	0.06561	438695.37	3725521.97	0.06107
438692.41	3725538.29	0.06128	438698.25	3725505.33	0.06086
438701.03	3725488.39	0.06067	438735.09	3725527.08	0.05650
438732.62	3725540.68	0.05664	438737.72	3725511.81	0.05633
438740.50	3725494.86	0.05613	437801.05	3725247.31	4.55075

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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437796.70	3725239.12	4.44615	437815.01	3725258.24	4.09006
437809.88	3725242.62	3.86828	437805.54	3725234.44	3.77890
437824.00	3725255.04	3.53927	437823.06	3725246.12	3.36910
437818.71	3725237.94	3.33260	437814.37	3725229.75	3.26409
437810.02	3725221.56	3.16523	437832.81	3725250.10	3.08018
437827.55	3725233.25	2.90299	437823.20	3725225.06	2.84608
437818.86	3725216.87	2.76399	437836.38	3725228.56	2.56785
437832.04	3725220.37	2.50877	437827.69	3725212.19	2.43355
437823.35	3725204.00	2.34644	437845.21	3725223.87	2.29237
437840.87	3725215.69	2.24317	437836.52	3725207.50	2.17565
437832.18	3725199.31	2.09212	437854.05	3725219.19	2.06004
437849.70	3725211.00	2.01830	437845.36	3725202.81	1.96268
437841.01	3725194.62	1.89388	437933.69	3725155.93	0.86982
437929.34	3725147.75	0.85191	437951.36	3725146.56	0.75259
438061.56	3725119.56	0.40242	438048.52	3725094.99	0.38681
438088.06	3725105.49	0.34353	438083.71	3725097.31	0.33988
438079.37	3725089.12	0.33543	438075.02	3725080.93	0.33053
438070.68	3725072.74	0.32537	438122.19	3725163.88	0.34906
438123.15	3725172.93	0.35431	438114.56	3725091.43	0.29654
438110.21	3725083.24	0.29355	438105.87	3725075.06	0.28997
438101.52	3725066.87	0.28578	438097.18	3725058.68	0.28114
438147.83	3725141.62	0.29650	438148.80	3725150.80	0.30113
438149.76	3725159.97	0.30584	438150.73	3725169.15	0.31026
438176.13	3725144.64	0.26633	438177.08	3725153.67	0.26984
438178.03	3725162.71	0.27305	438178.99	3725171.75	0.27598
438183.75	3725216.93	0.28547	438184.70	3725225.97	0.28653
438221.51	3725044.20	0.18229	438220.55	3725035.18	0.17879
438216.21	3725026.99	0.17722	438211.86	3725018.80	0.17515
438207.52	3725010.62	0.17287	438203.17	3725002.43	0.17043
438250.90	3725057.59	0.17190	438251.86	3725066.71	0.17525
438252.82	3725075.83	0.17851	438266.28	3725203.49	0.19996
438267.24	3725212.61	0.20026	438273.01	3725267.33	0.20121
438273.97	3725276.44	0.20133	438275.49	3725025.47	0.14713
438276.47	3725034.67	0.15045	438277.44	3725043.88	0.15380
438278.41	3725053.09	0.15719	438297.82	3725237.23	0.17840
438298.79	3725246.43	0.17862	438299.76	3725255.64	0.17875
438300.73	3725264.85	0.17879	438301.70	3725274.06	0.17914
438301.97	3725011.19	0.13121	438302.93	3725020.28	0.13435
438303.89	3725029.38	0.13742	438304.85	3725038.48	0.14030
438310.60	3725093.07	0.15369	438311.56	3725102.17	0.15517

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438312.52	3725111.27	0.15654	438313.48	3725120.36	0.15768
438314.44	3725129.46	0.15859	438315.40	3725138.56	0.15940
438326.91	3725247.74	0.16037	438347.92	3725093.12	0.13697
438348.88	3725102.27	0.13795	438349.85	3725111.41	0.13886
438350.81	3725120.56	0.13967	438351.78	3725129.70	0.14035
438352.74	3725138.85	0.14095	438371.06	3725312.60	0.14014
438372.02	3725321.74	0.14073	438372.99	3725330.89	0.14120
438373.95	3725340.03	0.14152	438375.88	3725358.32	0.14194
438383.31	3725074.91	0.12035	438384.28	3725084.10	0.12144
438385.25	3725093.28	0.12239	438386.21	3725102.47	0.12324
438387.18	3725111.66	0.12404	438388.15	3725120.84	0.12472
438389.12	3725130.03	0.12532	438394.93	3725185.15	0.12635
438395.90	3725194.34	0.12622	438396.87	3725203.52	0.12604
438397.84	3725212.71	0.12558	438409.46	3725322.95	0.12502
438410.43	3725332.13	0.12531	438415.27	3725378.06	0.12442
438416.24	3725387.25	0.12399	438417.21	3725396.44	0.12339
438418.18	3725405.62	0.12276	438420.39	3725072.75	0.10854
438421.35	3725081.82	0.10933	438422.30	3725090.88	0.11006
438423.26	3725099.95	0.11074	438424.21	3725109.02	0.11136
438425.17	3725118.09	0.11191	438429.95	3725163.42	0.11323
438430.91	3725172.49	0.11335	438431.86	3725181.56	0.11333
438432.82	3725190.62	0.11321	438433.77	3725199.69	0.11304
438434.73	3725208.76	0.11283	438435.69	3725217.83	0.11259
438436.64	3725226.89	0.11231	438453.85	3725390.11	0.11060
438454.81	3725399.17	0.11011	438455.76	3725408.24	0.10962
438456.72	3725417.31	0.10910	438457.67	3725426.38	0.10847
438458.63	3725435.44	0.10781	438455.79	3725054.61	0.09694
438456.75	3725063.71	0.09765	438457.71	3725072.82	0.09830
438458.67	3725081.93	0.09890	438459.63	3725091.04	0.09946
438460.59	3725100.15	0.09996	438461.55	3725109.25	0.10042
438467.31	3725163.90	0.10220	438468.27	3725173.01	0.10226
438469.23	3725182.12	0.10228	438470.19	3725191.23	0.10228
438471.15	3725200.33	0.10227	438472.11	3725209.44	0.10209
438476.91	3725254.98	0.09922	438477.87	3725264.09	0.09856
438478.83	3725273.20	0.09837	438479.79	3725282.31	0.09829
438480.75	3725291.41	0.09818	438493.24	3725409.82	0.09836
438494.20	3725418.93	0.09787	438495.16	3725428.03	0.09746
438492.14	3725045.55	0.08707	438493.11	3725054.70	0.08764
438494.07	3725063.84	0.08824	438495.04	3725072.99	0.08881
438496.00	3725082.13	0.08933	438496.96	3725091.28	0.08981

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438497.93	3725100.42	0.09024	438502.75	3725146.15	0.09243
438503.71	3725155.29	0.09256	438504.68	3725164.44	0.09266
438505.64	3725173.58	0.09273	438506.61	3725182.73	0.09293
438507.57	3725191.87	0.09317	438508.53	3725201.02	0.09339
438514.32	3725255.89	0.09034	438515.28	3725265.03	0.08987
438516.25	3725274.18	0.08957	438517.21	3725283.32	0.08927
438518.17	3725292.47	0.08894	438519.14	3725301.61	0.08878
438527.53	3725027.34	0.07838	438528.50	3725036.52	0.07888
438529.47	3725045.70	0.07936	438530.44	3725054.88	0.07980
438531.40	3725064.06	0.08024	438532.37	3725073.23	0.08066
438533.34	3725082.41	0.08105	438534.31	3725091.59	0.08150
438539.15	3725137.48	0.08378	438540.11	3725146.66	0.08418
438541.08	3725155.84	0.08445	438542.05	3725165.02	0.08471
438543.02	3725174.20	0.08495	438543.98	3725183.38	0.08503
438544.95	3725192.55	0.08503	438549.79	3725238.45	0.08406
438550.76	3725247.63	0.08354	438551.72	3725256.80	0.08303
438552.69	3725265.98	0.08250	438553.66	3725275.16	0.08183
438554.63	3725284.34	0.08117	438555.60	3725293.52	0.08051
438561.40	3725348.59	0.08045	438564.86	3725027.50	0.07161
438565.83	3725036.71	0.07201	438566.80	3725045.92	0.07238
438567.77	3725055.13	0.07273	438568.74	3725064.34	0.07317
438569.71	3725073.55	0.07361	438575.54	3725128.80	0.07622
438576.51	3725138.01	0.07671	438577.48	3725147.22	0.07718
438578.45	3725156.43	0.07751	438579.42	3725165.64	0.07783
438580.39	3725174.85	0.07814	438581.37	3725184.06	0.07814
438586.22	3725230.11	0.07728	438587.19	3725239.32	0.07693
438588.16	3725248.52	0.07649	438589.13	3725257.73	0.07604
438590.10	3725266.94	0.07558	438591.07	3725276.15	0.07499
438592.05	3725285.36	0.07442	438596.90	3725331.41	0.07290
438597.87	3725340.62	0.07288	438598.84	3725349.83	0.07284
438599.81	3725359.04	0.07288	438604.67	3725405.08	0.07373
438605.64	3725414.29	0.07386	438606.61	3725423.50	0.07374
438607.58	3725432.71	0.07355	438608.55	3725441.92	0.07336
438604.82	3725052.62	0.06624	438605.78	3725061.73	0.06663
438606.74	3725070.84	0.06718	438611.54	3725116.42	0.06940
438612.50	3725125.53	0.06976	438613.47	3725134.64	0.07010
438614.43	3725143.76	0.07042	438615.39	3725152.87	0.07077
438616.35	3725161.99	0.07113	438623.07	3725225.79	0.07140
438624.04	3725234.90	0.07114	438625.00	3725244.02	0.07080
438625.96	3725253.13	0.07043	438626.92	3725262.25	0.07007

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438627.88	3725271.36	0.06960	438633.64	3725326.05	0.06680
438634.61	3725335.16	0.06670	438635.57	3725344.28	0.06659
438636.53	3725353.39	0.06646	438641.33	3725398.96	0.06709
438642.29	3725408.08	0.06736	438643.25	3725417.19	0.06761
438644.21	3725426.31	0.06765	438645.18	3725435.42	0.06770
438646.14	3725444.53	0.06776	438646.01	3725089.43	0.06296
438646.97	3725098.58	0.06333	438647.94	3725107.72	0.06368
438648.90	3725116.87	0.06400	438649.87	3725126.01	0.06423
438650.83	3725135.16	0.06443	438651.79	3725144.30	0.06462
438652.76	3725153.45	0.06484	438653.72	3725162.59	0.06505
438658.54	3725208.32	0.06630	438659.51	3725217.46	0.06615
438660.47	3725226.61	0.06600	438661.43	3725235.75	0.06585
438662.40	3725244.90	0.06556	438663.36	3725254.04	0.06526
438664.33	3725263.19	0.06495	438670.11	3725318.06	0.06242
438671.08	3725327.20	0.06207	438672.04	3725336.35	0.06189
438673.00	3725345.49	0.06171	438673.97	3725354.64	0.06152
438674.93	3725363.78	0.06157	438679.75	3725409.51	0.06215
438680.72	3725418.65	0.06229	438681.68	3725427.80	0.06244
438682.65	3725436.94	0.06259	438683.61	3725446.08	0.06274
438684.57	3725455.23	0.06265	438688.43	3725491.81	0.06216
438689.39	3725500.95	0.06198	438690.36	3725510.10	0.06179
438687.23	3725126.54	0.05910	438688.20	3725135.71	0.05928
438689.16	3725144.89	0.05945	438690.13	3725154.06	0.05963
438691.10	3725163.23	0.05981	438692.07	3725172.41	0.05997
438693.03	3725181.58	0.06020	438694.00	3725190.75	0.06047
438694.97	3725199.93	0.06073	438695.93	3725209.10	0.06089
438696.90	3725218.27	0.06083	438697.87	3725227.45	0.06076
438698.84	3725236.62	0.06069	438699.80	3725245.79	0.06056
438700.77	3725254.96	0.06043	438705.61	3725300.83	0.05904
438706.57	3725310.00	0.05868	438707.54	3725319.18	0.05834
438708.51	3725328.35	0.05804	438709.47	3725337.52	0.05785
438710.44	3725346.70	0.05764	438711.41	3725355.87	0.05744
438712.38	3725365.04	0.05751	438717.21	3725410.91	0.05786
438718.18	3725420.08	0.05794	438719.14	3725429.25	0.05802
438720.11	3725438.43	0.05810	438721.08	3725447.60	0.05816
438722.05	3725456.77	0.05813	438723.01	3725465.95	0.05811
438723.98	3725475.12	0.05808	438724.95	3725484.29	0.05792
438725.91	3725493.47	0.05774	438726.88	3725502.64	0.05757
438727.85	3725511.81	0.05739	437709.73	3725187.70	4.82081
437701.97	3725182.37	4.41778	437715.39	3725179.46	3.74469

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437707.64	3725174.13	3.43814	437721.06	3725171.22	3.01407
437713.30	3725165.89	2.76914	437726.72	3725162.98	2.49993
437718.97	3725157.65	2.28811	437732.39	3725154.74	2.11559
437724.63	3725149.41	1.93300	437797.88	3725190.03	2.47609
437738.05	3725146.50	1.82206	437730.30	3725141.17	1.65855
437803.07	3725181.26	2.14410	437813.21	3725192.63	2.27074
437790.25	3725170.24	2.03510	437782.49	3725164.91	1.98272
437774.74	3725159.58	1.91150	437766.98	3725154.25	1.82807
437759.23	3725148.92	1.74503	437751.47	3725143.59	1.65602
437743.72	3725138.26	1.55252	437735.96	3725132.93	1.42906
437809.37	3725173.73	1.88888	437820.77	3725186.52	2.01102
437795.91	3725162.00	1.77239	437788.16	3725156.67	1.72205
437780.40	3725151.34	1.65694	437772.65	3725146.01	1.57808
437764.89	3725140.68	1.50839	437757.14	3725135.35	1.42957
437749.38	3725130.02	1.33748	437741.63	3725124.68	1.23448
437814.61	3725165.02	1.67383	437825.17	3725176.86	1.76558
437801.58	3725153.76	1.56057	437793.82	3725148.43	1.50869
437786.07	3725143.10	1.45490	437778.31	3725137.77	1.39406
437770.56	3725132.44	1.32319	437762.80	3725127.11	1.25065
437755.05	3725121.78	1.16854	437747.29	3725116.44	1.07819
437836.95	3725160.89	1.44919	437811.70	3725039.37	0.46078
437803.94	3725034.04	0.43075	437883.12	3725066.72	0.56931
437894.74	3725079.75	0.61573	437906.35	3725092.78	0.65646
437917.97	3725105.80	0.68999	437869.56	3725054.88	0.52656
437861.80	3725049.54	0.50689	437854.05	3725044.21	0.48572
437846.29	3725038.88	0.46335	437838.54	3725033.55	0.44009
437830.78	3725028.22	0.41619	437823.03	3725022.89	0.39191
437815.27	3725017.56	0.36755	437894.49	3725050.29	0.48578
437906.19	3725063.40	0.52540	437917.89	3725076.52	0.56136
437929.58	3725089.64	0.59172	437941.28	3725102.76	0.61548
437880.89	3725038.39	0.44944	437873.13	3725033.06	0.43272
437865.38	3725027.73	0.41499	437857.62	3725022.40	0.39630
437849.87	3725017.07	0.37686	437842.11	3725011.74	0.35704
437834.36	3725006.41	0.33700	437826.60	3725001.08	0.31693
437905.86	3725033.84	0.41818	437917.62	3725047.04	0.45229
437929.39	3725060.24	0.48350	437941.16	3725073.43	0.51078
437952.93	3725086.63	0.53343	437964.69	3725099.83	0.55064
437892.22	3725021.91	0.38708	437884.46	3725016.58	0.37270
437876.71	3725011.25	0.35753	437868.95	3725005.92	0.34177
437861.20	3725000.59	0.32554	437853.44	3724995.26	0.30898

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437845.69	3724989.93	0.29225	437837.93	3724984.60	0.27546
437917.22	3725017.40	0.36266	437929.04	3725030.66	0.39214
437940.87	3725043.92	0.41947	437952.70	3725057.19	0.44393
437964.53	3725070.45	0.46477	437976.35	3725083.72	0.48156
437988.18	3725096.98	0.49398	437903.55	3725005.43	0.33576
437895.79	3725000.10	0.32350	437888.04	3724994.77	0.31066
437880.28	3724989.44	0.29726	437872.53	3724984.11	0.28352
437864.77	3724978.78	0.26954	437857.02	3724973.45	0.25544
437849.26	3724968.11	0.24130	437928.57	3725000.94	0.31674
437940.45	3725014.27	0.34239	437946.39	3725020.93	0.35465
437970.15	3725047.58	0.39823	437982.03	3725060.90	0.41572
437993.92	3725074.22	0.42978	437914.88	3724988.95	0.29346
437907.12	3724983.62	0.28288	437899.37	3724978.29	0.27186
437891.61	3724972.96	0.26051	437883.86	3724967.63	0.24882
437876.10	3724962.30	0.23693	437868.35	3724956.96	0.22493
437860.59	3724951.63	0.21295	437945.78	3724976.46	0.26236
437951.93	3724983.35	0.27318	437976.53	3725010.94	0.31401
437982.68	3725017.84	0.32316	437988.83	3725024.74	0.33185
437994.98	3725031.63	0.34002	438001.13	3725038.53	0.34753
438007.28	3725045.43	0.35438	438013.43	3725052.32	0.36068
437939.63	3724969.56	0.25134	437931.87	3724964.23	0.24301
437924.12	3724958.90	0.23432	437916.36	3724953.57	0.22539
437908.61	3724948.24	0.21631	437900.85	3724942.90	0.20703
437893.10	3724937.57	0.19766	437885.34	3724932.24	0.18819
437877.59	3724926.91	0.17870	437974.63	3724965.03	0.23690
437980.63	3724971.77	0.24534	437986.64	3724978.50	0.25357
437992.64	3724985.23	0.26156	437998.64	3724991.96	0.26927
438004.64	3724998.69	0.27663	438010.65	3725005.43	0.28365
438016.65	3725012.16	0.29025	438022.65	3725018.89	0.29640
438034.66	3725032.35	0.30747	437933.36	3724928.85	0.18951
437925.60	3724923.51	0.18205	437917.85	3724918.18	0.17453
437910.09	3724912.85	0.16697	437902.34	3724907.52	0.15939
437894.58	3724902.19	0.15178	437979.80	3724927.05	0.18631
437985.97	3724933.97	0.19385	437992.15	3724940.90	0.20121
437998.33	3724947.83	0.20838	438004.51	3724954.76	0.21540
438010.68	3724961.69	0.22221	438016.86	3724968.61	0.22886
438023.04	3724975.54	0.23531	438029.22	3724982.47	0.24156
438035.40	3724989.40	0.24751	438041.57	3724996.33	0.25268
438047.75	3725003.26	0.25672	438053.93	3725010.18	0.26058
438091.00	3725051.75	0.27934	437973.62	3724920.12	0.17870

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437965.86	3724914.79	0.17292	437934.84	3724893.46	0.14873
437927.09	3724888.13	0.14253	437919.33	3724882.80	0.13631
437911.58	3724877.47	0.13011	437996.66	3724902.18	0.15647
438002.71	3724908.96	0.16233	438008.76	3724915.74	0.16889
438014.81	3724922.53	0.17500	438020.85	3724929.31	0.18078
438026.90	3724936.09	0.18631	438032.95	3724942.88	0.19107
438039.00	3724949.66	0.19641	438045.05	3724956.44	0.20149
438051.10	3724963.22	0.20648	438057.14	3724970.01	0.21068
438063.19	3724976.79	0.21435	438069.24	3724983.57	0.21806
438075.29	3724990.36	0.22243	438032.40	3724898.48	0.14496
438038.60	3724905.43	0.14909	438044.80	3724912.38	0.15389
438051.00	3724919.33	0.15853	438057.20	3724926.28	0.16285
438063.39	3724933.24	0.16687	438069.59	3724940.19	0.17093
438075.79	3724947.14	0.17596	438081.99	3724954.09	0.18085
438088.19	3724961.04	0.18559	438094.39	3724967.99	0.18998
437992.10	3724860.01	0.12120	437984.34	3724854.68	0.11820
437976.59	3724849.35	0.11460	437968.83	3724844.02	0.11049
437961.08	3724838.69	0.10664	437953.32	3724833.36	0.10276
437945.57	3724828.02	0.09853	438030.69	3724852.77	0.11420
438036.77	3724859.60	0.11774	438067.18	3724893.70	0.13475
438073.27	3724900.52	0.13811	438079.35	3724907.35	0.14155
438085.43	3724914.17	0.14533	438091.51	3724920.99	0.14901
438097.60	3724927.81	0.15257	438103.68	3724934.63	0.15567
438024.60	3724845.95	0.11067	438016.85	3724840.62	0.10770
438009.09	3724835.29	0.10467	438001.34	3724829.96	0.10170
437993.58	3724824.63	0.09861	437985.83	3724819.30	0.09542
437978.07	3724813.96	0.09225	437970.32	3724808.63	0.08929
437962.56	3724803.30	0.08629	438190.75	3724988.49	0.16639
438196.96	3724995.46	0.16911	438018.33	3724805.24	0.08897
438010.58	3724799.91	0.08626	438002.82	3724794.57	0.08357
437995.07	3724789.24	0.08089	437987.31	3724783.91	0.07814
437979.56	3724778.58	0.07521	438107.47	3724851.33	0.10715
438113.58	3724858.18	0.10974	438119.69	3724865.03	0.11226
438125.80	3724871.88	0.11472	438131.91	3724878.73	0.11702
438138.02	3724885.59	0.11913	438144.13	3724892.44	0.12120
438150.24	3724899.29	0.12323	438156.35	3724906.14	0.12522
438162.46	3724912.99	0.12712	438168.57	3724919.85	0.12906
438081.82	3724778.77	0.07768	438088.04	3724785.75	0.08021
438094.27	3724792.74	0.08254	438100.50	3724799.72	0.08486
438106.72	3724806.70	0.08722	438112.95	3724813.69	0.08965

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438119.18	3724820.67	0.09219	438125.41	3724827.65	0.09475
438131.63	3724834.64	0.09724	438137.86	3724841.62	0.09962
438144.09	3724848.60	0.10190	438150.31	3724855.59	0.10395
438156.54	3724862.57	0.10595	438162.77	3724869.55	0.10780
438168.99	3724876.54	0.10956	438175.22	3724883.52	0.11128
438181.45	3724890.50	0.11296	438075.59	3724771.79	0.07517
438067.83	3724766.46	0.07330	438060.08	3724761.12	0.07148
438052.32	3724755.79	0.06967	438044.57	3724750.46	0.06754
438036.81	3724745.13	0.06528	438029.06	3724739.80	0.06289
438021.30	3724734.47	0.06055	438013.55	3724729.14	0.05828
438098.72	3724753.94	0.06865	438104.85	3724760.82	0.07082
438110.98	3724767.70	0.07290	438117.11	3724774.57	0.07499
438123.24	3724781.45	0.07708	438129.38	3724788.33	0.07916
438135.51	3724795.20	0.08127	438141.64	3724802.08	0.08334
438147.77	3724808.95	0.08535	438153.90	3724815.83	0.08729
438160.03	3724822.71	0.08934	438166.17	3724829.58	0.09135
438172.30	3724836.46	0.09325	438178.43	3724843.34	0.09502
438092.58	3724747.07	0.06628	438084.83	3724741.73	0.06445
438077.07	3724736.40	0.06261	438069.32	3724731.07	0.06076
438061.56	3724725.74	0.05891	438053.81	3724720.41	0.05709
438046.05	3724715.08	0.05524	438038.30	3724709.75	0.05336
438030.54	3724704.42	0.05141	438133.68	3724734.77	0.06176
438139.82	3724741.67	0.06365	438145.97	3724748.56	0.06551
438152.11	3724755.45	0.06735	438060.96	3724676.78	0.04582
438053.20	3724671.45	0.04433	437653.57	3725159.91	2.16384
437639.26	3725149.64	1.31504	437688.00	3725172.33	3.54626
437673.70	3725162.06	2.59814	437659.40	3725151.79	1.70328
437645.10	3725141.52	1.07129	437693.84	3725164.21	2.77571
437679.54	3725153.94	2.04236	437665.23	3725143.67	1.39553
437650.93	3725133.39	0.90531	437699.67	3725156.09	2.24216
437685.37	3725145.82	1.67130	437671.07	3725135.54	1.18992
437656.76	3725125.27	0.79657	437705.51	3725147.97	1.85634
437691.20	3725137.69	1.43200	437676.90	3725127.42	1.03731
437662.60	3725117.15	0.71255	437711.34	3725139.84	1.59538
437697.04	3725129.57	1.24974	437682.73	3725119.30	0.92123
437668.43	3725109.03	0.67291	437717.17	3725131.72	1.38767
437702.87	3725121.45	1.10813	437688.57	3725111.18	0.83997
437674.27	3725100.90	0.64376	437723.01	3725123.60	1.20940
437708.70	3725113.33	0.99298	437694.40	3725103.06	0.77194
437680.10	3725092.78	0.62096	437728.84	3725115.48	1.05605

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437714.54	3725105.21	0.87530	437700.23	3725094.93	0.70597
437685.93	3725084.66	0.56126	437734.67	3725107.36	0.92964
437720.37	3725097.08	0.77577	437706.07	3725086.81	0.64096
437691.77	3725076.54	0.50818	437793.01	3725026.13	0.38697
437778.71	3725015.86	0.33297	437764.40	3725005.59	0.28256
437750.10	3724995.32	0.23673	437804.68	3725009.89	0.33320
437790.37	3724999.62	0.28896	437776.07	3724989.35	0.24737
437761.77	3724979.07	0.20926	437816.34	3724993.65	0.28947
437787.74	3724973.10	0.21807	437773.44	3724962.83	0.18628
437813.71	3724967.13	0.22260	437839.68	3724961.16	0.22330
437825.38	3724950.88	0.19748	437811.07	3724940.61	0.17300
437796.77	3724930.34	0.15022	437851.34	3724944.91	0.19823
437837.04	3724934.64	0.17634	437822.74	3724924.37	0.15545
437808.44	3724914.10	0.13593	437868.85	3724920.55	0.16761
437854.54	3724910.27	0.15014	437840.24	3724900.00	0.13355
437825.94	3724889.73	0.11795	437886.35	3724896.18	0.14336
437872.04	3724885.91	0.12927	437857.74	3724875.64	0.11583
437843.44	3724865.36	0.10317	437899.89	3724832.04	0.09381
437885.59	3724821.77	0.08495	437931.70	3724817.94	0.09078
437917.39	3724807.67	0.08301	437903.09	3724797.40	0.07557
437949.20	3724793.58	0.08047	437934.90	3724783.31	0.07389
437920.59	3724773.03	0.06760	437966.70	3724769.21	0.07038
437952.40	3724758.94	0.06540	437938.09	3724748.67	0.06031
437955.59	3724724.30	0.05268	438019.20	3724696.11	0.04842
438004.90	3724685.84	0.04459	438042.54	3724663.62	0.04210
437619.57	3725132.86	0.67350	437614.95	3725124.56	0.53211
437607.77	3725117.32	0.44340	437623.10	3725110.99	0.42455
437638.72	3725110.16	0.48748	437600.80	3725109.99	0.39074
437615.52	3725103.92	0.36430	437637.87	3725100.08	0.42378
437593.93	3725102.62	0.33729	437608.24	3725096.72	0.32116
437622.55	3725090.81	0.31946	437637.13	3725090.03	0.37804
437588.29	3725094.74	0.28866	437604.64	3725088.00	0.28256
437620.99	3725081.25	0.28109	437637.66	3725080.36	0.34124
437654.63	3725085.33	0.43637	437581.33	3725087.41	0.25048
437597.10	3725080.90	0.24938	437612.87	3725074.39	0.25278
437636.82	3725070.28	0.28963	437669.56	3725079.87	0.45420
437566.77	3725096.63	0.26519	437540.04	3725120.53	0.31755
437526.68	3725132.47	0.33850	437574.45	3725080.04	0.22041
437589.78	3725073.72	0.21759	437605.11	3725067.39	0.21803
437560.10	3725089.18	0.23424	437533.38	3725113.07	0.28076

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437520.01	3725125.02	0.29954	437561.63	3725064.92	0.17572
437577.98	3725058.17	0.17077	437594.33	3725051.43	0.16840
437546.77	3725074.27	0.18805	437506.68	3725110.11	0.23993
437547.93	3725050.16	0.14483	437563.54	3725043.72	0.13939
437533.44	3725059.36	0.15537	437699.17	3724980.41	0.14923
437716.15	3724985.38	0.17579	437733.12	3724990.35	0.20519
437662.90	3724950.13	0.08667	437679.38	3724954.95	0.10091
437695.86	3724959.78	0.11788	437712.34	3724964.60	0.13752
437728.81	3724969.43	0.15962	437745.29	3724974.25	0.18370
437466.76	3725011.66	0.09308	437453.40	3725023.61	0.09954
437440.04	3725035.55	0.10501	437481.65	3724975.46	0.07153
437498.01	3724968.71	0.06789	437514.36	3724961.96	0.06415
437646.11	3724925.56	0.06347	437663.09	3724930.53	0.07294
437680.06	3724935.49	0.08463	437697.04	3724940.46	0.09860
437714.02	3724945.43	0.11488	437730.99	3724950.40	0.13330
437747.97	3724955.37	0.15353	437466.80	3724984.80	0.07630
437453.43	3724996.75	0.08225	437440.07	3725008.70	0.08768
437426.71	3725020.64	0.09229	437468.12	3724960.63	0.06415
437484.06	3724954.05	0.06105	437500.01	3724947.47	0.05780
437515.95	3724940.89	0.05459	437531.89	3724934.31	0.05165
437660.96	3724910.24	0.06093	437677.51	3724915.09	0.06985
437694.06	3724919.93	0.08050	437710.62	3724924.78	0.09293
437727.17	3724929.62	0.10708	437743.72	3724934.47	0.12279
437760.27	3724939.32	0.13973	437453.47	3724969.89	0.06822
437440.10	3724981.84	0.07327	437426.74	3724993.79	0.07787
437413.38	3725005.73	0.08179	437454.99	3724945.64	0.05788
437471.35	3724938.89	0.05508	437487.70	3724932.14	0.05211
437504.05	3724925.39	0.04915	437520.40	3724918.65	0.04635
437602.16	3724884.91	0.03923	437677.93	3724895.55	0.05980
437694.91	3724900.52	0.06874	437711.89	3724905.49	0.07922
437728.86	3724910.46	0.09113	437745.84	3724915.43	0.10443
437440.14	3724954.98	0.06142	437426.77	3724966.93	0.06574
437413.41	3724978.88	0.06966	437400.05	3724990.82	0.07302
437441.49	3724930.80	0.05258	437457.48	3724924.20	0.05019
437473.48	3724917.60	0.04762	437489.48	3724911.00	0.04501
437505.47	3724904.39	0.04247	437585.45	3724871.39	0.03458
437601.45	3724864.79	0.03434	437625.75	3724860.62	0.03613
437692.18	3724880.06	0.05757	437708.79	3724884.93	0.06574
437725.40	3724889.79	0.07513	437742.01	3724894.65	0.08564
437775.22	3724904.37	0.10955	437791.83	3724909.23	0.12252

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437426.81	3724940.07	0.05562	437413.45	3724952.02	0.05934
437400.08	3724963.96	0.06272	437386.72	3724975.91	0.06563
437421.59	3724908.39	0.04592	437437.78	3724901.71	0.04391
437453.97	3724895.03	0.04174	437470.15	3724888.35	0.03949
437486.34	3724881.67	0.03726	437502.53	3724874.99	0.03514
437567.28	3724848.27	0.02930	437583.47	3724841.59	0.02872
437599.66	3724834.91	0.02850	437624.25	3724830.69	0.02983
437641.06	3724835.61	0.03274	437657.87	3724840.53	0.03638
437725.10	3724860.21	0.05953	437741.90	3724865.13	0.06761
437775.52	3724874.97	0.08611	437792.32	3724879.89	0.09631
437809.13	3724884.81	0.10699	437406.81	3724917.71	0.04841
437393.45	3724929.65	0.05143	437380.09	3724941.60	0.05418
437366.73	3724953.54	0.05655	437401.68	3724885.99	0.04051
437418.03	3724879.25	0.03883	437434.38	3724872.50	0.03698
437450.73	3724865.75	0.03505	437467.08	3724859.00	0.03310
437483.44	3724852.25	0.03120	437565.19	3724818.52	0.02467
437581.55	3724811.77	0.02419	437597.90	3724805.02	0.02399
437622.74	3724800.76	0.02501	437639.72	3724805.73	0.02726
437656.69	3724810.70	0.03008	437673.67	3724815.67	0.03352
437690.65	3724820.64	0.03762	437792.51	3724850.45	0.07686
437809.49	3724855.42	0.08539	437826.46	3724860.39	0.09421
437386.82	3724895.34	0.04258	437373.46	3724907.29	0.04507
437360.09	3724919.23	0.04732	437346.73	3724931.18	0.04930
437381.75	3724863.60	0.03608	437398.25	3724856.79	0.03464
437414.74	3724849.99	0.03307	437431.23	3724843.18	0.03140
437447.72	3724836.37	0.02970	437464.22	3724829.57	0.02802
437546.68	3724795.54	0.02167	437563.17	3724788.73	0.02103
437579.67	3724781.93	0.02063	437596.16	3724775.12	0.02045
437621.21	3724770.82	0.02123	437638.34	3724775.83	0.02299
437655.46	3724780.85	0.02518	437672.58	3724785.86	0.02784
437689.71	3724790.87	0.03104	437706.83	3724795.88	0.03481
437366.83	3724872.97	0.03780	437353.46	3724884.92	0.03985
437340.10	3724896.87	0.04174	437361.56	3724841.31	0.03240
437377.66	3724834.67	0.03122	437393.75	3724828.03	0.02992
437409.85	3724821.39	0.02853	437425.95	3724814.74	0.02709
437442.04	3724808.10	0.02565	437538.62	3724768.25	0.01889
437554.72	3724761.61	0.01831	437570.81	3724754.96	0.01791
437586.91	3724748.32	0.01768	437603.01	3724741.68	0.01762
437619.41	3724740.80	0.01821	437636.12	3724745.69	0.01920
437652.83	3724750.59	0.02041	437669.54	3724755.48	0.02209

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437686.26	3724760.37	0.02410	437702.97	3724765.26	0.02656
437753.10	3724779.94	0.03943	437769.81	3724784.83	0.04410
437786.53	3724789.72	0.04907	437803.24	3724794.62	0.05436
437819.95	3724799.51	0.05994	437836.66	3724804.40	0.06574
437853.37	3724809.29	0.07168	437870.08	3724814.18	0.07770
437346.83	3724850.61	0.03384	437333.47	3724862.55	0.03556
437341.63	3724818.92	0.02928	437357.87	3724812.22	0.02827
437374.10	3724805.52	0.02714	437471.49	3724765.33	0.01979
437487.72	3724758.64	0.01875	437503.95	3724751.94	0.01783
437520.18	3724745.24	0.01705	437536.41	3724738.54	0.01642
437552.64	3724731.84	0.01594	437568.88	3724725.14	0.01560
437585.11	3724718.45	0.01541	437601.34	3724711.75	0.01535
437617.88	3724710.87	0.01549	437634.73	3724715.80	0.01596
437651.59	3724720.73	0.01674	437668.44	3724725.67	0.01788
437735.85	3724745.40	0.02673	437752.70	3724750.33	0.02998
437769.55	3724755.26	0.03322	437786.40	3724760.20	0.03808
437803.25	3724765.13	0.04384	437820.11	3724770.06	0.04937
437853.81	3724779.93	0.05925	437870.66	3724784.86	0.06433
437887.52	3724789.80	0.06945	437326.84	3724828.24	0.03052
437313.47	3724840.19	0.03199	437321.70	3724796.53	0.02667
437338.05	3724789.78	0.02577	437436.16	3724749.29	0.01927
437452.52	3724742.55	0.01822	437468.87	3724735.80	0.01724
437485.22	3724729.05	0.01637	437501.57	3724722.30	0.01559
437517.92	3724715.56	0.01494	437534.27	3724708.81	0.01441
437550.63	3724702.06	0.01401	437566.98	3724695.31	0.01373
437583.33	3724688.56	0.01356	437599.68	3724681.82	0.01347
437616.35	3724680.93	0.01334	437684.25	3724700.81	0.01613
437701.23	3724705.78	0.01761	437718.21	3724710.74	0.01939
437735.18	3724715.71	0.02142	437752.16	3724720.68	0.02412
437769.14	3724725.65	0.02722	437786.11	3724730.62	0.03077
437871.00	3724755.47	0.05365	437887.98	3724760.44	0.05803
437904.95	3724765.41	0.06240	437306.84	3724805.88	0.02773
437301.76	3724774.14	0.02442	437400.52	3724733.39	0.01884
437416.98	3724726.60	0.01785	437433.44	3724719.80	0.01689
437449.89	3724713.01	0.01599	437466.35	3724706.22	0.01515
437482.81	3724699.43	0.01441	437499.27	3724692.63	0.01375
437515.73	3724685.84	0.01321	437532.19	3724679.05	0.01276
437548.65	3724672.26	0.01242	437565.11	3724665.47	0.01218
437581.57	3724658.67	0.01203	437598.03	3724651.88	0.01163
437648.98	3724660.99	0.01227	437666.07	3724665.99	0.01308

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437683.16	3724671.00	0.01399	437700.25	3724676.00	0.01501
437717.33	3724681.00	0.01639	437734.42	3724686.00	0.01807
437751.51	3724691.00	0.02022	437888.22	3724731.02	0.04885
437905.31	3724736.03	0.05260	437922.40	3724741.03	0.05638
437381.15	3724710.76	0.01752	437397.71	3724703.93	0.01663
437414.26	3724697.10	0.01575	437430.82	3724690.27	0.01492
437447.38	3724683.43	0.01413	437463.93	3724676.60	0.01342
437480.49	3724669.77	0.01278	437497.05	3724662.94	0.01223
437513.60	3724656.10	0.01176	437530.16	3724649.27	0.01139
437699.20	3724646.20	0.01336	437716.39	3724651.23	0.01452
437785.15	3724671.36	0.02274	437793.74	3724673.88	0.02420
437810.93	3724678.91	0.02734	437828.12	3724683.94	0.03098
437845.31	3724688.97	0.03382	437862.50	3724694.00	0.03682
437879.69	3724699.04	0.03987	437914.07	3724709.10	0.04533
437931.25	3724714.13	0.04789	437359.21	3724689.20	0.01650
437375.47	3724682.49	0.01571	437391.72	3724675.78	0.01492
437407.98	3724669.07	0.01416	437424.24	3724662.37	0.01344
437440.49	3724655.66	0.01276	437780.28	3724640.45	0.01923
437797.16	3724645.39	0.02161	437814.04	3724650.33	0.02428
437830.92	3724655.27	0.02702	437847.80	3724660.21	0.02936
437864.67	3724665.15	0.03159	437881.55	3724670.09	0.03365
437898.43	3724675.03	0.03582	437290.78	3724686.82	0.01759
437307.13	3724680.07	0.01692	437323.48	3724673.33	0.01622
437339.84	3724666.58	0.01549	437356.19	3724659.83	0.01476
437372.54	3724653.08	0.01404	437881.58	3724640.61	0.02853
437264.12	3724657.00	0.01618	437280.47	3724650.25	0.01559
437296.82	3724643.51	0.01498	437313.18	3724636.76	0.01435
437329.53	3724630.01	0.01371	437345.88	3724623.26	0.01307
437160.12	3724722.43	0.02007	437253.81	3724620.43	0.01444
437270.17	3724613.68	0.01391	437286.52	3724606.94	0.01336
437302.87	3724600.19	0.01279	437319.22	3724593.44	0.01223
437133.46	3724692.61	0.01833	437120.17	3724650.84	0.01644
437106.80	3724662.79	0.01683	437106.87	3724609.07	0.01483
437093.51	3724621.02	0.01522	437080.14	3724632.96	0.01557
437080.21	3724579.25	0.01380	437066.85	3724591.20	0.01415
437053.49	3724603.14	0.01448	437000.17	3724543.50	0.01269
436986.87	3724501.73	0.01175	436973.51	3724513.68	0.01200
436986.94	3724448.02	0.01060	436973.58	3724459.97	0.01085
436960.21	3724471.91	0.01110	436946.85	3724483.86	0.01133
436975.14	3724408.85	0.00987	436960.28	3724418.20	0.01008

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436946.92	3724430.15	0.01032	436933.55	3724442.09	0.01053
436920.19	3724454.04	0.01073	437537.83	3725189.75	0.77034
437530.49	3725196.37	0.75820	437523.14	3725203.00	0.73745
437538.48	3725175.70	0.63846	437531.13	3725182.32	0.63949
437523.79	3725188.95	0.63340	437516.45	3725195.57	0.62000
437531.78	3725168.27	0.53998	437524.44	3725174.90	0.54197
437517.09	3725181.52	0.53877	437509.75	3725188.15	0.52991
437525.08	3725160.85	0.46360	437517.74	3725167.47	0.46653
437510.39	3725174.10	0.46498	437503.05	3725180.72	0.45898
437518.38	3725153.42	0.40298	437511.04	3725160.05	0.40637
437503.69	3725166.67	0.40597	437496.35	3725173.30	0.40213
437489.01	3725179.92	0.39508	437519.03	3725139.37	0.34770
437511.68	3725146.00	0.35394	437504.34	3725152.62	0.35741
437497.00	3725159.25	0.35788	437489.65	3725165.87	0.35543
437482.31	3725172.50	0.35028	437512.33	3725131.95	0.30788
437504.99	3725138.57	0.31363	437497.64	3725145.20	0.31704
437490.30	3725151.82	0.31795	437482.95	3725158.45	0.31642
437475.61	3725165.07	0.31259	437498.93	3725117.10	0.24664
437491.59	3725123.72	0.25166	437484.25	3725130.35	0.25487
437422.02	3725105.67	0.15070	437414.68	3725112.30	0.14990
437423.31	3725077.57	0.12927	437415.97	3725084.20	0.12988
437408.62	3725090.82	0.12997	437431.95	3725042.85	0.10775
437424.60	3725049.47	0.10977	437417.26	3725056.10	0.11134
437409.92	3725062.72	0.11245	437402.57	3725069.35	0.11315
437395.23	3725075.98	0.11343	437387.88	3725082.60	0.11327
437418.55	3725028.00	0.09465	437411.21	3725034.62	0.09639
437403.86	3725041.25	0.09778	437396.52	3725047.87	0.09880
437389.17	3725054.50	0.09945	437381.83	3725061.13	0.09979
437405.15	3725013.15	0.08383	437397.81	3725019.77	0.08535
437390.47	3725026.40	0.08659	437383.12	3725033.02	0.08751
437375.78	3725039.65	0.08815	437391.76	3724998.30	0.07480
437384.41	3725004.92	0.07613	437377.07	3725011.55	0.07722
437369.72	3725018.17	0.07806	437347.69	3725038.05	0.07921
437378.36	3724983.45	0.06719	437371.02	3724990.07	0.06836
437341.64	3725016.58	0.07112	437334.30	3725023.20	0.07135
437358.27	3724961.17	0.05784	437328.89	3724987.67	0.06093
437321.54	3724994.30	0.06131	437314.20	3725000.93	0.06148
437316.14	3724958.77	0.05257	437308.79	3724965.40	0.05305
437301.45	3724972.03	0.05334	437294.10	3724978.65	0.05347
437310.73	3724923.25	0.04509	437303.39	3724929.87	0.04572

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437296.04	3724936.50	0.04621	437288.70	3724943.12	0.04657
437281.35	3724949.75	0.04682	437274.01	3724956.38	0.04685
437290.63	3724900.97	0.04004	437283.29	3724907.60	0.04056
437275.95	3724914.22	0.04097	437268.60	3724920.85	0.04128
437261.26	3724927.48	0.04139	437253.91	3724934.10	0.04124
437270.54	3724878.70	0.03584	437263.19	3724885.32	0.03627
437255.85	3724891.95	0.03662	437248.51	3724898.58	0.03691
437241.16	3724905.20	0.03695	437233.82	3724911.83	0.03688
437250.44	3724856.42	0.03232	437243.10	3724863.05	0.03270
437235.75	3724869.67	0.03302	437228.41	3724876.30	0.03327
437221.07	3724882.93	0.03338	437213.72	3724889.55	0.03348
437230.35	3724834.15	0.02935	437223.00	3724840.77	0.02969
437215.66	3724847.40	0.02999	437208.32	3724854.03	0.03023
437200.97	3724860.65	0.03035	437193.63	3724867.28	0.03064
437210.25	3724811.87	0.02682	437202.91	3724818.50	0.02713
437195.56	3724825.12	0.02740	437188.22	3724831.75	0.02765
437180.88	3724838.38	0.02787	437173.53	3724845.00	0.02805
437197.50	3724782.97	0.02434	437190.16	3724789.60	0.02466
437182.81	3724796.22	0.02494	437175.47	3724802.85	0.02520
437168.12	3724809.48	0.02542	437160.78	3724816.10	0.02562
437153.44	3724822.73	0.02578	437177.41	3724760.70	0.02251
437170.06	3724767.32	0.02279	437162.72	3724773.95	0.02304
437155.37	3724780.57	0.02327	437148.03	3724787.20	0.02348
437140.68	3724793.83	0.02365	437133.34	3724800.45	0.02379
437150.61	3724731.00	0.02041	437143.27	3724737.62	0.02065
437135.92	3724744.25	0.02087	437128.58	3724750.88	0.02107
437121.23	3724757.50	0.02124	437113.89	3724764.13	0.02140
437106.55	3724770.75	0.02153	437123.82	3724701.30	0.01862
437116.47	3724707.92	0.01883	437109.13	3724714.55	0.01901
437101.78	3724721.18	0.01920	437094.44	3724727.80	0.01937
437087.10	3724734.43	0.01952	437079.75	3724741.05	0.01966
437097.02	3724671.60	0.01711	437089.68	3724678.22	0.01730
437082.34	3724684.85	0.01748	437074.99	3724691.48	0.01764
437067.65	3724698.10	0.01780	437060.30	3724704.73	0.01794
437052.96	3724711.35	0.01807	437070.23	3724641.90	0.01583
437062.89	3724648.52	0.01600	437055.54	3724655.15	0.01617
437048.20	3724661.78	0.01632	437040.85	3724668.40	0.01646
437033.51	3724675.03	0.01659	437026.16	3724681.65	0.01671
437043.44	3724612.20	0.01471	437036.09	3724618.82	0.01487
437028.75	3724625.45	0.01502	437021.40	3724632.08	0.01516

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437014.06	3724638.70	0.01528	437016.64	3724582.50	0.01372
437009.30	3724589.12	0.01387	437001.95	3724595.75	0.01400
436994.61	3724602.38	0.01412	436987.26	3724609.00	0.01424
436979.92	3724615.63	0.01434	436972.58	3724622.25	0.01443
436989.85	3724552.80	0.01287	436982.50	3724559.42	0.01300
436975.16	3724566.05	0.01312	436967.81	3724572.68	0.01322
436960.47	3724579.30	0.01332	436953.13	3724585.93	0.01342
436945.78	3724592.55	0.01350	436963.05	3724523.10	0.01217
436955.71	3724529.72	0.01228	436948.37	3724536.35	0.01239
436941.02	3724542.98	0.01249	436933.68	3724549.60	0.01258
436936.26	3724493.40	0.01150	436928.92	3724500.02	0.01161
436921.57	3724506.65	0.01172	436909.47	3724463.70	0.01088
436902.12	3724470.32	0.01098			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437487.55	3725277.38	138.65926	(14120216)	437484.49	3725268.74	133.88442	(14120216)
437503.24	3725300.11	143.46323	(14120216)	437480.19	3725284.30	128.58920	(14120216)
437474.25	3725267.49	121.15040	(14120216)	437483.16	3725292.71	128.13807	(14120216)
437495.80	3725306.79	129.06190	(14120216)	437472.81	3725291.16	118.98857	(14120216)
437466.99	3725274.69	116.10148	(14120216)	437465.41	3725297.97	111.33725	(14120216)
437459.69	3725281.75	111.52568	(14120216)	437453.96	3725265.54	103.03802	(14120216)
437474.60	3725313.11	108.17971	(14120216)	437458.01	3725304.75	104.40120	(14120216)
437452.35	3725288.73	106.37504	(14120216)	437446.70	3725272.72	101.00436	(14120216)
437441.04	3725256.70	88.85710	(14120216)	437467.16	3725319.79	99.35766	(14120216)
437473.48	3725326.83	96.76427	(14120216)	437442.90	3725317.47	89.92333	(14120216)
437439.85	3725308.82	92.89048	(14120216)	437436.79	3725300.17	94.79077	(14120216)
437433.74	3725291.52	94.56202	(14120216)	437430.68	3725282.88	92.83600	(14120216)
437427.63	3725274.23	89.42739	(14120216)	437424.58	3725265.58	84.48701	(14120216)
437445.95	3725326.11	85.82721	(14120216)	437452.27	3725333.15	83.25505	(14120216)
437458.59	3725340.19	79.95922	(14120216)	437428.10	3725331.07	76.79881	(14120216)
437422.16	3725314.25	83.69003	(14120216)	437419.20	3725305.85	85.57284	(14120216)
437431.07	3725339.47	72.23381	(14120216)	437437.39	3725346.51	68.83022	(14120216)
437443.71	3725353.55	65.23130	(14120216)	437413.06	3725343.97	65.07721	(14120216)
437409.92	3725335.10	69.56527	(14120216)	437406.79	3725326.23	73.31754	(14120216)
437416.19	3725352.83	60.05660	(14120216)	437422.51	3725359.87	56.49288	(14120216)
437359.44	3725228.20	39.65093	(14120216)	437363.39	3725219.93	35.78618	(14120216)
437410.73	3725120.58	40.05262	(14030409)	437339.39	3725227.32	35.41500	(14120216)
437347.13	3725211.08	28.51368	(13020515)	437354.87	3725194.85	30.24648	(13020515)
437397.41	3725105.57	35.26142	(14030409)	437340.44	3725304.84	61.28177	(14120216)
437337.33	3725296.03	60.38648	(14120216)	437334.22	3725287.23	58.62600	(14120216)
437331.11	3725278.42	55.93834	(14120216)	437319.57	3725225.95	31.44866	(14120216)
437323.59	3725217.52	27.84211	(14120216)	437327.61	3725209.08	24.88295	(13020515)
437331.63	3725200.65	25.82476	(13020515)	437335.65	3725192.22	26.52465	(13020515)
437339.66	3725183.79	26.97708	(13020515)	437338.34	3725354.39	46.31116	(14120216)
437335.28	3725345.74	49.54438	(14120216)	437332.23	3725337.10	52.30243	(14120216)
437329.17	3725328.45	54.48598	(14120216)	437326.12	3725319.80	55.98360	(14120216)
437323.07	3725311.16	56.63477	(14120216)	437320.01	3725302.51	56.37768	(14120216)
437316.96	3725293.86	55.24160	(14120216)	437313.90	3725285.21	53.30200	(14120216)
437310.85	3725276.57	50.57927	(14120216)	437299.53	3725225.05	28.28184	(14120216)
437303.47	3725216.77	25.04725	(14120216)	437307.42	3725208.49	21.78556	(14120216)
437311.36	3725200.21	22.60718	(13020515)	437315.31	3725191.93	23.27204	(13020515)
437319.25	3725183.65	23.76778	(13020515)	437346.87	3725125.70	28.38928	(14030409)
437350.81	3725117.42	29.12254	(14030409)	437354.76	3725109.15	29.52627	(14030409)
437358.71	3725100.87	29.55681	(14030409)	437320.72	3725360.02	41.93693	(14120216)
437317.71	3725351.51	44.90632	(14120216)	437314.71	3725342.99	47.56302	(14120216)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437311.70	3725334.47	49.72503	(14120216)	437308.69	3725325.96	51.32587	(14120216)
437305.68	3725317.44	52.27097	(14120216)	437302.68	3725308.92	52.46488	(14120216)
437299.67	3725300.41	51.91459	(14120216)	437296.66	3725291.89	50.61064	(14120216)
437293.65	3725283.37	48.56722	(14120216)	437290.65	3725274.86	45.88012	(14120216)
437279.50	3725224.12	25.56922	(14120216)	437287.27	3725207.82	19.81129	(14120216)
437295.04	3725191.51	20.59439	(13020515)	437298.92	3725183.36	21.07369	(13020515)
437326.12	3725126.28	24.92597	(14030409)	437333.89	3725109.97	26.30172	(14030409)
437337.78	3725101.82	26.71218	(14030409)	437345.55	3725085.51	26.65309	(14030409)
437349.43	3725077.36	26.16553	(14030409)	437299.01	3725354.04	41.88463	(14120216)
437295.91	3725345.27	44.27193	(14120216)	437292.81	3725336.50	46.25725	(14120216)
437289.72	3725327.72	47.75907	(14120216)	437286.62	3725318.95	48.54949	(14120216)
437283.52	3725310.18	48.60594	(14120216)	437280.42	3725301.41	47.96232	(14120216)
437277.32	3725292.63	46.62597	(14120216)	437274.23	3725283.86	44.65425	(14120216)
437271.13	3725275.09	42.18872	(14120216)	437259.64	3725222.83	23.13609	(14120216)
437263.64	3725214.43	20.48262	(14120216)	437267.64	3725206.03	17.85384	(14120216)
437271.65	3725197.63	17.90786	(13020515)	437275.65	3725189.23	18.44491	(13020515)
437279.65	3725180.83	18.87452	(13020515)	437307.67	3725122.04	22.15726	(14030409)
437311.67	3725113.64	23.16992	(14030409)	437315.67	3725105.24	23.88523	(14030409)
437319.68	3725096.84	24.27172	(14030409)	437323.68	3725088.44	24.35362	(14030409)
437327.68	3725080.05	24.34884	(14030409)	437331.68	3725071.65	24.07298	(14030409)
437335.68	3725063.25	23.52705	(14030409)	437339.69	3725054.85	22.73125	(14030409)
437343.69	3725046.45	21.74364	(13121916)	437308.96	3725437.71	25.17392	(13020516)
437305.90	3725429.06	24.64980	(13020516)	437302.85	3725420.42	23.93543	(13020516)
437299.79	3725411.77	23.02464	(13020516)	437296.74	3725403.12	24.39828	(14120216)
437278.42	3725351.24	40.07420	(14120216)	437275.36	3725342.59	41.97983	(14120216)
437272.31	3725333.94	43.44395	(14120216)	437269.26	3725325.29	44.37101	(14120216)
437266.20	3725316.65	44.61844	(14120216)	437263.15	3725308.00	44.34419	(14120216)
437250.93	3725273.41	38.24981	(14120216)	437239.61	3725221.89	21.06189	(14120216)
437243.56	3725213.61	18.66743	(14120216)	437247.50	3725205.34	16.32020	(14120216)
437251.45	3725197.06	16.02810	(13020515)	437255.39	3725188.78	16.52563	(13020515)
437259.34	3725180.50	16.90123	(13020515)	437263.28	3725172.22	17.23062	(13020515)
437294.84	3725105.99	21.04899	(14030409)	437298.79	3725097.71	21.74405	(14030409)
437302.73	3725089.43	22.20669	(14030409)	437306.68	3725081.15	22.40984	(14030409)
437310.62	3725072.87	22.25057	(14030409)	437314.57	3725064.60	22.06594	(14030409)
437318.51	3725056.32	21.68317	(14030409)	437322.46	3725048.04	21.07912	(14030409)
437326.40	3725039.76	20.28673	(14030409)	437330.35	3725031.48	19.86877	(13121916)
437312.01	3725446.36	25.50222	(13020516)	437318.33	3725453.40	26.01319	(13020516)
437286.58	3725457.59	22.51829	(13020516)	437283.46	3725448.78	22.21044	(13020516)
437280.35	3725439.98	21.74304	(13020516)	437277.24	3725431.17	21.12498	(13020516)
437274.13	3725422.36	20.36592	(13020516)	437271.02	3725413.55	20.78256	(14120216)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437267.91	3725404.75	23.19909	(14120216)	437227.48	3725290.25	36.10831	(14120216)
437224.37	3725281.44	34.77693	(14120216)	437221.26	3725272.63	32.99210	(14120216)
437218.15	3725263.83	30.83571	(14120216)	437209.72	3725220.16	18.67052	(14120216)
437213.74	3725211.73	16.48342	(14120216)	437217.76	3725203.30	14.30551	(14120216)
437221.78	3725194.87	13.87239	(13020515)	437225.80	3725186.43	14.36935	(13020515)
437229.82	3725178.00	14.77978	(13020515)	437278.04	3725076.82	19.39232	(14030409)
437282.05	3725068.38	19.65992	(14030409)	437286.07	3725059.95	19.71407	(14030409)
437290.09	3725051.52	19.55689	(14030409)	437294.11	3725043.09	19.17686	(14030409)
437298.13	3725034.65	18.57467	(14030409)	437302.14	3725026.22	17.94304	(14030409)
437306.16	3725017.79	17.65764	(13121916)	437310.18	3725009.36	17.37281	(13121916)
437289.69	3725466.40	22.65850	(13020516)	437296.01	3725473.44	22.96975	(13020516)
437302.33	3725480.48	23.08905	(13020516)	437264.31	3725477.79	20.12045	(13020516)
437261.25	3725469.15	19.98186	(13020516)	437258.20	3725460.50	19.70977	(13020516)
437255.15	3725451.85	19.31264	(13020516)	437252.09	3725443.20	18.79267	(13020516)
437249.04	3725434.56	18.16672	(13020516)	437245.99	3725425.91	17.43660	(13020516)
437242.93	3725417.26	19.37678	(14120216)	437239.88	3725408.61	21.37984	(14120216)
437236.82	3725399.97	23.36778	(14120216)	437215.45	3725339.43	33.31406	(14120216)
437212.39	3725330.79	33.73320	(14120216)	437209.34	3725322.14	33.83228	(14120216)
437206.29	3725313.49	33.60582	(14120216)	437203.23	3725304.84	33.05612	(14120216)
437200.18	3725296.20	32.19988	(14120216)	437197.12	3725287.55	31.06913	(14120216)
437194.07	3725278.90	29.68889	(14120216)	437191.02	3725270.25	28.09257	(14120216)
437187.96	3725261.61	26.33030	(14120216)	437179.69	3725218.74	16.94410	(14120216)
437183.64	3725210.46	15.30435	(14120216)	437187.58	3725202.18	13.46823	(14120216)
437191.53	3725193.90	12.32117	(13020515)	437195.47	3725185.62	12.78228	(13020515)
437199.42	3725177.34	13.19568	(13020515)	437258.60	3725053.16	17.27014	(14030409)
437262.54	3725044.88	17.30759	(14030409)	437266.49	3725036.60	17.19435	(14030409)
437270.43	3725028.32	16.92148	(14030409)	437274.38	3725020.05	16.49792	(14030409)
437278.32	3725011.77	16.15114	(13121916)	437282.27	3725003.49	15.94885	(13121916)
437286.21	3724995.21	15.60356	(13121916)	437290.16	3724986.93	15.18601	(13121916)
437235.73	3725480.13	17.81125	(13020516)	437232.63	3725471.35	17.55707	(13020516)
437229.53	3725462.57	17.19401	(13020516)	437226.43	3725453.79	16.72154	(13020516)
437223.33	3725445.00	16.15062	(13020516)	437220.23	3725436.22	15.48764	(13020516)
437217.12	3725427.44	16.60882	(14120216)	437214.02	3725418.66	18.42120	(14120216)
437210.92	3725409.87	20.23456	(14120216)	437207.82	3725401.09	22.01566	(14120216)
437189.21	3725348.40	29.95096	(14120216)	437186.11	3725339.61	30.50283	(14120216)
437183.01	3725330.83	30.77205	(14120216)	437164.40	3725278.13	26.60727	(14120216)
437161.30	3725269.35	25.12352	(14120216)	437158.20	3725260.57	23.50326	(14120216)
437149.80	3725217.03	15.04909	(14120216)	437153.80	3725208.62	13.67407	(14120216)
437157.81	3725200.21	12.29334	(14120216)	437161.82	3725191.81	10.96715	(13020515)
437165.82	3725183.40	11.40702	(13020515)	437169.83	3725174.99	11.80302	(13020515)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437209.90	3725090.91	13.40638	(12112216)	437241.95	3725023.64	15.32653	(14030409)
437245.96	3725015.23	15.06594	(14030409)	437249.97	3725006.83	14.68718	(14030409)
437253.97	3724998.42	14.55192	(13121916)	437257.98	3724990.01	14.46004	(13121916)
437261.99	3724981.60	14.26723	(13121916)	437265.99	3724973.19	13.97548	(13121916)
437270.00	3724964.78	13.58678	(13121916)	437203.85	3725473.11	15.35434	(13020516)
437200.71	3725464.21	14.91430	(13020516)	437197.56	3725455.31	14.39410	(13020516)
437194.42	3725446.41	13.80129	(13020516)	437191.28	3725437.50	14.32069	(14120216)
437188.13	3725428.60	15.95188	(14120216)	437184.99	3725419.70	17.60250	(14120216)
437181.85	3725410.80	19.23955	(14120216)	437178.70	3725401.90	20.83173	(14120216)
437175.56	3725393.00	22.34793	(14120216)	437153.55	3725330.68	28.19713	(14120216)
437150.41	3725321.78	28.09483	(14120216)	437147.27	3725312.88	27.73048	(14120216)
437144.12	3725303.98	27.11660	(14120216)	437140.98	3725295.08	26.27034	(14120216)
437137.84	3725286.17	25.21565	(14120216)	437134.69	3725277.27	23.98366	(14120216)
437131.55	3725268.37	22.60549	(14120216)	437128.41	3725259.47	21.12030	(14120216)
437118.97	3725232.76	16.31057	(14120216)	437119.89	3725215.34	13.46064	(14120216)
437123.95	3725206.82	12.21434	(14120216)	437128.01	3725198.29	10.97353	(14120216)
437132.08	3725189.77	9.89978	(14120215)	437136.14	3725181.25	10.14270	(13020515)
437164.57	3725121.59	11.67631	(13020515)	437168.63	3725113.07	11.66055	(13020515)
437172.69	3725104.55	11.80183	(12112216)	437176.75	3725096.03	12.05918	(12112216)
437180.81	3725087.50	12.25914	(12112216)	437184.87	3725078.98	12.38840	(12112216)
437188.93	3725070.46	12.45486	(12112216)	437192.99	3725061.94	12.92208	(14030409)
437225.48	3724993.76	13.27009	(14030409)	437229.55	3724985.24	13.12391	(13121916)
437233.61	3724976.71	13.07872	(13121916)	437237.67	3724968.19	12.94418	(13121916)
437241.73	3724959.67	12.72940	(13121916)	437245.79	3724951.15	12.43700	(13121916)
437249.85	3724942.62	12.14808	(13112215)	437175.63	3725476.45	13.48460	(13020516)
437172.53	3725467.68	13.03559	(13020516)	437169.44	3725458.92	12.52677	(13020516)
437166.34	3725450.16	11.96448	(13020516)	437163.25	3725441.39	13.38328	(14120216)
437160.15	3725432.63	14.83763	(14120216)	437157.06	3725423.86	16.30140	(14120216)
437153.96	3725415.10	17.74957	(14120216)	437150.87	3725406.33	19.16097	(14120216)
437147.77	3725397.57	20.50302	(14120216)	437135.39	3725362.51	24.66742	(14120216)
437132.30	3725353.75	25.28858	(14120216)	437129.20	3725344.98	25.70890	(14120216)
437126.11	3725336.22	25.91462	(14120216)	437123.01	3725327.46	25.90012	(14120216)
437119.92	3725318.69	25.65991	(14120216)	437116.82	3725309.93	25.20383	(14120216)
437113.73	3725301.16	24.54546	(14120216)	437110.63	3725292.40	23.70305	(14120216)
437107.54	3725283.63	22.70066	(14120216)	437101.35	3725266.11	20.30075	(14120216)
437088.97	3725231.05	14.67955	(14120216)	437089.87	3725213.89	12.15913	(14120216)
437093.87	3725205.50	11.05533	(14120216)	437097.87	3725197.11	9.96268	(14120216)
437101.87	3725188.72	9.05287	(14120215)	437105.87	3725180.33	8.99735	(13020515)
437129.86	3725129.99	10.50551	(13020515)	437133.85	3725121.59	10.60292	(13020515)
437137.85	3725113.20	10.65003	(13020515)	437141.85	3725104.81	10.64376	(13020515)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437145.85	3725096.42	10.65697	(12112216)	437149.85	3725088.03	10.89924	(12112216)
437153.85	3725079.64	11.09522	(12112216)	437157.85	3725071.25	11.24614	(12112216)
437161.84	3725062.86	11.34940	(12112216)	437165.84	3725054.47	11.53294	(14030409)
437169.84	3725046.08	11.93293	(14030409)	437173.84	3725037.69	12.25503	(14030409)
437177.84	3725029.30	12.49516	(14030409)	437213.82	3724953.78	11.76733	(13121916)
437217.82	3724945.39	11.60473	(13121916)	437221.82	3724937.00	11.37144	(13121916)
437225.82	3724928.61	11.08417	(13121916)	437229.82	3724920.22	11.11932	(13112215)
437143.61	3725469.04	11.24087	(13020516)	437140.48	3725460.17	10.73617	(13020516)
437137.35	3725451.30	11.44718	(14120216)	437134.22	3725442.44	12.85814	(14120216)
437131.08	3725433.57	14.26918	(14120216)	437127.95	3725424.70	15.63661	(14120216)
437124.82	3725415.83	16.95056	(14120216)	437121.69	3725406.96	18.21827	(14120216)
437109.16	3725371.48	22.33229	(14120216)	437106.03	3725362.61	23.00960	(14120216)
437102.90	3725353.74	23.51121	(14120216)	437080.97	3725291.66	21.64249	(14120216)
437077.84	3725282.79	20.68961	(14120216)	437074.71	3725273.92	19.61602	(14120216)
437071.57	3725265.05	18.44460	(14120216)	437062.18	3725238.44	14.60341	(14120216)
437059.05	3725229.58	13.29483	(14120216)	437059.96	3725212.21	11.00689	(14120216)
437064.01	3725203.72	10.00573	(14120216)	437068.05	3725195.23	9.01661	(14120216)
437072.10	3725186.74	8.24938	(14120215)	437076.15	3725178.25	8.05189	(13020515)
437104.47	3725118.81	9.63523	(13020515)	437108.52	3725110.32	9.70755	(13020515)
437112.56	3725101.83	9.73154	(13020515)	437116.61	3725093.34	9.70833	(13020515)
437120.66	3725084.85	9.70422	(12112216)	437124.70	3725076.36	9.91808	(12112216)
437128.75	3725067.87	10.09477	(12112216)	437132.79	3725059.37	10.23184	(12112216)
437136.84	3725050.88	10.32792	(12112216)	437140.89	3725042.39	10.52317	(14030409)
437144.93	3725033.90	10.88508	(14030409)	437148.98	3725025.41	11.18361	(14030409)
437153.03	3725016.92	11.41133	(14030409)	437157.07	3725008.43	11.56471	(14030409)
437161.12	3724999.94	11.64207	(14030409)	437197.54	3724923.52	10.42297	(13121916)
437201.58	3724915.03	10.19864	(13121916)	437205.63	3724906.53	10.00044	(13112215)
437209.68	3724898.04	10.10643	(13112215)	437115.57	3725472.89	9.87062	(13020516)
437112.48	3725464.14	9.77784	(11120516)	437109.39	3725455.39	10.67447	(14120216)
437106.30	3725446.64	11.94083	(14120216)	437103.21	3725437.89	13.23105	(14120216)
437100.12	3725429.14	14.49890	(14120216)	437097.03	3725420.39	15.71399	(14120216)
437093.94	3725411.64	16.86083	(14120216)	437081.58	3725376.64	20.55303	(14120216)
437078.49	3725367.89	21.20852	(14120216)	437075.40	3725359.13	21.73954	(14120216)
437072.31	3725350.38	22.02085	(14120216)	437069.22	3725341.63	22.15224	(14120216)
437066.13	3725332.88	22.13654	(14120216)	437063.04	3725324.13	21.94981	(14120216)
437059.95	3725315.38	21.59678	(14120216)	437056.86	3725306.63	21.08594	(14120216)
437053.77	3725297.88	20.42914	(14120216)	437050.68	3725289.13	19.64094	(14120216)
437047.59	3725280.38	18.73757	(14120216)	437044.50	3725271.63	17.73923	(14120216)
437041.41	3725262.88	16.66751	(14120216)	437032.14	3725236.63	13.21787	(14120216)
437029.05	3725227.88	12.05315	(14120216)	437029.95	3725210.75	10.02141	(14120216)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437033.94	3725202.37	9.13261	(14120216)	437037.93	3725194.00	8.25670	(14120216)
437041.92	3725185.62	7.57859	(14120215)	437045.92	3725177.24	7.19405	(13020515)
437085.84	3725093.47	8.89716	(13020515)	437089.83	3725085.09	8.87803	(13020515)
437093.82	3725076.71	8.82225	(13020515)	437097.81	3725068.33	8.94282	(12112216)
437101.81	3725059.96	9.11355	(12112216)	437105.80	3725051.58	9.25112	(12112216)
437109.79	3725043.20	9.35345	(12112216)	437113.78	3725034.83	9.41584	(14030409)
437117.78	3725026.45	9.76690	(14030409)	437121.77	3725018.07	10.06841	(14030409)
437125.76	3725009.69	10.31342	(14030409)	437129.75	3725001.32	10.49820	(14030409)
437133.74	3724992.94	10.61872	(14030409)	437137.74	3724984.56	10.67484	(14030409)
437141.73	3724976.18	10.66298	(14030409)	437145.72	3724967.81	10.58399	(14030409)
437177.66	3724900.79	9.35866	(13121916)	437181.65	3724892.41	9.13349	(13121916)
437185.64	3724884.03	9.09128	(13112215)	437189.63	3724875.65	9.15345	(13112215)
437086.57	3725474.03	9.11994	(11120516)	437083.45	3725465.18	9.26028	(14120216)
437080.32	3725456.34	10.43366	(14120216)	437077.20	3725447.49	11.62437	(14120216)
437074.08	3725438.65	12.80367	(14120216)	437070.95	3725429.81	13.97588	(14120216)
437067.83	3725420.96	15.12398	(14120216)	437064.71	3725412.12	16.22413	(14120216)
437055.34	3725385.59	19.03043	(14120216)	437052.21	3725376.74	19.74200	(14120216)
437049.09	3725367.90	20.29489	(14120216)	437045.97	3725359.05	20.67497	(14120216)
437042.85	3725350.21	20.88322	(14120216)	437039.72	3725341.37	20.91924	(14120216)
437036.60	3725332.52	20.78521	(14120216)	437024.11	3725297.15	18.78037	(14120216)
437020.98	3725288.30	18.01366	(14120216)	437017.86	3725279.46	17.16070	(14120216)
437014.74	3725270.61	16.22598	(14120216)	437011.61	3725261.77	15.22969	(14120216)
437002.24	3725235.24	12.05212	(14120216)	436999.12	3725226.39	10.98424	(14120216)
437000.03	3725209.08	9.12840	(14120216)	437004.07	3725200.62	8.31878	(14120216)
437008.10	3725192.15	7.52014	(14120216)	437012.14	3725183.68	6.95147	(14120215)
437048.45	3725107.48	8.03123	(13020515)	437052.49	3725099.01	8.10060	(13020515)
437056.52	3725090.55	8.13886	(13020515)	437060.56	3725082.08	8.14905	(13020515)
437064.59	3725073.61	8.12112	(13020515)	437068.62	3725065.14	8.06114	(13020515)
437072.66	3725056.68	8.13641	(12112216)	437076.69	3725048.21	8.29169	(12112216)
437080.73	3725039.74	8.41781	(12112216)	437084.76	3725031.28	8.51184	(12112216)
437088.80	3725022.81	8.63126	(14030409)	437092.83	3725014.34	8.95441	(14030409)
437096.87	3725005.88	9.23313	(14030409)	437100.90	3724997.41	9.46274	(14030409)
437104.94	3724988.94	9.63692	(14030409)	437108.97	3724980.47	9.75386	(14030409)
437113.01	3724972.01	9.81108	(14030409)	437117.04	3724963.54	9.81020	(14030409)
437121.08	3724955.07	9.75139	(14030409)	437125.11	3724946.61	9.63440	(14030409)
437129.15	3724938.14	9.45949	(14030409)	437161.43	3724870.40	8.34491	(13112215)
437165.46	3724861.94	8.43644	(13112215)	437169.50	3724853.47	8.48659	(13112215)
437003.07	3725320.85	19.28166	(14120216)	436999.99	3725312.11	18.82664	(14120216)
436996.90	3725303.37	18.24592	(14120216)	436993.82	3725294.63	17.55534	(14120216)
436990.73	3725285.89	16.76610	(14120216)	436987.64	3725277.15	15.90903	(14120216)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436984.56	3725268.41	14.99980	(14120216)	436972.21	3725233.45	10.96742	(14120216)
436969.13	3725224.71	9.97398	(14120216)	436970.03	3725207.61	8.35618	(14120216)
436974.01	3725199.24	7.63017	(14120216)	436978.00	3725190.87	6.91592	(14120216)
436981.99	3725182.51	6.43179	(14120215)	437009.90	3725123.94	7.05406	(13020515)
437013.88	3725115.57	7.17135	(13020515)	437017.87	3725107.20	7.27366	(13020515)
437021.86	3725098.84	7.35516	(13020515)	437025.85	3725090.47	7.41070	(13020515)
437029.83	3725082.10	7.44795	(13020515)	437033.82	3725073.73	7.46968	(13020515)
437037.81	3725065.37	7.46071	(13020515)	437041.79	3725057.00	7.42051	(13020515)
437045.78	3725048.63	7.38737	(12112216)	437049.77	3725040.27	7.53052	(12112216)
437053.76	3725031.90	7.65270	(12112216)	437057.74	3725023.53	7.74560	(12112216)
437061.73	3725015.17	7.80648	(12112216)	437065.72	3725006.80	8.08200	(14030409)
437069.71	3724998.43	8.35521	(14030409)	437073.69	3724990.07	8.58619	(14030409)
437077.68	3724981.70	8.77421	(14030409)	437081.67	3724973.33	8.91636	(14030409)
437085.65	3724964.96	9.00883	(14030409)	437089.64	3724956.60	9.05227	(14030409)
437093.63	3724948.23	9.04600	(14030409)	437097.62	3724939.86	8.98985	(14030409)
437101.60	3724931.50	8.88399	(14030409)	437105.59	3724923.13	8.72926	(14030409)
437109.58	3724914.76	8.53183	(14030409)	437137.49	3724856.19	7.76091	(13121916)
437141.47	3724847.83	7.75372	(13112215)	437145.46	3724839.46	7.82557	(13112215)
437149.45	3724831.09	7.86260	(13112215)	437032.68	3725487.94	7.91268	(11120516)
437029.56	3725479.11	7.84157	(11120516)	437026.45	3725470.29	8.54185	(14120216)
437023.33	3725461.47	9.52276	(14120216)	437020.22	3725452.64	10.53354	(14120216)
437017.10	3725443.82	11.55761	(14120216)	437013.98	3725434.99	12.58305	(14120216)
437010.87	3725426.17	13.58426	(14120216)	436998.40	3725390.87	17.00241	(14120216)
436995.29	3725382.05	17.62417	(14120216)	436992.17	3725373.23	18.12467	(14120216)
436989.05	3725364.40	18.49184	(14120216)	436985.94	3725355.58	18.71904	(14120216)
436982.82	3725346.75	18.79384	(14120216)	436979.71	3725337.93	18.71231	(14120216)
436976.59	3725329.11	18.47989	(14120216)	436973.47	3725320.28	18.13185	(14120216)
436970.36	3725311.46	17.67802	(14120216)	436967.24	3725302.63	17.11164	(14120216)
436964.13	3725293.81	16.45060	(14120216)	436961.01	3725284.99	15.71613	(14120216)
436957.89	3725276.16	14.89025	(14120216)	436954.78	3725267.34	13.98502	(14120216)
436945.43	3725240.87	10.99799	(14120216)	436942.31	3725232.04	10.01163	(14120216)
436939.20	3725223.22	9.06389	(14120216)	436940.11	3725205.95	7.50729	(14120216)
436944.13	3725197.50	6.85949	(14120216)	436948.16	3725189.05	6.26014	(14120216)
436952.18	3725180.60	5.95538	(12121309)	436988.41	3725104.57	6.69015	(13020515)
436992.44	3725096.13	6.76904	(13020515)	436996.47	3725087.68	6.82412	(13020515)
437000.49	3725079.23	6.86751	(13020515)	437004.52	3725070.78	6.89051	(13020515)
437008.54	3725062.33	6.89058	(13020515)	437012.57	3725053.89	6.87339	(13020515)
437016.59	3725045.44	6.84212	(13020515)	437020.62	3725036.99	6.79979	(12112216)
437024.65	3725028.54	6.94035	(12112216)	437028.67	3725020.10	7.03545	(12112216)
437032.70	3725011.65	7.10722	(12112216)	437036.72	3725003.20	7.17537	(14030409)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437040.75	3724994.75	7.45181	(14030409)	437044.77	3724986.30	7.69336	(14030409)
437048.80	3724977.86	7.90315	(14030409)	437052.83	3724969.41	8.07449	(14030409)
437056.85	3724960.96	8.20744	(14030409)	437060.88	3724952.51	8.30278	(14030409)
437064.90	3724944.06	8.35311	(14030409)	437068.93	3724935.62	8.35821	(14030409)
437072.95	3724927.17	8.31860	(14030409)	437076.98	3724918.72	8.23221	(14030409)
437081.01	3724910.27	8.10136	(14030409)	437085.03	3724901.83	7.93485	(14030409)
437089.06	3724893.38	7.73782	(13121916)	437093.08	3724884.93	7.73735	(13121916)
437117.24	3724834.24	7.12988	(13112215)	437121.26	3724825.80	7.21012	(13112215)
437125.29	3724817.35	7.26317	(13112215)	437129.31	3724808.90	7.28767	(13112215)
436993.23	3725487.24	7.19817	(11120516)	436990.10	3725478.37	7.56124	(14120216)
436986.97	3725469.50	8.45841	(14120216)	436983.83	3725460.63	9.39042	(14120216)
436980.70	3725451.76	10.34105	(14120216)	436977.57	3725442.89	11.29558	(14120216)
436974.44	3725434.02	12.23656	(14120216)	436965.04	3725407.41	14.80096	(14120216)
436961.91	3725398.54	15.51908	(14120216)	436946.25	3725354.20	17.43035	(14120216)
436943.12	3725345.33	17.41293	(14120216)	436939.98	3725336.46	17.26772	(14120216)
436936.85	3725327.59	17.00212	(14120216)	436933.72	3725318.72	16.64966	(14120216)
436930.59	3725309.85	16.18761	(14120216)	436927.46	3725300.98	15.62296	(14120216)
436924.32	3725292.11	14.96949	(14120216)	436921.19	3725283.24	14.23180	(14120216)
436918.06	3725274.38	13.41757	(14120216)	436914.93	3725265.51	12.54347	(14120216)
436905.53	3725238.90	9.77959	(14120216)	436902.40	3725230.03	8.88302	(14120216)
436899.27	3725221.16	8.01954	(14120216)	436900.18	3725203.80	6.56210	(14120216)
436904.23	3725195.31	5.94607	(14120216)	436908.27	3725186.82	5.67917	(12121309)
436912.32	3725178.33	5.70612	(12121309)	436948.74	3725101.91	5.98007	(13020515)
436952.78	3725093.42	6.07593	(13020515)	436956.83	3725084.92	6.15287	(13020515)
436960.88	3725076.43	6.19801	(13020515)	436964.92	3725067.94	6.21922	(13020515)
436968.97	3725059.45	6.22028	(13020515)	436973.02	3725050.96	6.21743	(13020515)
436977.06	3725042.47	6.20559	(13020515)	436981.11	3725033.98	6.17314	(13020515)
436985.16	3725025.49	6.12043	(13020515)	436989.20	3725017.00	6.13567	(12112216)
436993.25	3725008.50	6.23103	(12112216)	436997.29	3725000.01	6.30703	(12112216)
437001.34	3724991.52	6.35786	(14122616)	437005.39	3724983.03	6.55533	(14030409)
437009.43	3724974.54	6.77546	(14030409)	437013.48	3724966.05	6.96752	(14030409)
437017.53	3724957.56	7.15925	(14030409)	437021.57	3724949.07	7.31921	(14030409)
437025.62	3724940.58	7.44344	(14030409)	437029.67	3724932.08	7.53870	(14030409)
437033.71	3724923.59	7.59564	(14030409)	437037.76	3724915.10	7.58659	(14030409)
437041.80	3724906.61	7.52928	(14030409)	437045.85	3724898.12	7.45482	(14030409)
437049.90	3724889.63	7.34397	(14030409)	437053.94	3724881.14	7.19707	(14030409)
437057.99	3724872.65	7.01143	(14030409)	437062.04	3724864.15	7.00439	(13121916)
437066.08	3724855.66	6.97856	(13121916)	437070.13	3724847.17	6.92168	(13121916)
437090.36	3724804.72	6.51876	(13112215)	437094.41	3724796.23	6.57971	(13112215)
437098.45	3724787.73	6.61267	(13112215)	437102.50	3724779.24	6.61970	(13112215)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436956.87	3725495.29	6.61887	(11120516)	436953.73	3725486.38	6.69893	(14120216)
436950.58	3725477.47	7.52240	(14120216)	436947.43	3725468.56	8.38846	(14120216)
436944.29	3725459.65	9.27274	(14120216)	436941.14	3725450.74	10.16069	(14120216)
436938.00	3725441.83	11.03937	(14120216)	436925.41	3725406.20	14.17316	(14120216)
436922.26	3725397.29	14.77513	(14120216)	436919.12	3725388.38	15.27724	(14120216)
436915.97	3725379.47	15.67419	(14120216)	436912.82	3725370.56	15.96205	(14120216)
436887.65	3725299.28	14.26728	(14120216)	436884.51	3725290.37	13.60517	(14120216)
436881.36	3725281.46	12.87621	(14120216)	436878.22	3725272.55	12.09161	(14120216)
436865.63	3725236.92	8.71691	(14120216)	436862.48	3725228.01	7.91174	(14120216)
436859.34	3725219.10	7.14761	(14120216)	436860.26	3725201.66	5.87135	(14120216)
436864.32	3725193.13	5.43909	(12121309)	436868.39	3725184.60	5.46911	(12121309)
436900.90	3725116.36	5.53049	(12121309)	436904.97	3725107.83	5.51702	(12121309)
436909.03	3725099.30	5.49863	(12121309)	436913.10	3725090.77	5.47461	(12121309)
436917.16	3725082.24	5.51181	(13020515)	436921.23	3725073.71	5.57280	(13020515)
436925.29	3725065.18	5.61371	(13020515)	436929.36	3725056.65	5.63523	(13020515)
436933.42	3725048.12	5.64945	(13020515)	436937.49	3725039.59	5.64570	(13020515)
436941.55	3725031.06	5.62365	(13020515)	436945.62	3725022.53	5.58678	(13020515)
436949.68	3725014.00	5.53326	(13020515)	436953.74	3725005.47	5.46692	(14122616)
436957.81	3724996.94	5.59779	(14122616)	436961.87	3724988.41	5.72201	(14122616)
436965.94	3724979.88	5.82962	(14122616)	436970.00	3724971.36	5.91516	(14122616)
436974.07	3724962.83	6.00098	(14030409)	436978.13	3724954.30	6.21000	(14030409)
436982.20	3724945.77	6.39287	(14030409)	436986.26	3724937.24	6.54550	(14030409)
436990.33	3724928.71	6.71408	(14030409)	436994.39	3724920.18	6.85192	(14030409)
436998.46	3724911.65	6.93444	(14030409)	437002.52	3724903.12	6.94373	(14030409)
437006.59	3724894.59	6.94027	(14030409)	437010.65	3724886.06	6.90071	(14030409)
437014.72	3724877.53	6.82501	(14030409)	437018.78	3724869.00	6.71139	(14030409)
437022.85	3724860.47	6.56616	(14030409)	437026.91	3724851.94	6.39368	(14030409)
437059.43	3724783.70	5.91389	(13112215)	437063.49	3724775.17	5.98076	(13112215)
437067.56	3724766.64	6.02638	(13112215)	437071.62	3724758.11	6.04606	(13112215)
437075.69	3724749.58	6.04325	(13112215)	436918.73	3725498.29	5.99031	(11120516)
436915.62	3725489.49	6.44231	(14120216)	436912.52	3725480.70	7.18827	(14120216)
436909.41	3725471.90	7.96465	(14120216)	436906.31	3725463.11	8.75912	(14120216)
436903.20	3725454.32	9.55765	(14120216)	436900.10	3725445.52	10.34974	(14120216)
436893.88	3725427.93	11.85660	(14120216)	436890.78	3725419.14	12.54150	(14120216)
436887.67	3725410.35	13.16328	(14120216)	436884.57	3725401.55	13.71127	(14120216)
436881.46	3725392.76	14.17284	(14120216)	436878.36	3725383.96	14.54406	(14120216)
436875.25	3725375.17	14.82616	(14120216)	436872.15	3725366.38	15.00511	(14120216)
436869.04	3725357.58	15.07891	(14120216)	436865.94	3725348.79	15.05674	(14120216)
436862.83	3725339.99	14.92753	(14120216)	436859.72	3725331.20	14.69118	(14120216)
436856.62	3725322.41	14.35685	(14120216)	436853.51	3725313.61	13.93323	(14120216)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436850.41	3725304.82	13.42637	(14120216)	436847.30	3725296.02	12.84581	(14120216)
436844.20	3725287.23	12.20576	(14120216)	436841.09	3725278.44	11.51446	(14120216)
436837.99	3725269.64	10.78516	(14120216)	436828.67	3725243.26	8.50453	(14120216)
436825.56	3725234.47	7.75647	(14120216)	436822.46	3725225.67	7.03913	(14120216)
436819.35	3725216.88	6.35227	(14120216)	436820.26	3725199.66	5.20568	(12121309)
436824.27	3725191.25	5.23836	(12121309)	436828.28	3725182.83	5.26726	(12121309)
436876.43	3725081.80	5.28131	(12121309)	436880.44	3725073.38	5.25488	(12121309)
436884.45	3725064.96	5.22476	(12121309)	436888.46	3725056.54	5.18958	(12121309)
436892.48	3725048.12	5.15575	(13020515)	437032.90	3724753.45	5.43716	(13112215)
437036.91	3724745.03	5.49038	(13112215)	437040.92	3724736.61	5.52464	(13112215)
437044.93	3724728.19	5.53677	(13112215)	437048.95	3724719.77	5.53065	(13112215)
436848.05	3725409.15	12.58325	(14120216)	436844.93	3725400.32	13.05141	(14120216)
436841.81	3725391.48	13.44194	(14120216)	436838.69	3725382.65	13.74214	(14120216)
436835.57	3725373.82	13.94054	(14120216)	436832.45	3725364.98	14.04338	(14120216)
436829.33	3725356.15	14.04915	(14120216)	436826.21	3725347.32	13.96545	(14120216)
436823.09	3725338.48	13.78630	(14120216)	436819.97	3725329.65	13.51628	(14120216)
436816.85	3725320.81	13.16575	(14120216)	436813.74	3725311.98	12.73954	(14120216)
436810.62	3725303.15	12.24179	(14120216)	436807.50	3725294.31	11.67899	(14120216)
436804.38	3725285.48	11.06253	(14120216)	436801.26	3725276.65	10.40929	(14120216)
436798.14	3725267.81	9.72988	(14120216)	436795.02	3725258.98	9.03599	(14120216)
436791.90	3725250.15	8.33891	(14120216)	436788.78	3725241.31	7.64865	(14120216)
436785.66	3725232.48	6.97486	(14120216)	436782.54	3725223.65	6.32156	(14120216)
436779.42	3725214.81	5.69384	(14120216)	436780.33	3725197.52	5.02688	(12121309)
436816.60	3725121.41	5.17508	(12121309)	436820.63	3725112.95	5.17269	(12121309)
436824.66	3725104.50	5.16513	(12121309)	436828.69	3725096.04	5.15348	(12121309)
436832.72	3725087.58	5.13809	(12121309)	436836.75	3725079.13	5.11994	(12121309)
436840.78	3725070.67	5.09759	(12121309)	436844.81	3725062.21	5.07165	(12121309)
436848.84	3725053.76	5.04236	(12121309)	437010.04	3724715.48	5.04930	(13112215)
437014.07	3724707.02	5.07360	(13112215)	437018.10	3724698.57	5.08014	(13112215)
437022.13	3724690.11	5.06995	(13112215)	436845.98	3725514.30	5.34245	(16010409)
436842.85	3725505.43	5.38270	(16010409)	436839.72	3725496.56	5.89424	(14120216)
436836.58	3725487.69	6.53757	(14120216)	436833.45	3725478.82	7.19881	(14120216)
436830.32	3725469.95	7.86943	(14120216)	436824.06	3725452.21	9.20422	(14120216)
436789.60	3725354.65	13.01668	(14120216)	436786.47	3725345.78	12.89017	(14120216)
436783.34	3725336.91	12.68173	(14120216)	436780.21	3725328.05	12.39650	(14120216)
436777.07	3725319.18	12.04523	(14120216)	436773.94	3725310.31	11.62852	(14120216)
436770.81	3725301.44	11.15086	(14120216)	436767.68	3725292.57	10.61755	(14120216)
436764.55	3725283.70	10.03863	(14120216)	436761.41	3725274.83	9.42937	(14120216)
436758.28	3725265.96	8.79976	(14120216)	436755.15	3725257.09	8.15894	(14120216)
436752.02	3725248.22	7.51665	(14120216)	436748.89	3725239.35	6.88085	(14120216)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436745.75	3725230.48	6.25910	(14120216)	436742.62	3725221.62	5.65778	(14120216)
436739.49	3725212.75	5.08035	(14120216)	436740.40	3725195.39	4.85983	(12121309)
436772.77	3725127.46	5.00734	(12121309)	436776.82	3725118.97	5.01092	(12121309)
436780.87	3725110.47	5.01108	(12121309)	436784.91	3725101.98	5.00801	(12121309)
436788.96	3725093.49	5.00059	(12121309)	436793.01	3725085.00	4.98905	(12121309)
436797.05	3725076.51	4.97415	(12121309)	436801.10	3725068.02	4.95553	(12121309)
436805.15	3725059.53	4.93259	(12121309)	436809.19	3725051.04	4.90704	(12121309)
436813.24	3725042.55	4.87893	(12121309)	436817.28	3725034.05	4.84655	(12121309)
436787.58	3725459.93	8.42164	(14120216)	436784.43	3725451.02	9.01220	(14120216)
436781.29	3725442.12	9.57137	(14120216)	436753.00	3725362.01	12.02966	(14120216)
436749.85	3725353.10	11.97643	(14120216)	436746.71	3725344.20	11.84784	(14120216)
436743.57	3725335.30	11.64529	(14120216)	436740.42	3725326.40	11.37002	(14120216)
436737.28	3725317.50	11.03130	(14120216)	436734.14	3725308.59	10.63185	(14120216)
436730.99	3725299.69	10.17765	(14120216)	436727.85	3725290.79	9.67277	(14120216)
436724.70	3725281.89	9.12988	(14120216)	436721.56	3725272.99	8.56099	(14120216)
436718.42	3725264.09	7.97405	(14120216)	436715.27	3725255.18	7.38050	(14120216)
436712.13	3725246.28	6.79024	(14120216)	436708.99	3725237.38	6.20886	(14120216)
436705.84	3725228.48	5.64001	(14120216)	436702.70	3725219.58	5.09113	(14120216)
436699.56	3725210.67	4.67811	(12120709)	436700.47	3725193.25	4.70844	(12121309)
436728.90	3725133.59	4.84883	(12121309)	436732.96	3725125.07	4.85656	(12121309)
436737.02	3725116.55	4.86090	(12121309)	436741.09	3725108.03	4.86403	(12121309)
436745.15	3725099.50	4.86460	(12121309)	436749.21	3725090.98	4.86216	(12121309)
436753.27	3725082.46	4.85460	(12121309)	436757.33	3725073.94	4.84211	(12121309)
436759.11	3725490.32	6.34215	(14120216)	436756.00	3725481.51	6.88881	(14120216)
436752.89	3725472.70	7.43122	(14120216)	436749.78	3725463.90	7.95382	(14120216)
436746.67	3725455.09	8.44481	(14120216)	436743.56	3725446.28	8.89548	(14120216)
436740.45	3725437.47	9.31594	(14120216)	436737.34	3725428.67	9.68938	(14120216)
436712.45	3725358.21	11.13136	(14120216)	436709.34	3725349.40	11.03759	(14120216)
436706.23	3725340.59	10.87512	(14120216)	436703.12	3725331.78	10.65333	(14120216)
436700.01	3725322.98	10.37438	(14120216)	436696.90	3725314.17	10.04164	(14120216)
436693.79	3725305.36	9.65695	(14120216)	436690.68	3725296.55	9.22617	(14120216)
436687.57	3725287.75	8.74940	(14120216)	436684.46	3725278.94	8.24599	(14120216)
436681.35	3725270.13	7.72425	(14120216)	436678.24	3725261.32	7.19090	(14120216)
436675.13	3725252.52	6.65587	(14120216)	436672.02	3725243.71	6.12419	(14120216)
436688.61	3725132.21	4.70899	(12121309)	436692.63	3725123.78	4.71801	(12121309)
436696.65	3725115.35	4.72415	(12121309)	436700.67	3725106.92	4.72740	(12121309)
436704.69	3725098.48	4.72866	(12121309)	436708.71	3725090.05	4.72852	(12121309)
436712.72	3725081.62	4.72608	(12121309)	436788.21	3725683.75	4.89402	(13020516)
436785.09	3725674.91	4.80262	(13020516)	436781.97	3725666.07	4.69858	(13020516)
436778.85	3725657.23	4.58252	(13020516)	436772.61	3725639.55	4.42761	(11112909)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436769.48	3725630.71	4.46462	(11112909)	436766.36	3725621.87	4.50089	(11112909)
436763.24	3725613.03	4.53506	(11112909)	436760.12	3725604.19	4.58138	(16010409)
436757.00	3725595.35	4.63621	(16010409)	436753.88	3725586.51	4.68881	(16010409)
436750.75	3725577.67	4.73940	(16010409)	436747.63	3725568.83	4.78622	(16010409)
436744.51	3725559.99	4.82937	(16010409)	436741.39	3725551.15	4.87039	(16010409)
436716.42	3725480.43	6.84004	(14120216)	436713.29	3725471.59	7.28991	(14120216)
436710.17	3725462.75	7.71090	(14120216)	436707.05	3725453.91	8.09204	(14120216)
436703.93	3725445.08	8.42017	(14120216)	436700.81	3725436.24	8.71503	(14120216)
436697.69	3725427.40	8.94934	(14120216)	436694.56	3725418.56	9.14644	(14120216)
436691.44	3725409.72	9.43443	(14120216)	436632.13	3725241.76	5.56972	(14120216)
436664.92	3725096.01	4.59576	(12121309)	436764.50	3725727.61	4.74754	(13020516)
436761.37	3725718.74	4.71560	(13020516)	436758.24	3725709.87	4.67028	(13020516)
436755.11	3725701.01	4.61061	(13020516)	436751.98	3725692.14	4.53569	(13020516)
436748.84	3725683.27	4.44646	(13020516)	436745.71	3725674.40	4.34438	(13020516)
436742.58	3725665.53	4.29980	(12020609)	436739.45	3725656.66	4.30271	(11112909)
436736.31	3725647.79	4.33966	(11112909)	436733.18	3725638.92	4.37468	(11112909)
436730.05	3725630.05	4.40733	(11112909)	436726.92	3725621.18	4.43777	(16010409)
436723.79	3725612.31	4.49170	(16010409)	436720.65	3725603.44	4.54366	(16010409)
436717.52	3725594.58	4.59369	(16010409)	436714.39	3725585.71	4.63939	(16010409)
436711.26	3725576.84	4.68097	(16010409)	436708.13	3725567.97	4.72004	(16010409)
436704.99	3725559.10	4.75790	(16010409)	436701.86	3725550.23	4.79220	(16010409)
436698.73	3725541.36	4.82185	(16010409)	436695.60	3725532.49	4.84975	(16010409)
436670.54	3725461.54	7.36671	(14120216)	436667.41	3725452.67	7.69098	(14120216)
436664.28	3725443.80	7.98921	(14120216)	436661.14	3725434.93	8.25846	(14120216)
436658.01	3725426.06	8.49554	(14120216)	436654.88	3725417.19	8.69786	(14120216)
436595.37	3725248.68	5.53781	(14120216)	436592.24	3725239.81	5.09496	(14120216)
436589.11	3725230.94	4.67726	(14120216)	436585.97	3725222.07	4.36269	(12120709)
436582.84	3725213.20	4.34232	(12120709)	436725.14	3725727.15	4.39982	(13020516)
436722.00	3725718.26	4.34401	(13020516)	436718.86	3725709.36	4.27382	(13020516)
436715.71	3725700.46	4.20006	(12020609)	436712.57	3725691.57	4.19833	(12020609)
436709.43	3725682.67	4.19543	(12020609)	436706.29	3725673.77	4.19325	(12020609)
436703.15	3725664.88	4.22157	(11112909)	436700.00	3725655.98	4.25505	(11112909)
436696.86	3725647.08	4.28837	(11112909)	436693.72	3725638.19	4.31956	(11112909)
436690.58	3725629.29	4.36398	(16010409)	436687.44	3725620.39	4.41511	(16010409)
436684.30	3725611.50	4.46364	(16010409)	436681.15	3725602.60	4.51002	(16010409)
436678.01	3725593.70	4.55407	(16010409)	436674.87	3725584.81	4.59115	(16010409)
436671.73	3725575.91	4.62252	(16010409)	436668.59	3725567.01	4.65333	(16010409)
436665.45	3725558.12	4.68480	(16010409)	436662.30	3725549.22	4.71461	(16010409)
436659.16	3725540.32	4.74305	(16010409)	436656.02	3725531.43	4.77071	(16010409)
436652.88	3725522.53	4.79718	(16010409)	436561.77	3725264.53	5.89082	(14120216)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436558.63	3725255.63	5.48366	(14120216)	436555.48	3725246.74	5.07832	(14120216)
436552.34	3725237.84	4.67815	(14120216)	436549.20	3725228.94	4.31123	(14120216)
437547.78	3725319.47	181.47355	(13020516)	437559.60	3725332.51	184.97418	(13020516)
437528.56	3725313.16	155.09276	(14120216)	437540.37	3725326.19	159.58752	(13020516)
437552.19	3725339.22	162.50023	(13020516)	437509.34	3725306.84	142.18866	(14120216)
437521.15	3725319.87	136.55412	(14120216)	437532.97	3725332.91	141.95001	(13020516)
437544.78	3725345.94	144.27182	(13020516)	437501.93	3725313.56	126.91765	(14120216)
437513.74	3725326.59	120.59824	(14120216)	437525.56	3725339.62	127.43889	(13020516)
437537.37	3725352.65	129.16579	(13020516)	437494.52	3725320.27	114.14491	(14120216)
437506.33	3725333.30	109.22756	(13020516)	437518.15	3725346.34	115.32295	(13020516)
437529.96	3725359.37	116.48056	(13020516)	437498.92	3725340.02	99.97233	(13020516)
437510.74	3725353.05	105.02590	(13020516)	437522.55	3725366.09	105.90843	(13020516)
437491.52	3725346.74	92.37377	(13020516)	437503.33	3725359.77	96.27338	(13020516)
437515.14	3725372.80	96.77030	(13020516)	437464.88	3725347.14	76.16075	(14120216)
437476.70	3725360.17	79.15394	(13020516)	437488.51	3725373.20	81.88881	(13020516)
437500.32	3725386.23	81.45102	(13020516)	437450.07	3725360.57	63.72497	(13020516)
437441.05	3725439.96	43.99526	(13020516)	437414.42	3725440.36	40.13807	(13020516)
437426.23	3725453.39	38.29877	(13020516)	437399.60	3725453.79	35.35471	(13020516)
437411.41	3725466.82	33.43765	(13020516)	437384.78	3725467.22	31.29531	(13020516)
437486.28	3725362.89	84.30923	(13020516)	437290.67	3725439.42	22.91289	(13020516)
436672.49	3725697.81	4.07490	(12020609)	437557.55	3725323.22	196.50768	(13020516)
436768.54	3725455.37	8.61038	(14120216)	436729.09	3725461.98	7.91103	(14120216)
436689.64	3725468.59	7.27753	(14120216)	437438.22	3725332.10	78.96747	(14120216)
437418.09	3725327.95	75.68959	(14120216)	437118.36	3725341.55	25.16166	(14120216)
437058.25	3725338.58	21.67566	(14120216)	436998.27	3725340.35	19.39285	(14120216)
436958.29	3725341.53	17.94266	(14120216)	436918.31	3725342.72	16.60904	(14120216)
436878.32	3725343.90	15.40975	(14120216)	436838.34	3725345.08	14.27353	(14120216)
436798.36	3725346.26	13.21645	(14120216)	436758.38	3725347.44	12.16700	(14120216)
436718.39	3725348.62	11.25130	(14120216)	436678.41	3725349.80	10.29996	(14120216)
437334.03	3725234.42	38.09284	(14120216)	437312.59	3725235.11	34.77009	(14120216)
437286.87	3725217.82	23.76087	(14120216)	437230.27	3725197.90	14.28639	(13020515)
436994.45	3725114.89	6.77614	(13020515)	437626.04	3725373.73	319.04387	(12041314)
437633.43	3725380.01	329.84616	(12041314)	437640.82	3725386.29	336.42599	(12041314)
437648.21	3725392.57	341.47542	(12041314)	437655.60	3725398.85	345.20605	(12041314)
437662.98	3725405.13	345.59666	(12041314)	437670.37	3725411.41	340.47991	(12041314)
437619.56	3725381.35	267.65881	(12041314)	437626.95	3725387.63	278.14264	(12041314)
437634.34	3725393.91	286.80114	(12041314)	437641.73	3725400.19	292.43947	(12041314)
437649.12	3725406.47	295.10395	(12041314)	437656.51	3725412.75	296.12831	(12041314)
437663.90	3725419.03	292.35013	(12041314)	437613.09	3725388.97	229.26028	(12041314)
437620.48	3725395.25	240.18923	(12041314)	437627.87	3725401.53	248.69403	(12041314)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437635.25	3725407.81	254.69200	(12041314)	437642.64	3725414.09	258.12490	(12041314)
437650.03	3725420.37	258.93929	(12041314)	437657.42	3725426.65	256.59156	(12041314)
437599.22	3725390.31	187.17316	(12041314)	437606.61	3725396.59	199.15841	(12041314)
437614.00	3725402.87	209.56570	(12041314)	437621.39	3725409.15	218.13403	(12041314)
437628.78	3725415.43	224.44022	(12041314)	437636.17	3725421.71	228.47816	(12041314)
437643.56	3725427.99	230.14430	(12041314)	437650.95	3725434.27	228.57358	(12041314)
437551.27	3725354.02	142.46760	(13020516)	437592.75	3725397.93	163.03676	(12041314)
437600.14	3725404.21	174.34217	(12041314)	437607.52	3725410.49	184.31402	(12041314)
437614.91	3725416.77	192.77249	(12041314)	437622.30	3725423.05	199.19766	(12041314)
437629.69	3725429.33	203.68893	(12041314)	437637.08	3725435.61	206.06160	(12041314)
437644.47	3725441.89	205.61784	(12041314)	437593.66	3725411.83	153.47558	(12041314)
437601.05	3725418.11	163.05042	(12041314)	437608.44	3725424.39	171.17732	(12041314)
437615.83	3725430.67	177.75907	(12041314)	437623.22	3725436.95	182.59255	(12041314)
437630.60	3725443.23	185.52063	(12041314)	437637.99	3725449.51	186.10662	(12041314)
437545.79	3725381.03	108.00684	(13020516)	437536.89	3725367.00	115.50097	(13020516)
437587.18	3725419.45	135.75345	(12041314)	437594.57	3725425.73	144.84558	(12041314)
437601.96	3725432.01	152.81056	(12041314)	437609.35	3725438.29	159.40049	(12041314)
437616.74	3725444.57	164.41595	(12041314)	437624.13	3725450.85	167.87145	(12041314)
437631.52	3725457.13	169.30286	(12041314)	437538.68	3725387.65	97.66007	(13020516)
437533.59	3725379.63	102.07021	(13020516)	437532.52	3725395.77	87.89178	(13020516)
437522.99	3725380.74	95.53398	(13020516)	437517.19	3725389.43	86.67414	(13020516)
437480.39	3725348.23	83.87479	(13020516)	437584.36	3725482.67	102.44406	(12041314)
437591.75	3725488.95	106.95747	(12041314)	437599.14	3725495.23	110.34273	(12041314)
437460.76	3725362.01	69.41743	(13020516)	437504.91	3725441.39	51.70905	(12020716)
437512.29	3725447.67	52.13969	(12020716)	437519.68	3725453.95	51.98546	(12020716)
437527.07	3725460.23	51.22935	(12020716)	437571.41	3725497.91	85.49432	(12041314)
437578.80	3725504.19	90.04081	(12041314)	437586.19	3725510.47	93.75286	(12041314)
437486.87	3725448.61	45.75761	(12020716)	437441.47	3725366.97	59.25324	(13020516)
437491.95	3725456.63	45.72865	(12020716)	437499.34	3725462.91	46.02057	(12020716)
437506.73	3725469.19	45.78471	(12020716)	437514.12	3725475.47	45.01912	(12020716)
437521.51	3725481.75	44.41647	(12041314)	437558.46	3725513.15	71.53480	(12041314)
437565.84	3725519.43	75.94828	(12041314)	437573.23	3725525.71	79.75814	(12041314)
437464.70	3725449.32	43.56480	(13020516)	437423.13	3725346.10	65.95645	(14120216)
437486.39	3725478.15	40.88514	(12020716)	437493.78	3725484.43	40.58798	(12020716)
437501.17	3725490.71	39.83227	(12020716)	437508.56	3725496.99	38.61789	(12020716)
437545.50	3725528.39	59.96259	(12041314)	437552.89	3725534.67	64.17674	(12041314)
437560.28	3725540.95	67.94673	(12041314)	437456.27	3725471.69	36.57266	(12020716)
437451.38	3725463.98	36.98418	(13020516)	437446.49	3725456.27	39.30735	(13020516)
437473.44	3725493.39	36.83768	(12020716)	437480.83	3725499.67	36.50546	(12020716)
437488.22	3725505.95	35.75643	(12020716)	437443.11	3725486.60	32.99878	(12020716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437438.12	3725478.72	32.44378	(12020716)	437433.12	3725470.85	33.63088	(13020516)
437428.13	3725462.98	35.69488	(13020516)	437414.72	3725477.50	30.88262	(13020516)
437327.33	3725352.42	45.73087	(14120216)	437306.31	3725403.62	24.44759	(14120216)
437310.15	3725300.64	54.14072	(14120216)	437311.95	3725475.93	24.12488	(13020516)
437306.96	3725468.05	24.17828	(13020516)	437301.97	3725460.18	24.02433	(13020516)
437296.97	3725452.31	23.67093	(13020516)	437277.69	3725402.17	24.21733	(14120216)
437280.47	3725327.64	46.14918	(14120216)	437282.85	3725483.54	21.43918	(13020516)
437277.88	3725475.69	21.32548	(13020516)	437272.91	3725467.85	21.05661	(13020516)
437267.93	3725460.01	20.64593	(13020516)	437249.08	3725400.80	23.64418	(14120216)
437244.90	3725477.18	18.54886	(13020516)	437220.15	3725407.56	21.01598	(14120216)
437223.03	3725330.48	34.92856	(14120216)	437223.39	3725320.84	35.51447	(14120216)
437223.74	3725311.21	35.70158	(14120216)	437226.97	3725224.50	20.93049	(14120216)
437227.33	3725214.86	17.97326	(14120216)	437191.54	3725405.98	20.46213	(14120216)
437191.90	3725396.40	22.37062	(14120216)	437194.40	3725329.36	31.94711	(14120216)
437194.76	3725319.78	32.29561	(14120216)	437195.11	3725310.20	32.30187	(14120216)
437198.32	3725224.00	19.10109	(14120216)	437198.68	3725214.42	16.62440	(14120216)
437199.04	3725204.84	14.17284	(14120216)	437162.93	3725404.47	19.84937	(14120216)
437163.29	3725394.94	21.51750	(14120216)	437168.26	3725261.54	24.50759	(14120216)
437169.68	3725223.42	17.33832	(14120216)	437170.03	3725213.89	15.43087	(14120216)
437170.39	3725204.36	13.56372	(14120216)	437170.74	3725194.83	11.76838	(14120216)
437133.96	3725412.51	17.68849	(14120216)	437134.32	3725403.03	19.19061	(14120216)
437136.79	3725336.62	26.67244	(14120216)	437137.14	3725327.13	26.97224	(14120216)
437137.50	3725317.64	27.00948	(14120216)	437139.62	3725260.72	22.07541	(14120216)
437141.03	3725222.78	15.66623	(14120216)	437141.38	3725213.29	13.98438	(14120216)
437141.74	3725203.80	12.33885	(14120216)	437142.09	3725194.32	10.75658	(14120216)
437105.35	3725411.07	17.18407	(14120216)	437108.16	3725335.48	24.70307	(14120216)
437108.52	3725326.03	24.87446	(14120216)	437108.87	3725316.58	24.81465	(14120216)
437110.98	3725259.88	20.06293	(14120216)	437112.39	3725222.08	14.25885	(14120216)
437113.09	3725203.18	11.28137	(14120216)	437113.44	3725193.73	9.87031	(14120216)
437076.73	3725409.68	16.76214	(14120216)	437079.19	3725343.76	22.65136	(14120216)
437079.54	3725334.35	22.91211	(14120216)	437079.89	3725324.93	22.98006	(14120216)
437080.24	3725315.51	22.85027	(14120216)	437081.99	3725268.43	19.42594	(14120216)
437083.75	3725221.34	13.04165	(14120216)	437084.45	3725202.51	10.36927	(14120216)
437084.80	3725193.09	9.10505	(14120216)	437085.15	3725183.67	8.31388	(14120215)
437051.07	3725328.93	21.31348	(14120216)	437051.43	3725319.27	21.19909	(14120216)
437053.59	3725261.34	17.08279	(14120216)	437056.10	3725193.74	8.58505	(14120216)
437056.46	3725184.09	7.76402	(14120215)	437016.71	3725481.64	7.59439	(11120516)
437017.07	3725472.02	8.32679	(14120216)	437024.59	3725270.11	16.62542	(14120216)
437027.46	3725193.19	7.97069	(14120216)	437027.81	3725183.58	7.20982	(14120215)
436978.09	3725492.20	6.96156	(11120516)	436978.44	3725482.72	7.09217	(14120216)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436981.62	3725397.34	16.05302	(14120216)	436981.98	3725387.85	16.84699	(14120216)
436982.33	3725378.36	17.53039	(14120216)	436984.45	3725321.44	18.60827	(14120216)
436984.81	3725311.96	18.25985	(14120216)	436985.16	3725302.47	17.76753	(14120216)
436987.63	3725236.06	11.70027	(14120216)	436987.99	3725226.58	10.68530	(14120216)
436988.34	3725217.09	9.70685	(14120216)	436988.69	3725207.60	8.73076	(14120216)
436989.05	3725198.12	7.78524	(14120216)	436989.40	3725188.63	6.87926	(14120216)
436939.48	3725502.53	6.36092	(11120516)	436939.84	3725492.93	6.30092	(11120516)
436940.20	3725483.33	6.97888	(14120216)	436943.06	3725406.53	14.47358	(14120216)
436943.41	3725396.93	15.25548	(14120216)	436943.77	3725387.33	15.94398	(14120216)
436944.13	3725377.73	16.52137	(14120216)	436946.28	3725320.13	17.12458	(14120216)
436946.63	3725310.53	16.77127	(14120216)	436946.99	3725300.93	16.28739	(14120216)
436947.35	3725291.33	15.69458	(14120216)	436947.71	3725281.74	14.99928	(14120216)
436949.85	3725224.14	9.41822	(14120216)	436950.21	3725214.54	8.51199	(14120216)
436950.57	3725204.94	7.66779	(14120216)	436908.99	3725294.88	14.66653	(14120216)
436909.34	3725285.40	14.01906	(14120216)	436911.46	3725228.48	8.93469	(14120216)
436911.82	3725218.99	8.07266	(14120216)	436912.17	3725209.50	7.24940	(14120216)
436912.52	3725200.01	6.45860	(14120216)	436915.71	3725114.63	5.59442	(12121309)
436916.06	3725105.15	5.55688	(12121309)	436862.61	3725513.82	5.39793	(16010409)
436862.96	3725504.24	5.45725	(16010409)	436863.32	3725494.65	6.02490	(14120216)
436863.68	3725485.06	6.75973	(14120216)	436866.54	3725408.36	12.94238	(14120216)
436866.89	3725398.77	13.54443	(14120216)	436867.25	3725389.18	14.05915	(14120216)
436869.39	3725331.66	15.00039	(14120216)	436869.75	3725322.07	14.75901	(14120216)
436870.11	3725312.48	14.40383	(14120216)	436870.47	3725302.90	13.94168	(14120216)
436870.82	3725293.31	13.38512	(14120216)	436871.18	3725283.72	12.74772	(14120216)
436873.32	3725226.20	7.96420	(14120216)	436873.68	3725216.61	7.18931	(14120216)
436874.04	3725207.02	6.45840	(14120216)	436874.39	3725197.43	5.74194	(14120216)
436824.36	3725514.39	5.27445	(16010409)	436824.72	3725504.71	5.34327	(14120216)
436825.08	3725495.03	6.00410	(14120216)	436825.44	3725485.35	6.69818	(14120216)
436828.33	3725407.91	12.33209	(14120216)	436828.69	3725398.23	12.85858	(14120216)
436829.05	3725388.55	13.30339	(14120216)	436831.21	3725330.47	13.84117	(14120216)
436831.57	3725320.79	13.56492	(14120216)	436831.93	3725311.11	13.19361	(14120216)
436832.29	3725301.43	12.72880	(14120216)	436832.66	3725291.75	12.17935	(14120216)
436834.82	3725233.67	7.85740	(14120216)	436835.18	3725223.99	7.12198	(14120216)
436835.54	3725214.30	6.42084	(14120216)	436835.90	3725204.62	5.75650	(14120216)
436836.26	3725194.94	5.29390	(12121309)	436838.79	3725127.18	5.28097	(12121309)
436839.15	3725117.50	5.26026	(12121309)	436839.51	3725107.82	5.23399	(12121309)
436839.87	3725098.14	5.20348	(12121309)	436792.87	3725333.58	12.87034	(14120216)
436793.23	3725324.00	12.62561	(14120216)	436793.58	3725314.42	12.29845	(14120216)
436793.94	3725304.85	11.88803	(14120216)	436794.30	3725295.27	11.40003	(14120216)
436794.66	3725285.69	10.84061	(14120216)	436796.80	3725228.22	6.83525	(14120216)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436797.15	3725218.64	6.16792	(14120216)	436797.51	3725209.07	5.52719	(14120216)
436797.87	3725199.49	5.10076	(12121309)	436800.72	3725122.87	5.11243	(12121309)
436801.08	3725113.29	5.09548	(12121309)	436801.43	3725103.71	5.07391	(12121309)
436801.79	3725094.13	5.04814	(12121309)	436802.15	3725084.55	5.01873	(12121309)
436771.94	3725605.14	4.58659	(16010409)	436766.76	3725596.97	4.63771	(16010409)
436750.73	3725438.70	9.39767	(14120216)	436751.09	3725429.03	9.90866	(14120216)
436754.69	3725332.41	11.85412	(14120216)	436755.05	3725322.75	11.61344	(14120216)
436755.41	3725313.09	11.29204	(14120216)	436755.77	3725303.42	10.89364	(14120216)
436756.13	3725293.76	10.42396	(14120216)	436758.29	3725235.79	6.78635	(14120216)
436758.65	3725226.12	6.15292	(14120216)	436759.01	3725216.46	5.53773	(14120216)
436759.37	3725206.80	4.94686	(14120216)	436759.73	3725197.14	4.93755	(12121309)
436762.25	3725129.50	4.96904	(12121309)	436762.61	3725119.84	4.95829	(12121309)
436762.97	3725110.18	4.94456	(12121309)	436763.33	3725100.51	4.92847	(12121309)
436763.69	3725090.85	4.90853	(12121309)	436764.05	3725081.19	4.88398	(12121309)
436779.24	3725687.97	4.81430	(13020516)	436774.11	3725679.88	4.71103	(13020516)
436768.98	3725671.79	4.59172	(13020516)	436763.85	3725663.71	4.45946	(13020516)
436758.72	3725655.62	4.35014	(12020609)	436753.59	3725647.53	4.36407	(11112909)
436748.47	3725639.44	4.39477	(11112909)	436743.34	3725631.36	4.42303	(11112909)
436738.21	3725623.27	4.44855	(11112909)	436712.43	3725440.77	8.73191	(14120216)
436712.78	3725431.20	9.12620	(14120216)	436713.14	3725421.63	9.48117	(14120216)
436716.35	3725335.50	11.02904	(14120216)	436716.70	3725325.93	10.82049	(14120216)
436717.06	3725316.36	10.54603	(14120216)	436717.42	3725306.79	10.20063	(14120216)
436717.77	3725297.22	9.78990	(14120216)	436719.91	3725239.80	6.49780	(14120216)
436720.27	3725230.23	5.91306	(14120216)	436720.63	3725220.66	5.33938	(14120216)
436720.98	3725211.09	4.78443	(14120216)	436721.34	3725201.52	4.77227	(12121309)
436721.70	3725191.95	4.79081	(12121309)	436724.55	3725115.39	4.81639	(12121309)
436724.90	3725105.82	4.80627	(12121309)	436725.26	3725096.25	4.79374	(12121309)
436725.62	3725086.68	4.77875	(12121309)	436751.55	3725715.63	4.61866	(13020516)
436746.38	3725707.48	4.54498	(13020516)	436741.21	3725699.32	4.45577	(13020516)
436736.03	3725691.17	4.35329	(13020516)	436730.86	3725683.02	4.25825	(12020609)
436725.69	3725674.86	4.24983	(12020609)	436720.52	3725666.71	4.23704	(12020609)
436715.35	3725658.56	4.26479	(11112909)	436710.18	3725650.40	4.29292	(11112909)
436705.01	3725642.25	4.31952	(11112909)	436670.62	3725536.94	4.77817	(16010409)
436670.98	3725527.30	4.81593	(16010409)	436674.21	3725440.47	8.20066	(14120216)
436674.57	3725430.82	8.53253	(14120216)	436674.93	3725421.17	8.83063	(14120216)
436675.29	3725411.53	9.09250	(14120216)	436678.17	3725334.35	10.14432	(14120216)
436678.52	3725324.70	9.95920	(14120216)	436678.88	3725315.05	9.69571	(14120216)
436679.24	3725305.40	9.36643	(14120216)	436679.60	3725295.76	8.97807	(14120216)
436681.76	3725237.87	5.90930	(14120216)	436682.12	3725228.22	5.36924	(14120216)
436682.48	3725218.58	4.84231	(14120216)	436682.84	3725208.93	4.61823	(12120709)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436683.20	3725199.28	4.63413	(12121309)	436686.43	3725112.45	4.68786	(12121309)
436686.79	3725102.81	4.67648	(12121309)	436687.15	3725093.16	4.66242	(12121309)
436712.21	3725724.93	4.27556	(13020516)	436707.08	3725716.84	4.19394	(13020516)
436701.96	3725708.76	4.15288	(12020609)	436696.83	3725700.68	4.14590	(12020609)
436691.71	3725692.60	4.13645	(12020609)	436686.58	3725684.52	4.12484	(12020609)
436681.46	3725676.43	4.12803	(11112909)	436676.33	3725668.35	4.15661	(11112909)
436671.21	3725660.27	4.18265	(11112909)	436666.08	3725652.19	4.20509	(11112909)
436660.96	3725644.11	4.22537	(11112909)	436655.83	3725636.03	4.26369	(16010409)
436650.71	3725627.94	4.30433	(16010409)	436645.58	3725619.86	4.34464	(16010409)
436640.46	3725611.78	4.38453	(16010409)	436635.33	3725603.70	4.42237	(16010409)
436630.56	3725586.05	4.49988	(16010409)	436630.92	3725576.49	4.54091	(16010409)
436631.27	3725566.93	4.57897	(16010409)	436631.63	3725557.36	4.62118	(16010409)
436631.99	3725547.80	4.66235	(16010409)	436632.34	3725538.24	4.69644	(16010409)
436632.70	3725528.67	4.72455	(16010409)	436633.06	3725519.11	4.84876	(14120216)
436633.41	3725509.55	5.22966	(14120216)	436643.39	3725241.78	5.69236	(14120216)
437682.24	3725420.92	308.68959	(12041314)	437675.98	3725428.73	268.61676	(12041314)
437669.73	3725436.53	239.15187	(12041314)	437663.47	3725444.33	215.82786	(12041314)
437657.22	3725452.13	196.76491	(12041314)	437645.14	3725455.27	184.26539	(12041314)
437638.89	3725463.07	168.52036	(12041314)	437607.62	3725502.09	112.86512	(12041314)
437595.11	3725517.69	97.06589	(12041314)	437582.60	3725533.30	83.63390	(12041314)
437570.09	3725548.91	72.17618	(12041314)	437631.42	3725680.97	47.41184	(12041314)
437617.33	3725676.34	51.00242	(12041314)	437603.23	3725671.71	53.19334	(12041314)
437660.98	3725710.11	41.84815	(12110816)	437646.85	3725705.47	40.86332	(12110816)
437632.72	3725700.83	42.69126	(12041314)	437618.59	3725696.19	46.40472	(12041314)
437604.46	3725691.55	48.93200	(12041314)	437590.33	3725686.91	50.13550	(12041314)
437576.20	3725682.26	49.89522	(12041314)	437578.03	3725712.02	45.17861	(12041314)
437563.86	3725707.36	44.51062	(12041314)	437549.69	3725702.71	42.73690	(12041314)
437721.99	3725788.47	27.43658	(12110816)	437707.78	3725783.80	30.31441	(12110816)
437693.58	3725779.13	32.57326	(12110816)	437752.28	3725821.98	22.27311	(14120316)
437738.48	3725823.04	23.26102	(14120316)	437724.25	3725818.36	24.67385	(12110816)
437710.01	3725813.69	27.24181	(12110816)	437695.78	3725809.01	29.39129	(12110816)
437681.54	3725804.33	30.85737	(12110816)	437553.43	3725762.24	36.75077	(12041314)
437539.19	3725757.57	35.50198	(12041314)	437524.96	3725752.89	33.48295	(12041314)
437774.66	3725841.66	18.81891	(14120316)	437761.28	3725848.47	19.96574	(14120316)
437740.78	3725852.95	21.23319	(14120316)	437726.52	3725848.26	22.40891	(12110816)
437598.17	3725806.10	30.87145	(12041314)	437583.91	3725801.41	32.62809	(12041314)
437569.65	3725796.73	33.60403	(12041314)	437555.39	3725792.04	33.76839	(12041314)
437541.13	3725787.36	33.10590	(12041314)	437526.87	3725782.67	31.70197	(12041314)
437810.49	3725854.48	15.71607	(11110416)	437797.10	3725861.31	15.45813	(11110416)
437783.70	3725868.14	16.81015	(14120316)	437770.31	3725874.96	17.98453	(14120316)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437614.53	3725840.62	24.42573	(12041314)	437600.24	3725835.93	26.92877	(12041314)
437557.40	3725821.86	30.82554	(12041314)	437833.00	3725874.10	14.44534	(11110416)
437819.59	3725880.94	14.39159	(11110416)	437806.17	3725887.77	14.21238	(11110416)
437792.76	3725894.61	15.06497	(14120316)	437645.25	3725879.87	23.63142	(12110816)
437630.95	3725875.17	22.55060	(12110816)	437616.65	3725870.47	21.05827	(12041314)
437602.35	3725865.78	23.39696	(12041314)	437855.54	3725893.70	13.07106	(11110416)
437842.12	3725900.54	13.18975	(11110416)	437828.69	3725907.39	13.19050	(11110416)
437815.26	3725914.23	13.05812	(11110416)	437801.83	3725921.07	13.49881	(14120316)
437788.40	3725927.91	14.59603	(14120316)	437690.39	3725923.85	21.86153	(12110816)
437676.07	3725919.15	22.54003	(12110816)	437878.12	3725913.28	13.80033	(11111816)
437864.68	3725920.13	11.95288	(11110416)	437851.24	3725926.98	12.06034	(11110416)
437837.79	3725933.83	12.06780	(11110416)	437824.35	3725940.68	11.97787	(11110416)
437810.90	3725947.53	12.09484	(14120316)	437797.46	3725954.38	13.15004	(14120316)
437735.63	3725967.87	16.27574	(12110816)	437721.29	3725963.16	17.81873	(12110816)
437706.96	3725958.45	19.16172	(12110816)	437692.62	3725953.74	20.22128	(12110816)
437678.29	3725949.03	20.91968	(12110816)	437663.95	3725944.32	21.18023	(12110816)
437649.62	3725939.61	20.95713	(12110816)	437846.90	3725960.27	11.08987	(11110416)
437833.45	3725967.13	11.01179	(11110416)	437819.99	3725973.99	10.86735	(11110416)
437723.56	3725993.06	16.50761	(12110816)	437709.22	3725988.35	17.74421	(12110816)
437694.87	3725983.63	18.73743	(12110816)	437680.52	3725978.92	19.42674	(12110816)
437666.17	3725974.21	19.75761	(12110816)	437651.82	3725969.49	19.66453	(12110816)
437637.47	3725964.78	19.14521	(12110816)	437623.13	3725960.06	18.22221	(12110816)
437802.15	3726014.17	11.51669	(14120316)	437788.68	3726021.03	12.21952	(14120316)
437775.21	3726027.89	12.74343	(14120316)	437697.12	3726013.53	17.40594	(12110816)
437682.76	3726008.81	18.06784	(12110816)	437668.40	3726004.09	18.44296	(12110816)
437654.04	3725999.37	18.45671	(12110816)	437953.56	3725978.46	14.36079	(11111816)
437940.08	3725985.33	13.44468	(11111816)	437926.60	3725992.20	12.30576	(11111816)
437913.12	3725999.07	11.01517	(11111816)	437899.64	3726005.94	9.61520	(11111816)
437805.26	3726054.03	10.57352	(14120316)	437791.78	3726060.90	11.15499	(14120316)
437778.30	3726067.77	11.57084	(14120316)	437983.80	3726004.50	14.33726	(12113016)
437970.30	3726011.38	13.29538	(11111816)	437956.81	3726018.25	12.50251	(11111816)
437943.31	3726025.13	11.50059	(11111816)	437929.82	3726032.01	10.35476	(11111816)
437916.33	3726038.88	9.12402	(11111816)	437902.83	3726045.76	8.26720	(11110416)
437889.34	3726052.63	8.35519	(11110416)	438014.05	3726030.53	14.22514	(12113016)
438000.55	3726037.41	13.18051	(12113016)	437987.04	3726044.30	12.31876	(11111816)
437973.54	3726051.18	11.63487	(11111816)	437960.03	3726058.06	10.75868	(11111816)
437946.53	3726064.94	9.74585	(11111816)	437933.02	3726071.82	8.65150	(11111816)
437919.52	3726078.70	7.53476	(11111816)	437906.01	3726085.58	7.59638	(11110416)
437677.36	3726123.65	14.07107	(12110816)	437662.96	3726118.92	14.17345	(12110816)
437648.56	3726114.19	14.04934	(12110816)	437634.16	3726109.46	13.65538	(12110816)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438044.33	3726056.55	13.86341	(12113016)	438030.82	3726063.44	13.07588	(12113016)
438017.30	3726070.32	12.13848	(12113016)	438003.79	3726077.21	11.43640	(11111816)
437990.27	3726084.10	10.84460	(11111816)	437976.76	3726090.98	10.07869	(11111816)
437963.25	3726097.87	9.18207	(11111816)	437949.73	3726104.76	8.20770	(11111816)
437936.22	3726111.64	7.19564	(11111816)	437922.70	3726118.53	6.89564	(11110416)
437909.19	3726125.42	6.98677	(11110416)	437895.67	3726132.30	7.03871	(11110416)
437882.16	3726139.19	7.03290	(11110416)	437665.96	3726158.78	13.33420	(12110816)
437651.55	3726154.04	13.21032	(12110816)	437637.14	3726149.31	12.86710	(12110816)
437622.73	3726144.57	12.30858	(12110816)	438074.63	3726082.56	13.37887	(12113016)
438061.11	3726089.45	12.83706	(12113016)	438047.58	3726096.34	12.09765	(12113016)
438034.06	3726103.23	11.22096	(12113016)	438020.54	3726110.13	10.62954	(11111816)
438007.01	3726117.02	10.12148	(11111816)	437993.49	3726123.91	9.44937	(11111816)
437979.97	3726130.80	8.65562	(11111816)	437966.44	3726137.69	7.78323	(11111816)
437952.92	3726144.58	6.87705	(11111816)	437939.39	3726151.47	6.25980	(11110416)
437925.87	3726158.36	6.36872	(11110416)	437912.35	3726165.25	6.43448	(11110416)
437898.82	3726172.14	6.45241	(11110416)	437885.30	3726179.04	6.43356	(11110416)
437871.78	3726185.93	6.38382	(11110416)	437858.25	3726192.82	6.50489	(14120316)
437844.73	3726199.71	7.03960	(14120316)	437831.21	3726206.60	7.52077	(14120316)
437817.68	3726213.49	7.93318	(14120316)	437611.28	3726179.69	11.18178	(12110816)
437596.86	3726174.95	10.47901	(12110816)	437582.44	3726170.21	9.96852	(11121916)
438348.59	3725984.41	4.26514	(12022715)	438094.48	3726113.90	12.48489	(12113016)
438081.11	3726120.71	12.04705	(12113016)	438067.73	3726127.52	11.43228	(12113016)
438054.36	3726134.34	10.67572	(12113016)	438040.98	3726141.15	9.99189	(11111816)
438027.61	3726147.97	9.60251	(11111816)	438014.23	3726154.78	9.05693	(11111816)
438000.86	3726161.60	8.39062	(11111816)	437987.49	3726168.41	7.64005	(11111816)
437974.11	3726175.23	6.83701	(11111816)	437960.74	3726182.04	6.01656	(11111816)
437947.36	3726188.86	5.76227	(11110416)	437933.99	3726195.67	5.85942	(11110416)
437920.62	3726202.49	5.92530	(11110416)	437907.24	3726209.30	5.92875	(11110416)
437893.87	3726216.12	5.89857	(11110416)	437616.19	3726220.17	10.76358	(12110816)
437601.93	3726215.49	10.16875	(12110816)	437587.67	3726210.80	9.45855	(12110816)
437573.41	3726206.12	9.50537	(11121916)	437559.15	3726201.43	9.95298	(11121916)
438360.20	3725975.22	4.33802	(12022715)	438370.04	3725963.66	4.40049	(12022715)
438379.04	3726010.34	3.97125	(12022715)	438365.65	3726017.16	3.95203	(12121716)
438352.27	3726023.99	4.03416	(12121716)	438338.88	3726030.81	4.09853	(12121716)
438325.49	3726037.63	4.14509	(12121716)	438312.10	3726044.45	4.30891	(12041315)
438298.71	3726051.28	4.56801	(12041315)	438124.66	3726139.96	11.82321	(12113016)
438111.27	3726146.79	11.59581	(12113016)	438097.89	3726153.61	11.19941	(12113016)
438084.50	3726160.43	10.64488	(12113016)	438071.11	3726167.25	9.96062	(12113016)
438057.72	3726174.07	9.33593	(11111816)	438044.33	3726180.90	8.99337	(11111816)
438030.94	3726187.72	8.51187	(11111816)	438017.56	3726194.54	7.91949	(11111816)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438004.17	3726201.36	7.24305	(11111816)	437990.78	3726208.18	6.51615	(11111816)
437977.39	3726215.01	5.77033	(11111816)	437964.00	3726221.83	5.23295	(11110416)
437950.61	3726228.65	5.33692	(11110416)	437937.23	3726235.47	5.40630	(11110416)
437923.84	3726242.30	5.44819	(11110416)	437776.12	3726311.58	7.55756	(14120316)
437761.85	3726306.89	7.92369	(12110816)	437747.57	3726302.20	8.59851	(12110816)
437733.30	3726297.51	9.22055	(12110816)	437604.81	3726255.31	9.81750	(12110816)
438409.49	3726036.27	3.75315	(11011709)	438396.09	3726043.10	3.71280	(11011709)
438382.69	3726049.93	3.72819	(12121716)	438369.29	3726056.76	3.78038	(12121716)
438355.89	3726063.59	3.81978	(12121716)	438342.49	3726070.42	3.85460	(12041315)
438329.09	3726077.25	4.09804	(12041315)	438315.69	3726084.07	4.32340	(12041315)
438302.28	3726090.90	4.87893	(12113016)	438288.88	3726097.73	5.60892	(12113016)
438275.48	3726104.56	6.36482	(12113016)	438262.08	3726111.39	7.12697	(12113016)
438248.68	3726118.22	7.87899	(12113016)	438235.28	3726125.05	8.60054	(12113016)
438128.07	3726179.68	10.78692	(12113016)	438114.67	3726186.51	10.41643	(12113016)
438101.26	3726193.33	9.91466	(12113016)	438087.86	3726200.16	9.28326	(12113016)
438074.46	3726206.99	8.75299	(11111816)	438061.06	3726213.82	8.46121	(11111816)
438047.66	3726220.65	8.03806	(11111816)	438034.26	3726227.48	7.50672	(11111816)
438020.86	3726234.31	6.89431	(11111816)	438007.46	3726241.14	6.23032	(11111816)
437994.05	3726247.96	5.54364	(11111816)	437980.65	3726254.79	4.85796	(11111816)
437967.25	3726261.62	4.86135	(11110416)	437953.85	3726268.45	4.93879	(11110416)
437940.45	3726275.28	4.98383	(11110416)	437927.05	3726282.11	5.00015	(11110416)
437913.65	3726288.94	4.98252	(11110416)	437873.44	3726309.42	5.24094	(14120316)
437860.04	3726316.25	5.63681	(14120316)	437846.64	3726323.08	6.00522	(14120316)
437806.44	3726343.57	6.77421	(14120316)	437793.03	3726350.39	6.90546	(14120316)
437779.19	3726351.46	7.03426	(14120316)	437764.90	3726346.77	7.36464	(12110816)
437750.61	3726342.07	7.98915	(12110816)	437736.32	3726337.38	8.57075	(12110816)
437722.03	3726332.68	9.08810	(12110816)	437707.74	3726327.99	9.52423	(12110816)
437693.45	3726323.30	9.86193	(12110816)	438421.12	3726027.08	3.79805	(11011709)
438430.96	3726015.52	3.84865	(11011709)	437863.18	3726356.10	5.32836	(14120316)
437849.77	3726362.93	5.65313	(14120316)	437836.35	3726369.77	5.93825	(14120316)
437822.94	3726376.60	6.17501	(14120316)	437809.53	3726383.44	6.35821	(14120316)
437796.11	3726390.27	6.48174	(14120316)	437782.26	3726391.34	6.59807	(14120316)
437767.95	3726386.64	6.92181	(12110816)	437753.65	3726381.94	7.48261	(12110816)
437739.35	3726377.25	8.00982	(12110816)	437725.05	3726372.55	8.48442	(12110816)
437710.75	3726367.85	8.89133	(12110816)	437696.44	3726363.15	9.21535	(12110816)
437682.14	3726358.45	9.43689	(12110816)	437667.84	3726353.75	9.58048	(12110816)
438461.41	3726041.45	3.75046	(11011709)	437799.19	3726430.15	6.08823	(14120316)
437785.33	3726431.22	6.19256	(14120316)	437771.01	3726426.52	6.50385	(12110816)
437756.70	3726421.82	7.01996	(12110816)	437742.38	3726417.11	7.50812	(12110816)
437728.07	3726412.41	7.95386	(12110816)	437713.76	3726407.71	8.34408	(12110816)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437699.44	3726403.01	8.66210	(12110816)	437685.13	3726398.31	8.89511	(12110816)
437670.81	3726393.60	9.03302	(12110816)	437656.50	3726388.90	9.06843	(12110816)
437642.19	3726384.20	8.99675	(12110816)	437627.87	3726379.50	8.82289	(12110816)
437912.05	3725196.12	60.95444	(14010316)	437925.08	3725180.94	54.45870	(14010316)
437944.61	3725158.17	45.00424	(14010316)	438044.92	3725104.51	25.78282	(14010316)
438051.54	3725117.54	27.04248	(14010316)	438058.16	3725130.58	27.71102	(14010316)
438064.50	3725081.83	21.81272	(14010316)	438071.14	3725094.90	23.39085	(14010316)
438077.77	3725107.97	24.46134	(14010316)	438084.41	3725121.04	25.02508	(14010316)
438117.60	3725186.39	19.96028	(14010316)	438124.24	3725199.46	20.83521	(14120116)
438084.07	3725059.14	18.66114	(16011916)	438090.73	3725072.24	19.89694	(14010316)
438097.38	3725085.34	21.25791	(14010316)	438104.03	3725098.44	22.23734	(14010316)
438130.65	3725150.85	21.27297	(14010316)	438137.30	3725163.95	19.90696	(14010316)
438143.95	3725177.05	18.24805	(14010316)	438150.61	3725190.15	18.25239	(14120116)
438157.26	3725203.25	19.62426	(14120116)	438163.91	3725216.35	20.78224	(14120116)
438116.98	3725062.70	18.21837	(14010316)	438123.65	3725075.83	19.43523	(14010316)
438150.32	3725128.34	20.26945	(14010316)	438156.98	3725141.47	19.44323	(14010316)
438163.65	3725154.60	18.23770	(14010316)	438170.32	3725167.73	16.75775	(14010316)
438176.99	3725180.86	15.99102	(14120116)	438183.65	3725193.99	17.32431	(14120116)
438190.32	3725207.12	18.45579	(14120116)	438190.01	3725145.27	16.71015	(14010316)
438196.69	3725158.43	15.41133	(14010316)	438203.37	3725171.58	14.01129	(14120116)
438210.05	3725184.73	15.29569	(14120116)	438243.45	3725250.50	18.63322	(14120116)
438250.13	3725263.66	18.50313	(14120116)	438261.04	3725223.91	16.65839	(14120116)
438267.63	3725236.87	17.02789	(14120116)	438274.21	3725249.84	17.13753	(14120116)
438280.80	3725262.81	17.00442	(14120116)	438287.38	3725275.77	16.65641	(14120116)
438293.97	3725288.74	16.81636	(14120516)	438155.40	3724934.23	11.22348	(16011916)
438175.22	3724973.25	12.86514	(16011916)	438181.82	3724986.26	12.97873	(16011916)
438188.43	3724999.26	12.86528	(16011916)	438195.03	3725012.27	12.59937	(16011916)
438201.64	3725025.27	13.47888	(14010316)	438208.24	3725038.28	14.36646	(14010316)
438214.85	3725051.28	15.02704	(14010316)	438307.31	3725233.36	15.29961	(14120116)
438313.91	3725246.37	15.43441	(14120116)	438360.15	3725337.41	19.17336	(11102516)
438366.75	3725350.41	20.06239	(12022716)	438146.50	3724922.92	11.68365	(16012216)
438221.19	3724982.14	11.62097	(16011916)	438227.82	3724995.18	11.36248	(16011916)
438234.44	3725008.21	11.91110	(14010316)	438241.06	3725021.25	12.74425	(14010316)
438247.68	3725034.29	13.38447	(14010316)	438254.30	3725047.33	13.80426	(14010316)
438260.93	3725060.37	13.97716	(14010316)	438280.79	3725099.49	13.08916	(14010316)
438287.41	3725112.53	12.38139	(14010316)	438294.04	3725125.57	11.51032	(14010316)
438386.74	3725308.13	14.33250	(11102516)	438393.37	3725321.17	15.62391	(11102516)
438399.99	3725334.21	16.73409	(11102516)	438406.61	3725347.25	17.67219	(11102516)
438410.98	3725367.25	19.30702	(12022716)	438406.47	3725381.16	21.35372	(12022716)
438172.55	3724892.57	10.61669	(16012216)	438267.26	3724991.19	10.50228	(14010316)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438273.90	3725004.26	11.30774	(14010316)	438280.53	3725017.33	11.94354	(14010316)
438287.17	3725030.40	12.38515	(14010316)	438293.81	3725043.47	12.61037	(14010316)
438307.08	3725069.62	12.41384	(14010316)	438313.72	3725082.69	12.02043	(14010316)
438320.36	3725095.76	11.45414	(14010316)	438327.00	3725108.83	10.73433	(14010316)
438333.63	3725121.90	9.88766	(14010316)	438340.27	3725134.97	8.94869	(14010316)
438346.91	3725148.04	8.91123	(14120116)	438353.55	3725161.11	9.72203	(14120116)
438360.18	3725174.18	10.47413	(14120116)	438366.82	3725187.25	11.14249	(14120116)
438450.85	3725364.14	16.97567	(11102516)	438446.33	3725378.09	18.38222	(12022716)
438441.81	3725392.03	20.22574	(12022716)	438437.29	3725405.98	21.96844	(12022716)
438432.77	3725419.92	23.54794	(12022716)	438340.00	3725052.79	11.34367	(14010316)
438346.65	3725065.88	11.05269	(14010316)	438353.30	3725078.98	10.60182	(14010316)
438359.96	3725092.08	10.00814	(14010316)	438366.61	3725105.18	9.29712	(14010316)
438373.26	3725118.28	8.49827	(14010316)	438379.91	3725131.37	7.63951	(14010316)
438386.56	3725144.47	8.15484	(14120116)	438393.21	3725157.57	8.87181	(14120116)
438399.87	3725170.67	9.53488	(14120116)	438406.52	3725183.77	10.12488	(14120116)
438413.17	3725196.87	10.62018	(14120116)	438419.82	3725209.96	11.00557	(14120116)
438426.47	3725223.06	11.26965	(14120116)	438433.12	3725236.16	11.40411	(14120116)
438439.78	3725249.26	11.40115	(14120116)	438446.43	3725262.36	11.26078	(14120116)
438477.13	3725402.95	19.17807	(12022716)	438472.60	3725416.93	20.73964	(12022716)
438468.07	3725430.90	22.15682	(12022716)	438463.54	3725444.88	23.39184	(12022716)
438379.59	3725049.09	10.16769	(14010316)	438386.25	3725062.21	9.81326	(14010316)
438392.92	3725075.33	9.32649	(14010316)	438399.58	3725088.46	8.72786	(14010316)
438406.25	3725101.58	8.04415	(14010316)	438412.91	3725114.70	7.30220	(14010316)
438419.57	3725127.83	6.80232	(14120116)	438426.24	3725140.95	7.47679	(14120116)
438432.90	3725154.07	8.11852	(14120116)	438439.57	3725167.20	8.71237	(14120116)
438446.23	3725180.32	9.23769	(14120116)	438452.89	3725193.44	9.67843	(14120116)
438459.56	3725206.57	10.02499	(14120116)	438466.22	3725219.69	10.26673	(14120116)
438472.89	3725232.81	10.39294	(14120116)	438479.55	3725245.93	10.39678	(14120116)
438486.22	3725259.06	10.28114	(14120116)	438492.88	3725272.18	10.06556	(14120116)
438499.54	3725285.30	9.76123	(14120116)	438506.21	3725298.43	9.55855	(14120516)
438512.87	3725311.55	10.04027	(14120516)	438519.54	3725324.67	10.94605	(11102516)
438526.20	3725337.80	11.90411	(11102516)	438507.90	3725427.92	19.61395	(12022716)
438503.36	3725441.93	20.86296	(12022716)	438498.82	3725455.93	21.93034	(12022716)
438494.28	3725469.93	22.77994	(12022716)	438412.53	3725032.30	9.36869	(14010316)
438419.20	3725045.44	9.09624	(14010316)	438425.88	3725058.59	8.70433	(14010316)
438432.55	3725071.73	8.20528	(14010316)	438439.23	3725084.88	7.61953	(14010316)
438445.90	3725098.03	6.97229	(14010316)	438452.58	3725111.17	6.28590	(14010316)
438459.26	3725124.32	6.27569	(14120116)	438465.93	3725137.46	6.88394	(14120116)
438472.61	3725150.61	7.46305	(14120116)	438479.28	3725163.75	7.99124	(14120116)
438485.96	3725176.90	8.46021	(14120116)	438492.63	3725190.05	8.86011	(14120116)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438499.31	3725203.19	9.17322	(14120116)	438505.99	3725216.34	9.39194	(14120116)
438512.66	3725229.48	9.51237	(14120116)	438519.34	3725242.63	9.53182	(14120116)
438526.01	3725255.77	9.45319	(14120116)	438532.69	3725268.92	9.27617	(14120116)
438539.36	3725282.07	9.00351	(14120116)	438546.04	3725295.21	8.63615	(14120116)
438552.72	3725308.36	9.00825	(14120516)	438559.39	3725321.50	9.47052	(11102516)
438566.07	3725334.65	10.36193	(11102516)	438570.47	3725354.81	11.80635	(11102516)
438565.92	3725368.83	12.95352	(11102516)	438561.38	3725382.86	13.97825	(11102516)
438534.10	3725467.01	20.59235	(12022716)	438529.55	3725481.03	21.32143	(12022716)
438525.00	3725495.06	21.80473	(12022716)	438520.45	3725509.08	22.04371	(12022716)
438379.50	3725943.86	4.47813	(12022715)	438452.15	3725028.68	8.45567	(14010316)
438458.84	3725041.84	8.13967	(14010316)	438465.52	3725055.01	7.72139	(14010316)
438472.21	3725068.18	7.21792	(14010316)	438478.90	3725081.34	6.65281	(14010316)
438485.58	3725094.51	6.04419	(14010316)	438492.27	3725107.68	5.41204	(14010316)
438498.96	3725120.84	5.78873	(14120116)	438505.64	3725134.01	6.34770	(14120116)
438512.33	3725147.17	6.87438	(14120116)	438519.01	3725160.34	7.34961	(14120116)
438525.70	3725173.51	7.77535	(14120116)	438532.39	3725186.67	8.13574	(14120116)
438539.07	3725199.84	8.41929	(14120116)	438545.76	3725213.01	8.62092	(14120116)
438552.45	3725226.17	8.73861	(14120116)	438559.13	3725239.34	8.76933	(14120116)
438565.82	3725252.51	8.70904	(14120116)	438572.50	3725265.67	8.56216	(14120116)
438579.19	3725278.84	8.32646	(14120116)	438585.88	3725292.00	8.01275	(14120116)
438592.56	3725305.17	8.14051	(14120516)	438599.25	3725318.34	8.49737	(14120516)
438605.93	3725331.50	8.97719	(11102516)	438610.34	3725351.69	10.33569	(11102516)
438605.79	3725365.74	11.47642	(11102516)	438601.24	3725379.79	12.52380	(11102516)
438596.68	3725393.84	13.43091	(11102516)	438592.13	3725407.88	14.19529	(11102516)
438560.25	3725506.21	20.39592	(12022716)	438555.70	3725520.26	20.57866	(12022716)
438551.14	3725534.31	20.53203	(12022716)	438490.16	3725021.87	7.70661	(14010316)
438496.79	3725034.92	7.37912	(14010316)	438503.41	3725047.97	6.97115	(14010316)
438510.04	3725061.02	6.49710	(14010316)	438516.66	3725074.06	5.97339	(14010316)
438523.29	3725087.11	5.41742	(14010316)	438529.92	3725100.16	4.89396	(14010315)
438536.54	3725113.21	5.19737	(14120116)	438543.17	3725126.26	5.70598	(14120116)
438549.80	3725139.30	6.19216	(14120116)	438556.42	3725152.35	6.64207	(14120116)
438563.05	3725165.40	7.04364	(14120116)	438569.67	3725178.45	7.38745	(14120116)
438576.30	3725191.49	7.66416	(14120116)	438582.93	3725204.54	7.87498	(14120116)
438589.55	3725217.59	8.01477	(14120116)	438596.18	3725230.64	8.08093	(14120116)
438602.80	3725243.69	8.07079	(14120116)	438609.43	3725256.73	7.98469	(14120116)
438616.06	3725269.78	7.82551	(14120116)	438622.68	3725282.83	7.59265	(14120116)
438629.31	3725295.88	7.29267	(14120116)	438635.93	3725308.93	7.58211	(14120516)
438642.56	3725321.97	7.88610	(14120516)	438649.19	3725335.02	8.21699	(11102516)
438650.24	3725348.51	9.07779	(11102516)	438645.73	3725362.43	10.10601	(11102516)
438641.22	3725376.35	11.11935	(11102516)	438636.70	3725390.27	12.06293	(11102516)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438632.19	3725404.19	12.86509	(11102516)	438627.68	3725418.11	13.50515	(11102516)
438623.16	3725432.03	14.48527	(12022716)	438618.65	3725445.95	15.57857	(12022716)
438587.06	3725543.40	19.22641	(12022716)	438582.55	3725557.32	19.01430	(12022716)
438578.03	3725571.24	18.60765	(12022716)	438438.13	3726002.78	3.90067	(11011709)
438529.76	3725018.19	6.97513	(14010316)	438536.39	3725031.26	6.62449	(14010316)
438543.03	3725044.33	6.21042	(14010316)	438549.67	3725057.40	5.74575	(14010316)
438556.31	3725070.47	5.25010	(14010316)	438562.94	3725083.54	4.73941	(14010316)
438569.58	3725096.61	4.71163	(16030109)	438576.22	3725109.69	4.81446	(14120116)
438582.86	3725122.76	5.28050	(14120116)	438589.49	3725135.83	5.72788	(14120116)
438596.13	3725148.90	6.13943	(14120116)	438602.77	3725161.97	6.50766	(14120116)
438609.41	3725175.04	6.82511	(14120116)	438616.04	3725188.11	7.07802	(14120116)
438622.68	3725201.18	7.27270	(14120116)	438629.32	3725214.25	7.40382	(14120116)
438635.96	3725227.32	7.47006	(14120116)	438642.59	3725240.39	7.47016	(14120116)
438649.23	3725253.46	7.40373	(14120116)	438655.87	3725266.53	7.27351	(14120116)
438662.51	3725279.60	7.07705	(14120116)	438669.15	3725292.67	6.82250	(14120116)
438675.78	3725305.74	6.94400	(14120516)	438682.42	3725318.82	7.24856	(14120516)
438689.06	3725331.89	7.50500	(14120516)	438690.12	3725345.39	8.05007	(11102516)
438685.60	3725359.34	8.97175	(11102516)	438681.07	3725373.28	9.92037	(11102516)
438676.55	3725387.23	10.82003	(11102516)	438672.03	3725401.17	11.63800	(11102516)
438667.51	3725415.12	12.33247	(11102516)	438662.99	3725429.06	12.88151	(11102516)
438658.47	3725443.01	13.85353	(12022716)	438653.95	3725456.95	14.82846	(12022716)
438649.43	3725470.90	15.71160	(12022716)	438644.91	3725484.84	16.47865	(12022716)
438613.26	3725582.46	17.39932	(12022716)	438504.76	3725917.13	6.94508	(12121416)
438500.24	3725931.08	6.40929	(12121416)	438495.72	3725945.02	5.87195	(12121416)
438491.20	3725958.97	5.33678	(12121416)	438486.68	3725972.91	4.80898	(12121416)
438482.16	3725986.86	4.28784	(12121416)	438477.64	3726000.80	3.89859	(11011709)
438473.12	3726014.75	3.84839	(11011709)	438468.60	3726028.69	3.79920	(11011709)
438576.02	3725027.65	5.92966	(14010316)	438582.67	3725040.74	5.51676	(14010316)
438589.32	3725053.83	5.06207	(14010316)	438595.97	3725066.92	4.60220	(14010316)
438602.61	3725080.01	4.57405	(16030109)	438609.26	3725093.10	4.57550	(16030109)
438615.91	3725106.19	4.57056	(16030109)	438622.56	3725119.29	4.90074	(14120116)
438629.21	3725132.38	5.30201	(14120116)	438635.86	3725145.47	5.67340	(14120116)
438642.50	3725158.56	6.00919	(14120116)	438649.15	3725171.65	6.29904	(14120116)
438655.80	3725184.74	6.54128	(14120116)	438662.45	3725197.84	6.73018	(14120116)
438669.10	3725210.93	6.85699	(14120116)	438675.74	3725224.02	6.92235	(14120116)
438682.39	3725237.11	6.92944	(14120116)	438689.04	3725250.20	6.87757	(14120116)
438695.69	3725263.29	6.77071	(14120116)	438702.34	3725276.38	6.60742	(14120116)
438708.99	3725289.48	6.39254	(14120116)	438715.63	3725302.57	6.37818	(14120516)
438722.28	3725315.66	6.68391	(14120516)	438728.93	3725328.75	6.94874	(14120516)
438729.99	3725342.28	7.23485	(14120516)	438725.46	3725356.25	8.02221	(11102516)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438720.93	3725370.21	8.88316	(11102516)	438716.41	3725384.18	9.72014	(11102516)
438711.88	3725398.15	10.50703	(11102516)	438707.35	3725412.12	11.20836	(11102516)
438702.82	3725426.08	11.79999	(11102516)	438698.29	3725440.05	12.29783	(12022716)
438693.77	3725454.02	13.25386	(12022716)	438689.24	3725467.99	14.12774	(12022716)
438684.71	3725481.95	14.90962	(12022716)	438680.18	3725495.92	15.58945	(12022716)
438675.65	3725509.89	16.14379	(12022716)	438671.13	3725523.85	16.56507	(12022716)
438666.60	3725537.82	16.84111	(12022716)	438594.15	3725761.30	10.44362	(12121416)
438589.62	3725775.27	10.47275	(12121416)	438557.92	3725873.04	8.82443	(12121416)
438553.40	3725887.00	8.38491	(12121416)	438548.87	3725900.97	7.91954	(12121416)
438544.34	3725914.94	7.43006	(12121416)	438539.81	3725928.90	6.93180	(12121416)
438535.28	3725942.87	6.42973	(12121416)	438530.75	3725956.84	5.92845	(12121416)
438526.23	3725970.81	5.43507	(12121416)	438521.70	3725984.77	4.95037	(12121416)
438517.17	3725998.74	4.44100	(12121416)	438512.64	3726012.71	3.93573	(12121416)
438476.50	3725934.46	5.97523	(12121416)	438497.20	3725973.22	4.95811	(12121416)
438502.73	3725966.00	5.26875	(12121416)	438508.26	3725958.79	5.57996	(12121416)
438528.95	3725997.55	4.64682	(12121416)	438534.48	3725990.33	4.94456	(12121416)
438540.01	3725983.11	5.23562	(12121416)	438532.37	3725523.37	21.42139	(12022716)
438566.53	3725546.99	19.75363	(12022716)	438571.60	3725531.21	19.90594	(12022716)
438598.90	3725569.98	18.17479	(12022716)	438592.04	3725585.10	17.68415	(12022716)
438684.17	3725570.58	16.20395	(12022716)	438539.30	3725890.28	8.18586	(12121416)
438532.40	3725905.50	7.62629	(12121416)	438525.50	3725920.73	7.05054	(12121416)
438518.60	3725935.95	6.46630	(12121416)	438689.27	3725554.71	16.21727	(12022716)
438723.39	3725578.44	15.25361	(12022716)	438716.47	3725593.71	15.13186	(12022716)
438709.55	3725608.98	14.83982	(12022716)	438702.63	3725624.26	14.38806	(12022716)
438661.11	3725715.88	9.36733	(12022716)	438640.35	3725761.69	9.75838	(12121416)
438633.43	3725776.96	9.91376	(12121416)	438626.51	3725792.23	9.98650	(12121416)
438619.59	3725807.50	9.97389	(12121416)	438612.67	3725822.77	9.87758	(12121416)
438605.75	3725838.04	9.69330	(12121416)	438598.83	3725853.31	9.43560	(12121416)
438591.91	3725868.59	9.07491	(12121416)	438584.99	3725883.86	8.63169	(12121416)
438578.07	3725899.13	8.15546	(12121416)	438571.15	3725914.40	7.66426	(12121416)
438564.23	3725929.67	7.14185	(12121416)	438557.31	3725944.94	6.60244	(12121416)
438550.39	3725960.21	6.05234	(12121416)	438728.50	3725562.55	15.23971	(12022716)
438498.32	3725487.89	22.98461	(12022716)	438502.28	3725464.48	22.13746	(12022716)
438537.73	3725494.71	21.22561	(12022716)	438535.26	3725508.31	21.42750	(12022716)
438540.36	3725479.43	20.75538	(12022716)	438658.78	3725498.86	16.43399	(12022716)
438661.56	3725481.91	15.73752	(12022716)	438695.37	3725521.97	15.77727	(12022716)
438692.41	3725538.29	16.08855	(12022716)	438698.25	3725505.33	15.28352	(12022716)
438701.03	3725488.39	14.61403	(12022716)	438735.09	3725527.08	14.70367	(12022716)
438732.62	3725540.68	14.99563	(12022716)	438737.72	3725511.81	14.25506	(12022716)
438740.50	3725494.86	13.61885	(12022716)	437801.05	3725247.31	146.88195	(12022716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437796.70	3725239.12	135.62135	(14010316)	437815.01	3725258.24	167.20396	(12022716)
437809.88	3725242.62	123.57959	(14010316)	437805.54	3725234.44	124.71465	(14010316)
437824.00	3725255.04	139.22481	(12022716)	437823.06	3725246.12	111.65437	(14120116)
437818.71	3725237.94	114.57360	(14010316)	437814.37	3725229.75	115.61074	(14010316)
437810.02	3725221.56	114.28215	(14010316)	437832.81	3725250.10	111.84957	(12022716)
437827.55	3725233.25	106.59497	(14010316)	437823.20	3725225.06	107.31151	(14010316)
437818.86	3725216.87	105.85982	(14010316)	437836.38	3725228.56	100.09981	(14010316)
437832.04	3725220.37	100.07126	(14010316)	437827.69	3725212.19	98.23491	(14010316)
437823.35	3725204.00	94.90397	(14010316)	437845.21	3725223.87	94.21376	(14010316)
437840.87	3725215.69	94.08489	(14010316)	437836.52	3725207.50	92.09062	(14010316)
437832.18	3725199.31	88.42572	(14010316)	437854.05	3725219.19	88.67882	(14010316)
437849.70	3725211.00	88.43596	(14010316)	437845.36	3725202.81	86.56106	(14010316)
437841.01	3725194.62	83.17269	(14010316)	437933.69	3725155.93	45.94680	(14010316)
437929.34	3725147.75	43.96752	(14010316)	437951.36	3725146.56	41.08268	(14010316)
438061.56	3725119.56	26.52366	(14010316)	438048.52	3725094.99	24.22769	(14010316)
438088.06	3725105.49	23.67564	(14010316)	438083.71	3725097.31	23.11196	(14010316)
438079.37	3725089.12	22.36243	(14010316)	438075.02	3725080.93	21.42874	(14010316)
438070.68	3725072.74	20.33047	(14010316)	438122.19	3725163.88	21.31117	(14010316)
438123.15	3725172.93	20.56267	(14010316)	438114.56	3725091.43	21.16816	(14010316)
438110.21	3725083.24	20.59808	(14010316)	438105.87	3725075.06	19.87296	(14010316)
438101.52	3725066.87	19.00363	(14010316)	438097.18	3725058.68	18.00375	(14010316)
438147.83	3725141.62	20.17334	(14010316)	438148.80	3725150.80	19.70099	(14010316)
438149.76	3725159.97	19.07298	(14010316)	438150.73	3725169.15	18.31192	(14010316)
438176.13	3725144.64	17.78939	(14010316)	438177.08	3725153.67	17.20897	(14010316)
438178.03	3725162.71	16.51959	(14010316)	438178.99	3725171.75	15.73259	(14010316)
438183.75	3725216.93	19.73780	(14120116)	438184.70	3725225.97	20.47108	(14120116)
438221.51	3725044.20	14.47098	(14010316)	438220.55	3725035.18	13.94107	(14010316)
438216.21	3725026.99	13.44752	(14010316)	438211.86	3725018.80	12.87600	(14010316)
438207.52	3725010.62	12.23373	(14010316)	438203.17	3725002.43	12.28554	(16011916)
438250.90	3725057.59	14.24187	(14010316)	438251.86	3725066.71	14.42142	(14010316)
438252.82	3725075.83	14.50493	(14010316)	438266.28	3725203.49	15.06829	(14120116)
438267.24	3725212.61	15.69302	(14120116)	438273.01	3725267.33	17.36792	(14120116)
438273.97	3725276.44	17.24359	(14120116)	438275.49	3725025.47	12.41987	(14010316)
438276.47	3725034.67	12.78365	(14010316)	438277.44	3725043.88	13.06704	(14010316)
438278.41	3725053.09	13.26038	(14010316)	438297.82	3725237.23	15.80591	(14120116)
438298.79	3725246.43	16.03486	(14120116)	438299.76	3725255.64	16.15981	(14120116)
438300.73	3725264.85	16.17705	(14120116)	438301.70	3725274.06	16.07727	(14120116)
438301.97	3725011.19	11.31879	(14010316)	438302.93	3725020.28	11.68493	(14010316)
438303.89	3725029.38	11.97996	(14010316)	438304.85	3725038.48	12.20068	(14010316)
438310.60	3725093.07	11.93210	(14010316)	438311.56	3725102.17	11.63369	(14010316)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438312.52	3725111.27	11.26890	(14010316)	438313.48	3725120.36	10.84314	(14010316)
438314.44	3725129.46	10.36045	(14010316)	438315.40	3725138.56	9.82867	(14010316)
438326.91	3725247.74	14.95890	(14120116)	438347.92	3725093.12	10.43191	(14010316)
438348.88	3725102.27	10.08737	(14010316)	438349.85	3725111.41	9.69033	(14010316)
438350.81	3725120.56	9.24699	(14010316)	438351.78	3725129.70	8.76344	(14010316)
438352.74	3725138.85	8.24763	(14010316)	438371.06	3725312.60	15.66882	(11102516)
438372.02	3725321.74	16.76543	(11102516)	438372.99	3725330.89	17.77478	(11102516)
438373.95	3725340.03	18.68803	(11102516)	438375.88	3725358.32	20.55098	(12022716)
438383.31	3725074.91	9.65337	(14010316)	438384.28	3725084.10	9.37881	(14010316)
438385.25	3725093.28	9.05596	(14010316)	438386.21	3725102.47	8.68978	(14010316)
438387.18	3725111.66	8.28617	(14010316)	438388.15	3725120.84	7.85005	(14010316)
438389.12	3725130.03	7.38796	(14010316)	438394.93	3725185.15	10.42688	(14120116)
438395.90	3725194.34	10.87716	(14120116)	438396.87	3725203.52	11.28452	(14120116)
438397.84	3725212.71	11.64198	(14120116)	438409.46	3725322.95	15.07393	(11102516)
438410.43	3725332.13	16.01150	(11102516)	438415.27	3725378.06	20.37233	(12022716)
438416.24	3725387.25	21.39162	(12022716)	438417.21	3725396.44	22.35198	(12022716)
438418.18	3725405.62	23.23831	(12022716)	438420.39	3725072.75	8.53538	(14010316)
438421.35	3725081.82	8.24795	(14010316)	438422.30	3725090.88	7.92467	(14010316)
438423.26	3725099.95	7.56964	(14010316)	438424.21	3725109.02	7.18886	(14010316)
438425.17	3725118.09	6.78493	(14010316)	438429.95	3725163.42	8.65869	(14120116)
438430.91	3725172.49	9.11445	(14120116)	438431.86	3725181.56	9.54483	(14120116)
438432.82	3725190.62	9.94116	(14120116)	438433.77	3725199.69	10.30342	(14120116)
438434.73	3725208.76	10.62449	(14120116)	438435.69	3725217.83	10.89858	(14120116)
438436.64	3725226.89	11.11990	(14120116)	438453.85	3725390.11	19.26250	(12022716)
438454.81	3725399.17	20.15059	(12022716)	438455.76	3725408.24	20.98210	(12022716)
438456.72	3725417.31	21.74767	(12022716)	438457.67	3725426.38	22.44873	(12022716)
438458.63	3725435.44	23.07360	(12022716)	438455.79	3725054.61	7.98023	(14010316)
438456.75	3725063.71	7.74348	(14010316)	438457.71	3725072.82	7.47205	(14010316)
438458.67	3725081.93	7.16944	(14010316)	438459.63	3725091.04	6.84030	(14010316)
438460.59	3725100.15	6.48890	(14010316)	438461.55	3725109.25	6.12048	(14010316)
438467.31	3725163.90	8.15748	(14120116)	438468.27	3725173.01	8.55736	(14120116)
438469.23	3725182.12	8.93374	(14120116)	438470.19	3725191.23	9.28133	(14120116)
438471.15	3725200.33	9.59267	(14120116)	438472.11	3725209.44	9.86527	(14120116)
438476.91	3725254.98	10.50029	(14120116)	438477.87	3725264.09	10.46336	(14120116)
438478.83	3725273.20	10.38250	(14120116)	438479.79	3725282.31	10.25224	(14120116)
438480.75	3725291.41	10.07109	(14120116)	438493.24	3725409.82	18.90295	(12022716)
438494.20	3725418.93	19.65258	(12022716)	438495.16	3725428.03	20.33687	(12022716)
438492.14	3725045.55	7.27917	(14010316)	438493.11	3725054.70	7.04894	(14010316)
438494.07	3725063.84	6.79162	(14010316)	438495.04	3725072.99	6.50832	(14010316)
438496.00	3725082.13	6.20311	(14010316)	438496.96	3725091.28	5.87905	(14010316)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438497.93	3725100.42	5.54089	(14010316)	438502.75	3725146.15	6.92926	(14120116)
438503.71	3725155.29	7.31732	(14120116)	438504.68	3725164.44	7.69124	(14120116)
438505.64	3725173.58	8.04618	(14120116)	438506.61	3725182.73	8.37782	(14120116)
438507.57	3725191.87	8.68071	(14120116)	438508.53	3725201.02	8.95006	(14120116)
438514.32	3725255.89	9.68627	(14120116)	438515.28	3725265.03	9.64465	(14120116)
438516.25	3725274.18	9.55903	(14120116)	438517.21	3725283.32	9.42648	(14120116)
438518.17	3725292.47	9.24796	(14120116)	438519.14	3725301.61	9.43143	(14120516)
438527.53	3725027.34	6.87300	(14010316)	438528.50	3725036.52	6.68029	(14010316)
438529.47	3725045.70	6.45897	(14010316)	438530.44	3725054.88	6.21200	(14010316)
438531.40	3725064.06	5.94375	(14010316)	438532.37	3725073.23	5.65708	(14010316)
438533.34	3725082.41	5.35542	(14010316)	438534.31	3725091.59	5.04660	(14010316)
438539.15	3725137.48	6.20837	(14120116)	438540.11	3725146.66	6.57815	(14120116)
438541.08	3725155.84	6.93108	(14120116)	438542.05	3725165.02	7.26648	(14120116)
438543.02	3725174.20	7.58153	(14120116)	438543.98	3725183.38	7.87026	(14120116)
438544.95	3725192.55	8.13056	(14120116)	438549.79	3725238.45	8.92831	(14120116)
438550.76	3725247.63	8.96855	(14120116)	438551.72	3725256.80	8.96536	(14120116)
438552.69	3725265.98	8.91768	(14120116)	438553.66	3725275.16	8.82241	(14120116)
438554.63	3725284.34	8.68166	(14120116)	438555.60	3725293.52	8.49652	(14120116)
438561.40	3725348.59	11.62263	(11102516)	438564.86	3725027.50	6.14277	(14010316)
438565.83	3725036.71	5.93062	(14010316)	438566.80	3725045.92	5.69607	(14010316)
438567.77	3725055.13	5.44222	(14010316)	438568.74	3725064.34	5.17865	(14010316)
438569.71	3725073.55	4.90387	(14010316)	438575.54	3725128.80	5.56804	(14120116)
438576.51	3725138.01	5.91726	(14120116)	438577.48	3725147.22	6.25423	(14120116)
438578.45	3725156.43	6.57256	(14120116)	438579.42	3725165.64	6.87270	(14120116)
438580.39	3725174.85	7.15092	(14120116)	438581.37	3725184.06	7.40199	(14120116)
438586.22	3725230.11	8.23086	(14120116)	438587.19	3725239.32	8.29545	(14120116)
438588.16	3725248.52	8.32139	(14120116)	438589.13	3725257.73	8.30854	(14120116)
438590.10	3725266.94	8.25596	(14120116)	438591.07	3725276.15	8.16115	(14120116)
438592.05	3725285.36	8.02600	(14120116)	438596.90	3725331.41	9.21746	(11102516)
438597.87	3725340.62	9.88897	(11102516)	438598.84	3725349.83	10.54589	(11102516)
438599.81	3725359.04	11.18769	(11102516)	438604.67	3725405.08	13.69703	(11102516)
438605.64	3725414.29	14.00834	(11102516)	438606.61	3725423.50	14.54869	(12022716)
438607.58	3725432.71	15.16736	(12022716)	438608.55	3725441.92	15.74481	(12022716)
438604.82	3725052.62	4.80790	(14010316)	438605.78	3725061.73	4.55963	(14010316)
438606.74	3725070.84	4.54231	(16030109)	438611.54	3725116.42	4.86433	(14120116)
438612.50	3725125.53	5.18318	(14120116)	438613.47	3725134.64	5.49602	(14120116)
438614.43	3725143.76	5.79961	(14120116)	438615.39	3725152.87	6.09240	(14120116)
438616.35	3725161.99	6.36943	(14120116)	438623.07	3725225.79	7.63383	(14120116)
438624.04	3725234.90	7.70155	(14120116)	438625.00	3725244.02	7.73603	(14120116)
438625.96	3725253.13	7.73737	(14120116)	438626.92	3725262.25	7.70548	(14120116)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438627.88	3725271.36	7.63734	(14120116)	438633.64	3725326.05	8.13902	(14120516)
438634.61	3725335.16	8.53943	(11102516)	438635.57	3725344.28	9.14073	(11102516)
438636.53	3725353.39	9.73223	(11102516)	438641.33	3725398.96	12.37258	(11102516)
438642.29	3725408.08	12.74345	(11102516)	438643.25	3725417.19	13.04665	(11102516)
438644.21	3725426.31	13.30416	(11102516)	438645.18	3725435.42	13.86232	(12022716)
438646.14	3725444.53	14.40462	(12022716)	438646.01	3725089.43	4.45699	(16030109)
438646.97	3725098.58	4.46491	(16030109)	438647.94	3725107.72	4.47007	(16030109)
438648.90	3725116.87	4.66443	(14120116)	438649.87	3725126.01	4.95066	(14120116)
438650.83	3725135.16	5.23164	(14120116)	438651.79	3725144.30	5.50325	(14120116)
438652.76	3725153.45	5.76523	(14120116)	438653.72	3725162.59	6.01282	(14120116)
438658.54	3725208.32	6.94751	(14120116)	438659.51	3725217.46	7.05570	(14120116)
438660.47	3725226.61	7.13788	(14120116)	438661.43	3725235.75	7.19180	(14120116)
438662.40	3725244.90	7.21557	(14120116)	438663.36	3725254.04	7.21025	(14120116)
438664.33	3725263.19	7.17474	(14120116)	438670.11	3725318.06	7.38883	(14120516)
438671.08	3725327.20	7.62603	(14120516)	438672.04	3725336.35	7.85329	(11102516)
438673.00	3725345.49	8.39440	(11102516)	438673.97	3725354.64	8.93086	(11102516)
438674.93	3725363.78	9.48534	(11102516)	438679.75	3725409.51	11.79670	(11102516)
438680.72	3725418.65	12.11282	(11102516)	438681.68	3725427.80	12.37061	(11102516)
438682.65	3725436.94	12.62537	(12022716)	438683.61	3725446.08	13.14974	(12022716)
438684.57	3725455.23	13.63245	(12022716)	438688.43	3725491.81	15.16474	(12022716)
438689.39	3725500.95	15.44106	(12022716)	438690.36	3725510.10	15.66915	(12022716)
438687.23	3725126.54	4.71257	(14120116)	438688.20	3725135.71	4.96934	(14120116)
438689.16	3725144.89	5.21790	(14120116)	438690.13	3725154.06	5.45560	(14120116)
438691.10	3725163.23	5.67955	(14120116)	438692.07	3725172.41	5.88755	(14120116)
438693.03	3725181.58	6.07967	(14120116)	438694.00	3725190.75	6.25085	(14120116)
438694.97	3725199.93	6.39856	(14120116)	438695.93	3725209.10	6.51986	(14120116)
438696.90	3725218.27	6.61269	(14120116)	438697.87	3725227.45	6.68108	(14120116)
438698.84	3725236.62	6.72398	(14120116)	438699.80	3725245.79	6.73961	(14120116)
438700.77	3725254.96	6.72932	(14120116)	438705.61	3725300.83	6.43854	(14120516)
438706.57	3725310.00	6.70248	(14120516)	438707.54	3725319.18	6.94754	(14120516)
438708.51	3725328.35	7.17303	(14120516)	438709.47	3725337.52	7.37832	(14120516)
438710.44	3725346.70	7.76121	(11102516)	438711.41	3725355.87	8.25036	(11102516)
438712.38	3725365.04	8.76324	(11102516)	438717.21	3725410.91	10.92480	(11102516)
438718.18	3725420.08	11.23737	(11102516)	438719.14	3725429.25	11.50182	(11102516)
438720.11	3725438.43	11.71590	(11102516)	438721.08	3725447.60	12.01662	(12022716)
438722.05	3725456.77	12.48471	(12022716)	438723.01	3725465.95	12.91943	(12022716)
438723.98	3725475.12	13.31610	(12022716)	438724.95	3725484.29	13.68103	(12022716)
438725.91	3725493.47	14.01125	(12022716)	438726.88	3725502.64	14.30073	(12022716)
438727.85	3725511.81	14.54892	(12022716)	437709.73	3725187.70	193.84722	(16122116)
437701.97	3725182.37	196.58750	(16122115)	437715.39	3725179.46	162.06243	(16122116)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437707.64	3725174.13	163.85684	(16122116)	437721.06	3725171.22	140.24739	(16121416)
437713.30	3725165.89	140.68915	(16122116)	437726.72	3725162.98	124.98745	(16121416)
437718.97	3725157.65	124.28489	(16121416)	437732.39	3725154.74	112.31304	(16121416)
437724.63	3725149.41	112.26483	(16102716)	437797.88	3725190.03	100.67561	(14012116)
437738.05	3725146.50	101.63996	(16121416)	437730.30	3725141.17	102.46982	(16102716)
437803.07	3725181.26	90.53842	(14012116)	437813.21	3725192.63	89.05880	(14012116)
437790.25	3725170.24	91.50133	(14012116)	437782.49	3725164.91	91.58022	(14012116)
437774.74	3725159.58	90.42603	(14012116)	437766.98	3725154.25	88.25047	(14012116)
437759.23	3725148.92	88.03816	(16122716)	437751.47	3725143.59	89.41969	(16121416)
437743.72	3725138.26	91.08609	(16121416)	437735.96	3725132.93	93.32136	(16102716)
437809.37	3725173.73	81.91030	(14012116)	437820.77	3725186.52	81.43929	(14010316)
437795.91	3725162.00	81.97208	(14012116)	437788.16	3725156.67	81.73452	(14012116)
437780.40	3725151.34	80.47679	(14012116)	437772.65	3725146.01	79.04690	(16122716)
437764.89	3725140.68	79.42879	(16122716)	437757.14	3725135.35	80.67501	(16121416)
437749.38	3725130.02	82.09432	(16121416)	437741.63	3725124.68	84.90032	(16102716)
437814.61	3725165.02	75.95827	(16120816)	437825.17	3725176.86	74.65222	(16120816)
437801.58	3725153.76	74.09862	(16120816)	437793.82	3725148.43	73.37899	(14012116)
437786.07	3725143.10	72.28252	(14012116)	437778.31	3725137.77	72.44024	(16122716)
437770.56	3725132.44	72.31180	(16122716)	437762.80	3725127.11	73.36847	(16121416)
437755.05	3725121.78	74.63370	(16102716)	437747.29	3725116.44	77.54539	(16102716)
437836.95	3725160.89	67.07320	(16120816)	437811.70	3725039.37	35.87405	(16120916)
437803.94	3725034.04	36.24122	(16102716)	437883.12	3725066.72	35.20108	(16012216)
437894.74	3725079.75	36.57286	(16012216)	437906.35	3725092.78	36.59809	(16120816)
437917.97	3725105.80	36.26191	(16120816)	437869.56	3725054.88	32.85553	(16012216)
437861.80	3725049.54	33.45954	(16120916)	437854.05	3725044.21	33.88163	(16120916)
437846.29	3725038.88	33.93993	(16120916)	437838.54	3725033.55	33.63790	(16120916)
437830.78	3725028.22	32.96465	(16120916)	437823.03	3725022.89	31.96035	(16120916)
437815.27	3725017.56	31.78831	(16102716)	437894.49	3725050.29	31.46250	(16012216)
437906.19	3725063.40	33.00847	(16012216)	437917.89	3725076.52	33.32363	(16012216)
437929.58	3725089.64	32.91894	(16120816)	437941.28	3725102.76	32.83820	(16011916)
437880.89	3725038.39	29.49584	(16120916)	437873.13	3725033.06	30.12881	(16120916)
437865.38	3725027.73	30.46275	(16120916)	437857.62	3725022.40	30.46868	(16120916)
437849.87	3725017.07	30.15966	(16120916)	437842.11	3725011.74	29.55241	(16120916)
437834.36	3725006.41	28.65193	(16120916)	437826.60	3725001.08	28.04117	(16102716)
437905.86	3725033.84	28.19446	(16012216)	437917.62	3725047.04	29.85231	(16012216)
437929.39	3725060.24	30.44839	(16012216)	437941.16	3725073.43	29.90963	(16012216)
437952.93	3725086.63	29.53532	(16011916)	437964.69	3725099.83	30.17706	(16011916)
437892.22	3725021.91	26.74618	(16120916)	437884.46	3725016.58	27.25189	(16120916)
437876.71	3725011.25	27.49560	(16120916)	437868.95	3725005.92	27.47346	(16120916)
437861.20	3725000.59	27.17352	(16120916)	437853.44	3724995.26	26.61331	(16120916)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437845.69	3724989.93	25.80725	(16120916)	437837.93	3724984.60	25.10375	(16121416)
437917.22	3725017.40	25.32854	(16012216)	437929.04	3725030.66	27.04233	(16012216)
437940.87	3725043.92	27.84561	(16012216)	437952.70	3725057.19	27.65250	(16012216)
437964.53	3725070.45	26.97383	(16120816)	437976.35	3725083.72	27.47981	(16011916)
437988.18	3725096.98	27.57232	(16011916)	437903.55	3725005.43	24.33466	(16120916)
437895.79	3725000.10	24.74930	(16120916)	437888.04	3724994.77	24.93191	(16120916)
437880.28	3724989.44	24.87742	(16120916)	437872.53	3724984.11	24.59113	(16120916)
437864.77	3724978.78	24.07844	(16120916)	437857.02	3724973.45	23.35062	(16120916)
437849.26	3724968.11	22.59535	(16121416)	437928.57	3725000.94	22.80132	(16012216)
437940.45	3725014.27	24.53572	(16012216)	437946.39	3725020.93	25.11862	(16012216)
437970.15	3725047.58	25.27702	(16012216)	437982.03	3725060.90	24.55289	(16120816)
437993.92	3725074.22	25.27585	(16011916)	437914.88	3724988.95	22.21806	(16120916)
437907.12	3724983.62	22.55574	(16120916)	437899.37	3724978.29	22.69466	(16120916)
437891.61	3724972.96	22.62805	(16120916)	437883.86	3724967.63	22.35161	(16120916)
437876.10	3724962.30	21.87799	(16120916)	437868.35	3724956.96	21.22019	(16120916)
437860.59	3724951.63	20.44412	(16121416)	437945.78	3724976.46	19.58789	(16012216)
437951.93	3724983.35	20.53316	(16012216)	437976.53	3725010.94	22.69041	(16012216)
437982.68	3725017.84	22.75325	(16012216)	437988.83	3725024.74	22.61710	(16012216)
437994.98	3725031.63	22.28547	(16012216)	438001.13	3725038.53	21.77610	(16120816)
438007.28	3725045.43	21.72542	(16011916)	438013.43	3725052.32	22.16495	(16011916)
437939.63	3724969.56	19.12665	(16120916)	437931.87	3724964.23	19.52243	(16120916)
437924.12	3724958.90	19.75775	(16120916)	437916.36	3724953.57	19.83398	(16120916)
437908.61	3724948.24	19.74817	(16120916)	437900.85	3724942.90	19.49556	(16120916)
437893.10	3724937.57	19.08272	(16120916)	437885.34	3724932.24	18.51794	(16120916)
437877.59	3724926.91	17.81139	(16120916)	437974.63	3724965.03	18.50552	(16012216)
437980.63	3724971.77	19.16140	(16012216)	437986.64	3724978.50	19.68147	(16012216)
437992.64	3724985.23	20.05508	(16012216)	437998.64	3724991.96	20.27458	(16012216)
438004.64	3724998.69	20.33329	(16012216)	438010.65	3725005.43	20.23167	(16012216)
438016.65	3725012.16	19.97083	(16012216)	438022.65	3725018.89	19.55677	(16012216)
438034.66	3725032.35	19.58149	(16011916)	437933.36	3724928.85	17.47095	(16120916)
437925.60	3724923.51	17.36612	(16120916)	437917.85	3724918.18	17.12886	(16120916)
437910.09	3724912.85	16.76399	(16120916)	437902.34	3724907.52	16.27602	(16120916)
437894.58	3724902.19	15.67090	(16120916)	437979.80	3724927.05	14.93341	(16120916)
437985.97	3724933.97	15.44158	(16012216)	437992.15	3724940.90	16.20227	(16012216)
437998.33	3724947.83	16.86093	(16012216)	438004.51	3724954.76	17.40407	(16012216)
438010.68	3724961.69	17.82043	(16012216)	438016.86	3724968.61	18.10453	(16012216)
438023.04	3724975.54	18.24894	(16012216)	438029.22	3724982.47	18.25193	(16012216)
438035.40	3724989.40	18.11117	(16012216)	438041.57	3724996.33	17.86611	(16012216)
438047.75	3725003.26	17.52365	(16012216)	438053.93	3725010.18	17.40574	(16011916)
438091.00	3725051.75	18.14145	(16011916)	437973.62	3724920.12	15.12417	(16120916)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437965.86	3724914.79	15.34953	(16120916)	437934.84	3724893.46	15.14042	(16120916)
437927.09	3724888.13	14.81187	(16120916)	437919.33	3724882.80	14.38048	(16120916)
437911.58	3724877.47	13.85652	(16120916)	437996.66	3724902.18	13.39504	(16120916)
438002.71	3724908.96	13.45489	(16012216)	438008.76	3724915.74	14.18568	(16012216)
438014.81	3724922.53	14.84436	(16012216)	438020.85	3724929.31	15.42450	(16012216)
438026.90	3724936.09	15.91337	(16012216)	438032.95	3724942.88	16.32129	(16012216)
438039.00	3724949.66	16.58754	(16012216)	438045.05	3724956.44	16.73330	(16012216)
438051.10	3724963.22	16.74992	(16012216)	438057.14	3724970.01	16.65891	(16012216)
438063.19	3724976.79	16.44252	(16012216)	438069.24	3724983.57	16.09035	(16012216)
438075.29	3724990.36	15.60972	(16012216)	438032.40	3724898.48	13.13893	(16012216)
438038.60	3724905.43	13.74177	(16012216)	438044.80	3724912.38	14.27012	(16012216)
438051.00	3724919.33	14.69906	(16012216)	438057.20	3724926.28	15.02091	(16012216)
438063.39	3724933.24	15.22910	(16012216)	438069.59	3724940.19	15.31694	(16012216)
438075.79	3724947.14	15.28638	(16012216)	438081.99	3724954.09	15.13341	(16012216)
438088.19	3724961.04	14.86294	(16012216)	438094.39	3724967.99	14.48237	(16012216)
437992.10	3724860.01	12.40398	(16120916)	437984.34	3724854.68	12.38982	(16120916)
437976.59	3724849.35	12.27672	(16120916)	437968.83	3724844.02	12.08271	(16120916)
437961.08	3724838.69	11.81049	(16120916)	437953.32	3724833.36	11.46805	(16120916)
437945.57	3724828.02	11.06809	(16120916)	438030.69	3724852.77	10.92253	(16120916)
438036.77	3724859.60	10.73973	(16120916)	438067.18	3724893.70	13.02254	(16012216)
438073.27	3724900.52	13.38519	(16012216)	438079.35	3724907.35	13.66102	(16012216)
438085.43	3724914.17	13.84741	(16012216)	438091.51	3724920.99	13.93124	(16012216)
438097.60	3724927.81	13.91102	(16012216)	438103.68	3724934.63	13.78211	(16012216)
438024.60	3724845.95	11.03737	(16120916)	438016.85	3724840.62	11.15349	(16120916)
438009.09	3724835.29	11.19747	(16120916)	438001.34	3724829.96	11.17118	(16120916)
437993.58	3724824.63	11.06946	(16120916)	437985.83	3724819.30	10.89554	(16120916)
437978.07	3724813.96	10.65513	(16120916)	437970.32	3724808.63	10.35832	(16120916)
437962.56	3724803.30	10.00123	(16120916)	438190.75	3724988.49	12.70747	(16011916)
438196.96	3724995.46	12.51839	(16011916)	438018.33	3724805.24	10.14979	(16120916)
438010.58	3724799.91	10.04783	(16120916)	438002.82	3724794.57	9.88705	(16120916)
437995.07	3724789.24	9.66947	(16120916)	437987.31	3724783.91	9.39581	(16120916)
437979.56	3724778.58	9.06710	(16120916)	438107.47	3724851.33	10.76719	(16012216)
438113.58	3724858.18	11.09444	(16012216)	438119.69	3724865.03	11.35422	(16012216)
438125.80	3724871.88	11.54159	(16012216)	438131.91	3724878.73	11.65053	(16012216)
438138.02	3724885.59	11.67726	(16012216)	438144.13	3724892.44	11.62349	(16012216)
438150.24	3724899.29	11.48986	(16012216)	438156.35	3724906.14	11.27851	(16012216)
438162.46	3724912.99	10.99268	(16012216)	438168.57	3724919.85	10.64317	(16012216)
438081.82	3724778.77	8.46225	(16120916)	438088.04	3724785.75	8.37225	(16120916)
438094.27	3724792.74	8.22390	(16120916)	438100.50	3724799.72	8.03027	(16120916)
438106.72	3724806.70	8.39456	(16012216)	438112.95	3724813.69	8.86208	(16012216)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438119.18	3724820.67	9.29749	(16012216)	438125.41	3724827.65	9.69080	(16012216)
438131.63	3724834.64	10.03015	(16012216)	438137.86	3724841.62	10.30961	(16012216)
438144.09	3724848.60	10.52358	(16012216)	438150.31	3724855.59	10.66593	(16012216)
438156.54	3724862.57	10.73640	(16012216)	438162.77	3724869.55	10.73031	(16012216)
438168.99	3724876.54	10.64873	(16012216)	438175.22	3724883.52	10.49381	(16012216)
438181.45	3724890.50	10.26935	(16012216)	438075.59	3724771.79	8.50492	(16120916)
438067.83	3724766.46	8.55629	(16120916)	438060.08	3724761.12	8.56358	(16120916)
438052.32	3724755.79	8.52423	(16120916)	438044.57	3724750.46	8.42162	(16120916)
438036.81	3724745.13	8.26545	(16120916)	438029.06	3724739.80	8.05816	(16120916)
438021.30	3724734.47	7.81138	(16120916)	438013.55	3724729.14	7.52954	(16120916)
438098.72	3724753.94	7.80763	(16120916)	438104.85	3724760.82	7.73766	(16120916)
438110.98	3724767.70	7.62253	(16120916)	438117.11	3724774.57	7.46999	(16120916)
438123.24	3724781.45	7.39231	(16012216)	438129.38	3724788.33	7.82818	(16012216)
438135.51	3724795.20	8.24098	(16012216)	438141.64	3724802.08	8.62048	(16012216)
438147.77	3724808.95	8.95876	(16012216)	438153.90	3724815.83	9.24999	(16012216)
438160.03	3724822.71	9.49631	(16012216)	438166.17	3724829.58	9.68643	(16012216)
438172.30	3724836.46	9.81572	(16012216)	438178.43	3724843.34	9.88111	(16012216)
438092.58	3724747.07	7.82480	(16120916)	438084.83	3724741.73	7.85053	(16120916)
438077.07	3724736.40	7.83384	(16120916)	438069.32	3724731.07	7.77406	(16120916)
438061.56	3724725.74	7.67195	(16120916)	438053.81	3724720.41	7.52997	(16120916)
438046.05	3724715.08	7.34774	(16120916)	438038.30	3724709.75	7.12679	(16120916)
438030.54	3724704.42	6.86711	(16120916)	438133.68	3724734.77	6.86828	(16120916)
438139.82	3724741.67	6.75337	(16120916)	438145.97	3724748.56	6.60569	(16120916)
438152.11	3724755.45	6.65505	(16012216)	438060.96	3724676.78	6.36029	(16120916)
438053.20	3724671.45	6.13796	(16120916)	437653.57	3725159.91	225.56229	(16122115)
437639.26	3725149.64	188.08324	(16122115)	437688.00	3725172.33	200.20241	(16122115)
437673.70	3725162.06	200.00384	(16122115)	437659.40	3725151.79	188.67776	(16122115)
437645.10	3725141.52	162.06429	(16122115)	437693.84	3725164.21	169.03231	(16122115)
437679.54	3725153.94	169.37433	(16122115)	437665.23	3725143.67	161.76664	(16122115)
437650.93	3725133.39	142.16559	(16122115)	437699.67	3725156.09	144.40756	(16122115)
437685.37	3725145.82	146.00969	(16122115)	437671.07	3725135.54	141.77106	(16122115)
437656.76	3725125.27	127.19669	(16122115)	437705.51	3725147.97	124.52241	(16122115)
437691.20	3725137.69	128.72976	(16122115)	437676.90	3725127.42	125.70973	(16122115)
437662.60	3725117.15	114.75580	(16122115)	437711.34	3725139.84	112.65410	(16102716)
437697.04	3725129.57	114.27802	(16122115)	437682.73	3725119.30	112.49184	(16122115)
437668.43	3725109.03	105.88336	(16122115)	437717.17	3725131.72	103.74233	(16102716)
437702.87	3725121.45	102.12089	(16122115)	437688.57	3725111.18	101.86773	(16122115)
437674.27	3725100.90	97.72065	(16122115)	437723.01	3725123.60	95.15712	(16102716)
437708.70	3725113.33	93.41284	(16102716)	437694.40	3725103.06	92.42205	(16122115)
437680.10	3725092.78	89.34125	(16122115)	437728.84	3725115.48	87.19324	(16102716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437714.54	3725105.21	86.01313	(16102716)	437700.23	3725094.93	83.63803	(16122115)
437685.93	3725084.66	81.56565	(16122115)	437734.67	3725107.36	80.07952	(16102716)
437720.37	3725097.08	79.40582	(16102716)	437706.07	3725086.81	75.55749	(16122115)
437691.77	3725076.54	74.29876	(16122115)	437793.01	3725026.13	38.15105	(16102716)
437778.71	3725015.86	39.58564	(16102716)	437764.40	3725005.59	39.62802	(16102716)
437750.10	3724995.32	38.27870	(16102716)	437804.68	3725009.89	33.57937	(16102716)
437790.37	3724999.62	35.10511	(16102716)	437776.07	3724989.35	35.46101	(16102716)
437761.77	3724979.07	34.63850	(16102716)	437816.34	3724993.65	29.68392	(16102716)
437787.74	3724973.10	31.82183	(16102716)	437773.44	3724962.83	31.41005	(16102716)
437813.71	3724967.13	27.89236	(16102716)	437839.68	3724961.16	23.45713	(16102716)
437825.38	3724950.88	24.99133	(16102716)	437811.07	3724940.61	25.85038	(16102716)
437796.77	3724930.34	25.97648	(16102716)	437851.34	3724944.91	20.97963	(16102716)
437837.04	3724934.64	22.47043	(16102716)	437822.74	3724924.37	23.39063	(16102716)
437808.44	3724914.10	23.68663	(16102716)	437868.85	3724920.55	17.85398	(16102716)
437854.54	3724910.27	19.24444	(16102716)	437840.24	3724900.00	20.21348	(16102716)
437825.94	3724889.73	20.68864	(16102716)	437886.35	3724896.18	15.56013	(16121416)
437872.04	3724885.91	16.58681	(16102716)	437857.74	3724875.64	17.54970	(16102716)
437843.44	3724865.36	18.12950	(16102716)	437899.89	3724832.04	12.99048	(16102716)
437885.59	3724821.77	13.76834	(16102716)	437931.70	3724817.94	10.85012	(16121416)
437917.39	3724807.67	11.39110	(16102716)	437903.09	3724797.40	12.13792	(16102716)
437949.20	3724793.58	9.70894	(16121416)	437934.90	3724783.31	10.02158	(16102716)
437920.59	3724773.03	10.73103	(16102716)	437966.70	3724769.21	8.82296	(16112316)
437952.40	3724758.94	8.85373	(16102716)	437938.09	3724748.67	9.53516	(16102716)
437955.59	3724724.30	8.41617	(16102716)	438019.20	3724696.11	6.74311	(16112316)
438004.90	3724685.84	6.53690	(16112316)	438042.54	3724663.62	6.01275	(16112316)
437619.57	3725132.86	121.76429	(16122115)	437614.95	3725124.56	102.18493	(16122115)
437607.77	3725117.32	86.02660	(16122115)	437623.10	3725110.99	91.60520	(16122115)
437638.72	3725110.16	100.95669	(16122115)	437600.80	3725109.99	77.23942	(12120716)
437615.52	3725103.92	79.69762	(16122115)	437637.87	3725100.08	90.92086	(16122115)
437593.93	3725102.62	70.73395	(12120716)	437608.24	3725096.72	69.45866	(16122115)
437622.55	3725090.81	74.37926	(16122115)	437637.13	3725090.03	82.26745	(16122115)
437588.29	3725094.74	64.46199	(12120716)	437604.64	3725088.00	61.68302	(16122115)
437620.99	3725081.25	67.23727	(16122115)	437637.66	3725080.36	74.82965	(16122115)
437654.63	3725085.33	83.65816	(16122115)	437581.33	3725087.41	59.31044	(12120716)
437597.10	3725080.90	54.63773	(16112916)	437612.87	3725074.39	59.32862	(16122115)
437636.82	3725070.28	67.62266	(16122115)	437669.56	3725079.87	80.20600	(16122115)
437566.77	3725096.63	64.43402	(12120716)	437540.04	3725120.53	80.98194	(13102409)
437526.68	3725132.47	82.06681	(13102409)	437574.45	3725080.04	54.80694	(12120716)
437589.78	3725073.72	51.49856	(16112916)	437605.11	3725067.39	51.83933	(16122115)
437560.10	3725089.18	59.02327	(13102409)	437533.38	3725113.07	73.59525	(13102409)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437520.01	3725125.02	74.47013	(13102409)	437561.63	3725064.92	47.03528	(12120716)
437577.98	3725058.17	45.17600	(16112916)	437594.33	3725051.43	42.21047	(16112916)
437546.77	3725074.27	50.88123	(13102409)	437506.68	3725110.11	62.16074	(13102409)
437547.93	3725050.16	40.78832	(12120716)	437563.54	3725043.72	39.85841	(16112916)
437533.44	3725059.36	44.30004	(13102409)	437699.17	3724980.41	36.41144	(16122115)
437716.15	3724985.38	36.00758	(16122115)	437733.12	3724990.35	36.81250	(16102716)
437662.90	3724950.13	31.79651	(16102416)	437679.38	3724954.95	32.05546	(16102416)
437695.86	3724959.78	32.17007	(16122115)	437712.34	3724964.60	32.13988	(16122115)
437728.81	3724969.43	31.82558	(16102716)	437745.29	3724974.25	33.77619	(16102716)
437466.76	3725011.66	29.41000	(13102409)	437453.40	3725023.61	30.50733	(13102409)
437440.04	3725035.55	30.48786	(13102409)	437481.65	3724975.46	22.67199	(13102409)
437498.01	3724968.71	22.13949	(16112916)	437514.36	3724961.96	22.89450	(16112916)
437646.11	3724925.56	27.67283	(16102416)	437663.09	3724930.53	28.83607	(16102416)
437680.06	3724935.49	29.09672	(16102416)	437697.04	3724940.46	28.64307	(16122115)
437714.02	3724945.43	28.67100	(16122115)	437730.99	3724950.40	28.35329	(16102716)
437747.97	3724955.37	30.31297	(16102716)	437466.80	3724984.80	24.59931	(13102409)
437453.43	3724996.75	26.29586	(13102409)	437440.07	3725008.70	27.17276	(13102409)
437426.71	3725020.64	27.12530	(13102409)	437468.12	3724960.63	20.64554	(13102409)
437484.06	3724954.05	19.79505	(16112916)	437500.01	3724947.47	20.67070	(16112916)
437515.95	3724940.89	20.95767	(16112916)	437531.89	3724934.31	20.63634	(16112916)
437660.96	3724910.24	26.17765	(16102416)	437677.51	3724915.09	26.54914	(16102416)
437694.06	3724919.93	26.15917	(16102416)	437710.62	3724924.78	25.75757	(16122115)
437727.17	3724929.62	25.41907	(16122115)	437743.72	3724934.47	26.64269	(16102716)
437760.27	3724939.32	28.02187	(16102716)	437453.47	3724969.89	22.25205	(13102409)
437440.10	3724981.84	23.65577	(13102409)	437426.74	3724993.79	24.35994	(13102409)
437413.38	3725005.73	24.28572	(13102409)	437454.99	3724945.64	18.86674	(13102409)
437471.35	3724938.89	17.81598	(16112916)	437487.70	3724932.14	18.74614	(16112916)
437504.05	3724925.39	19.15666	(16112916)	437520.40	3724918.65	19.03063	(16112916)
437602.16	3724884.91	19.25725	(16102416)	437677.93	3724895.55	24.30829	(16102416)
437694.91	3724900.52	23.96682	(16102416)	437711.89	3724905.49	23.20855	(16122115)
437728.86	3724910.46	22.93840	(16122115)	437745.84	3724915.43	23.99324	(16102716)
437440.14	3724954.98	20.22376	(13102409)	437426.77	3724966.93	21.39320	(13102409)
437413.41	3724978.88	21.96201	(13102409)	437400.05	3724990.82	21.86711	(13102409)
437441.49	3724930.80	17.32688	(13102409)	437457.48	3724924.20	16.09714	(13102409)
437473.48	3724917.60	16.93763	(16112916)	437489.48	3724911.00	17.47628	(16112916)
437505.47	3724904.39	17.58280	(16112916)	437585.45	3724871.39	16.30245	(16102416)
437601.45	3724864.79	17.73533	(16102416)	437625.75	3724860.62	19.61173	(16102416)
437692.18	3724880.06	22.15842	(16102416)	437708.79	3724884.93	21.40606	(16102416)
437725.40	3724889.79	20.90290	(16122115)	437742.01	3724894.65	21.06369	(16102716)
437775.22	3724904.37	23.62131	(16102716)	437791.83	3724909.23	23.97546	(16102716)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437426.81	3724940.07	18.45691	(13102409)	437413.45	3724952.02	19.43609	(13102409)
437400.08	3724963.96	19.89353	(13102409)	437386.72	3724975.91	19.79102	(13102409)
437421.59	3724908.39	15.31830	(13102409)	437437.78	3724901.71	14.33487	(13102409)
437453.97	3724895.03	14.65675	(16112916)	437470.15	3724888.35	15.29578	(16112916)
437486.34	3724881.67	15.57360	(16112916)	437502.53	3724874.99	15.48324	(16112916)
437567.28	3724848.27	12.99066	(16102416)	437583.47	3724841.59	14.48692	(16102416)
437599.66	3724834.91	15.72920	(16102416)	437624.25	3724830.69	17.36253	(16102416)
437641.06	3724835.61	18.56785	(16102416)	437657.87	3724840.53	19.40123	(16102416)
437725.10	3724860.21	18.22129	(16122115)	437741.90	3724865.13	17.91522	(16122115)
437775.52	3724874.97	20.50379	(16102716)	437792.32	3724879.89	21.10327	(16102716)
437809.13	3724884.81	21.16310	(16102716)	437406.81	3724917.71	16.20774	(13102409)
437393.45	3724929.65	16.96298	(13102409)	437380.09	3724941.60	17.30228	(13102409)
437366.73	3724953.54	17.19341	(13102409)	437401.68	3724885.99	13.64349	(13102409)
437418.03	3724879.25	12.84560	(13102409)	437434.38	3724872.50	12.74231	(16112916)
437450.73	3724865.75	13.42903	(16112916)	437467.08	3724859.00	13.83293	(16112916)
437483.44	3724852.25	13.91562	(16112916)	437565.19	3724818.52	11.66441	(16102416)
437581.55	3724811.77	12.96968	(16102416)	437597.90	3724805.02	14.04931	(16102416)
437622.74	3724800.76	15.47005	(16102416)	437639.72	3724805.73	16.52446	(16102416)
437656.69	3724810.70	17.26794	(16102416)	437673.67	3724815.67	17.64914	(16102416)
437690.65	3724820.64	17.62523	(16102416)	437792.51	3724850.45	18.57671	(16102716)
437809.49	3724855.42	18.88883	(16102716)	437826.46	3724860.39	18.73321	(16102716)
437386.82	3724895.34	14.35404	(13102409)	437373.46	3724907.29	14.95168	(13102409)
437360.09	3724919.23	15.20650	(13102409)	437346.73	3724931.18	15.09157	(13102409)
437381.75	3724863.60	12.24651	(13102409)	437398.25	3724856.79	11.58917	(13102409)
437414.74	3724849.99	11.14291	(16112916)	437431.23	3724843.18	11.83782	(16112916)
437447.72	3724836.37	12.30227	(16112916)	437464.22	3724829.57	12.51320	(16112916)
437546.68	3724795.54	9.84898	(16112916)	437563.17	3724788.73	10.54992	(16102416)
437579.67	3724781.93	11.68580	(16102416)	437596.16	3724775.12	12.62043	(16102416)
437621.21	3724770.82	13.85197	(16102416)	437638.34	3724775.83	14.77181	(16102416)
437655.46	3724780.85	15.43105	(16102416)	437672.58	3724785.86	15.78186	(16102416)
437689.71	3724790.87	15.80303	(16102416)	437706.83	3724795.88	15.48110	(16102416)
437366.83	3724872.97	12.82511	(13102409)	437353.46	3724884.92	13.30200	(13102409)
437340.10	3724896.87	13.49520	(13102409)	437361.56	3724841.31	11.07704	(13102409)
437377.66	3724834.67	10.55226	(13102409)	437393.75	3724828.03	9.86009	(13102409)
437409.85	3724821.39	10.39767	(16112916)	437425.95	3724814.74	10.90357	(16112916)
437442.04	3724808.10	11.21596	(16112916)	437538.62	3724768.25	8.91142	(16112916)
437554.72	3724761.61	9.17835	(16102416)	437570.81	3724754.96	10.18320	(16102416)
437586.91	3724748.32	11.04898	(16102416)	437603.01	3724741.68	11.72910	(16102416)
437619.41	3724740.80	12.44133	(16102416)	437636.12	3724745.69	13.34006	(16102416)
437652.83	3724750.59	14.05470	(16102416)	437669.54	3724755.48	14.46714	(16102416)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437686.26	3724760.37	14.57662	(16102416)	437702.97	3724765.26	14.35508	(16102416)
437753.10	3724779.94	12.50685	(16122115)	437769.81	3724784.83	13.11019	(16102716)
437786.53	3724789.72	14.08179	(16102716)	437803.24	3724794.62	14.78675	(16102716)
437819.95	3724799.51	15.18207	(16102716)	437836.66	3724804.40	15.25484	(16102716)
437853.37	3724809.29	15.00617	(16102716)	437870.08	3724814.18	14.44890	(16102716)
437346.83	3724850.61	11.54335	(13102409)	437333.47	3724862.55	11.93029	(13102409)
437341.63	3724818.92	10.07503	(13102409)	437357.87	3724812.22	9.63565	(13102409)
437374.10	3724805.52	9.04671	(13102409)	437471.49	3724765.33	10.07671	(16112916)
437487.72	3724758.64	9.71543	(16112916)	437503.95	3724751.94	9.20108	(16112916)
437520.18	3724745.24	8.56018	(16112916)	437536.41	3724738.54	7.82049	(16112916)
437552.64	3724731.84	8.38772	(16102416)	437568.88	3724725.14	9.27050	(16102416)
437585.11	3724718.45	10.02636	(16102416)	437601.34	3724711.75	10.62088	(16102416)
437617.88	3724710.87	11.35441	(16102416)	437634.73	3724715.80	12.19827	(16102416)
437651.59	3724720.73	12.82386	(16102416)	437668.44	3724725.67	13.18805	(16102416)
437735.85	3724745.40	11.90617	(16102416)	437752.70	3724750.33	10.99603	(16102416)
437769.55	3724755.26	11.11685	(16102716)	437786.40	3724760.20	12.22674	(16102716)
437803.25	3724765.13	13.03887	(16102716)	437820.11	3724770.06	13.52097	(16102716)
437853.81	3724779.93	13.73101	(16102716)	437870.66	3724784.86	13.40161	(16102716)
437887.52	3724789.80	12.81769	(16102716)	437326.84	3724828.24	10.46014	(13102409)
437313.47	3724840.19	10.77452	(13102409)	437321.70	3724796.53	9.20878	(13102409)
437338.05	3724789.78	8.84025	(13102409)	437436.16	3724749.29	9.40126	(16112916)
437452.52	3724742.55	9.31619	(16112916)	437468.87	3724735.80	9.07364	(16112916)
437485.22	3724729.05	8.68972	(16112916)	437501.57	3724722.30	8.17883	(16112916)
437517.92	3724715.56	7.57104	(16112916)	437534.27	3724708.81	7.16547	(16011909)
437550.63	3724702.06	7.69645	(16102416)	437566.98	3724695.31	8.47675	(16102416)
437583.33	3724688.56	9.13946	(16102416)	437599.68	3724681.82	9.67168	(16102416)
437616.35	3724680.93	10.37726	(16102416)	437684.25	3724700.81	12.02077	(16102416)
437701.23	3724705.78	11.85643	(16102416)	437718.21	3724710.74	11.45213	(16102416)
437735.18	3724715.71	10.81712	(16102416)	437752.16	3724720.68	10.06089	(16102416)
437769.14	3724725.65	9.63167	(16122115)	437786.11	3724730.62	10.56723	(16102716)
437871.00	3724755.47	12.37002	(16102716)	437887.98	3724760.44	11.99170	(16102716)
437904.95	3724765.41	11.39555	(16102716)	437306.84	3724805.88	9.53187	(13102409)
437301.76	3724774.14	8.46061	(13102409)	437400.52	3724733.39	8.45272	(16112916)
437416.98	3724726.60	8.59712	(16112916)	437433.44	3724719.80	8.59807	(16112916)
437449.89	3724713.01	8.45622	(16112916)	437466.35	3724706.22	8.18118	(16112916)
437482.81	3724699.43	7.78402	(16112916)	437499.27	3724692.63	7.28578	(16112916)
437515.73	3724685.84	6.95457	(16011909)	437532.19	3724679.05	6.87547	(16011909)
437548.65	3724672.26	7.08698	(16102416)	437565.11	3724665.47	7.77654	(16102416)
437581.57	3724658.67	8.35961	(16102416)	437598.03	3724651.88	8.90187	(16102416)
437648.98	3724660.99	10.58762	(16102416)	437666.07	3724665.99	10.89091	(16102416)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437683.16	3724671.00	10.96843	(16102416)	437700.25	3724676.00	10.80242	(16102416)
437717.33	3724681.00	10.45358	(16102416)	437734.42	3724686.00	9.92995	(16102416)
437751.51	3724691.00	9.28584	(16102416)	437888.22	3724731.02	11.17325	(16102716)
437905.31	3724736.03	10.75225	(16102716)	437922.40	3724741.03	10.16204	(16102716)
437381.15	3724710.76	7.67464	(16112916)	437397.71	3724703.93	7.86477	(16112916)
437414.26	3724697.10	7.92986	(16112916)	437430.82	3724690.27	7.86717	(16112916)
437447.38	3724683.43	7.68271	(16112916)	437463.93	3724676.60	7.38506	(16112916)
437480.49	3724669.77	6.98794	(16112916)	437497.05	3724662.94	6.75601	(16011909)
437513.60	3724656.10	6.69700	(16011909)	437530.16	3724649.27	6.61084	(16011909)
437699.20	3724646.20	9.98879	(16102416)	437716.39	3724651.23	9.71161	(16102416)
437785.15	3724671.36	8.14973	(16122115)	437793.74	3724673.88	8.57629	(16102716)
437810.93	3724678.91	9.33888	(16102716)	437828.12	3724683.94	9.87463	(16102716)
437845.31	3724688.97	10.25131	(16102716)	437862.50	3724694.00	10.45359	(16102716)
437879.69	3724699.04	10.44178	(16102716)	437914.07	3724709.10	9.93727	(16102716)
437931.25	3724714.13	9.39794	(16102716)	437359.21	3724689.20	6.93961	(16112916)
437375.47	3724682.49	7.16664	(16112916)	437391.72	3724675.78	7.29603	(16112916)
437407.98	3724669.07	7.31941	(16112916)	437424.24	3724662.37	7.23604	(16112916)
437440.49	3724655.66	7.05163	(16112916)	437780.28	3724640.45	7.64856	(16122115)
437797.16	3724645.39	7.74679	(16102716)	437814.04	3724650.33	8.43354	(16102716)
437830.92	3724655.27	8.94643	(16102716)	437847.80	3724660.21	9.31583	(16102716)
437864.67	3724665.15	9.56700	(16102716)	437881.55	3724670.09	9.66412	(16102716)
437898.43	3724675.03	9.57682	(16102716)	437290.78	3724686.82	5.91337	(13102409)
437307.13	3724680.07	5.63679	(12120716)	437323.48	3724673.33	6.00646	(16112916)
437339.84	3724666.58	6.32097	(16112916)	437356.19	3724659.83	6.56014	(16112916)
437372.54	3724653.08	6.71640	(16112916)	437881.58	3724640.61	8.88055	(16102716)
437264.12	3724657.00	5.45441	(13102409)	437280.47	3724650.25	5.14878	(16011909)
437296.82	3724643.51	5.32869	(16011909)	437313.18	3724636.76	5.57183	(16112916)
437329.53	3724630.01	5.82230	(16112916)	437345.88	3724623.26	6.00649	(16112916)
437160.12	3724722.43	6.28584	(13102409)	437253.81	3724620.43	4.85050	(16011909)
437270.17	3724613.68	5.02687	(16011909)	437286.52	3724606.94	5.19146	(16011909)
437302.87	3724600.19	5.33952	(16011909)	437319.22	3724593.44	5.47486	(16011909)
437133.46	3724692.61	5.74268	(13102409)	437120.17	3724650.84	5.32759	(13102409)
437106.80	3724662.79	5.27047	(13102409)	437106.87	3724609.07	4.90803	(13102409)
437093.51	3724621.02	4.90808	(13102409)	437080.14	3724632.96	4.85362	(13102409)
437080.21	3724579.25	4.62040	(12010209)	437066.85	3724591.20	4.63989	(12010209)
437053.49	3724603.14	4.64981	(12010209)	437000.17	3724543.50	4.37492	(12010209)
436986.87	3724501.73	4.27925	(12010209)	436973.51	3724513.68	4.29890	(12010209)
436986.94	3724448.02	4.11111	(12010209)	436973.58	3724459.97	4.13763	(12010209)
436960.21	3724471.91	4.16368	(12010209)	436946.85	3724483.86	4.17862	(12010209)
436975.14	3724408.85	3.99120	(12010209)	436960.28	3724418.20	4.01608	(12010209)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436946.92	3724430.15	4.04836	(12010209)	436933.55	3724442.09	4.06613	(12010209)
436920.19	3724454.04	4.06944	(12010209)	437537.83	3725189.75	140.45307	(12011709)
437530.49	3725196.37	136.49015	(12112216)	437523.14	3725203.00	133.88470	(12112216)
437538.48	3725175.70	124.07843	(12011709)	437531.13	3725182.32	122.56635	(12011709)
437523.79	3725188.95	118.33961	(12112216)	437516.45	3725195.57	117.27299	(12112216)
437531.78	3725168.27	109.31525	(12011709)	437524.44	3725174.90	108.26039	(12011709)
437517.09	3725181.52	104.91549	(12011709)	437509.75	3725188.15	103.52922	(12112216)
437525.08	3725160.85	97.03447	(12011709)	437517.74	3725167.47	96.48978	(12011709)
437510.39	3725174.10	93.99064	(12011709)	437503.05	3725180.72	93.49370	(14030409)
437518.38	3725153.42	86.72160	(12011709)	437511.04	3725160.05	86.55444	(12011709)
437503.69	3725166.67	84.74707	(12011709)	437496.35	3725173.30	85.00215	(14030409)
437489.01	3725179.92	83.39048	(14030409)	437519.03	3725139.37	80.16610	(13102409)
437511.68	3725146.00	77.96965	(12011709)	437504.34	3725152.62	78.07672	(12011709)
437497.00	3725159.25	76.81435	(12011709)	437489.65	3725165.87	77.49641	(14030409)
437482.31	3725172.50	76.65416	(14030409)	437512.33	3725131.95	72.77252	(13102409)
437504.99	3725138.57	70.49272	(12011709)	437497.64	3725145.20	70.78384	(12011709)
437490.30	3725151.82	69.92231	(12011709)	437482.95	3725158.45	70.77431	(14030409)
437475.61	3725165.07	70.50784	(14030409)	437498.93	3725117.10	60.79887	(13102409)
437491.59	3725123.72	58.47424	(13102409)	437484.25	3725130.35	58.97849	(12011709)
437422.02	3725105.67	38.12283	(14030409)	437414.68	3725112.30	38.93640	(14030409)
437423.31	3725077.57	32.59904	(12011709)	437415.97	3725084.20	32.62572	(12011709)
437408.62	3725090.82	33.03218	(14030409)	437431.95	3725042.85	29.92143	(13102409)
437424.60	3725049.47	29.05331	(13102409)	437417.26	3725056.10	28.37387	(12011709)
437409.92	3725062.72	28.76397	(12011709)	437402.57	3725069.35	28.88712	(12011709)
437395.23	3725075.98	28.86093	(13121916)	437387.88	3725082.60	29.87286	(14030409)
437418.55	3725028.00	26.63052	(13102409)	437411.21	3725034.62	25.89366	(13102409)
437403.86	3725041.25	25.43666	(13112215)	437396.52	3725047.87	25.55923	(12011709)
437389.17	3725054.50	25.74009	(12011709)	437381.83	3725061.13	25.85298	(13121916)
437405.15	3725013.15	23.84902	(13102409)	437397.81	3725019.77	23.21543	(13102409)
437390.47	3725026.40	23.11004	(13112215)	437383.12	3725033.02	22.87265	(13112215)
437375.78	3725039.65	23.05532	(12011709)	437391.76	3724998.30	21.47718	(13102409)
437384.41	3725004.92	21.01245	(13112215)	437377.07	3725011.55	21.06489	(13112215)
437369.72	3725018.17	20.89973	(13112215)	437347.69	3725038.05	21.28375	(13121916)
437378.36	3724983.45	19.44128	(13102409)	437371.02	3724990.07	19.20501	(13112215)
437341.64	3725016.58	19.12183	(13121916)	437334.30	3725023.20	19.44009	(13121916)
437358.27	3724961.17	16.89574	(13102409)	437328.89	3724987.67	16.94463	(13112215)
437321.54	3724994.30	16.67162	(13121916)	437314.20	3725000.93	16.96626	(13121916)
437316.14	3724958.77	15.26463	(13112215)	437308.79	3724965.40	15.19554	(13112215)
437301.45	3724972.03	14.96858	(13112215)	437294.10	3724978.65	14.82373	(13121916)
437310.73	3724923.25	13.51216	(13112215)	437303.39	3724929.87	13.69014	(13112215)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437296.04	3724936.50	13.74288	(13112215)	437288.70	3724943.12	13.66220	(13112215)
437281.35	3724949.75	13.46182	(13112215)	437274.01	3724956.38	13.27949	(13112215)
437290.63	3724900.97	12.17913	(13112215)	437283.29	3724907.60	12.33916	(13112215)
437275.95	3724914.22	12.38373	(13112215)	437268.60	3724920.85	12.31968	(13112215)
437261.26	3724927.48	12.28413	(13112215)	437253.91	3724934.10	12.22277	(13112215)
437270.54	3724878.70	11.02561	(13112215)	437263.19	3724885.32	11.15920	(13112215)
437255.85	3724891.95	11.20142	(13112215)	437248.51	3724898.58	11.16458	(13112215)
437241.16	3724905.20	11.23135	(13112215)	437233.82	3724911.83	11.16389	(13112215)
437250.44	3724856.42	10.01543	(13112215)	437243.10	3724863.05	10.14047	(13112215)
437235.75	3724869.67	10.19003	(13112215)	437228.41	3724876.30	10.18681	(13112215)
437221.07	3724882.93	10.22994	(13112215)	437213.72	3724889.55	10.14563	(13112215)
437230.35	3724834.15	9.13557	(13112215)	437223.00	3724840.77	9.25411	(13112215)
437215.66	3724847.40	9.31351	(13112215)	437208.32	3724854.03	9.31376	(13112215)
437200.97	3724860.65	9.35046	(13112215)	437193.63	3724867.28	9.18317	(13112215)
437210.25	3724811.87	8.36062	(13112215)	437202.91	3724818.50	8.47184	(13112215)
437195.56	3724825.12	8.54177	(13112215)	437188.22	3724831.75	8.57440	(13112215)
437180.88	3724838.38	8.56025	(13112215)	437173.53	3724845.00	8.49812	(13112215)
437197.50	3724782.97	7.53176	(13112215)	437190.16	3724789.60	7.68105	(13112215)
437182.81	3724796.22	7.79578	(13112215)	437175.47	3724802.85	7.87363	(13112215)
437168.12	3724809.48	7.91320	(13112215)	437160.78	3724816.10	7.91236	(13112215)
437153.44	3724822.73	7.86568	(13112215)	437177.41	3724760.70	6.94335	(13112215)
437170.06	3724767.32	7.08162	(13112215)	437162.72	3724773.95	7.19691	(13112215)
437155.37	3724780.57	7.27628	(13112215)	437148.03	3724787.20	7.31865	(13112215)
437140.68	3724793.83	7.31836	(13112215)	437133.34	3724800.45	7.28192	(13112215)
437150.61	3724731.00	6.26380	(13112215)	437143.27	3724737.62	6.39229	(13112215)
437135.92	3724744.25	6.49279	(13112215)	437128.58	3724750.88	6.56560	(13112215)
437121.23	3724757.50	6.60802	(13112215)	437113.89	3724764.13	6.61633	(13112215)
437106.55	3724770.75	6.59949	(13112215)	437123.82	3724701.30	5.66558	(13112215)
437116.47	3724707.92	5.77826	(13112215)	437109.13	3724714.55	5.86737	(13112215)
437101.78	3724721.18	5.94425	(13112215)	437094.44	3724727.80	5.99456	(13112215)
437087.10	3724734.43	6.01892	(13112215)	437079.75	3724741.05	6.01834	(13112215)
437097.02	3724671.60	5.18688	(13102409)	437089.68	3724678.22	5.25733	(13112215)
437082.34	3724684.85	5.34733	(13112215)	437074.99	3724691.48	5.42162	(13112215)
437067.65	3724698.10	5.47227	(13112215)	437060.30	3724704.73	5.49998	(13112215)
437052.96	3724711.35	5.50611	(13112215)	437070.23	3724641.90	4.80781	(12010209)
437062.89	3724648.52	4.80827	(13112215)	437055.54	3724655.15	4.89299	(13112215)
437048.20	3724661.78	4.96389	(13112215)	437040.85	3724668.40	5.01098	(13112215)
437033.51	3724675.03	5.03747	(13112215)	437026.16	3724681.65	5.04609	(13112215)
437043.44	3724612.20	4.65564	(12010209)	437036.09	3724618.82	4.65647	(12010209)
437028.75	3724625.45	4.65327	(12010209)	437021.40	3724632.08	4.64986	(12010209)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437014.06	3724638.70	4.64132	(12010209)	437016.64	3724582.50	4.50217	(12010209)
437009.30	3724589.12	4.50337	(12010209)	437001.95	3724595.75	4.49913	(12010209)
436994.61	3724602.38	4.49302	(12010209)	436987.26	3724609.00	4.48377	(12010209)
436979.92	3724615.63	4.47031	(12010209)	436972.58	3724622.25	4.45398	(12010209)
436989.85	3724552.80	4.37626	(12010209)	436982.50	3724559.42	4.37500	(12010209)
436975.16	3724566.05	4.36793	(12010209)	436967.81	3724572.68	4.35758	(12010209)
436960.47	3724579.30	4.34660	(12010209)	436953.13	3724585.93	4.33546	(12010209)
436945.78	3724592.55	4.31946	(12010209)	436963.05	3724523.10	4.30342	(12010209)
436955.71	3724529.72	4.29870	(12010209)	436948.37	3724536.35	4.29125	(12010209)
436941.02	3724542.98	4.28268	(12010209)	436933.68	3724549.60	4.27397	(12010209)
436936.26	3724493.40	4.19289	(12010209)	436928.92	3724500.02	4.20293	(12010209)
436921.57	3724506.65	4.21013	(12010209)	436909.47	3724463.70	4.07905	(12010209)
436902.12	3724470.32	4.08413	(12010209)				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	1ST HIGHEST VALUE IS	9.15078 AT (437662.98, 3725405.13, 206.42, 221.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	9.14335 AT (437655.60, 3725398.85, 206.09, 220.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	9.03145 AT (437670.37, 3725411.41, 206.65, 221.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	9.01216 AT (437648.21, 3725392.57, 205.75, 220.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	8.80851 AT (437640.82, 3725386.29, 205.70, 220.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	8.61050 AT (437682.24, 3725420.92, 207.09, 221.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	8.54338 AT (437633.43, 3725380.01, 205.96, 220.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	8.19196 AT (437626.04, 3725373.73, 206.13, 219.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	6.93749 AT (437656.51, 3725412.75, 205.60, 221.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	6.89900 AT (437649.12, 3725406.47, 205.32, 220.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	HIGH 1ST HIGH VALUE IS 345.59666	ON 12041314:	AT (437662.98, 3725405.13, 206.42, 221.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 868 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 15 Calm Hours Identified

A Total of 853 Missing Hours Identified (1.95 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********

ME W186	91	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	91	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	35065	CHKDAT: Record Out of Sequence in Meteorological File at:	16010101
MX W450	35065	CHKDAT: Record Out of Sequence in Meteorological File at:	1 year gap

****
*** AERMOD Finishes Successfully ***
****

HARP Project Summary Report 8/8/2024 6:03:44 AM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_CONST
Project Output Directory: D:\LSA\2024\CLF2101.4A\HARP_CONST
HARP Database: NA

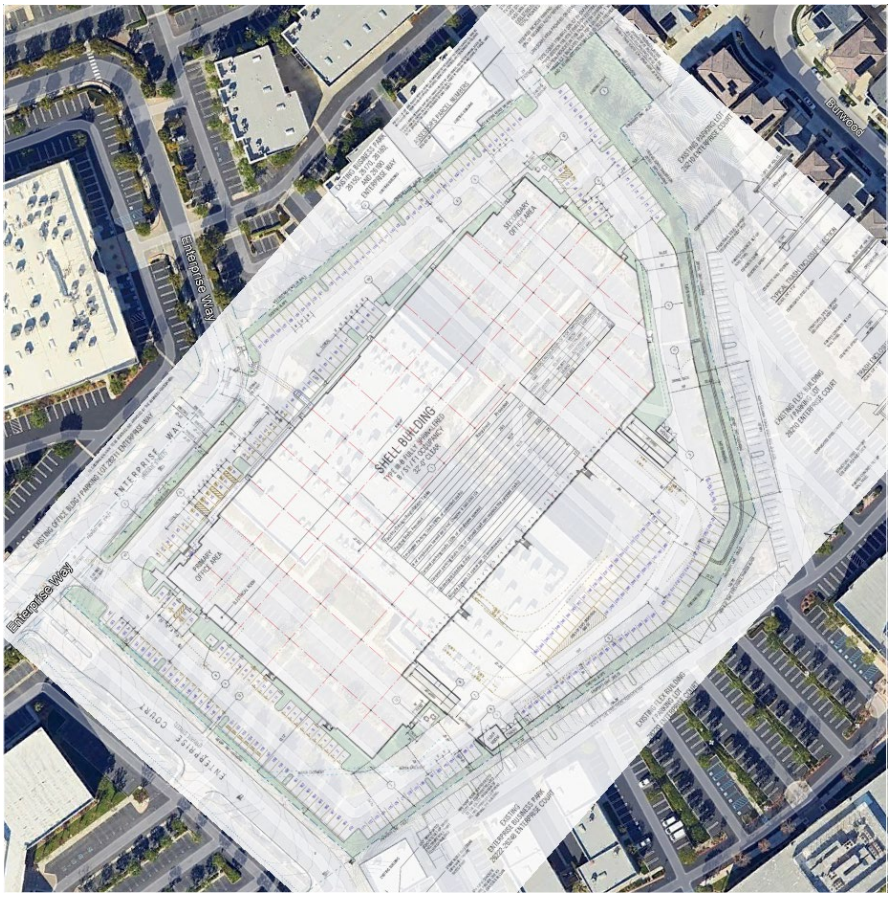
POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH22013
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1		5			

APPENDIX B

OPERATIONAL HRA MODEL OUTPUTS

Project Location



Receptor Grid



Operational Cancer Risk – Sensitive Receptor



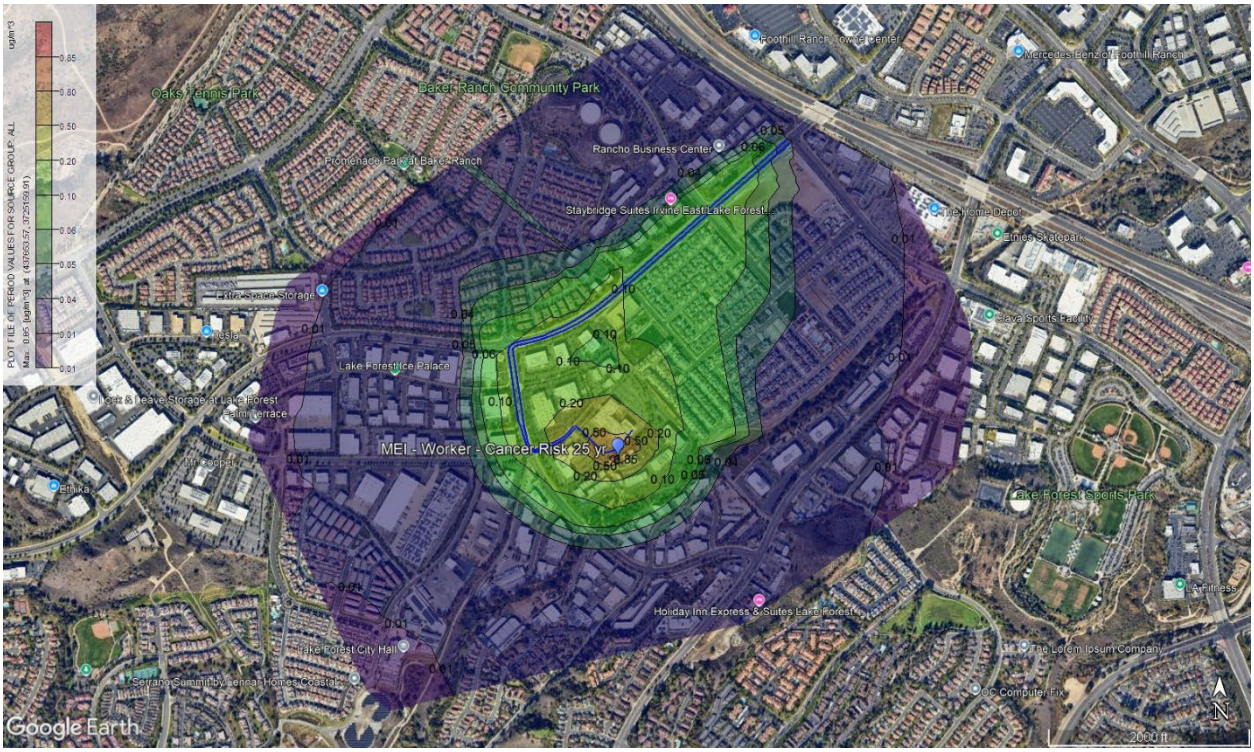
Operational Chronic Health Index – Sensitive Receptor



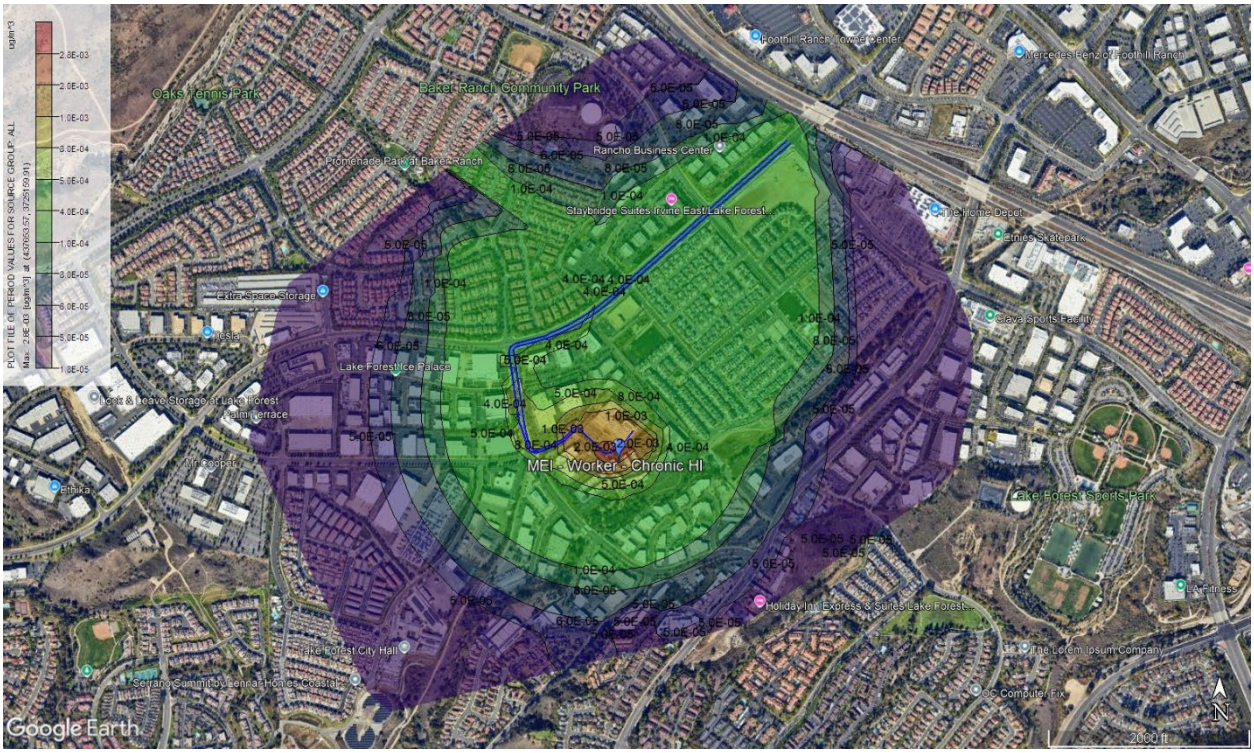
Operational Acute Health Index – Sensitive Receptor



Operational Cancer Risk – Worker Receptor



Operational Chronic Health Index – Worker Receptor



Operational Acute Health Index – Worker Receptor



Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 1870 X: 437750.64 Y: 3725402.77			
T2	T2L3	T3	T4f
40.66	7.54	39.93	3.99

MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 1870 X: 437750.64 Y: 3725402.77			
T2	T2L3	T3	T4f
4.48E-02	8.85E-03	4.76E-02	4.90E-03

MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T3	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (Sensitive) - PM 2.5 HARP Rec #: 1870 X: 437750.64 Y: 3725402.77			
T2	T2L3	T3	T4f
0.224	0.044	0.238	0.025

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 1029 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4f
0.70	0.13	0.68	0.07

MEI (Worker) - Chronic Hazard Index HARP Rec #: 1029 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4f
4.45E-02	8.79E-03	4.73E-02	4.87E-03

MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T3	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (Worker) - PM 2.5 HARP Rec #: 1029 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4f
0.223	0.044	0.236	0.024

Construction MEI (School) - Cancer Risk (in a Million) HARP Rec #: 1 X: 0 Y: 0			
T2	T2L3	T3	T4f
0.00	0.00	0.00	0.00

MEI (School) - Chronic Hazard Index HARP Rec #: 1 X: 0 Y: 0			
T2	T2L3	T3	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (School) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T3	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (School) - PM 2.5 HARP Rec #: 1 X: 0 Y: 0			
T2	T2L3	T3	T4f
0.0000	0.0000	0.0000	0.0000

Operational Sensitive Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
30 Yr Cancer Risk (in a Million)	1371	437598.9	3.06
		3725592.54	
70 Yr Cancer Risk (in a Million)	0	0	0.00
		0	
Chronic HI	1371	437598.9	1.05E-03
		3725592.54	
Acute HI	1371	437598.9	3.91E-05
		3725592.54	
PM 2.5	1371	437598.9	0.0052
		3725592.54	

Operational Worker Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
25 Yr Cancer Risk (in a Million)	290	437653.57	0.85
		3725159.91	
Chronic HI	290	437653.57	2.80E-03
		3725159.91	
Acute HI	290	437653.57	2.07E-04
		3725159.91	
PM 2.5	2690	437653.57	1.36E-02
		3725159.91	

Operational School Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
9 Yr Cancer Risk (in a Million)	0	0	0.00
		0	
Chronic HI	0	0	0.00E+00
		0	
Acute HI	0	0	0.00E+00
		0	
PM 2.5	0	0	0.0000
		0	

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	437750.64	3725402.77	33.66669299	-117.6714578
Construction	Sensitive	Chronic HI	437750.64	3725402.77	33.66669299	-117.6714578
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	437750.64	3725402.77	33.66669299	-117.6714578
Construction	School	Cancer Risk	0.00	0.00		
Construction	School	Chronic HI	0.00	0.00		
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	0.00	0.00		
Construction	Worker	Cancer Risk	437662.98	3725405.13	33.66670914	-117.6724035
Construction	Worker	Chronic HI	437662.98	3725405.13	33.66670914	-117.6724035
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	437662.98	3725405.13	33.66670914	-117.6724035
Operational	Sensitive	Cancer Risk 30 yr	437598.9	3725592.54	33.66839558	-117.6731078
Operational	Sensitive	Cancer Risk 70 yr	0	0		
Operational	Sensitive	Chronic HI	437598.9	3725592.54	33.66839558	-117.6731078
Operational	Sensitive	Acute HI	437598.9	3725592.54	33.66839558	-117.6731078
Operational	Sensitive	PM 2.5	437598.9	3725592.54	33.66839558	-117.6731078
Operational	Worker	Cancer Risk 25 yr	437653.57	3725159.91	33.664497	-117.6724878
Operational	Worker	Chronic HI	437653.57	3725159.91	33.664497	-117.6724878
Operational	Worker	Acute HI	437653.57	3725159.91	33.664497	-117.6724878
Operational	Worker	PM 2.5	437653.57	3725159.91	33.664497	-117.6724878
Operational	School	Cancer Risk 9 yr	0	0		
Operational	School	Chronic HI	0	0		
Operational	School	Acute HI	0	0		
Operational	School	PM 2.5	0	0		

General AERMOD Input Parameters

Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM not available**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**200**
	Grid 2	**20**	**200**
	Grid 3	**30**	**300**
	Grid 4	**40**	**400**
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**Mission Viejo**	
	Provided By	**South Coast AQMD**	
	Years	**2011 - 2014, 2016**	
	Elevation (m)	**170**	
	Link	https://www.aqmd.gov/docs/default-source/air-quality/meterorological-data/aermod-ready-meteorological-data/table-1-meteorological-sites/2017/MissionViejoADJU.zip?sfvrsn=8	
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**San Bernardino**	
	Urban Grouping / Pop	**Y**	**3,010,232**
	# of Worker Receptors	**3,305**	
	# of Sensitive Receptors	**3,432**	
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**22068.7**	
	Ht. of Source (m)	**3.048**	
Operational Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period / Hourly**	
	Dispersion Coefficient	**Urban**	
	Urban Grouping / Pop	**Y**	**3,010,232**
	# Worker Receptors	**3,305**	
	# Sensitive Receptors	**3,432**	
	# of School Receptors	**0**	

Diesel Truck Idling Parameters		
	Source Type	**Point**
	Stack Ht. (m)	**3.658**
	Stack Dia (m)	**0.044**
	Stack Temp (k)	**388.7**
	Velocity (m/s)	**25**
Diesel Truck Travel Parameters		
	Source Type	**Line Volume**
	Initial Vertical (m)	**1.42**
	Initial Lateral (m)	**2.84**
	Release Ht (m)	**Surface**
	Volume Length (m)	**Roadway Segment Specific**

General HARP Input Parameters		
Construction		
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 1 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Orange
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, kWh/mile for Energy Consumption, gallon/mile for Fuel Consumption. PHEV calculated based on total VMT.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VI	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNE	PM10_PMI	PM2.5_PM	Fuel Consu	Energy Con
Orange	2027	HHDT	Aggregate	5	Diesel	48.71	48.71293792	0	10.71430075	0.01401128	0.014644808	3092.253475	0.005940243	0.487185794	0.127891805	0.145595084	1.065491048	0.029281791	0.214852	0.140645	0.049226	0.304491	0
Orange	2027	HHDT	Aggregate	10	Diesel	2749	2748.981389	0	7.730066843	0.011532164	0.012053597	2639.441542	0.003493314	0.41584509	0.075210093	0.085620966	0.680209796	0.024993933	0.215955	0.140141	0.049049	0.259903	0
Orange	2027	HHDT	Aggregate	15	Diesel	4425	4425.322557	0	5.152633808	0.009245486	0.009663526	2196.304327	0.001772579	0.346028641	0.038163147	0.043445838	0.369074554	0.020797689	0.214308	0.139	0.04865	0.216268	0
Orange	2027	LDA	Aggregate	5	Diesel	10.27	10.26885056	0	0.188468967	0.034353262	0.035906564	573.4686895	0.01151813	0.090350226	0.247978561	0.282307105	4.583608344	0.005433907	0.0031	0.006087	0.00213	0.056469	0
Orange	2027	LDA	Aggregate	10	Diesel	427.9	427.8632035	0	0.168899414	0.026026128	0.027202914	477.7535488	0.008530822	0.075270266	0.183663578	0.209088773	3.422883548	0.004526958	0.0031	0.007528	0.002635	0.047044	0
Orange	2027	LDA	Aggregate	15	Diesel	725.6	725.5925076	0	0.135635996	0.020129005	0.02103915	392.9509344	0.004457356	0.06190958	0.095964254	0.109248923	1.711618802	0.00372341	0.0031	0.00896	0.003136	0.038693	0
Orange	2027	LDT1	Aggregate	5	Diesel	0.026	0.025726527	0	0.885180759	0.815218591	0.852079158	1002.78564	0.048396059	0.157989286	1.041938664	1.186177896	5.163974494	0.009501904	0.0031	0.00956	0.003346	0.098743	0
Orange	2027	LDT1	Aggregate	10	Diesel	1.072	1.071924679	0	0.927591257	0.567688258	0.593356601	844.1113848	0.03375126	0.132990092	0.726644751	0.827236739	3.675901984	0.007998384	0.0031	0.011894	0.004163	0.083119	0
Orange	2027	LDT1	Aggregate	15	Diesel	1.818	1.817825206	0	0.970935123	0.413648733	0.432352094	699.9074547	0.024378556	0.110270705	0.524855963	0.597513619	2.707929803	0.006631979	0.0031	0.01424	0.004984	0.068919	0
Orange	2027	LDT2	Aggregate	5	Diesel	12.62	12.62287947	0	0.154546977	0.010058551	0.010513354	735.1718118	0.012335439	0.115826618	0.265574733	0.302339177	2.722959723	0.006966127	0.0031	0.008177	0.002862	0.072392	0
Orange	2027	LDT2	Aggregate	10	Diesel	525.9	525.9464643	0	0.129094452	0.009165485	0.009579907	618.8430222	0.009230252	0.09749897	0.198721886	0.226231655	2.037975166	0.005863852	0.0031	0.010174	0.003561	0.060937	0
Orange	2027	LDT2	Aggregate	15	Diesel	891.9	891.9271645	0	0.087844045	0.007875148	0.008231227	513.122856	0.004519629	0.080842715	0.097304952	0.110775219	0.997099754	0.0048621	0.0031	0.01218	0.004263	0.050527	0
Orange	2027	LHDT1	Aggregate	5	Diesel	46.51	46.51350261	0	1.308841244	0.056910278	0.059483509	1146.086044	0.012523169	0.180566323	0.269616463	0.306940418	0.846431167	0.010859748	0.194374	0.078	0.0273	0.112854	0
Orange	2027	LHDT1	Aggregate	10	Diesel	2544	2544.49344	0	1.181508633	0.04745119	0.049596723	996.8091157	0.010617805	0.157047682	0.228595086	0.260240307	0.687326947	0.009445273	0.194374	0.078	0.0273	0.098155	0
Orange	2027	LHDT1	Aggregate	15	Diesel	3397	3396.502409	0	1.071995925	0.039661472	0.041454788	855.1779017	0.009062563	0.134733627	0.195111639	0.22212163	0.557970964	0.008103245	0.194374	0.078	0.0273	0.084209	0
Orange	2027	LHDT2	Aggregate	5	Diesel	20.27	20.26833013	0	1.244185463	0.054563052	0.057030151	1344.493883	0.011939891	0.211825559	0.25705882	0.292644377	0.80040035	0.012739763	0.199835	0.091	0.03185	0.132391	0
Orange	2027	LHDT2	Aggregate	10	Diesel	1109	1108.766921	0	1.104586318	0.045754478	0.047823293	1172.294505	0.010280593	0.184695477	0.221335113	0.25197531	0.655969584	0.011108086	0.199835	0.091	0.03185	0.115435	0
Orange	2027	LHDT2	Aggregate	15	Diesel	1480	1480.031137	0	0.983717885	0.038445763	0.04018411	1010.46281	0.008888664	0.159198827	0.191367705	0.217859409	0.535417101	0.009574649	0.199835	0.091	0.03185	0.099499	0
Orange	2027	MHDT	Aggregate	5	Diesel	740.5	740.5357601	0	2.807639419	0.018822431	0.019673498	2371.002164	0.005889355	0.373552357	0.126796195	0.144347816	0.392607893	0.022451973	0.217511	0.061496	0.021524	0.23347	0
Orange	2027	MHDT	Aggregate	10	Diesel	4700	4700.010579	0	2.086433401	0.01526533	0.015955561	1960.729073	0.003735322	0.308913664	0.080420469	0.091552582	0.268539477	0.018566932	0.217648	0.061496	0.021524	0.193071	0
Orange	2027	MHDT	Aggregate	15	Diesel	8715	8714.574752	0	1.439003869	0.010005918	0.010458341	1540.517198	0.001815352	0.242709112	0.039084039	0.044494203	0.16470204	0.014587777	0.217562	0.061496	0.021524	0.151693	0

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Orange
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RUNEX	NOx_IDLEX	NOx_STREX	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CH4_RUNEX	CH4_IDLEX	CH4_STREX	N2O_RUNEX	N2O_IDLEX	N2O_STREX	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_DIURN	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_HOTSOAK	TOG_RUNLOSS	TOG_DIURN	NH3_RUNEX	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNEX	SOx_IDLEX	SOx_STREX
Orange	2027	HHDT	Aggregate	Aggregate	Gasoline	5.37393	547.764	547.764	0	107.522	3.85614162	0	0.21338484	0.003251804	0	0.000738007	0.005000001	0.029357047	0.001143933	0	0.00080265	0.020000006	0.083877278	1901.87979	0	53.47500072	0.08928084	0	0.00020529	0.1421109	0	0.00701117	0.431019149	0	0.00105739	0.047599351	0.39983365	3.69023907	0.632112201	0	0.00115771	0.047599351	0.39983365	3.69023907	0.045	26.0351379	0	5.94521306	0.018802202	0	0.00052865
Orange	2027	HHDT	Aggregate	Aggregate	Diesel	11909	1309094	1309094	0	168866	1.65596536	53.1136599	2.90003917	0.02403733	0.027213077	0	0.008693381	0.026921731	0.025124192	0.028357	0	0.034765524	0.07693066	1539.52992	102881.6701	0	0.22153492	0	0.24255357	1.62098417	0	0.05177167	0.44728884	0	0	0	0	0.010477921	5.18471117	0	0	0	0	0	0	0.21581557	0.0661603	66.4839598	0	0.01457843	0.09742755	0
Orange	2027	LDA	Aggregate	Aggregate	Gasoline	1043776	4.1E+07	4.1E+07	0	4872252	0.02938433	0	0.20922715	0.001107493	0	0.00174188	0.002000001	0.002871237	0.0013045	0	0.00189445	0.008000002	0.008203534	261.756713	0	64.37221464	0.00182064	0	0.05577167	0.00384791	0	0.0293245	0.00642064	0	0.24342732	0.078546322	0.205811913	1.323171223	0.037690112	0.62985981	0	2.46032274	0.00258773	0	0.00053638
Orange	2027	LDA	Aggregate	Aggregate	Diesel	2451.86	72324.2	72324.2	0	10337.7	0.10620503	0	0	0.010289186	0	0	0.002000001	0.002944837	0.003754418	0	0	0.008000002	0.008413821	230.611876	0	0	0.00095812	0	0.03631299	0	0	0.00262768	0	0	0.02368325	0	0	0.022483225	0	0	0	0	0	0	0.0031	0.31342828	0	0.00218516	0	0	0
Orange	2027	LDT1	Aggregate	Aggregate	Gasoline	93827.3	3351769	3351769	0	416522	0.096724486	0	0.32562938	0.00156763	0	0.002355496	0.002000001	0.003448641	0.001704941	0	0.00256182	0.008000002	0.00985326	314.529954	0	80.43889926	0.0051256	0	0.08581304	0.0076979	0	0.03535172	0.02202095	0	0.42547811	0.153285315	0.427363412	2.571553814	0.037788318	1.28403331	0	4.09400259	0.00310945	0	0.00079522
Orange	2027	LDT1	Aggregate	Aggregate	Diesel	11.7729	181.194	181.194	0	32.8525	1.2608101	0	0	0.203217628	0	0	0.002000001	0.00391062	0.212408227	0	0	0.008000002	0.0111732	408.897679	0	0	0.00182859	0	0.066422	0	0	0.25466253	0	0	0	0	0	0.288991636	0	0	0	0	0	0	0.0031	1.81761796	0	0.00387451	0	0	0
Orange	2027	LDT2	Aggregate	Aggregate	Gasoline	543469	2.2E+07	2.2E+07	0	2549564	0.04633692	0	0.25949379	0.003150942	0	0.001762942	0.002000001	0.003331862	0.001251754	0	0.00191736	0.008000002	0.009519606	319.878884	0	79.731134	0.0023549	0	0.06556126	0.0047464	0	0.03289577	0.00864816	0	0.28868665	0.072325964	0.19655986	1.277653313	0.0385561	0.72452701	0	2.82373298	0.00316233	0	0.00078822
Orange	2027	LDT2	Aggregate	Aggregate	Diesel	2178.4	88903.8	88903.8	0	10309.9	0.0337346	0	0	0.004280003	0	0	0.002000001	0.003344917	0.004473526	0	0	0.008000002	0.009556905	299.774982	0	0	0.0006753	0	0	0	0	0.04722967	0	0	0	0	0	0.014553877	0	0	0	0	0	0	0.0031	0.34916563	0	0.00284052	0	0	0
Orange	2027	LHDT1	Aggregate	Aggregate	Gasoline	40902.9	1647637	1647637	0	609392	0.09139967	0.03324647	0.55673404	0.009090099	0	0.000290946	0.002000001	0.027300008	0.001078823	0	0.00022834	0.008000002	0.078000022	565.478355	115.883306	25.70611343	0.00262185	0.10904159	0.02832907	0.00558795	0.00299652	0.04846045	0.01237428	0.38128322	0.13304241	0.037292042	0.209272299	2.314501034	0.04488302	0.75999394	3.76703372	3.11374715	0.00559033	0.00114562	0.00025413
Orange	2027	LHDT1	Aggregate	Aggregate	Diesel	23584.1	995052	995052	0	296659	0.83165834	1.62196189	0	0.016504386	0.02630447	0	0.003000001	0.027300008	0.017250641	0.02749384	0	0.012000003	0.078000022	479.961076	126.146242	0	0.00336451	0.00509813	0	0.07561806	0.01987439	0	0.07243589	0.1097597	0	0	0	0.282463144	0.124954513	0	0	0	0	0	0	0.10437425	0.18133624	0.909074508	0	0.00454788	0.00511953	0
Orange	2027	LHDT2	Aggregate	Aggregate	Gasoline	6543.09	244223	244223	0	97482.3	0.09360393	0.03366133	0.575844	0.006883792	0	0.00016848	0.002000001	0.031850009	0.000961205	0	0.00031824	0.008000002	0.091000026	651.948784	135.466275	24.8815508	0.00175859	0.10909135	0.02865406	0.00638754	0.00290101	0.04772095	0.00745191	0.38632796	0.13493544	0.038578774	0.210399727	2.444992187	0.04498915	0.5815696	3.773132527	2.99130735	0.00644518	0.00133922	0.00024598
Orange	2027	LHDT2	Aggregate	Aggregate	Diesel	10371.2	433595	433595	0	130457	0.69781566	1.5744474	0	0.016155581	0.02670232	0	0.003000001	0.031850009	0.016880044	0.02790968	0	0.012000003	0.091000026	564.599311	201.77977	0	0.00327298	0.00509813	0	0.08895285	0.03179048	0	0.07046534	0.1097597	0	0	0	0.280220101	0.124954513	0	0	0	0	0	0	0.19983452	0.15870412	0.909074508	0	0.00534987	0.00191197	0
Orange	2027	MHDT	Aggregate	Aggregate	Gasoline	6899.47	343883	343883	0	138045	0.18379514	0.08645121	0.35041067	0.008850173	0	0.000400466	0.003000001	0.015008867	0.000924641	0	0.00041554	0.012000003	0.042876762	1609.81424	533.718431	42.9794675	0.00474544	0.2707794	0.03920408	0.01186732	0.00801501	0.03092948	0.02131615	1.01268281	0.19790791	0.023215136	0.159688277	1.849139367	0.045	0.52058455	14.46781937	4.03373877	0.01591465	0.00527835	0.00094246
Orange	2027	MHDT	Aggregate	Aggregate	Diesel	28843	1162783	1162783	0	364090	0.58631736	10.1905063	1.6284895	0.007056236	0.01020405	0	0.003000001	0.015039129	0.007375287	0.010665544	0	0.012000003	0.04296037	1071.46769	2116.52853	0	0.00048721	0.00901468	0	0.16881017	0.33345993	0	0.01048945	0.19408357	0	0	0	0	0.011941144	0.22094937	0	0	0	0	0	0	0.21717854	0.05352854	7.35720874	0	0.01014616	0.02004226	0

	Daily Trips
	465

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	75.3%	7.7%	4.5%	12.5%	100%
# Daily Vehicles	350.00	36.00	21.00	58.00	465
# Annual Vehicles	127,750	13,140	7,665	21,170	169,725

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	13,140	31.3%	9.20E+00
3-Axle Trks	7,665	18.3%	2.60E-01
4-Axle Trks	21,170	50.4%	5.66E-01
Total	41,975	100%	---

DPM Lbs/ Yr	ONSITE1						Total
Distance (m)	230.3	0	0	0	0	0	230.3
%	100%	0%	0%	0%	0%	0%	100%
2-Axle Trks	1.32E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E+00
3-Axle Trks	3.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-02
4-Axle Trks	8.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-02
Total	1.44E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E+00

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	13,140	31.3%	4.94E-01
3-Axle Trks	7,665	18.3%	1.25E-01
4-Axle Trks	21,170	50.4%	1.17E+00
Total	41,975	100%	---

DPM Lbs/ Yr	OUT	IN					Total
Gas Only	N	N	N	N	N	N	
Distance (m)	1505.5	1534.7	0	0	0	0	3040.2
%	50%	50%	0%	0%	0%	0%	100%
2-Axle Trks	2.31E-01	2.36E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-01
3-Axle Trks	5.83E-02	5.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-01
4-Axle Trks	5.49E-01	5.59E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E+00
Total	8.38E-01	8.54E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+00

Truck Idle

# of Idling Pts	14

Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs /Idle-Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	14	0	0	0	0	0	14
2-Axle Trks	13,140	6.11E-05	0.25	2.01E-01	1.43E-02	2.01E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-01
3-Axle Trks	7,665	2.35E-05	0.25	4.51E-02	3.22E-03	4.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-02
4-Axle Trks	21,170	6.25E-05	0.25	3.31E-01	2.36E-02	3.31E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-01
Total	41,975	--	--	5.77E-01	4.12E-02	4.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-01

TRUs

Percent of Trucks	0		# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.50	4.19E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	127,750	62%	38.04%
# Vehicles		79,156	48,594

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	2.07E-05	4.54E-04
LDT	3.98E-05	6.10E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	4.58E-03	5.41E-03
107028	Acrolein	1.30E-03	2.13E-03	2.51E-03
71432	Benzene	2.47E-02	4.04E-02	4.77E-02
106990	1,3-Butadiene	5.50E-03	8.99E-03	1.06E-02
100414	Ethylbenzene	1.05E-02	1.72E-02	2.03E-02
50000	Formaldehyde	1.58E-02	2.58E-02	3.05E-02
110543	Hexane	1.60E-02	2.62E-02	3.09E-02
67561	Methanol	1.20E-03	1.96E-03	2.32E-03
78933	Methyl Ethyl Ketone	2.00E-04	3.27E-04	3.87E-04
91203	Naphthalene	5.00E-04	8.17E-04	9.66E-04
115071	Propylene	3.06E-02	5.00E-02	5.91E-02
100425	Styrene	1.20E-03	1.96E-03	2.32E-03
108883	Toluene	5.76E-02	9.42E-02	1.11E-01
1330207	Xylenes	4.80E-02	7.85E-02	9.28E-02
9901	Diesel	7.52E-03	1.31E+00	8.06E-01

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	5.89E-03	6.96E-03
100414	Ethylbenzene	1.180E-03	1.93E-03	2.28E-03
110543	Hexane	1.540E-02	2.52E-02	2.98E-02
108883	Toluene	1.700E-02	2.78E-02	3.29E-02
1330207	Xylenes	5.780E-03	9.45E-03	1.12E-02

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	ONSITE1		0		0		0		0		0		OUT		IN		0		0		0		0			
				Cars	100%		0%		0%		0%		0%		0%		50%		50%		0%		0%		0%		0%			
					100.00%		0.00%		0.00%		0.00%		0.00%		0.00%		50.00%		50.00%		0.00%		0.00%		0.00%		0.00%		200.00%	3270.5
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	3.33E-06	9.99E-03		3.33E-06	9.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-07	2.50E-03	8.32E-07	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-06	1.50E-02
107028	Acrolein	1.55E-06	4.64E-03		1.55E-06	4.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	1.16E-03	3.86E-07	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-06	6.96E-03
71432	Benzene	3.37E-05	1.01E-01		3.37E-05	1.01E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06	2.52E-02	8.41E-06	2.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	1.51E-01
106990	1,3-Butadiene	6.54E-06	1.96E-02		6.54E-06	1.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	4.91E-03	1.64E-06	4.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-06	2.94E-02
100414	Ethylbenzene	1.39E-05	4.17E-02		1.39E-05	4.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-06	1.04E-02	3.47E-06	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	6.25E-02
50000	Formaldehyde	1.88E-05	5.64E-02		1.88E-05	5.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-06	1.41E-02	4.70E-06	1.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	8.46E-02
110543	Hexane	3.73E-05	1.12E-01		3.73E-05	1.12E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06	2.80E-02	9.34E-06	2.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	1.68E-01
67561	Methanol	1.43E-06	4.28E-03		1.43E-06	4.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	1.07E-03	3.57E-07	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-06	6.42E-03
78933	Methyl Ethyl Ketone	2.38E-07	7.14E-04		2.38E-07	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-08	1.78E-04	5.95E-08	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	1.07E-03
91203	Naphthalene	5.95E-07	1.78E-03		5.95E-07	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	4.46E-04	1.49E-07	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-07	2.68E-03
115071	Propylene	3.64E-05	1.09E-01		3.64E-05	1.09E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-06	2.73E-02	9.10E-06	2.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05	1.64E-01
100425	Styrene	1.43E-06	4.28E-03		1.43E-06	4.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	1.07E-03	3.57E-07	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-06	6.42E-03
108883	Toluene	8.87E-05	2.66E-01		8.87E-05	2.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	6.65E-02	2.22E-05	6.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.99E-01
1330207	Xylenes	6.40E-05	1.92E-01		6.40E-05	1.92E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	4.80E-02	1.60E-05	4.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	2.88E-01
9901	Diesel	7.06E-04	2.12E+00		7.06E-04	3.55E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	1.37E+00	1.77E-04	1.38E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	6.31E+00

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** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/26/2024
** File: D:\LSA\2024\CLF2101.4A\Operational\Operational.ADI
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** AERMOD Control Pathway
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   AVERTIME 1 PERIOD
   URBANOPT 3010232 Orange
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL Operational.err
CO FINISHED
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**************************************
** AERMOD Source Pathway
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**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
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** LINE VOLUME Source ID = ONSITE1
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 3.05
** SZINIT = 1.42
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   LOCATION L0000004     VOLUME   437704.177 3725240.062 213.66
   LOCATION L0000005     VOLUME   437702.321 3725237.645 213.26
   LOCATION L0000006     VOLUME   437700.465 3725235.227 213.01
   LOCATION L0000007     VOLUME   437698.609 3725232.809 213.03
   LOCATION L0000008     VOLUME   437696.753 3725230.391 213.03
   LOCATION L0000009     VOLUME   437694.897 3725227.974 213.01
   LOCATION L0000010     VOLUME   437693.041 3725225.556 212.96
   LOCATION L0000011     VOLUME   437691.185 3725223.138 212.90
   LOCATION L0000012     VOLUME   437689.329 3725220.721 212.82
   LOCATION L0000013     VOLUME   437687.473 3725218.303 212.72
   LOCATION L0000014     VOLUME   437685.505 3725215.981 212.59
   LOCATION L0000015     VOLUME   437683.398 3725213.778 212.44
   LOCATION L0000016     VOLUME   437681.291 3725211.575 212.27
   LOCATION L0000017     VOLUME   437679.185 3725209.373 212.08
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   LOCATION L0000022     VOLUME   437667.993 3725199.116 211.69
   LOCATION L0000023     VOLUME   437665.518 3725197.337 211.65
   LOCATION L0000024     VOLUME   437663.043 3725195.558 211.60
   LOCATION L0000025     VOLUME   437660.568 3725193.780 211.55
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   LOCATION L0000027     VOLUME   437655.618 3725190.222 211.46
   LOCATION L0000028     VOLUME   437653.143 3725188.443 211.41
   LOCATION L0000029     VOLUME   437650.449 3725187.084 211.33
   LOCATION L0000030     VOLUME   437647.571 3725186.083 211.09
   LOCATION L0000031     VOLUME   437644.692 3725185.082 210.78
   LOCATION L0000032     VOLUME   437641.813 3725184.080 210.45
   LOCATION L0000033     VOLUME   437638.934 3725183.079 210.09
   LOCATION L0000034     VOLUME   437635.990 3725182.362 209.69
   LOCATION L0000035     VOLUME   437632.963 3725181.999 209.27
   LOCATION L0000036     VOLUME   437629.937 3725181.636 208.84
   LOCATION L0000037     VOLUME   437627.058 3725182.457 208.46
   LOCATION L0000038     VOLUME   437624.213 3725183.551 208.11
   LOCATION L0000039     VOLUME   437621.368 3725184.645 207.80
   LOCATION L0000040     VOLUME   437619.098 3725186.647 207.69
   LOCATION L0000041     VOLUME   437616.894 3725188.751 207.75
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   LOCATION L0000043     VOLUME   437612.500 3725192.977 207.89
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   LOCATION L0000045     VOLUME   437608.135 3725197.232 208.03
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   LOCATION L0000058     VOLUME   437579.762 3725224.892 208.27
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   LOCATION L0000060     VOLUME   437575.397 3725229.147 208.12
   LOCATION L0000061     VOLUME   437573.214 3725231.275 208.04
   LOCATION L0000062     VOLUME   437571.032 3725233.402 207.96
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   LOCATION L0000068     VOLUME   437557.937 3725246.168 206.80
   LOCATION L0000069     VOLUME   437555.754 3725248.296 206.54
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   LOCATION L0000072     VOLUME   437549.206 3725254.678 205.83
   LOCATION L0000073     VOLUME   437547.024 3725256.806 205.61
   LOCATION L0001072     VOLUME   437544.841 3725258.934 205.41
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** End of LINE VOLUME Source ID = ONSITE1
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OUT
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Adjacent
** Emission Rate = 1.0
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** SZINIT = 1.42
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LOCATION L0000165     VOLUME   437376.527 3725319.118 212.89
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LOCATION L0000170     VOLUME   437374.388 3725334.207 214.50
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LOCATION L0000172     VOLUME   437373.532 3725340.243 215.22
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LOCATION L0000175     VOLUME   437372.249 3725349.296 216.30
LOCATION L0000176     VOLUME   437371.821 3725352.314 216.66
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = IN
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Adjacent
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LOCATION L0001068     VOLUME   437533.408 3725249.906 203.91
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** End of LINE VOLUME Source ID = IN
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   LOCATION STCK2        POINT      437682.700  3725238.432      213.390
   LOCATION STCK3        POINT      437688.286  3725245.064      214.490
   LOCATION STCK4        POINT      437692.126  3725250.184      215.340
   LOCATION STCK5        POINT      437701.551  3725261.588      217.250
   LOCATION STCK6        POINT      437716.562  3725279.624      218.220
   LOCATION STCK7        POINT      437711.908  3725273.806      218.180
   LOCATION STCK8        POINT      437706.788  3725267.755      218.050
   LOCATION STCK9        POINT      437674.555  3725230.402      212.750
   LOCATION STCK10       POINT      437668.388  3725225.282      212.370
   LOCATION STCK11       POINT      437663.850  3725220.279      211.920
   LOCATION STCK12       POINT      437721.640  3725286.033      218.260
   LOCATION STCK13       POINT      437729.371  3725293.764      218.260
   LOCATION STCK14       POINT      437725.827  3725289.899      218.250
** Source Parameters **
** LINE VOLUME Source ID = ONSITE1
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   SRCPARAM L0000006     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000007     0.0131578947      0.00      1.42      1.42
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   SRCPARAM L0000010     0.0131578947      0.00      1.42      1.42
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   SRCPARAM L0001072     0.0131578947      0.00      1.42      1.42
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   SRCPARAM L0000085     0.0020242915      0.00      1.42      1.42
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SRCGROUP OUT      L0000278 L0000279 L0000280 L0000281 L0000282 L0000283
SRCGROUP OUT      L0000284 L0000285 L0000286 L0000287 L0000288 L0000289
SRCGROUP OUT      L0000290 L0000291 L0000292 L0000293 L0000294 L0000295
SRCGROUP OUT      L0000296 L0000297 L0000298 L0000299 L0000300 L0000301
SRCGROUP OUT      L0000302 L0000303 L0000304 L0000305 L0000306 L0000307
SRCGROUP OUT      L0000308 L0000309 L0000310 L0000311 L0000312 L0000313
SRCGROUP OUT      L0000314 L0000315 L0000316 L0000317 L0000318 L0000319
SRCGROUP OUT      L0000320 L0000321 L0000322 L0000323 L0000324 L0000325
SRCGROUP OUT      L0000326 L0000327 L0000328 L0000329 L0000330 L0000331
SRCGROUP OUT      L0000332 L0000333 L0000334 L0000335 L0000336 L0000337
SRCGROUP OUT      L0000338 L0000339 L0000340 L0000341 L0000342 L0000343
SRCGROUP OUT      L0000344 L0000345 L0000346 L0000347 L0000348 L0000349
SRCGROUP OUT      L0000350 L0000351 L0000352 L0000353 L0000354 L0000355
SRCGROUP OUT      L0000356 L0000357 L0000358 L0000359 L0000360 L0000361
SRCGROUP OUT      L0000362 L0000363 L0000364 L0000365 L0000366 L0000367
SRCGROUP OUT      L0000368 L0000369 L0000370 L0000371 L0000372 L0000373
SRCGROUP OUT      L0000374 L0000375 L0000376 L0000377 L0000378 L0000379
SRCGROUP OUT      L0000380 L0000381 L0000382 L0000383 L0000384 L0000385
SRCGROUP OUT      L0000386 L0000387 L0000388 L0000389 L0000390 L0000391
SRCGROUP OUT      L0000392 L0000393 L0000394 L0000395 L0000396 L0000397
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   SRCGROUP OUT      L0000398 L0000399 L0000400 L0000401 L0000402 L0000403
   SRCGROUP OUT      L0000404 L0000405 L0000406 L0000407 L0000408 L0000409
   SRCGROUP OUT      L0000410 L0000411 L0000412 L0000413 L0000414 L0000415
   SRCGROUP OUT      L0000416 L0000417 L0000418 L0000419 L0000420 L0000421
   SRCGROUP OUT      L0000422 L0000423 L0000424 L0000425 L0000426 L0000427
   SRCGROUP OUT      L0000428 L0000429 L0000430 L0000431 L0000432 L0000433
   SRCGROUP OUT      L0000434 L0000435 L0000436 L0000437 L0000438 L0000439
   SRCGROUP OUT      L0000440 L0000441 L0000442 L0000443 L0000444 L0000445
   SRCGROUP OUT      L0000446 L0000447 L0000448 L0000449 L0000450 L0000451
   SRCGROUP OUT      L0000452 L0000453 L0000454 L0000455 L0000456 L0000457
   SRCGROUP OUT      L0000458 L0000459 L0000460 L0000461 L0000462 L0000463
   SRCGROUP OUT      L0000464 L0000465 L0000466 L0000467 L0000468 L0000469
   SRCGROUP OUT      L0000470 L0000471 L0000472 L0000473 L0000474 L0000475
   SRCGROUP OUT      L0000476 L0000477 L0000478 L0000479 L0000480 L0000481
   SRCGROUP OUT      L0000482 L0000483 L0000484 L0000485 L0000486 L0000487
   SRCGROUP OUT      L0000488 L0000489 L0000490 L0000491 L0000492 L0000493
   SRCGROUP OUT      L0000494 L0000495 L0000496 L0000497 L0000498 L0000499
   SRCGROUP OUT      L0000500 L0000501 L0000502 L0000503 L0000504 L0000505
   SRCGROUP OUT      L0000506 L0000507 L0000508 L0000509 L0000510 L0000511
   SRCGROUP OUT      L0000512 L0000513 L0000514 L0000515 L0000516 L0000517
   SRCGROUP OUT      L0000518 L0000519 L0000520 L0000521 L0000522 L0000523
   SRCGROUP OUT      L0000524 L0000525 L0000526 L0000527 L0000528 L0000529
   SRCGROUP OUT      L0000530 L0000531 L0000532 L0000533 L0000534 L0000535
   SRCGROUP OUT      L0000536 L0000537 L0000538 L0000539 L0000540 L0000541
   SRCGROUP OUT      L0000542 L0000543 L0000544 L0000545 L0000546 L0000547
   SRCGROUP OUT      L0000548 L0000549 L0000550 L0000551 L0000552 L0000553
   SRCGROUP OUT      L0000554 L0000555 L0000556 L0000557 L0000558 L0000559
   SRCGROUP OUT      L0000560 L0000561 L0000562 L0000563 L0000564 L0000565
   SRCGROUP OUT      L0000566 L0000567
   SRCGROUP STCK1    STCK1
   SRCGROUP STCK10   STCK10
   SRCGROUP STCK11   STCK11
   SRCGROUP STCK12   STCK12
   SRCGROUP STCK13   STCK13
   SRCGROUP STCK14   STCK14
   SRCGROUP STCK2    STCK2
   SRCGROUP STCK3    STCK3
   SRCGROUP STCK4    STCK4
   SRCGROUP STCK5    STCK5
   SRCGROUP STCK6    STCK6
   SRCGROUP STCK7    STCK7
   SRCGROUP STCK8    STCK8
   SRCGROUP STCK9    STCK9
SO FINISHED
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****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Operational.rou
RE FINISHED
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** AERMOD Meteorology Pathway
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**
**
ME STARTING
   SURFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC
   PROFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
   SURFDATA 93184 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 170.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 IN 1ST OPERATIONAL.AD\01H1G001.PLT 31
   PLOTFILE 1 ONSITE1 1ST OPERATIONAL.AD\01H1G002.PLT 32
   PLOTFILE 1 OUT 1ST OPERATIONAL.AD\01H1G003.PLT 33
   PLOTFILE 1 STCK1 1ST OPERATIONAL.AD\01H1G004.PLT 34
   PLOTFILE 1 STCK10 1ST OPERATIONAL.AD\01H1G005.PLT 35
   PLOTFILE 1 STCK11 1ST OPERATIONAL.AD\01H1G006.PLT 36
   PLOTFILE 1 STCK12 1ST OPERATIONAL.AD\01H1G007.PLT 37
   PLOTFILE 1 STCK13 1ST OPERATIONAL.AD\01H1G008.PLT 38
   PLOTFILE 1 STCK14 1ST OPERATIONAL.AD\01H1G009.PLT 39
   PLOTFILE 1 STCK2 1ST OPERATIONAL.AD\01H1G010.PLT 40
   PLOTFILE 1 STCK3 1ST OPERATIONAL.AD\01H1G011.PLT 41
   PLOTFILE 1 STCK4 1ST OPERATIONAL.AD\01H1G012.PLT 42
   PLOTFILE 1 STCK5 1ST OPERATIONAL.AD\01H1G013.PLT 43
   PLOTFILE 1 STCK6 1ST OPERATIONAL.AD\01H1G014.PLT 44
   PLOTFILE 1 STCK7 1ST OPERATIONAL.AD\01H1G015.PLT 45
   PLOTFILE 1 STCK8 1ST OPERATIONAL.AD\01H1G016.PLT 46
   PLOTFILE 1 STCK9 1ST OPERATIONAL.AD\01H1G017.PLT 47
   PLOTFILE PERIOD IN OPERATIONAL.AD\PE00G001.PLT 48
   PLOTFILE PERIOD ONSITE1 OPERATIONAL.AD\PE00G002.PLT 49
   PLOTFILE PERIOD OUT OPERATIONAL.AD\PE00G003.PLT 50
   PLOTFILE PERIOD STCK1 OPERATIONAL.AD\PE00G004.PLT 51
   PLOTFILE PERIOD STCK10 OPERATIONAL.AD\PE00G005.PLT 52
   PLOTFILE PERIOD STCK11 OPERATIONAL.AD\PE00G006.PLT 53
   PLOTFILE PERIOD STCK12 OPERATIONAL.AD\PE00G007.PLT 54
   PLOTFILE PERIOD STCK13 OPERATIONAL.AD\PE00G008.PLT 55
   PLOTFILE PERIOD STCK14 OPERATIONAL.AD\PE00G009.PLT 56
   PLOTFILE PERIOD STCK2 OPERATIONAL.AD\PE00G010.PLT 57
   PLOTFILE PERIOD STCK3 OPERATIONAL.AD\PE00G011.PLT 58
   PLOTFILE PERIOD STCK4 OPERATIONAL.AD\PE00G012.PLT 59
   PLOTFILE PERIOD STCK5 OPERATIONAL.AD\PE00G013.PLT 60
   PLOTFILE PERIOD STCK6 OPERATIONAL.AD\PE00G014.PLT 61
   PLOTFILE PERIOD STCK7 OPERATIONAL.AD\PE00G015.PLT 62
   PLOTFILE PERIOD STCK8 OPERATIONAL.AD\PE00G016.PLT 63
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   PLOTFILE PERIOD STCK9 OPERATIONAL.AD\PE00G017.PLT 64
   SUMMFILE Operational.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    2541       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    2541       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- -

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 1088 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 3010232.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1088 Source(s); 17 Source Group(s); and 3432 Receptor(s)

with: 14 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 1074 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

```
**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   170.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                              ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      6.8 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   Operational.err
**File for Summary of Results:   Operational.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.10000E+01	437696.1	3725255.9	216.3	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK2	0	0.10000E+01	437682.7	3725238.4	213.4	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK3	0	0.10000E+01	437688.3	3725245.1	214.5	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK4	0	0.10000E+01	437692.1	3725250.2	215.3	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK5	0	0.10000E+01	437701.6	3725261.6	217.2	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK6	0	0.10000E+01	437716.6	3725279.6	218.2	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK7	0	0.10000E+01	437711.9	3725273.8	218.2	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK8	0	0.10000E+01	437706.8	3725267.8	218.1	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK9	0	0.10000E+01	437674.6	3725230.4	212.8	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK10	0	0.10000E+01	437668.4	3725225.3	212.4	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK11	0	0.10000E+01	437663.8	3725220.3	211.9	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK12	0	0.10000E+01	437721.6	3725286.0	218.3	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK13	0	0.10000E+01	437729.4	3725293.8	218.3	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK14	0	0.10000E+01	437725.8	3725289.9	218.2	3.66	388.70	25.00	0.04	NO	YES	NO	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000001	0	0.13158E-01	437709.7	3725247.3	214.9	0.00	1.42	1.42	YES		NO
L0000002	0	0.13158E-01	437707.9	3725244.9	214.5	0.00	1.42	1.42	YES		NO
L0000003	0	0.13158E-01	437706.0	3725242.5	214.1	0.00	1.42	1.42	YES		NO
L0000004	0	0.13158E-01	437704.2	3725240.1	213.7	0.00	1.42	1.42	YES		NO
L0000005	0	0.13158E-01	437702.3	3725237.6	213.3	0.00	1.42	1.42	YES		NO
L0000006	0	0.13158E-01	437700.5	3725235.2	213.0	0.00	1.42	1.42	YES		NO
L0000007	0	0.13158E-01	437698.6	3725232.8	213.0	0.00	1.42	1.42	YES		NO
L0000008	0	0.13158E-01	437696.8	3725230.4	213.0	0.00	1.42	1.42	YES		NO
L0000009	0	0.13158E-01	437694.9	3725228.0	213.0	0.00	1.42	1.42	YES		NO
L0000010	0	0.13158E-01	437693.0	3725225.6	213.0	0.00	1.42	1.42	YES		NO
L0000011	0	0.13158E-01	437691.2	3725223.1	212.9	0.00	1.42	1.42	YES		NO
L0000012	0	0.13158E-01	437689.3	3725220.7	212.8	0.00	1.42	1.42	YES		NO
L0000013	0	0.13158E-01	437687.5	3725218.3	212.7	0.00	1.42	1.42	YES		NO
L0000014	0	0.13158E-01	437685.5	3725216.0	212.6	0.00	1.42	1.42	YES		NO
L0000015	0	0.13158E-01	437683.4	3725213.8	212.4	0.00	1.42	1.42	YES		NO
L0000016	0	0.13158E-01	437681.3	3725211.6	212.3	0.00	1.42	1.42	YES		NO
L0000017	0	0.13158E-01	437679.2	3725209.4	212.1	0.00	1.42	1.42	YES		NO
L0000018	0	0.13158E-01	437677.1	3725207.2	211.9	0.00	1.42	1.42	YES		NO
L0000019	0	0.13158E-01	437675.0	3725205.0	211.8	0.00	1.42	1.42	YES		NO
L0000020	0	0.13158E-01	437672.9	3725202.8	211.8	0.00	1.42	1.42	YES		NO
L0000021	0	0.13158E-01	437670.5	3725200.9	211.7	0.00	1.42	1.42	YES		NO
L0000022	0	0.13158E-01	437668.0	3725199.1	211.7	0.00	1.42	1.42	YES		NO
L0000023	0	0.13158E-01	437665.5	3725197.3	211.7	0.00	1.42	1.42	YES		NO
L0000024	0	0.13158E-01	437663.0	3725195.6	211.6	0.00	1.42	1.42	YES		NO
L0000025	0	0.13158E-01	437660.6	3725193.8	211.6	0.00	1.42	1.42	YES		NO
L0000026	0	0.13158E-01	437658.1	3725192.0	211.5	0.00	1.42	1.42	YES		NO
L0000027	0	0.13158E-01	437655.6	3725190.2	211.5	0.00	1.42	1.42	YES		NO
L0000028	0	0.13158E-01	437653.1	3725188.4	211.4	0.00	1.42	1.42	YES		NO
L0000029	0	0.13158E-01	437650.4	3725187.1	211.3	0.00	1.42	1.42	YES		NO
L0000030	0	0.13158E-01	437647.6	3725186.1	211.1	0.00	1.42	1.42	YES		NO
L0000031	0	0.13158E-01	437644.7	3725185.1	210.8	0.00	1.42	1.42	YES		NO
L0000032	0	0.13158E-01	437641.8	3725184.1	210.5	0.00	1.42	1.42	YES		NO
L0000033	0	0.13158E-01	437638.9	3725183.1	210.1	0.00	1.42	1.42	YES		NO
L0000034	0	0.13158E-01	437636.0	3725182.4	209.7	0.00	1.42	1.42	YES		NO
L0000035	0	0.13158E-01	437633.0	3725182.0	209.3	0.00	1.42	1.42	YES		NO
L0000036	0	0.13158E-01	437629.9	3725181.6	208.8	0.00	1.42	1.42	YES		NO
L0000037	0	0.13158E-01	437627.1	3725182.5	208.5	0.00	1.42	1.42	YES		NO
L0000038	0	0.13158E-01	437624.2	3725183.6	208.1	0.00	1.42	1.42	YES		NO
L0000039	0	0.13158E-01	437621.4	3725184.6	207.8	0.00	1.42	1.42	YES		NO
L0000040	0	0.13158E-01	437619.1	3725186.6	207.7	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000041	0	0.13158E-01	437616.9	3725188.8	207.8	0.00	1.42	1.42	YES		NO
L0000042	0	0.13158E-01	437614.7	3725190.9	207.8	0.00	1.42	1.42	YES		NO
L0000043	0	0.13158E-01	437612.5	3725193.0	207.9	0.00	1.42	1.42	YES		NO
L0000044	0	0.13158E-01	437610.3	3725195.1	208.0	0.00	1.42	1.42	YES		NO
L0000045	0	0.13158E-01	437608.1	3725197.2	208.0	0.00	1.42	1.42	YES		NO
L0000046	0	0.13158E-01	437606.0	3725199.4	208.1	0.00	1.42	1.42	YES		NO
L0000047	0	0.13158E-01	437603.8	3725201.5	208.2	0.00	1.42	1.42	YES		NO
L0000048	0	0.13158E-01	437601.6	3725203.6	208.2	0.00	1.42	1.42	YES		NO
L0000049	0	0.13158E-01	437599.4	3725205.7	208.3	0.00	1.42	1.42	YES		NO
L0000050	0	0.13158E-01	437597.2	3725207.9	208.4	0.00	1.42	1.42	YES		NO
L0000051	0	0.13158E-01	437595.0	3725210.0	208.5	0.00	1.42	1.42	YES		NO
L0000052	0	0.13158E-01	437592.9	3725212.1	208.6	0.00	1.42	1.42	YES		NO
L0000053	0	0.13158E-01	437590.7	3725214.3	208.6	0.00	1.42	1.42	YES		NO
L0000054	0	0.13158E-01	437588.5	3725216.4	208.6	0.00	1.42	1.42	YES		NO
L0000055	0	0.13158E-01	437586.3	3725218.5	208.5	0.00	1.42	1.42	YES		NO
L0000056	0	0.13158E-01	437584.1	3725220.6	208.4	0.00	1.42	1.42	YES		NO
L0000057	0	0.13158E-01	437581.9	3725222.8	208.3	0.00	1.42	1.42	YES		NO
L0000058	0	0.13158E-01	437579.8	3725224.9	208.3	0.00	1.42	1.42	YES		NO
L0000059	0	0.13158E-01	437577.6	3725227.0	208.2	0.00	1.42	1.42	YES		NO
L0000060	0	0.13158E-01	437575.4	3725229.1	208.1	0.00	1.42	1.42	YES		NO
L0000061	0	0.13158E-01	437573.2	3725231.3	208.0	0.00	1.42	1.42	YES		NO
L0000062	0	0.13158E-01	437571.0	3725233.4	208.0	0.00	1.42	1.42	YES		NO
L0000063	0	0.13158E-01	437568.8	3725235.5	207.9	0.00	1.42	1.42	YES		NO
L0000064	0	0.13158E-01	437566.7	3725237.7	207.7	0.00	1.42	1.42	YES		NO
L0000065	0	0.13158E-01	437564.5	3725239.8	207.6	0.00	1.42	1.42	YES		NO
L0000066	0	0.13158E-01	437562.3	3725241.9	207.3	0.00	1.42	1.42	YES		NO
L0000067	0	0.13158E-01	437560.1	3725244.0	207.1	0.00	1.42	1.42	YES		NO
L0000068	0	0.13158E-01	437557.9	3725246.2	206.8	0.00	1.42	1.42	YES		NO
L0000069	0	0.13158E-01	437555.8	3725248.3	206.5	0.00	1.42	1.42	YES		NO
L0000070	0	0.13158E-01	437553.6	3725250.4	206.3	0.00	1.42	1.42	YES		NO
L0000071	0	0.13158E-01	437551.4	3725252.6	206.1	0.00	1.42	1.42	YES		NO
L0000072	0	0.13158E-01	437549.2	3725254.7	205.8	0.00	1.42	1.42	YES		NO
L0000073	0	0.13158E-01	437547.0	3725256.8	205.6	0.00	1.42	1.42	YES		NO
L0001072	0	0.13158E-01	437544.8	3725258.9	205.4	0.00	1.42	1.42	YES		NO
L0001073	0	0.13158E-01	437542.7	3725261.1	205.2	0.00	1.42	1.42	YES		NO
L0001074	0	0.13158E-01	437540.5	3725263.2	205.0	0.00	1.42	1.42	YES		NO
L0000074	0	0.20243E-02	437532.4	3725260.4	204.1	0.00	1.42	1.42	YES		NO
L0000075	0	0.20243E-02	437530.4	3725258.1	203.8	0.00	1.42	1.42	YES		NO
L0000076	0	0.20243E-02	437528.5	3725255.8	203.6	0.00	1.42	1.42	YES		NO
L0000077	0	0.20243E-02	437526.5	3725253.5	203.4	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000078	0	0.20243E-02	437524.5	3725251.1	203.2	0.00	1.42	1.42	YES		NO
L0000079	0	0.20243E-02	437522.6	3725248.8	203.0	0.00	1.42	1.42	YES		NO
L0000080	0	0.20243E-02	437520.6	3725246.5	202.7	0.00	1.42	1.42	YES		NO
L0000081	0	0.20243E-02	437518.6	3725244.2	202.5	0.00	1.42	1.42	YES		NO
L0000082	0	0.20243E-02	437516.6	3725241.8	202.3	0.00	1.42	1.42	YES		NO
L0000083	0	0.20243E-02	437514.5	3725239.7	202.1	0.00	1.42	1.42	YES		NO
L0000084	0	0.20243E-02	437512.2	3725237.7	201.9	0.00	1.42	1.42	YES		NO
L0000085	0	0.20243E-02	437509.9	3725235.7	201.7	0.00	1.42	1.42	YES		NO
L0000086	0	0.20243E-02	437507.6	3725233.7	201.5	0.00	1.42	1.42	YES		NO
L0000087	0	0.20243E-02	437505.3	3725231.7	201.2	0.00	1.42	1.42	YES		NO
L0000088	0	0.20243E-02	437502.9	3725229.8	201.0	0.00	1.42	1.42	YES		NO
L0000089	0	0.20243E-02	437500.5	3725228.0	200.8	0.00	1.42	1.42	YES		NO
L0000090	0	0.20243E-02	437498.0	3725226.2	200.6	0.00	1.42	1.42	YES		NO
L0000091	0	0.20243E-02	437495.6	3725224.4	200.5	0.00	1.42	1.42	YES		NO
L0000092	0	0.20243E-02	437493.0	3725222.8	200.4	0.00	1.42	1.42	YES		NO
L0000093	0	0.20243E-02	437490.2	3725221.5	200.4	0.00	1.42	1.42	YES		NO
L0000094	0	0.20243E-02	437487.4	3725220.2	200.3	0.00	1.42	1.42	YES		NO
L0000095	0	0.20243E-02	437484.7	3725218.9	200.2	0.00	1.42	1.42	YES		NO
L0000096	0	0.20243E-02	437481.9	3725217.7	200.2	0.00	1.42	1.42	YES		NO
L0000097	0	0.20243E-02	437479.1	3725216.4	200.1	0.00	1.42	1.42	YES		NO
L0000098	0	0.20243E-02	437476.3	3725215.2	200.1	0.00	1.42	1.42	YES		NO
L0000099	0	0.20243E-02	437473.6	3725213.9	200.0	0.00	1.42	1.42	YES		NO
L0000100	0	0.20243E-02	437470.8	3725212.6	200.0	0.00	1.42	1.42	YES		NO
L0000101	0	0.20243E-02	437468.0	3725211.4	200.0	0.00	1.42	1.42	YES		NO
L0000102	0	0.20243E-02	437465.2	3725210.1	200.0	0.00	1.42	1.42	YES		NO
L0000103	0	0.20243E-02	437462.5	3725208.9	200.0	0.00	1.42	1.42	YES		NO
L0000104	0	0.20243E-02	437459.7	3725207.6	200.0	0.00	1.42	1.42	YES		NO
L0000105	0	0.20243E-02	437456.9	3725206.4	200.0	0.00	1.42	1.42	YES		NO
L0000106	0	0.20243E-02	437454.0	3725205.3	200.0	0.00	1.42	1.42	YES		NO
L0000107	0	0.20243E-02	437451.2	3725204.2	200.0	0.00	1.42	1.42	YES		NO
L0000108	0	0.20243E-02	437448.4	3725203.1	199.9	0.00	1.42	1.42	YES		NO
L0000109	0	0.20243E-02	437445.5	3725201.9	199.9	0.00	1.42	1.42	YES		NO
L0000110	0	0.20243E-02	437442.7	3725200.8	199.8	0.00	1.42	1.42	YES		NO
L0000111	0	0.20243E-02	437439.9	3725199.7	199.8	0.00	1.42	1.42	YES		NO
L0000112	0	0.20243E-02	437437.0	3725198.6	199.8	0.00	1.42	1.42	YES		NO
L0000113	0	0.20243E-02	437434.2	3725197.4	199.9	0.00	1.42	1.42	YES		NO
L0000114	0	0.20243E-02	437431.4	3725196.3	200.0	0.00	1.42	1.42	YES		NO
L0000115	0	0.20243E-02	437428.5	3725195.2	200.0	0.00	1.42	1.42	YES		NO
L0000116	0	0.20243E-02	437425.7	3725194.1	200.1	0.00	1.42	1.42	YES		NO
L0000117	0	0.20243E-02	437422.9	3725193.0	200.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000118	0	0.20243E-02	437420.0	3725191.8	200.2	0.00	1.42	1.42	YES		NO
L0000119	0	0.20243E-02	437417.2	3725191.4	200.3	0.00	1.42	1.42	YES		NO
L0000120	0	0.20243E-02	437414.2	3725192.0	200.4	0.00	1.42	1.42	YES		NO
L0000121	0	0.20243E-02	437411.2	3725192.7	200.5	0.00	1.42	1.42	YES		NO
L0000122	0	0.20243E-02	437408.6	3725193.9	200.8	0.00	1.42	1.42	YES		NO
L0000123	0	0.20243E-02	437406.4	3725196.1	201.3	0.00	1.42	1.42	YES		NO
L0000124	0	0.20243E-02	437404.3	3725198.3	201.8	0.00	1.42	1.42	YES		NO
L0000125	0	0.20243E-02	437402.2	3725200.5	202.2	0.00	1.42	1.42	YES		NO
L0000126	0	0.20243E-02	437400.9	3725203.2	202.4	0.00	1.42	1.42	YES		NO
L0000127	0	0.20243E-02	437399.7	3725206.0	202.7	0.00	1.42	1.42	YES		NO
L0000128	0	0.20243E-02	437398.4	3725208.8	203.0	0.00	1.42	1.42	YES		NO
L0000129	0	0.20243E-02	437397.2	3725211.6	203.3	0.00	1.42	1.42	YES		NO
L0000130	0	0.20243E-02	437395.9	3725214.4	203.6	0.00	1.42	1.42	YES		NO
L0000131	0	0.20243E-02	437395.0	3725217.2	203.8	0.00	1.42	1.42	YES		NO
L0000132	0	0.20243E-02	437394.3	3725220.2	204.0	0.00	1.42	1.42	YES		NO
L0000133	0	0.20243E-02	437393.6	3725223.2	204.2	0.00	1.42	1.42	YES		NO
L0000134	0	0.20243E-02	437392.9	3725226.1	204.4	0.00	1.42	1.42	YES		NO
L0000135	0	0.20243E-02	437392.2	3725229.1	204.5	0.00	1.42	1.42	YES		NO
L0000136	0	0.20243E-02	437391.5	3725232.1	204.7	0.00	1.42	1.42	YES		NO
L0000137	0	0.20243E-02	437390.8	3725235.0	204.9	0.00	1.42	1.42	YES		NO
L0000138	0	0.20243E-02	437390.1	3725238.0	205.2	0.00	1.42	1.42	YES		NO
L0000139	0	0.20243E-02	437389.4	3725241.0	205.6	0.00	1.42	1.42	YES		NO
L0000140	0	0.20243E-02	437388.7	3725244.0	206.0	0.00	1.42	1.42	YES		NO
L0000141	0	0.20243E-02	437388.0	3725246.9	206.3	0.00	1.42	1.42	YES		NO
L0000142	0	0.20243E-02	437387.3	3725249.9	206.7	0.00	1.42	1.42	YES		NO
L0000143	0	0.20243E-02	437386.6	3725252.9	207.1	0.00	1.42	1.42	YES		NO
L0000144	0	0.20243E-02	437385.9	3725255.8	207.5	0.00	1.42	1.42	YES		NO
L0000145	0	0.20243E-02	437385.3	3725258.8	207.8	0.00	1.42	1.42	YES		NO
L0000146	0	0.20243E-02	437384.7	3725261.8	208.2	0.00	1.42	1.42	YES		NO
L0000147	0	0.20243E-02	437384.2	3725264.8	208.6	0.00	1.42	1.42	YES		NO
L0000148	0	0.20243E-02	437383.8	3725267.8	208.8	0.00	1.42	1.42	YES		NO
L0000149	0	0.20243E-02	437383.4	3725270.8	209.1	0.00	1.42	1.42	YES		NO
L0000150	0	0.20243E-02	437382.9	3725273.8	209.3	0.00	1.42	1.42	YES		NO
L0000151	0	0.20243E-02	437382.5	3725276.9	209.5	0.00	1.42	1.42	YES		NO
L0000152	0	0.20243E-02	437382.1	3725279.9	209.8	0.00	1.42	1.42	YES		NO
L0000153	0	0.20243E-02	437381.7	3725282.9	210.0	0.00	1.42	1.42	YES		NO
L0000154	0	0.20243E-02	437381.2	3725285.9	210.2	0.00	1.42	1.42	YES		NO
L0000155	0	0.20243E-02	437380.8	3725288.9	210.4	0.00	1.42	1.42	YES		NO
L0000156	0	0.20243E-02	437380.4	3725292.0	210.7	0.00	1.42	1.42	YES		NO
L0000157	0	0.20243E-02	437380.0	3725295.0	210.9	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000158	0	0.20243E-02	437379.5	3725298.0	211.1	0.00	1.42	1.42	YES		NO
L0000159	0	0.20243E-02	437379.1	3725301.0	211.4	0.00	1.42	1.42	YES		NO
L0000160	0	0.20243E-02	437378.7	3725304.0	211.6	0.00	1.42	1.42	YES		NO
L0000161	0	0.20243E-02	437378.2	3725307.0	211.9	0.00	1.42	1.42	YES		NO
L0000162	0	0.20243E-02	437377.8	3725310.1	212.1	0.00	1.42	1.42	YES		NO
L0000163	0	0.20243E-02	437377.4	3725313.1	212.4	0.00	1.42	1.42	YES		NO
L0000164	0	0.20243E-02	437377.0	3725316.1	212.6	0.00	1.42	1.42	YES		NO
L0000165	0	0.20243E-02	437376.5	3725319.1	212.9	0.00	1.42	1.42	YES		NO
L0000166	0	0.20243E-02	437376.1	3725322.1	213.2	0.00	1.42	1.42	YES		NO
L0000167	0	0.20243E-02	437375.7	3725325.2	213.5	0.00	1.42	1.42	YES		NO
L0000168	0	0.20243E-02	437375.2	3725328.2	213.8	0.00	1.42	1.42	YES		NO
L0000169	0	0.20243E-02	437374.8	3725331.2	214.1	0.00	1.42	1.42	YES		NO
L0000170	0	0.20243E-02	437374.4	3725334.2	214.5	0.00	1.42	1.42	YES		NO
L0000171	0	0.20243E-02	437374.0	3725337.2	214.9	0.00	1.42	1.42	YES		NO
L0000172	0	0.20243E-02	437373.5	3725340.2	215.2	0.00	1.42	1.42	YES		NO
L0000173	0	0.20243E-02	437373.1	3725343.3	215.6	0.00	1.42	1.42	YES		NO
L0000174	0	0.20243E-02	437372.7	3725346.3	215.9	0.00	1.42	1.42	YES		NO
L0000175	0	0.20243E-02	437372.2	3725349.3	216.3	0.00	1.42	1.42	YES		NO
L0000176	0	0.20243E-02	437371.8	3725352.3	216.7	0.00	1.42	1.42	YES		NO
L0000177	0	0.20243E-02	437371.4	3725355.3	217.0	0.00	1.42	1.42	YES		NO
L0000178	0	0.20243E-02	437371.0	3725358.3	217.2	0.00	1.42	1.42	YES		NO
L0000179	0	0.20243E-02	437370.5	3725361.4	217.3	0.00	1.42	1.42	YES		NO
L0000180	0	0.20243E-02	437370.1	3725364.4	217.5	0.00	1.42	1.42	YES		NO
L0000181	0	0.20243E-02	437369.7	3725367.4	217.6	0.00	1.42	1.42	YES		NO
L0000182	0	0.20243E-02	437369.3	3725370.4	217.7	0.00	1.42	1.42	YES		NO
L0000183	0	0.20243E-02	437368.8	3725373.4	217.8	0.00	1.42	1.42	YES		NO
L0000184	0	0.20243E-02	437368.4	3725376.5	217.9	0.00	1.42	1.42	YES		NO
L0000185	0	0.20243E-02	437368.0	3725379.5	218.0	0.00	1.42	1.42	YES		NO
L0000186	0	0.20243E-02	437367.5	3725382.5	218.1	0.00	1.42	1.42	YES		NO
L0000187	0	0.20243E-02	437367.1	3725385.5	218.2	0.00	1.42	1.42	YES		NO
L0000188	0	0.20243E-02	437366.7	3725388.5	217.9	0.00	1.42	1.42	YES		NO
L0000189	0	0.20243E-02	437366.3	3725391.5	217.4	0.00	1.42	1.42	YES		NO
L0000190	0	0.20243E-02	437365.8	3725394.6	216.9	0.00	1.42	1.42	YES		NO
L0000191	0	0.20243E-02	437365.4	3725397.6	216.4	0.00	1.42	1.42	YES		NO
L0000192	0	0.20243E-02	437365.0	3725400.6	215.8	0.00	1.42	1.42	YES		NO
L0000193	0	0.20243E-02	437364.5	3725403.6	215.3	0.00	1.42	1.42	YES		NO
L0000194	0	0.20243E-02	437364.1	3725406.6	214.8	0.00	1.42	1.42	YES		NO
L0000195	0	0.20243E-02	437363.7	3725409.7	214.2	0.00	1.42	1.42	YES		NO
L0000196	0	0.20243E-02	437363.3	3725412.7	213.7	0.00	1.42	1.42	YES		NO
L0000197	0	0.20243E-02	437362.8	3725415.7	213.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000198	0	0.20243E-02	437362.4	3725418.7	212.9	0.00	1.42	1.42	YES		NO
L0000199	0	0.20243E-02	437362.0	3725421.7	212.8	0.00	1.42	1.42	YES		NO
L0000200	0	0.20243E-02	437361.6	3725424.7	212.7	0.00	1.42	1.42	YES		NO
L0000201	0	0.20243E-02	437361.1	3725427.8	212.6	0.00	1.42	1.42	YES		NO
L0000202	0	0.20243E-02	437360.7	3725430.8	212.5	0.00	1.42	1.42	YES		NO
L0000203	0	0.20243E-02	437360.3	3725433.8	212.4	0.00	1.42	1.42	YES		NO
L0000204	0	0.20243E-02	437359.8	3725436.8	212.3	0.00	1.42	1.42	YES		NO
L0000205	0	0.20243E-02	437359.4	3725439.8	212.2	0.00	1.42	1.42	YES		NO
L0000206	0	0.20243E-02	437359.0	3725442.8	212.1	0.00	1.42	1.42	YES		NO
L0000207	0	0.20243E-02	437358.6	3725445.9	212.0	0.00	1.42	1.42	YES		NO
L0000208	0	0.20243E-02	437358.1	3725448.9	212.1	0.00	1.42	1.42	YES		NO
L0000209	0	0.20243E-02	437357.7	3725451.9	212.2	0.00	1.42	1.42	YES		NO
L0000210	0	0.20243E-02	437357.3	3725454.9	212.3	0.00	1.42	1.42	YES		NO
L0000211	0	0.20243E-02	437356.8	3725457.9	212.4	0.00	1.42	1.42	YES		NO
L0000212	0	0.20243E-02	437356.4	3725461.0	212.5	0.00	1.42	1.42	YES		NO
L0000213	0	0.20243E-02	437356.0	3725464.0	212.6	0.00	1.42	1.42	YES		NO
L0000214	0	0.20243E-02	437355.6	3725467.0	212.7	0.00	1.42	1.42	YES		NO
L0000215	0	0.20243E-02	437355.1	3725470.0	212.8	0.00	1.42	1.42	YES		NO
L0000216	0	0.20243E-02	437354.7	3725473.0	212.9	0.00	1.42	1.42	YES		NO
L0000217	0	0.20243E-02	437354.3	3725476.0	213.0	0.00	1.42	1.42	YES		NO
L0000218	0	0.20243E-02	437353.9	3725479.1	213.2	0.00	1.42	1.42	YES		NO
L0000219	0	0.20243E-02	437353.4	3725482.1	213.5	0.00	1.42	1.42	YES		NO
L0000220	0	0.20243E-02	437353.0	3725485.1	213.7	0.00	1.42	1.42	YES		NO
L0000221	0	0.20243E-02	437352.6	3725488.1	213.9	0.00	1.42	1.42	YES		NO
L0000222	0	0.20243E-02	437352.1	3725491.1	214.1	0.00	1.42	1.42	YES		NO
L0000223	0	0.20243E-02	437351.7	3725494.2	214.3	0.00	1.42	1.42	YES		NO
L0000224	0	0.20243E-02	437353.2	3725496.6	214.5	0.00	1.42	1.42	YES		NO
L0000225	0	0.20243E-02	437355.3	3725498.8	214.8	0.00	1.42	1.42	YES		NO
L0000226	0	0.20243E-02	437357.4	3725500.9	215.1	0.00	1.42	1.42	YES		NO
L0000227	0	0.20243E-02	437359.9	3725502.5	215.4	0.00	1.42	1.42	YES		NO
L0000228	0	0.20243E-02	437362.8	3725503.5	215.6	0.00	1.42	1.42	YES		NO
L0000229	0	0.20243E-02	437365.7	3725504.4	215.9	0.00	1.42	1.42	YES		NO
L0000230	0	0.20243E-02	437368.6	3725505.4	216.2	0.00	1.42	1.42	YES		NO
L0000231	0	0.20243E-02	437371.6	3725506.1	216.5	0.00	1.42	1.42	YES		NO
L0000232	0	0.20243E-02	437374.5	3725506.7	216.7	0.00	1.42	1.42	YES		NO
L0000233	0	0.20243E-02	437377.5	3725507.3	217.0	0.00	1.42	1.42	YES		NO
L0000234	0	0.20243E-02	437380.5	3725507.9	217.2	0.00	1.42	1.42	YES		NO
L0000235	0	0.20243E-02	437383.5	3725508.5	217.1	0.00	1.42	1.42	YES		NO
L0000236	0	0.20243E-02	437386.5	3725509.1	217.1	0.00	1.42	1.42	YES		NO
L0000237	0	0.20243E-02	437389.5	3725509.7	217.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000238	0	0.20243E-02	437392.5	3725510.3	217.1	0.00	1.42	1.42	YES		NO
L0000239	0	0.20243E-02	437395.4	3725511.1	217.1	0.00	1.42	1.42	YES		NO
L0000240	0	0.20243E-02	437398.3	3725511.9	217.1	0.00	1.42	1.42	YES		NO
L0000241	0	0.20243E-02	437401.3	3725512.7	217.1	0.00	1.42	1.42	YES		NO
L0000242	0	0.20243E-02	437404.2	3725513.5	217.1	0.00	1.42	1.42	YES		NO
L0000243	0	0.20243E-02	437407.2	3725514.3	217.1	0.00	1.42	1.42	YES		NO
L0000244	0	0.20243E-02	437410.1	3725515.1	217.1	0.00	1.42	1.42	YES		NO
L0000245	0	0.20243E-02	437413.1	3725515.9	217.0	0.00	1.42	1.42	YES		NO
L0000246	0	0.20243E-02	437416.0	3725516.6	216.8	0.00	1.42	1.42	YES		NO
L0000247	0	0.20243E-02	437418.9	3725517.4	216.7	0.00	1.42	1.42	YES		NO
L0000248	0	0.20243E-02	437421.9	3725518.2	216.6	0.00	1.42	1.42	YES		NO
L0000249	0	0.20243E-02	437424.8	3725519.0	216.4	0.00	1.42	1.42	YES		NO
L0000250	0	0.20243E-02	437427.8	3725519.8	216.3	0.00	1.42	1.42	YES		NO
L0000251	0	0.20243E-02	437430.7	3725520.6	216.2	0.00	1.42	1.42	YES		NO
L0000252	0	0.20243E-02	437433.6	3725521.5	216.1	0.00	1.42	1.42	YES		NO
L0000253	0	0.20243E-02	437436.5	3725522.4	216.0	0.00	1.42	1.42	YES		NO
L0000254	0	0.20243E-02	437439.4	3725523.4	215.9	0.00	1.42	1.42	YES		NO
L0000255	0	0.20243E-02	437442.3	3725524.4	215.8	0.00	1.42	1.42	YES		NO
L0000256	0	0.20243E-02	437445.2	3725525.4	215.6	0.00	1.42	1.42	YES		NO
L0000257	0	0.20243E-02	437448.1	3725526.3	215.4	0.00	1.42	1.42	YES		NO
L0000258	0	0.20243E-02	437451.0	3725527.3	215.2	0.00	1.42	1.42	YES		NO
L0000259	0	0.20243E-02	437453.9	3725528.3	215.0	0.00	1.42	1.42	YES		NO
L0000260	0	0.20243E-02	437456.8	3725529.2	214.8	0.00	1.42	1.42	YES		NO
L0000261	0	0.20243E-02	437459.6	3725530.2	214.6	0.00	1.42	1.42	YES		NO
L0000262	0	0.20243E-02	437462.5	3725531.2	214.4	0.00	1.42	1.42	YES		NO
L0000263	0	0.20243E-02	437465.4	3725532.1	214.1	0.00	1.42	1.42	YES		NO
L0000264	0	0.20243E-02	437468.3	3725533.1	213.9	0.00	1.42	1.42	YES		NO
L0000265	0	0.20243E-02	437471.2	3725534.2	213.7	0.00	1.42	1.42	YES		NO
L0000266	0	0.20243E-02	437474.0	3725535.3	213.5	0.00	1.42	1.42	YES		NO
L0000267	0	0.20243E-02	437476.8	3725536.5	213.3	0.00	1.42	1.42	YES		NO
L0000268	0	0.20243E-02	437479.6	3725537.6	213.1	0.00	1.42	1.42	YES		NO
L0000269	0	0.20243E-02	437482.5	3725538.8	212.9	0.00	1.42	1.42	YES		NO
L0000270	0	0.20243E-02	437485.3	3725539.9	212.7	0.00	1.42	1.42	YES		NO
L0000271	0	0.20243E-02	437488.1	3725541.1	212.5	0.00	1.42	1.42	YES		NO
L0000272	0	0.20243E-02	437490.9	3725542.2	212.3	0.00	1.42	1.42	YES		NO
L0000273	0	0.20243E-02	437493.8	3725543.4	212.1	0.00	1.42	1.42	YES		NO
L0000274	0	0.20243E-02	437496.6	3725544.5	211.9	0.00	1.42	1.42	YES		NO
L0000275	0	0.20243E-02	437499.4	3725545.7	211.7	0.00	1.42	1.42	YES		NO
L0000276	0	0.20243E-02	437502.2	3725546.8	211.5	0.00	1.42	1.42	YES		NO
L0000277	0	0.20243E-02	437505.1	3725548.0	211.3	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000278	0	0.20243E-02	437507.9	3725549.1	211.2	0.00	1.42	1.42	YES		NO
L0000279	0	0.20243E-02	437510.6	3725550.4	211.0	0.00	1.42	1.42	YES		NO
L0000280	0	0.20243E-02	437513.4	3725551.8	210.9	0.00	1.42	1.42	YES		NO
L0000281	0	0.20243E-02	437516.1	3725553.1	210.8	0.00	1.42	1.42	YES		NO
L0000282	0	0.20243E-02	437518.8	3725554.5	210.7	0.00	1.42	1.42	YES		NO
L0000283	0	0.20243E-02	437521.5	3725555.9	210.6	0.00	1.42	1.42	YES		NO
L0000284	0	0.20243E-02	437524.2	3725557.2	210.5	0.00	1.42	1.42	YES		NO
L0000285	0	0.20243E-02	437527.0	3725558.6	210.5	0.00	1.42	1.42	YES		NO
L0000286	0	0.20243E-02	437529.7	3725560.0	210.4	0.00	1.42	1.42	YES		NO
L0000287	0	0.20243E-02	437532.4	3725561.4	210.3	0.00	1.42	1.42	YES		NO
L0000288	0	0.20243E-02	437535.1	3725562.7	210.2	0.00	1.42	1.42	YES		NO
L0000289	0	0.20243E-02	437537.9	3725564.1	210.0	0.00	1.42	1.42	YES		NO
L0000290	0	0.20243E-02	437540.6	3725565.5	209.9	0.00	1.42	1.42	YES		NO
L0000291	0	0.20243E-02	437543.3	3725566.8	209.7	0.00	1.42	1.42	YES		NO
L0000292	0	0.20243E-02	437546.0	3725568.2	209.6	0.00	1.42	1.42	YES		NO
L0000293	0	0.20243E-02	437548.8	3725569.6	209.4	0.00	1.42	1.42	YES		NO
L0000294	0	0.20243E-02	437551.5	3725571.0	209.3	0.00	1.42	1.42	YES		NO
L0000295	0	0.20243E-02	437554.1	3725572.4	209.2	0.00	1.42	1.42	YES		NO
L0000296	0	0.20243E-02	437556.7	3725574.0	209.1	0.00	1.42	1.42	YES		NO
L0000297	0	0.20243E-02	437559.3	3725575.7	209.0	0.00	1.42	1.42	YES		NO
L0000298	0	0.20243E-02	437561.9	3725577.3	209.0	0.00	1.42	1.42	YES		NO
L0000299	0	0.20243E-02	437564.5	3725578.9	209.1	0.00	1.42	1.42	YES		NO
L0000300	0	0.20243E-02	437567.1	3725580.5	209.1	0.00	1.42	1.42	YES		NO
L0000301	0	0.20243E-02	437569.6	3725582.1	209.1	0.00	1.42	1.42	YES		NO
L0000302	0	0.20243E-02	437572.2	3725583.7	209.1	0.00	1.42	1.42	YES		NO
L0000303	0	0.20243E-02	437574.8	3725585.4	209.1	0.00	1.42	1.42	YES		NO
L0000304	0	0.20243E-02	437577.4	3725587.0	209.1	0.00	1.42	1.42	YES		NO
L0000305	0	0.20243E-02	437580.0	3725588.6	209.1	0.00	1.42	1.42	YES		NO
L0000306	0	0.20243E-02	437582.6	3725590.2	209.0	0.00	1.42	1.42	YES		NO
L0000307	0	0.20243E-02	437585.1	3725591.8	209.0	0.00	1.42	1.42	YES		NO
L0000308	0	0.20243E-02	437587.7	3725593.5	208.9	0.00	1.42	1.42	YES		NO
L0000309	0	0.20243E-02	437590.3	3725595.1	208.9	0.00	1.42	1.42	YES		NO
L0000310	0	0.20243E-02	437592.8	3725596.8	209.1	0.00	1.42	1.42	YES		NO
L0000311	0	0.20243E-02	437595.3	3725598.6	209.2	0.00	1.42	1.42	YES		NO
L0000312	0	0.20243E-02	437597.7	3725600.4	209.3	0.00	1.42	1.42	YES		NO
L0000313	0	0.20243E-02	437600.2	3725602.2	209.4	0.00	1.42	1.42	YES		NO
L0000314	0	0.20243E-02	437602.6	3725604.0	209.5	0.00	1.42	1.42	YES		NO
L0000315	0	0.20243E-02	437605.1	3725605.8	209.7	0.00	1.42	1.42	YES		NO
L0000316	0	0.20243E-02	437607.6	3725607.6	209.8	0.00	1.42	1.42	YES		NO
L0000317	0	0.20243E-02	437610.0	3725609.4	209.9	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000318	0	0.20243E-02	437612.5	3725611.2	210.0	0.00	1.42	1.42	YES		NO
L0000319	0	0.20243E-02	437615.0	3725613.0	210.1	0.00	1.42	1.42	YES		NO
L0000320	0	0.20243E-02	437617.4	3725614.8	210.2	0.00	1.42	1.42	YES		NO
L0000321	0	0.20243E-02	437619.9	3725616.6	210.4	0.00	1.42	1.42	YES		NO
L0000322	0	0.20243E-02	437622.4	3725618.4	210.5	0.00	1.42	1.42	YES		NO
L0000323	0	0.20243E-02	437624.8	3725620.2	210.6	0.00	1.42	1.42	YES		NO
L0000324	0	0.20243E-02	437627.3	3725622.0	210.7	0.00	1.42	1.42	YES		NO
L0000325	0	0.20243E-02	437629.6	3725623.9	210.9	0.00	1.42	1.42	YES		NO
L0000326	0	0.20243E-02	437631.9	3725625.9	211.0	0.00	1.42	1.42	YES		NO
L0000327	0	0.20243E-02	437634.2	3725627.9	211.2	0.00	1.42	1.42	YES		NO
L0000328	0	0.20243E-02	437636.6	3725629.9	211.3	0.00	1.42	1.42	YES		NO
L0000329	0	0.20243E-02	437638.9	3725631.8	211.5	0.00	1.42	1.42	YES		NO
L0000330	0	0.20243E-02	437641.2	3725633.8	211.6	0.00	1.42	1.42	YES		NO
L0000331	0	0.20243E-02	437643.5	3725635.8	211.7	0.00	1.42	1.42	YES		NO
L0000332	0	0.20243E-02	437645.8	3725637.8	211.8	0.00	1.42	1.42	YES		NO
L0000333	0	0.20243E-02	437648.2	3725639.8	211.9	0.00	1.42	1.42	YES		NO
L0000334	0	0.20243E-02	437650.5	3725641.7	212.0	0.00	1.42	1.42	YES		NO
L0000335	0	0.20243E-02	437652.8	3725643.7	212.1	0.00	1.42	1.42	YES		NO
L0000336	0	0.20243E-02	437655.1	3725645.7	212.2	0.00	1.42	1.42	YES		NO
L0000337	0	0.20243E-02	437657.4	3725647.7	212.4	0.00	1.42	1.42	YES		NO
L0000338	0	0.20243E-02	437659.8	3725649.6	212.5	0.00	1.42	1.42	YES		NO
L0000339	0	0.20243E-02	437662.1	3725651.6	212.6	0.00	1.42	1.42	YES		NO
L0000340	0	0.20243E-02	437664.4	3725653.6	212.8	0.00	1.42	1.42	YES		NO
L0000341	0	0.20243E-02	437666.7	3725655.6	213.0	0.00	1.42	1.42	YES		NO
L0000342	0	0.20243E-02	437669.0	3725657.5	213.2	0.00	1.42	1.42	YES		NO
L0000343	0	0.20243E-02	437671.4	3725659.5	213.4	0.00	1.42	1.42	YES		NO
L0000344	0	0.20243E-02	437673.7	3725661.5	213.6	0.00	1.42	1.42	YES		NO
L0000345	0	0.20243E-02	437676.0	3725663.5	213.8	0.00	1.42	1.42	YES		NO
L0000346	0	0.20243E-02	437678.3	3725665.5	214.0	0.00	1.42	1.42	YES		NO
L0000347	0	0.20243E-02	437680.6	3725667.4	214.1	0.00	1.42	1.42	YES		NO
L0000348	0	0.20243E-02	437683.0	3725669.4	214.3	0.00	1.42	1.42	YES		NO
L0000349	0	0.20243E-02	437685.3	3725671.4	214.5	0.00	1.42	1.42	YES		NO
L0000350	0	0.20243E-02	437687.6	3725673.4	214.7	0.00	1.42	1.42	YES		NO
L0000351	0	0.20243E-02	437689.9	3725675.3	214.9	0.00	1.42	1.42	YES		NO
L0000352	0	0.20243E-02	437692.2	3725677.3	215.1	0.00	1.42	1.42	YES		NO
L0000353	0	0.20243E-02	437694.5	3725679.3	215.3	0.00	1.42	1.42	YES		NO
L0000354	0	0.20243E-02	437696.8	3725681.3	215.5	0.00	1.42	1.42	YES		NO
L0000355	0	0.20243E-02	437699.1	3725683.3	215.7	0.00	1.42	1.42	YES		NO
L0000356	0	0.20243E-02	437701.4	3725685.3	215.9	0.00	1.42	1.42	YES		NO
L0000357	0	0.20243E-02	437703.7	3725687.3	216.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000358	0	0.20243E-02	437706.0	3725689.3	216.3	0.00	1.42	1.42	YES		NO
L0000359	0	0.20243E-02	437708.3	3725691.3	216.5	0.00	1.42	1.42	YES		NO
L0000360	0	0.20243E-02	437710.7	3725693.3	216.7	0.00	1.42	1.42	YES		NO
L0000361	0	0.20243E-02	437713.0	3725695.3	217.0	0.00	1.42	1.42	YES		NO
L0000362	0	0.20243E-02	437715.3	3725697.3	217.2	0.00	1.42	1.42	YES		NO
L0000363	0	0.20243E-02	437717.6	3725699.3	217.4	0.00	1.42	1.42	YES		NO
L0000364	0	0.20243E-02	437719.9	3725701.3	217.5	0.00	1.42	1.42	YES		NO
L0000365	0	0.20243E-02	437722.2	3725703.3	217.7	0.00	1.42	1.42	YES		NO
L0000366	0	0.20243E-02	437724.5	3725705.3	217.8	0.00	1.42	1.42	YES		NO
L0000367	0	0.20243E-02	437726.8	3725707.3	217.9	0.00	1.42	1.42	YES		NO
L0000368	0	0.20243E-02	437729.1	3725709.3	218.0	0.00	1.42	1.42	YES		NO
L0000369	0	0.20243E-02	437731.4	3725711.3	218.0	0.00	1.42	1.42	YES		NO
L0000370	0	0.20243E-02	437733.7	3725713.3	218.1	0.00	1.42	1.42	YES		NO
L0000371	0	0.20243E-02	437736.0	3725715.3	218.1	0.00	1.42	1.42	YES		NO
L0000372	0	0.20243E-02	437738.3	3725717.3	218.2	0.00	1.42	1.42	YES		NO
L0000373	0	0.20243E-02	437740.6	3725719.3	218.3	0.00	1.42	1.42	YES		NO
L0000374	0	0.20243E-02	437742.9	3725721.3	218.5	0.00	1.42	1.42	YES		NO
L0000375	0	0.20243E-02	437745.2	3725723.3	218.6	0.00	1.42	1.42	YES		NO
L0000376	0	0.20243E-02	437747.5	3725725.3	218.8	0.00	1.42	1.42	YES		NO
L0000377	0	0.20243E-02	437749.8	3725727.3	218.9	0.00	1.42	1.42	YES		NO
L0000378	0	0.20243E-02	437752.1	3725729.3	219.0	0.00	1.42	1.42	YES		NO
L0000379	0	0.20243E-02	437754.4	3725731.3	219.0	0.00	1.42	1.42	YES		NO
L0000380	0	0.20243E-02	437756.7	3725733.3	219.1	0.00	1.42	1.42	YES		NO
L0000381	0	0.20243E-02	437759.0	3725735.3	219.1	0.00	1.42	1.42	YES		NO
L0000382	0	0.20243E-02	437761.3	3725737.3	219.1	0.00	1.42	1.42	YES		NO
L0000383	0	0.20243E-02	437763.6	3725739.3	219.1	0.00	1.42	1.42	YES		NO
L0000384	0	0.20243E-02	437765.9	3725741.2	219.0	0.00	1.42	1.42	YES		NO
L0000385	0	0.20243E-02	437768.2	3725743.2	219.0	0.00	1.42	1.42	YES		NO
L0000386	0	0.20243E-02	437770.5	3725745.2	218.9	0.00	1.42	1.42	YES		NO
L0000387	0	0.20243E-02	437772.8	3725747.2	218.9	0.00	1.42	1.42	YES		NO
L0000388	0	0.20243E-02	437775.1	3725749.2	218.9	0.00	1.42	1.42	YES		NO
L0000389	0	0.20243E-02	437777.4	3725751.2	219.0	0.00	1.42	1.42	YES		NO
L0000390	0	0.20243E-02	437779.7	3725753.2	219.0	0.00	1.42	1.42	YES		NO
L0000391	0	0.20243E-02	437782.0	3725755.2	219.0	0.00	1.42	1.42	YES		NO
L0000392	0	0.20243E-02	437784.3	3725757.2	219.0	0.00	1.42	1.42	YES		NO
L0000393	0	0.20243E-02	437786.6	3725759.2	218.9	0.00	1.42	1.42	YES		NO
L0000394	0	0.20243E-02	437788.9	3725761.2	218.9	0.00	1.42	1.42	YES		NO
L0000395	0	0.20243E-02	437791.3	3725763.2	218.9	0.00	1.42	1.42	YES		NO
L0000396	0	0.20243E-02	437793.6	3725765.2	218.8	0.00	1.42	1.42	YES		NO
L0000397	0	0.20243E-02	437795.9	3725767.2	218.7	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000398	0	0.20243E-02	437798.2	3725769.2	218.7	0.00	1.42	1.42	YES		NO
L0000399	0	0.20243E-02	437800.5	3725771.2	218.6	0.00	1.42	1.42	YES		NO
L0000400	0	0.20243E-02	437802.8	3725773.2	218.6	0.00	1.42	1.42	YES		NO
L0000401	0	0.20243E-02	437805.1	3725775.1	218.6	0.00	1.42	1.42	YES		NO
L0000402	0	0.20243E-02	437807.4	3725777.1	218.5	0.00	1.42	1.42	YES		NO
L0000403	0	0.20243E-02	437809.7	3725779.1	218.5	0.00	1.42	1.42	YES		NO
L0000404	0	0.20243E-02	437812.0	3725781.1	218.4	0.00	1.42	1.42	YES		NO
L0000405	0	0.20243E-02	437814.3	3725783.1	218.4	0.00	1.42	1.42	YES		NO
L0000406	0	0.20243E-02	437816.6	3725785.1	218.3	0.00	1.42	1.42	YES		NO
L0000407	0	0.20243E-02	437818.9	3725787.1	218.2	0.00	1.42	1.42	YES		NO
L0000408	0	0.20243E-02	437821.2	3725789.1	218.1	0.00	1.42	1.42	YES		NO
L0000409	0	0.20243E-02	437823.5	3725791.1	218.0	0.00	1.42	1.42	YES		NO
L0000410	0	0.20243E-02	437825.8	3725793.1	217.9	0.00	1.42	1.42	YES		NO
L0000411	0	0.20243E-02	437828.2	3725795.1	217.8	0.00	1.42	1.42	YES		NO
L0000412	0	0.20243E-02	437830.5	3725797.1	217.7	0.00	1.42	1.42	YES		NO
L0000413	0	0.20243E-02	437832.8	3725799.1	217.6	0.00	1.42	1.42	YES		NO
L0000414	0	0.20243E-02	437835.1	3725801.1	217.6	0.00	1.42	1.42	YES		NO
L0000415	0	0.20243E-02	437837.4	3725803.0	217.6	0.00	1.42	1.42	YES		NO
L0000416	0	0.20243E-02	437839.7	3725805.0	217.6	0.00	1.42	1.42	YES		NO
L0000417	0	0.20243E-02	437842.0	3725807.0	217.6	0.00	1.42	1.42	YES		NO
L0000418	0	0.20243E-02	437844.3	3725809.0	217.6	0.00	1.42	1.42	YES		NO
L0000419	0	0.20243E-02	437846.6	3725811.0	217.6	0.00	1.42	1.42	YES		NO
L0000420	0	0.20243E-02	437848.9	3725813.0	217.6	0.00	1.42	1.42	YES		NO
L0000421	0	0.20243E-02	437851.2	3725815.0	217.6	0.00	1.42	1.42	YES		NO
L0000422	0	0.20243E-02	437853.5	3725817.0	217.6	0.00	1.42	1.42	YES		NO
L0000423	0	0.20243E-02	437855.8	3725819.0	217.6	0.00	1.42	1.42	YES		NO
L0000424	0	0.20243E-02	437858.1	3725821.0	217.5	0.00	1.42	1.42	YES		NO
L0000425	0	0.20243E-02	437860.4	3725823.0	217.5	0.00	1.42	1.42	YES		NO
L0000426	0	0.20243E-02	437862.7	3725825.0	217.5	0.00	1.42	1.42	YES		NO
L0000427	0	0.20243E-02	437865.1	3725827.0	217.5	0.00	1.42	1.42	YES		NO
L0000428	0	0.20243E-02	437867.4	3725829.0	217.5	0.00	1.42	1.42	YES		NO
L0000429	0	0.20243E-02	437869.7	3725831.0	217.5	0.00	1.42	1.42	YES		NO
L0000430	0	0.20243E-02	437872.0	3725833.0	217.5	0.00	1.42	1.42	YES		NO
L0000431	0	0.20243E-02	437874.3	3725835.0	217.5	0.00	1.42	1.42	YES		NO
L0000432	0	0.20243E-02	437876.6	3725837.0	217.5	0.00	1.42	1.42	YES		NO
L0000433	0	0.20243E-02	437878.9	3725839.0	217.4	0.00	1.42	1.42	YES		NO
L0000434	0	0.20243E-02	437881.2	3725841.0	217.4	0.00	1.42	1.42	YES		NO
L0000435	0	0.20243E-02	437883.5	3725843.0	217.4	0.00	1.42	1.42	YES		NO
L0000436	0	0.20243E-02	437885.8	3725844.9	217.4	0.00	1.42	1.42	YES		NO
L0000437	0	0.20243E-02	437888.1	3725846.9	217.4	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000438	0	0.20243E-02	437890.4	3725848.9	217.4	0.00	1.42	1.42	YES		NO
L0000439	0	0.20243E-02	437892.7	3725850.9	217.4	0.00	1.42	1.42	YES		NO
L0000440	0	0.20243E-02	437895.0	3725852.9	217.5	0.00	1.42	1.42	YES		NO
L0000441	0	0.20243E-02	437897.3	3725854.9	217.5	0.00	1.42	1.42	YES		NO
L0000442	0	0.20243E-02	437899.6	3725856.9	217.6	0.00	1.42	1.42	YES		NO
L0000443	0	0.20243E-02	437901.9	3725858.9	217.7	0.00	1.42	1.42	YES		NO
L0000444	0	0.20243E-02	437904.2	3725860.9	217.7	0.00	1.42	1.42	YES		NO
L0000445	0	0.20243E-02	437906.5	3725862.9	217.8	0.00	1.42	1.42	YES		NO
L0000446	0	0.20243E-02	437908.8	3725864.9	217.9	0.00	1.42	1.42	YES		NO
L0000447	0	0.20243E-02	437911.1	3725866.9	218.0	0.00	1.42	1.42	YES		NO
L0000448	0	0.20243E-02	437913.4	3725868.9	218.0	0.00	1.42	1.42	YES		NO
L0000449	0	0.20243E-02	437915.7	3725870.9	218.0	0.00	1.42	1.42	YES		NO
L0000450	0	0.20243E-02	437918.0	3725872.9	218.0	0.00	1.42	1.42	YES		NO
L0000451	0	0.20243E-02	437920.3	3725874.9	218.0	0.00	1.42	1.42	YES		NO
L0000452	0	0.20243E-02	437922.6	3725876.9	217.9	0.00	1.42	1.42	YES		NO
L0000453	0	0.20243E-02	437924.9	3725878.9	217.9	0.00	1.42	1.42	YES		NO
L0000454	0	0.20243E-02	437927.2	3725880.9	217.9	0.00	1.42	1.42	YES		NO
L0000455	0	0.20243E-02	437929.5	3725882.9	217.9	0.00	1.42	1.42	YES		NO
L0000456	0	0.20243E-02	437931.8	3725884.9	217.9	0.00	1.42	1.42	YES		NO
L0000457	0	0.20243E-02	437934.1	3725886.9	217.9	0.00	1.42	1.42	YES		NO
L0000458	0	0.20243E-02	437936.4	3725888.9	217.9	0.00	1.42	1.42	YES		NO
L0000459	0	0.20243E-02	437938.7	3725890.9	217.9	0.00	1.42	1.42	YES		NO
L0000460	0	0.20243E-02	437941.0	3725892.9	217.9	0.00	1.42	1.42	YES		NO
L0000461	0	0.20243E-02	437943.3	3725894.9	218.0	0.00	1.42	1.42	YES		NO
L0000462	0	0.20243E-02	437945.7	3725896.8	218.0	0.00	1.42	1.42	YES		NO
L0000463	0	0.20243E-02	437948.0	3725898.8	218.1	0.00	1.42	1.42	YES		NO
L0000464	0	0.20243E-02	437950.3	3725900.8	218.2	0.00	1.42	1.42	YES		NO
L0000465	0	0.20243E-02	437952.6	3725902.8	218.2	0.00	1.42	1.42	YES		NO
L0000466	0	0.20243E-02	437954.9	3725904.8	218.3	0.00	1.42	1.42	YES		NO
L0000467	0	0.20243E-02	437957.2	3725906.7	218.4	0.00	1.42	1.42	YES		NO
L0000468	0	0.20243E-02	437959.6	3725908.7	218.4	0.00	1.42	1.42	YES		NO
L0000469	0	0.20243E-02	437961.9	3725910.7	218.5	0.00	1.42	1.42	YES		NO
L0000470	0	0.20243E-02	437964.2	3725912.7	218.6	0.00	1.42	1.42	YES		NO
L0000471	0	0.20243E-02	437966.5	3725914.7	218.6	0.00	1.42	1.42	YES		NO
L0000472	0	0.20243E-02	437968.8	3725916.6	218.7	0.00	1.42	1.42	YES		NO
L0000473	0	0.20243E-02	437971.1	3725918.6	218.8	0.00	1.42	1.42	YES		NO
L0000474	0	0.20243E-02	437973.5	3725920.6	218.8	0.00	1.42	1.42	YES		NO
L0000475	0	0.20243E-02	437975.8	3725922.6	218.9	0.00	1.42	1.42	YES		NO
L0000476	0	0.20243E-02	437978.1	3725924.6	219.0	0.00	1.42	1.42	YES		NO
L0000477	0	0.20243E-02	437980.4	3725926.5	219.0	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000478	0	0.20243E-02	437982.7	3725928.5	219.3	0.00	1.42	1.42	YES		NO
L0000479	0	0.20243E-02	437985.1	3725930.5	219.5	0.00	1.42	1.42	YES		NO
L0000480	0	0.20243E-02	437987.4	3725932.5	219.8	0.00	1.42	1.42	YES		NO
L0000481	0	0.20243E-02	437989.7	3725934.5	220.0	0.00	1.42	1.42	YES		NO
L0000482	0	0.20243E-02	437992.0	3725936.4	220.3	0.00	1.42	1.42	YES		NO
L0000483	0	0.20243E-02	437994.3	3725938.4	220.6	0.00	1.42	1.42	YES		NO
L0000484	0	0.20243E-02	437996.6	3725940.4	221.0	0.00	1.42	1.42	YES		NO
L0000485	0	0.20243E-02	437999.0	3725942.4	221.3	0.00	1.42	1.42	YES		NO
L0000486	0	0.20243E-02	438001.3	3725944.4	221.7	0.00	1.42	1.42	YES		NO
L0000487	0	0.20243E-02	438003.6	3725946.3	222.1	0.00	1.42	1.42	YES		NO
L0000488	0	0.20243E-02	438005.9	3725948.3	222.5	0.00	1.42	1.42	YES		NO
L0000489	0	0.20243E-02	438008.2	3725950.3	223.0	0.00	1.42	1.42	YES		NO
L0000490	0	0.20243E-02	438010.5	3725952.3	223.4	0.00	1.42	1.42	YES		NO
L0000491	0	0.20243E-02	438012.9	3725954.3	223.8	0.00	1.42	1.42	YES		NO
L0000492	0	0.20243E-02	438015.2	3725956.2	224.2	0.00	1.42	1.42	YES		NO
L0000493	0	0.20243E-02	438017.5	3725958.2	224.5	0.00	1.42	1.42	YES		NO
L0000494	0	0.20243E-02	438019.8	3725960.2	224.9	0.00	1.42	1.42	YES		NO
L0000495	0	0.20243E-02	438022.1	3725962.2	225.2	0.00	1.42	1.42	YES		NO
L0000496	0	0.20243E-02	438024.4	3725964.2	225.6	0.00	1.42	1.42	YES		NO
L0000497	0	0.20243E-02	438026.8	3725966.1	225.9	0.00	1.42	1.42	YES		NO
L0000498	0	0.20243E-02	438029.1	3725968.1	226.2	0.00	1.42	1.42	YES		NO
L0000499	0	0.20243E-02	438031.4	3725970.1	226.6	0.00	1.42	1.42	YES		NO
L0000500	0	0.20243E-02	438033.7	3725972.1	226.9	0.00	1.42	1.42	YES		NO
L0000501	0	0.20243E-02	438036.0	3725974.1	227.3	0.00	1.42	1.42	YES		NO
L0000502	0	0.20243E-02	438038.4	3725976.0	227.6	0.00	1.42	1.42	YES		NO
L0000503	0	0.20243E-02	438040.7	3725978.0	227.9	0.00	1.42	1.42	YES		NO
L0000504	0	0.20243E-02	438043.0	3725980.0	228.1	0.00	1.42	1.42	YES		NO
L0000505	0	0.20243E-02	438045.3	3725982.0	228.3	0.00	1.42	1.42	YES		NO
L0000506	0	0.20243E-02	438047.6	3725984.0	228.4	0.00	1.42	1.42	YES		NO
L0000507	0	0.20243E-02	438049.9	3725985.9	228.6	0.00	1.42	1.42	YES		NO
L0000508	0	0.20243E-02	438052.3	3725987.9	228.8	0.00	1.42	1.42	YES		NO
L0000509	0	0.20243E-02	438054.6	3725989.9	229.0	0.00	1.42	1.42	YES		NO
L0000510	0	0.20243E-02	438056.9	3725991.9	229.2	0.00	1.42	1.42	YES		NO
L0000511	0	0.20243E-02	438059.2	3725993.9	229.4	0.00	1.42	1.42	YES		NO
L0000512	0	0.20243E-02	438061.5	3725995.8	229.6	0.00	1.42	1.42	YES		NO
L0000513	0	0.20243E-02	438063.8	3725997.8	229.8	0.00	1.42	1.42	YES		NO
L0000514	0	0.20243E-02	438066.2	3725999.8	229.9	0.00	1.42	1.42	YES		NO
L0000515	0	0.20243E-02	438068.5	3726001.8	230.1	0.00	1.42	1.42	YES		NO
L0000516	0	0.20243E-02	438070.8	3726003.8	230.2	0.00	1.42	1.42	YES		NO
L0000517	0	0.20243E-02	438073.1	3726005.7	230.2	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000518	0	0.20243E-02	438075.4	3726007.7	230.2	0.00	1.42	1.42	YES		NO
L0000519	0	0.20243E-02	438077.7	3726009.7	230.2	0.00	1.42	1.42	YES		NO
L0000520	0	0.20243E-02	438080.1	3726011.7	230.1	0.00	1.42	1.42	YES		NO
L0000521	0	0.20243E-02	438082.4	3726013.7	230.0	0.00	1.42	1.42	YES		NO
L0000522	0	0.20243E-02	438084.7	3726015.6	229.9	0.00	1.42	1.42	YES		NO
L0000523	0	0.20243E-02	438087.0	3726017.6	229.8	0.00	1.42	1.42	YES		NO
L0000524	0	0.20243E-02	438089.3	3726019.6	229.6	0.00	1.42	1.42	YES		NO
L0000525	0	0.20243E-02	438091.7	3726021.6	229.4	0.00	1.42	1.42	YES		NO
L0000526	0	0.20243E-02	438094.0	3726023.6	229.2	0.00	1.42	1.42	YES		NO
L0000527	0	0.20243E-02	438096.3	3726025.5	229.1	0.00	1.42	1.42	YES		NO
L0000528	0	0.20243E-02	438098.6	3726027.5	228.9	0.00	1.42	1.42	YES		NO
L0000529	0	0.20243E-02	438100.9	3726029.5	228.7	0.00	1.42	1.42	YES		NO
L0000530	0	0.20243E-02	438103.2	3726031.5	228.5	0.00	1.42	1.42	YES		NO
L0000531	0	0.20243E-02	438105.6	3726033.5	228.2	0.00	1.42	1.42	YES		NO
L0000532	0	0.20243E-02	438107.9	3726035.4	228.0	0.00	1.42	1.42	YES		NO
L0000533	0	0.20243E-02	438110.2	3726037.4	227.8	0.00	1.42	1.42	YES		NO
L0000534	0	0.20243E-02	438112.5	3726039.4	227.5	0.00	1.42	1.42	YES		NO
L0000535	0	0.20243E-02	438114.8	3726041.4	227.2	0.00	1.42	1.42	YES		NO
L0000536	0	0.20243E-02	438117.1	3726043.4	227.0	0.00	1.42	1.42	YES		NO
L0000537	0	0.20243E-02	438119.5	3726045.3	226.7	0.00	1.42	1.42	YES		NO
L0000538	0	0.20243E-02	438121.8	3726047.3	226.3	0.00	1.42	1.42	YES		NO
L0000539	0	0.20243E-02	438124.1	3726049.3	225.9	0.00	1.42	1.42	YES		NO
L0000540	0	0.20243E-02	438126.4	3726051.3	225.5	0.00	1.42	1.42	YES		NO
L0000541	0	0.20243E-02	438128.7	3726053.3	225.1	0.00	1.42	1.42	YES		NO
L0000542	0	0.20243E-02	438131.0	3726055.2	224.9	0.00	1.42	1.42	YES		NO
L0000543	0	0.20243E-02	438133.4	3726057.2	224.8	0.00	1.42	1.42	YES		NO
L0000544	0	0.20243E-02	438135.7	3726059.2	224.7	0.00	1.42	1.42	YES		NO
L0000545	0	0.20243E-02	438138.0	3726061.2	224.6	0.00	1.42	1.42	YES		NO
L0000546	0	0.20243E-02	438140.3	3726063.2	224.5	0.00	1.42	1.42	YES		NO
L0000547	0	0.20243E-02	438142.6	3726065.1	224.4	0.00	1.42	1.42	YES		NO
L0000548	0	0.20243E-02	438145.0	3726067.1	224.3	0.00	1.42	1.42	YES		NO
L0000549	0	0.20243E-02	438147.3	3726069.1	224.3	0.00	1.42	1.42	YES		NO
L0000550	0	0.20243E-02	438149.6	3726071.1	224.2	0.00	1.42	1.42	YES		NO
L0000551	0	0.20243E-02	438151.9	3726073.1	224.2	0.00	1.42	1.42	YES		NO
L0000552	0	0.20243E-02	438154.2	3726075.0	224.2	0.00	1.42	1.42	YES		NO
L0000553	0	0.20243E-02	438156.5	3726077.0	224.1	0.00	1.42	1.42	YES		NO
L0000554	0	0.20243E-02	438158.9	3726079.0	224.1	0.00	1.42	1.42	YES		NO
L0000555	0	0.20243E-02	438161.2	3726081.0	224.1	0.00	1.42	1.42	YES		NO
L0000556	0	0.20243E-02	438163.5	3726083.0	224.1	0.00	1.42	1.42	YES		NO
L0000557	0	0.20243E-02	438165.8	3726084.9	224.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000558	0	0.20243E-02	438168.1	3726086.9	224.1	0.00	1.42	1.42	YES		NO
L0000559	0	0.20243E-02	438170.4	3726088.9	224.1	0.00	1.42	1.42	YES		NO
L0000560	0	0.20243E-02	438172.8	3726090.9	224.1	0.00	1.42	1.42	YES		NO
L0000561	0	0.20243E-02	438175.1	3726092.9	224.0	0.00	1.42	1.42	YES		NO
L0000562	0	0.20243E-02	438177.4	3726094.8	224.0	0.00	1.42	1.42	YES		NO
L0000563	0	0.20243E-02	438179.7	3726096.8	224.0	0.00	1.42	1.42	YES		NO
L0000564	0	0.20243E-02	438182.0	3726098.8	224.0	0.00	1.42	1.42	YES		NO
L0000565	0	0.20243E-02	438184.3	3726100.8	224.0	0.00	1.42	1.42	YES		NO
L0000566	0	0.20243E-02	438186.7	3726102.8	224.0	0.00	1.42	1.42	YES		NO
L0000567	0	0.20243E-02	438189.0	3726104.7	224.0	0.00	1.42	1.42	YES		NO
L0000568	0	0.19841E-02	438179.5	3726114.3	224.6	0.00	1.42	1.42	YES		NO
L0000569	0	0.19841E-02	438177.2	3726112.3	224.6	0.00	1.42	1.42	YES		NO
L0000570	0	0.19841E-02	438174.9	3726110.3	224.6	0.00	1.42	1.42	YES		NO
L0000571	0	0.19841E-02	438172.6	3726108.3	224.6	0.00	1.42	1.42	YES		NO
L0000572	0	0.19841E-02	438170.3	3726106.3	224.7	0.00	1.42	1.42	YES		NO
L0000573	0	0.19841E-02	438168.0	3726104.3	224.7	0.00	1.42	1.42	YES		NO
L0000574	0	0.19841E-02	438165.7	3726102.3	224.7	0.00	1.42	1.42	YES		NO
L0000575	0	0.19841E-02	438163.4	3726100.3	224.7	0.00	1.42	1.42	YES		NO
L0000576	0	0.19841E-02	438161.1	3726098.3	224.7	0.00	1.42	1.42	YES		NO
L0000577	0	0.19841E-02	438158.8	3726096.3	224.7	0.00	1.42	1.42	YES		NO
L0000578	0	0.19841E-02	438156.5	3726094.3	224.8	0.00	1.42	1.42	YES		NO
L0000579	0	0.19841E-02	438154.2	3726092.3	224.8	0.00	1.42	1.42	YES		NO
L0000580	0	0.19841E-02	438151.8	3726090.3	224.9	0.00	1.42	1.42	YES		NO
L0000581	0	0.19841E-02	438149.5	3726088.4	224.9	0.00	1.42	1.42	YES		NO
L0000582	0	0.19841E-02	438147.2	3726086.4	224.9	0.00	1.42	1.42	YES		NO
L0000583	0	0.19841E-02	438144.9	3726084.4	224.9	0.00	1.42	1.42	YES		NO
L0000584	0	0.19841E-02	438142.6	3726082.4	224.9	0.00	1.42	1.42	YES		NO
L0000585	0	0.19841E-02	438140.3	3726080.4	224.9	0.00	1.42	1.42	YES		NO
L0000586	0	0.19841E-02	438138.0	3726078.4	224.9	0.00	1.42	1.42	YES		NO
L0000587	0	0.19841E-02	438135.7	3726076.4	224.8	0.00	1.42	1.42	YES		NO
L0000588	0	0.19841E-02	438133.4	3726074.4	224.9	0.00	1.42	1.42	YES		NO
L0000589	0	0.19841E-02	438131.1	3726072.4	224.9	0.00	1.42	1.42	YES		NO
L0000590	0	0.19841E-02	438128.8	3726070.4	225.1	0.00	1.42	1.42	YES		NO
L0000591	0	0.19841E-02	438126.5	3726068.4	225.4	0.00	1.42	1.42	YES		NO
L0000592	0	0.19841E-02	438124.2	3726066.4	225.8	0.00	1.42	1.42	YES		NO
L0000593	0	0.19841E-02	438121.9	3726064.4	226.1	0.00	1.42	1.42	YES		NO
L0000594	0	0.19841E-02	438119.6	3726062.4	226.5	0.00	1.42	1.42	YES		NO
L0000595	0	0.19841E-02	438117.3	3726060.5	226.9	0.00	1.42	1.42	YES		NO
L0000596	0	0.19841E-02	438115.0	3726058.5	227.2	0.00	1.42	1.42	YES		NO
L0000597	0	0.19841E-02	438112.6	3726056.5	227.6	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000598	0	0.19841E-02	438110.3	3726054.5	228.0	0.00	1.42	1.42	YES		NO
L0000599	0	0.19841E-02	438108.0	3726052.5	228.4	0.00	1.42	1.42	YES		NO
L0000600	0	0.19841E-02	438105.7	3726050.5	228.9	0.00	1.42	1.42	YES		NO
L0000601	0	0.19841E-02	438103.4	3726048.5	229.3	0.00	1.42	1.42	YES		NO
L0000602	0	0.19841E-02	438101.1	3726046.5	229.7	0.00	1.42	1.42	YES		NO
L0000603	0	0.19841E-02	438098.8	3726044.5	230.0	0.00	1.42	1.42	YES		NO
L0000604	0	0.19841E-02	438096.5	3726042.5	230.2	0.00	1.42	1.42	YES		NO
L0000605	0	0.19841E-02	438094.2	3726040.5	230.4	0.00	1.42	1.42	YES		NO
L0000606	0	0.19841E-02	438091.9	3726038.5	230.5	0.00	1.42	1.42	YES		NO
L0000607	0	0.19841E-02	438089.6	3726036.5	230.7	0.00	1.42	1.42	YES		NO
L0000608	0	0.19841E-02	438087.3	3726034.5	230.9	0.00	1.42	1.42	YES		NO
L0000609	0	0.19841E-02	438085.0	3726032.5	231.0	0.00	1.42	1.42	YES		NO
L0000610	0	0.19841E-02	438082.7	3726030.6	231.2	0.00	1.42	1.42	YES		NO
L0000611	0	0.19841E-02	438080.4	3726028.6	231.4	0.00	1.42	1.42	YES		NO
L0000612	0	0.19841E-02	438078.1	3726026.6	231.6	0.00	1.42	1.42	YES		NO
L0000613	0	0.19841E-02	438075.7	3726024.6	231.7	0.00	1.42	1.42	YES		NO
L0000614	0	0.19841E-02	438073.4	3726022.6	231.9	0.00	1.42	1.42	YES		NO
L0000615	0	0.19841E-02	438071.1	3726020.6	232.1	0.00	1.42	1.42	YES		NO
L0000616	0	0.19841E-02	438068.8	3726018.6	232.2	0.00	1.42	1.42	YES		NO
L0000617	0	0.19841E-02	438066.5	3726016.6	232.1	0.00	1.42	1.42	YES		NO
L0000618	0	0.19841E-02	438064.2	3726014.6	232.0	0.00	1.42	1.42	YES		NO
L0000619	0	0.19841E-02	438061.9	3726012.6	231.8	0.00	1.42	1.42	YES		NO
L0000620	0	0.19841E-02	438059.6	3726010.6	231.6	0.00	1.42	1.42	YES		NO
L0000621	0	0.19841E-02	438057.3	3726008.6	231.4	0.00	1.42	1.42	YES		NO
L0000622	0	0.19841E-02	438055.0	3726006.6	231.2	0.00	1.42	1.42	YES		NO
L0000623	0	0.19841E-02	438052.7	3726004.6	231.0	0.00	1.42	1.42	YES		NO
L0000624	0	0.19841E-02	438050.4	3726002.6	230.8	0.00	1.42	1.42	YES		NO
L0000625	0	0.19841E-02	438048.1	3726000.7	230.7	0.00	1.42	1.42	YES		NO
L0000626	0	0.19841E-02	438045.8	3725998.7	230.5	0.00	1.42	1.42	YES		NO
L0000627	0	0.19841E-02	438043.5	3725996.7	230.3	0.00	1.42	1.42	YES		NO
L0000628	0	0.19841E-02	438041.2	3725994.7	230.1	0.00	1.42	1.42	YES		NO
L0000629	0	0.19841E-02	438038.9	3725992.7	229.9	0.00	1.42	1.42	YES		NO
L0000630	0	0.19841E-02	438036.5	3725990.7	229.5	0.00	1.42	1.42	YES		NO
L0000631	0	0.19841E-02	438034.2	3725988.7	229.2	0.00	1.42	1.42	YES		NO
L0000632	0	0.19841E-02	438031.9	3725986.7	228.8	0.00	1.42	1.42	YES		NO
L0000633	0	0.19841E-02	438029.6	3725984.7	228.5	0.00	1.42	1.42	YES		NO
L0000634	0	0.19841E-02	438027.3	3725982.7	228.1	0.00	1.42	1.42	YES		NO
L0000635	0	0.19841E-02	438025.0	3725980.7	227.8	0.00	1.42	1.42	YES		NO
L0000636	0	0.19841E-02	438022.7	3725978.7	227.5	0.00	1.42	1.42	YES		NO
L0000637	0	0.19841E-02	438020.4	3725976.7	227.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000638	0	0.19841E-02	438018.1	3725974.7	226.8	0.00	1.42	1.42	YES		NO
L0000639	0	0.19841E-02	438015.8	3725972.8	226.4	0.00	1.42	1.42	YES		NO
L0000640	0	0.19841E-02	438013.5	3725970.8	226.1	0.00	1.42	1.42	YES		NO
L0000641	0	0.19841E-02	438011.2	3725968.8	225.7	0.00	1.42	1.42	YES		NO
L0000642	0	0.19841E-02	438008.9	3725966.8	225.4	0.00	1.42	1.42	YES		NO
L0000643	0	0.19841E-02	438006.6	3725964.8	224.9	0.00	1.42	1.42	YES		NO
L0000644	0	0.19841E-02	438004.3	3725962.8	224.5	0.00	1.42	1.42	YES		NO
L0000645	0	0.19841E-02	438002.0	3725960.8	224.1	0.00	1.42	1.42	YES		NO
L0000646	0	0.19841E-02	437999.7	3725958.8	223.7	0.00	1.42	1.42	YES		NO
L0000647	0	0.19841E-02	437997.3	3725956.8	223.3	0.00	1.42	1.42	YES		NO
L0000648	0	0.19841E-02	437995.0	3725954.8	222.9	0.00	1.42	1.42	YES		NO
L0000649	0	0.19841E-02	437992.7	3725952.8	222.5	0.00	1.42	1.42	YES		NO
L0000650	0	0.19841E-02	437990.4	3725950.8	222.1	0.00	1.42	1.42	YES		NO
L0000651	0	0.19841E-02	437988.1	3725948.8	221.7	0.00	1.42	1.42	YES		NO
L0000652	0	0.19841E-02	437985.8	3725946.8	221.4	0.00	1.42	1.42	YES		NO
L0000653	0	0.19841E-02	437983.5	3725944.8	221.0	0.00	1.42	1.42	YES		NO
L0000654	0	0.19841E-02	437981.2	3725942.9	220.7	0.00	1.42	1.42	YES		NO
L0000655	0	0.19841E-02	437978.9	3725940.9	220.5	0.00	1.42	1.42	YES		NO
L0000656	0	0.19841E-02	437976.6	3725938.9	220.2	0.00	1.42	1.42	YES		NO
L0000657	0	0.19841E-02	437974.3	3725936.9	220.0	0.00	1.42	1.42	YES		NO
L0000658	0	0.19841E-02	437972.0	3725934.9	219.7	0.00	1.42	1.42	YES		NO
L0000659	0	0.19841E-02	437969.7	3725932.9	219.5	0.00	1.42	1.42	YES		NO
L0000660	0	0.19841E-02	437967.4	3725930.9	219.4	0.00	1.42	1.42	YES		NO
L0000661	0	0.19841E-02	437965.1	3725928.9	219.2	0.00	1.42	1.42	YES		NO
L0000662	0	0.19841E-02	437962.8	3725926.9	219.1	0.00	1.42	1.42	YES		NO
L0000663	0	0.19841E-02	437960.5	3725924.9	219.0	0.00	1.42	1.42	YES		NO
L0000664	0	0.19841E-02	437958.1	3725922.9	218.9	0.00	1.42	1.42	YES		NO
L0000665	0	0.19841E-02	437955.8	3725920.9	218.8	0.00	1.42	1.42	YES		NO
L0000666	0	0.19841E-02	437953.5	3725918.9	218.8	0.00	1.42	1.42	YES		NO
L0000667	0	0.19841E-02	437951.2	3725916.9	218.7	0.00	1.42	1.42	YES		NO
L0000668	0	0.19841E-02	437948.9	3725914.9	218.6	0.00	1.42	1.42	YES		NO
L0000669	0	0.19841E-02	437946.6	3725913.0	218.5	0.00	1.42	1.42	YES		NO
L0000670	0	0.19841E-02	437944.3	3725911.0	218.4	0.00	1.42	1.42	YES		NO
L0000671	0	0.19841E-02	437942.0	3725909.0	218.3	0.00	1.42	1.42	YES		NO
L0000672	0	0.19841E-02	437939.7	3725907.0	218.2	0.00	1.42	1.42	YES		NO
L0000673	0	0.19841E-02	437937.4	3725905.0	218.2	0.00	1.42	1.42	YES		NO
L0000674	0	0.19841E-02	437935.1	3725903.0	218.1	0.00	1.42	1.42	YES		NO
L0000675	0	0.19841E-02	437932.8	3725901.0	218.1	0.00	1.42	1.42	YES		NO
L0000676	0	0.19841E-02	437930.5	3725899.0	218.0	0.00	1.42	1.42	YES		NO
L0000677	0	0.19841E-02	437928.2	3725897.0	218.0	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000678	0	0.19841E-02	437925.9	3725895.0	218.0	0.00	1.42	1.42	YES		NO
L0000679	0	0.19841E-02	437923.6	3725893.0	218.0	0.00	1.42	1.42	YES		NO
L0000680	0	0.19841E-02	437921.2	3725891.0	218.0	0.00	1.42	1.42	YES		NO
L0000681	0	0.19841E-02	437918.9	3725889.0	218.0	0.00	1.42	1.42	YES		NO
L0000682	0	0.19841E-02	437916.6	3725887.0	218.1	0.00	1.42	1.42	YES		NO
L0000683	0	0.19841E-02	437914.3	3725885.1	218.1	0.00	1.42	1.42	YES		NO
L0000684	0	0.19841E-02	437912.0	3725883.1	218.1	0.00	1.42	1.42	YES		NO
L0000685	0	0.19841E-02	437909.7	3725881.1	218.2	0.00	1.42	1.42	YES		NO
L0000686	0	0.19841E-02	437907.4	3725879.1	218.2	0.00	1.42	1.42	YES		NO
L0000687	0	0.19841E-02	437905.1	3725877.1	218.2	0.00	1.42	1.42	YES		NO
L0000688	0	0.19841E-02	437902.8	3725875.1	218.2	0.00	1.42	1.42	YES		NO
L0000689	0	0.19841E-02	437900.5	3725873.1	218.2	0.00	1.42	1.42	YES		NO
L0000690	0	0.19841E-02	437898.2	3725871.1	218.1	0.00	1.42	1.42	YES		NO
L0000691	0	0.19841E-02	437896.0	3725869.0	218.1	0.00	1.42	1.42	YES		NO
L0000692	0	0.19841E-02	437893.7	3725867.0	218.0	0.00	1.42	1.42	YES		NO
L0000693	0	0.19841E-02	437891.4	3725865.0	218.0	0.00	1.42	1.42	YES		NO
L0000694	0	0.19841E-02	437889.1	3725862.9	217.9	0.00	1.42	1.42	YES		NO
L0000695	0	0.19841E-02	437886.9	3725860.9	217.8	0.00	1.42	1.42	YES		NO
L0000696	0	0.19841E-02	437884.6	3725858.9	217.8	0.00	1.42	1.42	YES		NO
L0000697	0	0.19841E-02	437882.3	3725856.8	217.8	0.00	1.42	1.42	YES		NO
L0000698	0	0.19841E-02	437880.1	3725854.8	217.7	0.00	1.42	1.42	YES		NO
L0000699	0	0.19841E-02	437877.8	3725852.8	217.7	0.00	1.42	1.42	YES		NO
L0000700	0	0.19841E-02	437875.5	3725850.7	217.7	0.00	1.42	1.42	YES		NO
L0000701	0	0.19841E-02	437873.2	3725848.7	217.7	0.00	1.42	1.42	YES		NO
L0000702	0	0.19841E-02	437871.0	3725846.7	217.8	0.00	1.42	1.42	YES		NO
L0000703	0	0.19841E-02	437868.7	3725844.6	217.8	0.00	1.42	1.42	YES		NO
L0000704	0	0.19841E-02	437866.4	3725842.6	217.8	0.00	1.42	1.42	YES		NO
L0000705	0	0.19841E-02	437864.1	3725840.6	217.9	0.00	1.42	1.42	YES		NO
L0000706	0	0.19841E-02	437861.8	3725838.6	217.9	0.00	1.42	1.42	YES		NO
L0000707	0	0.19841E-02	437859.5	3725836.7	218.0	0.00	1.42	1.42	YES		NO
L0000708	0	0.19841E-02	437857.2	3725834.7	218.0	0.00	1.42	1.42	YES		NO
L0000709	0	0.19841E-02	437854.9	3725832.7	218.0	0.00	1.42	1.42	YES		NO
L0000710	0	0.19841E-02	437852.6	3725830.7	218.1	0.00	1.42	1.42	YES		NO
L0000711	0	0.19841E-02	437850.2	3725828.7	218.1	0.00	1.42	1.42	YES		NO
L0000712	0	0.19841E-02	437847.9	3725826.7	218.1	0.00	1.42	1.42	YES		NO
L0000713	0	0.19841E-02	437845.6	3725824.7	218.1	0.00	1.42	1.42	YES		NO
L0000714	0	0.19841E-02	437843.3	3725822.7	218.1	0.00	1.42	1.42	YES		NO
L0000715	0	0.19841E-02	437841.0	3725820.7	218.1	0.00	1.42	1.42	YES		NO
L0000716	0	0.19841E-02	437838.7	3725818.8	218.1	0.00	1.42	1.42	YES		NO
L0000717	0	0.19841E-02	437836.4	3725816.8	218.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000718	0	0.19841E-02	437834.1	3725814.8	218.1	0.00	1.42	1.42	YES		NO
L0000719	0	0.19841E-02	437831.8	3725812.8	218.2	0.00	1.42	1.42	YES		NO
L0000720	0	0.19841E-02	437829.4	3725810.8	218.2	0.00	1.42	1.42	YES		NO
L0000721	0	0.19841E-02	437827.1	3725808.8	218.4	0.00	1.42	1.42	YES		NO
L0000722	0	0.19841E-02	437824.8	3725806.8	218.5	0.00	1.42	1.42	YES		NO
L0000723	0	0.19841E-02	437822.5	3725804.8	218.7	0.00	1.42	1.42	YES		NO
L0000724	0	0.19841E-02	437820.2	3725802.9	218.8	0.00	1.42	1.42	YES		NO
L0000725	0	0.19841E-02	437817.9	3725800.9	218.9	0.00	1.42	1.42	YES		NO
L0000726	0	0.19841E-02	437815.6	3725798.9	219.1	0.00	1.42	1.42	YES		NO
L0000727	0	0.19841E-02	437813.3	3725796.9	219.2	0.00	1.42	1.42	YES		NO
L0000728	0	0.19841E-02	437811.0	3725794.9	219.3	0.00	1.42	1.42	YES		NO
L0000729	0	0.19841E-02	437808.7	3725792.9	219.4	0.00	1.42	1.42	YES		NO
L0000730	0	0.19841E-02	437806.3	3725790.9	219.4	0.00	1.42	1.42	YES		NO
L0000731	0	0.19841E-02	437804.0	3725788.9	219.5	0.00	1.42	1.42	YES		NO
L0000732	0	0.19841E-02	437801.7	3725786.9	219.6	0.00	1.42	1.42	YES		NO
L0000733	0	0.19841E-02	437799.4	3725785.0	219.6	0.00	1.42	1.42	YES		NO
L0000734	0	0.19841E-02	437797.1	3725783.0	219.7	0.00	1.42	1.42	YES		NO
L0000735	0	0.19841E-02	437794.8	3725781.0	219.8	0.00	1.42	1.42	YES		NO
L0000736	0	0.19841E-02	437792.5	3725779.0	219.9	0.00	1.42	1.42	YES		NO
L0000737	0	0.19841E-02	437790.2	3725777.0	220.0	0.00	1.42	1.42	YES		NO
L0000738	0	0.19841E-02	437787.9	3725775.0	220.1	0.00	1.42	1.42	YES		NO
L0000739	0	0.19841E-02	437785.6	3725773.0	220.2	0.00	1.42	1.42	YES		NO
L0000740	0	0.19841E-02	437783.2	3725771.0	220.2	0.00	1.42	1.42	YES		NO
L0000741	0	0.19841E-02	437780.9	3725769.1	220.2	0.00	1.42	1.42	YES		NO
L0000742	0	0.19841E-02	437778.6	3725767.1	220.3	0.00	1.42	1.42	YES		NO
L0000743	0	0.19841E-02	437776.3	3725765.1	220.3	0.00	1.42	1.42	YES		NO
L0000744	0	0.19841E-02	437774.0	3725763.1	220.3	0.00	1.42	1.42	YES		NO
L0000745	0	0.19841E-02	437771.7	3725761.1	220.3	0.00	1.42	1.42	YES		NO
L0000746	0	0.19841E-02	437769.4	3725759.1	220.3	0.00	1.42	1.42	YES		NO
L0000747	0	0.19841E-02	437767.1	3725757.1	220.3	0.00	1.42	1.42	YES		NO
L0000748	0	0.19841E-02	437764.8	3725755.1	220.2	0.00	1.42	1.42	YES		NO
L0000749	0	0.19841E-02	437762.5	3725753.1	220.2	0.00	1.42	1.42	YES		NO
L0000750	0	0.19841E-02	437760.1	3725751.2	220.1	0.00	1.42	1.42	YES		NO
L0000751	0	0.19841E-02	437757.8	3725749.2	220.1	0.00	1.42	1.42	YES		NO
L0000752	0	0.19841E-02	437755.5	3725747.2	220.0	0.00	1.42	1.42	YES		NO
L0000753	0	0.19841E-02	437753.2	3725745.2	220.0	0.00	1.42	1.42	YES		NO
L0000754	0	0.19841E-02	437750.9	3725743.2	220.0	0.00	1.42	1.42	YES		NO
L0000755	0	0.19841E-02	437748.6	3725741.2	220.0	0.00	1.42	1.42	YES		NO
L0000756	0	0.19841E-02	437746.3	3725739.2	220.0	0.00	1.42	1.42	YES		NO
L0000757	0	0.19841E-02	437744.0	3725737.2	219.9	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000758	0	0.19841E-02	437741.7	3725735.3	219.8	0.00	1.42	1.42	YES		NO
L0000759	0	0.19841E-02	437739.4	3725733.3	219.7	0.00	1.42	1.42	YES		NO
L0000760	0	0.19841E-02	437737.0	3725731.3	219.6	0.00	1.42	1.42	YES		NO
L0000761	0	0.19841E-02	437734.7	3725729.3	219.5	0.00	1.42	1.42	YES		NO
L0000762	0	0.19841E-02	437732.4	3725727.3	219.4	0.00	1.42	1.42	YES		NO
L0000763	0	0.19841E-02	437730.1	3725725.3	219.2	0.00	1.42	1.42	YES		NO
L0000764	0	0.19841E-02	437727.8	3725723.3	219.1	0.00	1.42	1.42	YES		NO
L0000765	0	0.19841E-02	437725.5	3725721.3	219.0	0.00	1.42	1.42	YES		NO
L0000766	0	0.19841E-02	437723.2	3725719.3	218.9	0.00	1.42	1.42	YES		NO
L0000767	0	0.19841E-02	437720.9	3725717.4	218.8	0.00	1.42	1.42	YES		NO
L0000768	0	0.19841E-02	437718.6	3725715.4	218.6	0.00	1.42	1.42	YES		NO
L0000769	0	0.19841E-02	437716.2	3725713.4	218.5	0.00	1.42	1.42	YES		NO
L0000770	0	0.19841E-02	437713.9	3725711.4	218.4	0.00	1.42	1.42	YES		NO
L0000771	0	0.19841E-02	437711.6	3725709.4	218.3	0.00	1.42	1.42	YES		NO
L0000772	0	0.19841E-02	437709.3	3725707.4	218.1	0.00	1.42	1.42	YES		NO
L0000773	0	0.19841E-02	437707.0	3725705.4	218.0	0.00	1.42	1.42	YES		NO
L0000774	0	0.19841E-02	437704.7	3725703.4	217.8	0.00	1.42	1.42	YES		NO
L0000775	0	0.19841E-02	437702.4	3725701.4	217.7	0.00	1.42	1.42	YES		NO
L0000776	0	0.19841E-02	437700.1	3725699.4	217.5	0.00	1.42	1.42	YES		NO
L0000777	0	0.19841E-02	437697.8	3725697.4	217.3	0.00	1.42	1.42	YES		NO
L0000778	0	0.19841E-02	437695.5	3725695.4	217.1	0.00	1.42	1.42	YES		NO
L0000779	0	0.19841E-02	437693.2	3725693.4	216.9	0.00	1.42	1.42	YES		NO
L0000780	0	0.19841E-02	437690.9	3725691.4	216.6	0.00	1.42	1.42	YES		NO
L0000781	0	0.19841E-02	437688.6	3725689.4	216.4	0.00	1.42	1.42	YES		NO
L0000782	0	0.19841E-02	437686.3	3725687.4	216.2	0.00	1.42	1.42	YES		NO
L0000783	0	0.19841E-02	437684.0	3725685.4	215.9	0.00	1.42	1.42	YES		NO
L0000784	0	0.19841E-02	437681.7	3725683.4	215.7	0.00	1.42	1.42	YES		NO
L0000785	0	0.19841E-02	437679.4	3725681.4	215.5	0.00	1.42	1.42	YES		NO
L0000786	0	0.19841E-02	437677.1	3725679.4	215.5	0.00	1.42	1.42	YES		NO
L0000787	0	0.19841E-02	437674.8	3725677.4	215.4	0.00	1.42	1.42	YES		NO
L0000788	0	0.19841E-02	437672.5	3725675.4	215.2	0.00	1.42	1.42	YES		NO
L0000789	0	0.19841E-02	437670.2	3725673.5	215.1	0.00	1.42	1.42	YES		NO
L0000790	0	0.19841E-02	437667.9	3725671.5	214.9	0.00	1.42	1.42	YES		NO
L0000791	0	0.19841E-02	437665.6	3725669.5	214.8	0.00	1.42	1.42	YES		NO
L0000792	0	0.19841E-02	437663.3	3725667.5	214.5	0.00	1.42	1.42	YES		NO
L0000793	0	0.19841E-02	437661.0	3725665.5	214.3	0.00	1.42	1.42	YES		NO
L0000794	0	0.19841E-02	437658.7	3725663.5	214.1	0.00	1.42	1.42	YES		NO
L0000795	0	0.19841E-02	437656.4	3725661.5	213.8	0.00	1.42	1.42	YES		NO
L0000796	0	0.19841E-02	437654.1	3725659.5	213.5	0.00	1.42	1.42	YES		NO
L0000797	0	0.19841E-02	437651.8	3725657.5	213.2	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000798	0	0.19841E-02	437649.5	3725655.5	213.0	0.00	1.42	1.42	YES		NO
L0000799	0	0.19841E-02	437647.2	3725653.5	212.9	0.00	1.42	1.42	YES		NO
L0000800	0	0.19841E-02	437644.9	3725651.5	212.8	0.00	1.42	1.42	YES		NO
L0000801	0	0.19841E-02	437642.4	3725649.6	212.8	0.00	1.42	1.42	YES		NO
L0000802	0	0.19841E-02	437640.0	3725647.7	212.7	0.00	1.42	1.42	YES		NO
L0000803	0	0.19841E-02	437637.6	3725645.9	212.6	0.00	1.42	1.42	YES		NO
L0000804	0	0.19841E-02	437635.2	3725644.0	212.5	0.00	1.42	1.42	YES		NO
L0000805	0	0.19841E-02	437632.8	3725642.1	212.4	0.00	1.42	1.42	YES		NO
L0000806	0	0.19841E-02	437630.4	3725640.3	212.2	0.00	1.42	1.42	YES		NO
L0000807	0	0.19841E-02	437628.0	3725638.4	212.1	0.00	1.42	1.42	YES		NO
L0000808	0	0.19841E-02	437625.6	3725636.5	212.0	0.00	1.42	1.42	YES		NO
L0000809	0	0.19841E-02	437623.2	3725634.6	211.8	0.00	1.42	1.42	YES		NO
L0000810	0	0.19841E-02	437620.8	3725632.8	211.7	0.00	1.42	1.42	YES		NO
L0000811	0	0.19841E-02	437618.4	3725630.9	211.5	0.00	1.42	1.42	YES		NO
L0000812	0	0.19841E-02	437616.0	3725629.0	211.3	0.00	1.42	1.42	YES		NO
L0000813	0	0.19841E-02	437613.6	3725627.2	211.1	0.00	1.42	1.42	YES		NO
L0000814	0	0.19841E-02	437611.2	3725625.3	210.9	0.00	1.42	1.42	YES		NO
L0000815	0	0.19841E-02	437608.8	3725623.4	210.8	0.00	1.42	1.42	YES		NO
L0000816	0	0.19841E-02	437606.4	3725621.5	210.7	0.00	1.42	1.42	YES		NO
L0000817	0	0.19841E-02	437604.0	3725619.7	210.6	0.00	1.42	1.42	YES		NO
L0000818	0	0.19841E-02	437601.5	3725617.8	210.5	0.00	1.42	1.42	YES		NO
L0000819	0	0.19841E-02	437599.1	3725615.9	210.3	0.00	1.42	1.42	YES		NO
L0000820	0	0.19841E-02	437596.7	3725614.2	210.2	0.00	1.42	1.42	YES		NO
L0000821	0	0.19841E-02	437594.1	3725612.5	210.1	0.00	1.42	1.42	YES		NO
L0000822	0	0.19841E-02	437591.5	3725610.9	210.0	0.00	1.42	1.42	YES		NO
L0000823	0	0.19841E-02	437589.0	3725609.2	209.9	0.00	1.42	1.42	YES		NO
L0000824	0	0.19841E-02	437586.4	3725607.6	210.0	0.00	1.42	1.42	YES		NO
L0000825	0	0.19841E-02	437583.8	3725606.0	210.0	0.00	1.42	1.42	YES		NO
L0000826	0	0.19841E-02	437581.2	3725604.3	210.1	0.00	1.42	1.42	YES		NO
L0000827	0	0.19841E-02	437578.7	3725602.7	210.2	0.00	1.42	1.42	YES		NO
L0000828	0	0.19841E-02	437576.1	3725601.0	210.2	0.00	1.42	1.42	YES		NO
L0000829	0	0.19841E-02	437573.5	3725599.4	210.3	0.00	1.42	1.42	YES		NO
L0000830	0	0.19841E-02	437571.0	3725597.8	210.4	0.00	1.42	1.42	YES		NO
L0000831	0	0.19841E-02	437568.4	3725596.1	210.4	0.00	1.42	1.42	YES		NO
L0000832	0	0.19841E-02	437565.8	3725594.6	210.4	0.00	1.42	1.42	YES		NO
L0000833	0	0.19841E-02	437563.2	3725593.0	210.5	0.00	1.42	1.42	YES		NO
L0000834	0	0.19841E-02	437560.5	3725591.5	210.5	0.00	1.42	1.42	YES		NO
L0000835	0	0.19841E-02	437557.9	3725590.0	210.6	0.00	1.42	1.42	YES		NO
L0000836	0	0.19841E-02	437555.2	3725588.4	210.7	0.00	1.42	1.42	YES		NO
L0000837	0	0.19841E-02	437552.6	3725586.9	210.8	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000838	0	0.19841E-02	437550.0	3725585.4	210.9	0.00	1.42	1.42	YES		NO
L0000839	0	0.19841E-02	437547.3	3725583.9	211.0	0.00	1.42	1.42	YES		NO
L0000840	0	0.19841E-02	437544.7	3725582.3	211.1	0.00	1.42	1.42	YES		NO
L0000841	0	0.19841E-02	437542.1	3725580.8	211.2	0.00	1.42	1.42	YES		NO
L0000842	0	0.19841E-02	437539.4	3725579.3	211.3	0.00	1.42	1.42	YES		NO
L0000843	0	0.19841E-02	437536.8	3725577.8	211.5	0.00	1.42	1.42	YES		NO
L0000844	0	0.19841E-02	437534.1	3725576.2	211.6	0.00	1.42	1.42	YES		NO
L0000845	0	0.19841E-02	437531.5	3725574.7	211.7	0.00	1.42	1.42	YES		NO
L0000846	0	0.19841E-02	437528.9	3725573.2	211.8	0.00	1.42	1.42	YES		NO
L0000847	0	0.19841E-02	437526.2	3725571.6	211.8	0.00	1.42	1.42	YES		NO
L0000848	0	0.19841E-02	437523.6	3725570.1	211.8	0.00	1.42	1.42	YES		NO
L0000849	0	0.19841E-02	437521.0	3725568.6	211.8	0.00	1.42	1.42	YES		NO
L0000850	0	0.19841E-02	437518.3	3725567.1	211.9	0.00	1.42	1.42	YES		NO
L0000851	0	0.19841E-02	437515.6	3725565.7	211.9	0.00	1.42	1.42	YES		NO
L0000852	0	0.19841E-02	437512.8	3725564.4	212.0	0.00	1.42	1.42	YES		NO
L0000853	0	0.19841E-02	437510.1	3725563.1	212.1	0.00	1.42	1.42	YES		NO
L0000854	0	0.19841E-02	437507.3	3725561.9	212.2	0.00	1.42	1.42	YES		NO
L0000855	0	0.19841E-02	437504.5	3725560.6	212.3	0.00	1.42	1.42	YES		NO
L0000856	0	0.19841E-02	437501.7	3725559.4	212.4	0.00	1.42	1.42	YES		NO
L0000857	0	0.19841E-02	437498.9	3725558.1	212.5	0.00	1.42	1.42	YES		NO
L0000858	0	0.19841E-02	437496.1	3725556.9	212.7	0.00	1.42	1.42	YES		NO
L0000859	0	0.19841E-02	437493.3	3725555.7	212.9	0.00	1.42	1.42	YES		NO
L0000860	0	0.19841E-02	437490.5	3725554.6	213.1	0.00	1.42	1.42	YES		NO
L0000861	0	0.19841E-02	437487.7	3725553.4	213.3	0.00	1.42	1.42	YES		NO
L0000862	0	0.19841E-02	437484.9	3725552.2	213.5	0.00	1.42	1.42	YES		NO
L0000863	0	0.19841E-02	437482.1	3725551.0	213.7	0.00	1.42	1.42	YES		NO
L0000864	0	0.19841E-02	437479.3	3725549.8	213.9	0.00	1.42	1.42	YES		NO
L0000865	0	0.19841E-02	437476.5	3725548.6	214.1	0.00	1.42	1.42	YES		NO
L0000866	0	0.19841E-02	437473.7	3725547.4	214.4	0.00	1.42	1.42	YES		NO
L0000867	0	0.19841E-02	437470.9	3725546.2	214.6	0.00	1.42	1.42	YES		NO
L0000868	0	0.19841E-02	437468.1	3725545.1	214.8	0.00	1.42	1.42	YES		NO
L0000869	0	0.19841E-02	437465.3	3725543.7	215.1	0.00	1.42	1.42	YES		NO
L0000870	0	0.19841E-02	437462.6	3725542.3	215.3	0.00	1.42	1.42	YES		NO
L0000871	0	0.19841E-02	437459.9	3725540.9	215.6	0.00	1.42	1.42	YES		NO
L0000872	0	0.19841E-02	437457.2	3725539.5	215.9	0.00	1.42	1.42	YES		NO
L0000873	0	0.19841E-02	437454.5	3725538.1	216.2	0.00	1.42	1.42	YES		NO
L0000874	0	0.19841E-02	437452.0	3725536.4	216.4	0.00	1.42	1.42	YES		NO
L0000875	0	0.19841E-02	437449.5	3725534.6	216.5	0.00	1.42	1.42	YES		NO
L0000876	0	0.19841E-02	437446.6	3725533.8	216.7	0.00	1.42	1.42	YES		NO
L0000877	0	0.19841E-02	437443.6	3725533.1	217.0	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000878	0	0.19841E-02	437440.7	3725532.4	217.2	0.00	1.42	1.42	YES		NO
L0000879	0	0.19841E-02	437437.7	3725531.7	217.4	0.00	1.42	1.42	YES		NO
L0000880	0	0.19841E-02	437434.8	3725531.0	217.5	0.00	1.42	1.42	YES		NO
L0000881	0	0.19841E-02	437431.8	3725530.3	217.6	0.00	1.42	1.42	YES		NO
L0000882	0	0.19841E-02	437428.8	3725529.6	217.7	0.00	1.42	1.42	YES		NO
L0000883	0	0.19841E-02	437425.9	3725528.9	217.8	0.00	1.42	1.42	YES		NO
L0000884	0	0.19841E-02	437422.9	3725528.1	217.9	0.00	1.42	1.42	YES		NO
L0000885	0	0.19841E-02	437419.9	3725527.4	218.1	0.00	1.42	1.42	YES		NO
L0000886	0	0.19841E-02	437417.0	3725526.7	218.2	0.00	1.42	1.42	YES		NO
L0000887	0	0.19841E-02	437414.0	3725526.0	218.3	0.00	1.42	1.42	YES		NO
L0000888	0	0.19841E-02	437411.0	3725525.3	218.5	0.00	1.42	1.42	YES		NO
L0000889	0	0.19841E-02	437408.1	3725524.6	218.5	0.00	1.42	1.42	YES		NO
L0000890	0	0.19841E-02	437405.1	3725523.9	218.4	0.00	1.42	1.42	YES		NO
L0000891	0	0.19841E-02	437402.1	3725523.2	218.4	0.00	1.42	1.42	YES		NO
L0000892	0	0.19841E-02	437399.2	3725522.5	218.3	0.00	1.42	1.42	YES		NO
L0000893	0	0.19841E-02	437396.2	3725521.8	218.3	0.00	1.42	1.42	YES		NO
L0000894	0	0.19841E-02	437393.2	3725521.1	218.3	0.00	1.42	1.42	YES		NO
L0000895	0	0.19841E-02	437390.3	3725520.3	218.2	0.00	1.42	1.42	YES		NO
L0000896	0	0.19841E-02	437387.3	3725519.6	218.2	0.00	1.42	1.42	YES		NO
L0000897	0	0.19841E-02	437384.4	3725518.9	218.2	0.00	1.42	1.42	YES		NO
L0000898	0	0.19841E-02	437381.4	3725518.2	218.2	0.00	1.42	1.42	YES		NO
L0000899	0	0.19841E-02	437378.4	3725517.5	218.1	0.00	1.42	1.42	YES		NO
L0000900	0	0.19841E-02	437375.5	3725516.8	217.7	0.00	1.42	1.42	YES		NO
L0000901	0	0.19841E-02	437372.5	3725516.1	217.5	0.00	1.42	1.42	YES		NO
L0000902	0	0.19841E-02	437369.5	3725515.4	217.2	0.00	1.42	1.42	YES		NO
L0000903	0	0.19841E-02	437366.6	3725514.7	216.9	0.00	1.42	1.42	YES		NO
L0000904	0	0.19841E-02	437363.6	3725514.0	216.6	0.00	1.42	1.42	YES		NO
L0000905	0	0.19841E-02	437360.6	3725513.3	216.3	0.00	1.42	1.42	YES		NO
L0000906	0	0.19841E-02	437357.8	3725512.2	216.0	0.00	1.42	1.42	YES		NO
L0000907	0	0.19841E-02	437355.2	3725510.7	215.7	0.00	1.42	1.42	YES		NO
L0000908	0	0.19841E-02	437352.6	3725509.1	215.4	0.00	1.42	1.42	YES		NO
L0000909	0	0.19841E-02	437349.9	3725507.6	215.1	0.00	1.42	1.42	YES		NO
L0000910	0	0.19841E-02	437347.3	3725506.0	214.8	0.00	1.42	1.42	YES		NO
L0000911	0	0.19841E-02	437344.7	3725504.5	214.4	0.00	1.42	1.42	YES		NO
L0000912	0	0.19841E-02	437343.0	3725502.1	214.1	0.00	1.42	1.42	YES		NO
L0000913	0	0.19841E-02	437341.7	3725499.3	213.9	0.00	1.42	1.42	YES		NO
L0000914	0	0.19841E-02	437340.4	3725496.6	213.6	0.00	1.42	1.42	YES		NO
L0000915	0	0.19841E-02	437339.4	3725493.7	213.4	0.00	1.42	1.42	YES		NO
L0000916	0	0.19841E-02	437339.0	3725490.7	213.3	0.00	1.42	1.42	YES		NO
L0000917	0	0.19841E-02	437338.7	3725487.7	213.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000918	0	0.19841E-02	437338.3	3725484.6	213.0	0.00	1.42	1.42	YES		NO
L0000919	0	0.19841E-02	437338.5	3725481.6	212.9	0.00	1.42	1.42	YES		NO
L0000920	0	0.19841E-02	437338.9	3725478.6	212.8	0.00	1.42	1.42	YES		NO
L0000921	0	0.19841E-02	437339.4	3725475.6	212.6	0.00	1.42	1.42	YES		NO
L0000922	0	0.19841E-02	437339.8	3725472.6	212.6	0.00	1.42	1.42	YES		NO
L0000923	0	0.19841E-02	437340.3	3725469.6	212.5	0.00	1.42	1.42	YES		NO
L0000924	0	0.19841E-02	437340.7	3725466.6	212.4	0.00	1.42	1.42	YES		NO
L0000925	0	0.19841E-02	437341.2	3725463.5	212.3	0.00	1.42	1.42	YES		NO
L0000926	0	0.19841E-02	437341.6	3725460.5	212.2	0.00	1.42	1.42	YES		NO
L0000927	0	0.19841E-02	437342.1	3725457.5	212.1	0.00	1.42	1.42	YES		NO
L0000928	0	0.19841E-02	437342.5	3725454.5	212.0	0.00	1.42	1.42	YES		NO
L0000929	0	0.19841E-02	437343.0	3725451.5	212.0	0.00	1.42	1.42	YES		NO
L0000930	0	0.19841E-02	437343.4	3725448.5	211.9	0.00	1.42	1.42	YES		NO
L0000931	0	0.19841E-02	437343.9	3725445.5	211.8	0.00	1.42	1.42	YES		NO
L0000932	0	0.19841E-02	437344.3	3725442.4	212.0	0.00	1.42	1.42	YES		NO
L0000933	0	0.19841E-02	437344.8	3725439.4	212.1	0.00	1.42	1.42	YES		NO
L0000934	0	0.19841E-02	437345.2	3725436.4	212.2	0.00	1.42	1.42	YES		NO
L0000935	0	0.19841E-02	437345.7	3725433.4	212.3	0.00	1.42	1.42	YES		NO
L0000936	0	0.19841E-02	437346.1	3725430.4	212.4	0.00	1.42	1.42	YES		NO
L0000937	0	0.19841E-02	437346.5	3725427.4	212.5	0.00	1.42	1.42	YES		NO
L0000938	0	0.19841E-02	437346.9	3725424.3	212.6	0.00	1.42	1.42	YES		NO
L0000939	0	0.19841E-02	437347.3	3725421.3	212.8	0.00	1.42	1.42	YES		NO
L0000940	0	0.19841E-02	437347.7	3725418.3	212.9	0.00	1.42	1.42	YES		NO
L0000941	0	0.19841E-02	437348.1	3725415.3	213.1	0.00	1.42	1.42	YES		NO
L0000942	0	0.19841E-02	437348.5	3725412.2	213.9	0.00	1.42	1.42	YES		NO
L0000943	0	0.19841E-02	437348.9	3725409.2	214.6	0.00	1.42	1.42	YES		NO
L0000944	0	0.19841E-02	437349.3	3725406.2	215.3	0.00	1.42	1.42	YES		NO
L0000945	0	0.19841E-02	437349.7	3725403.2	216.0	0.00	1.42	1.42	YES		NO
L0000946	0	0.19841E-02	437350.1	3725400.2	216.7	0.00	1.42	1.42	YES		NO
L0000947	0	0.19841E-02	437350.5	3725397.1	217.4	0.00	1.42	1.42	YES		NO
L0000948	0	0.19841E-02	437350.9	3725394.1	218.0	0.00	1.42	1.42	YES		NO
L0000949	0	0.19841E-02	437351.2	3725391.1	218.7	0.00	1.42	1.42	YES		NO
L0000950	0	0.19841E-02	437351.6	3725388.1	219.4	0.00	1.42	1.42	YES		NO
L0000951	0	0.19841E-02	437352.0	3725385.0	219.8	0.00	1.42	1.42	YES		NO
L0000952	0	0.19841E-02	437352.4	3725382.0	219.7	0.00	1.42	1.42	YES		NO
L0000953	0	0.19841E-02	437352.8	3725379.0	219.7	0.00	1.42	1.42	YES		NO
L0000954	0	0.19841E-02	437353.2	3725376.0	219.6	0.00	1.42	1.42	YES		NO
L0000955	0	0.19841E-02	437353.6	3725373.0	219.5	0.00	1.42	1.42	YES		NO
L0000956	0	0.19841E-02	437354.0	3725369.9	219.5	0.00	1.42	1.42	YES		NO
L0000957	0	0.19841E-02	437354.4	3725366.9	219.4	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000958	0	0.19841E-02	437354.8	3725363.9	219.4	0.00	1.42	1.42	YES		NO
L0000959	0	0.19841E-02	437355.2	3725360.9	219.3	0.00	1.42	1.42	YES		NO
L0000960	0	0.19841E-02	437355.6	3725357.8	219.2	0.00	1.42	1.42	YES		NO
L0000961	0	0.19841E-02	437356.0	3725354.8	219.0	0.00	1.42	1.42	YES		NO
L0000962	0	0.19841E-02	437356.4	3725351.8	218.7	0.00	1.42	1.42	YES		NO
L0000963	0	0.19841E-02	437356.8	3725348.8	218.3	0.00	1.42	1.42	YES		NO
L0000964	0	0.19841E-02	437357.2	3725345.8	218.0	0.00	1.42	1.42	YES		NO
L0000965	0	0.19841E-02	437357.6	3725342.7	217.6	0.00	1.42	1.42	YES		NO
L0000966	0	0.19841E-02	437358.0	3725339.7	217.2	0.00	1.42	1.42	YES		NO
L0000967	0	0.19841E-02	437358.5	3725336.7	216.9	0.00	1.42	1.42	YES		NO
L0000968	0	0.19841E-02	437359.0	3725333.7	216.5	0.00	1.42	1.42	YES		NO
L0000969	0	0.19841E-02	437359.4	3725330.7	216.2	0.00	1.42	1.42	YES		NO
L0000970	0	0.19841E-02	437359.9	3725327.7	215.8	0.00	1.42	1.42	YES		NO
L0000971	0	0.19841E-02	437360.4	3725324.7	215.4	0.00	1.42	1.42	YES		NO
L0000972	0	0.19841E-02	437360.8	3725321.6	215.0	0.00	1.42	1.42	YES		NO
L0000973	0	0.19841E-02	437361.3	3725318.6	214.6	0.00	1.42	1.42	YES		NO
L0000974	0	0.19841E-02	437361.8	3725315.6	214.3	0.00	1.42	1.42	YES		NO
L0000975	0	0.19841E-02	437362.2	3725312.6	213.9	0.00	1.42	1.42	YES		NO
L0000976	0	0.19841E-02	437362.7	3725309.6	213.5	0.00	1.42	1.42	YES		NO
L0000977	0	0.19841E-02	437363.2	3725306.6	213.2	0.00	1.42	1.42	YES		NO
L0000978	0	0.19841E-02	437363.6	3725303.6	212.8	0.00	1.42	1.42	YES		NO
L0000979	0	0.19841E-02	437364.1	3725300.6	212.5	0.00	1.42	1.42	YES		NO
L0000980	0	0.19841E-02	437364.6	3725297.5	212.2	0.00	1.42	1.42	YES		NO
L0000981	0	0.19841E-02	437365.0	3725294.5	211.9	0.00	1.42	1.42	YES		NO
L0000982	0	0.19841E-02	437365.5	3725291.5	211.6	0.00	1.42	1.42	YES		NO
L0000983	0	0.19841E-02	437366.0	3725288.5	211.4	0.00	1.42	1.42	YES		NO
L0000984	0	0.19841E-02	437366.4	3725285.5	211.2	0.00	1.42	1.42	YES		NO
L0000985	0	0.19841E-02	437366.9	3725282.5	210.9	0.00	1.42	1.42	YES		NO
L0000986	0	0.19841E-02	437367.4	3725279.5	210.7	0.00	1.42	1.42	YES		NO
L0000987	0	0.19841E-02	437367.8	3725276.5	210.5	0.00	1.42	1.42	YES		NO
L0000988	0	0.19841E-02	437368.5	3725273.5	210.2	0.00	1.42	1.42	YES		NO
L0000989	0	0.19841E-02	437369.9	3725270.8	210.0	0.00	1.42	1.42	YES		NO
L0000990	0	0.19841E-02	437371.3	3725268.1	209.7	0.00	1.42	1.42	YES		NO
L0000991	0	0.19841E-02	437372.7	3725265.4	209.4	0.00	1.42	1.42	YES		NO
L0000992	0	0.19841E-02	437373.6	3725262.5	209.0	0.00	1.42	1.42	YES		NO
L0000993	0	0.19841E-02	437374.5	3725259.6	208.7	0.00	1.42	1.42	YES		NO
L0000994	0	0.19841E-02	437375.4	3725256.7	208.3	0.00	1.42	1.42	YES		NO
L0000995	0	0.19841E-02	437376.3	3725253.8	208.0	0.00	1.42	1.42	YES		NO
L0000996	0	0.19841E-02	437377.2	3725250.9	207.6	0.00	1.42	1.42	YES		NO
L0000997	0	0.19841E-02	437378.2	3725248.0	207.3	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000998	0	0.19841E-02	437379.1	3725245.1	206.9	0.00	1.42	1.42	YES		NO
L0000999	0	0.19841E-02	437380.1	3725242.2	206.6	0.00	1.42	1.42	YES		NO
L0001000	0	0.19841E-02	437381.0	3725239.3	206.2	0.00	1.42	1.42	YES		NO
L0001001	0	0.19841E-02	437381.9	3725236.4	205.8	0.00	1.42	1.42	YES		NO
L0001002	0	0.19841E-02	437382.9	3725233.5	205.7	0.00	1.42	1.42	YES		NO
L0001003	0	0.19841E-02	437383.8	3725230.6	205.5	0.00	1.42	1.42	YES		NO
L0001004	0	0.19841E-02	437384.7	3725227.7	205.4	0.00	1.42	1.42	YES		NO
L0001005	0	0.19841E-02	437385.7	3725224.8	205.2	0.00	1.42	1.42	YES		NO
L0001006	0	0.19841E-02	437386.6	3725221.9	205.1	0.00	1.42	1.42	YES		NO
L0001007	0	0.19841E-02	437387.5	3725219.0	204.9	0.00	1.42	1.42	YES		NO
L0001008	0	0.19841E-02	437388.5	3725216.1	204.7	0.00	1.42	1.42	YES		NO
L0001009	0	0.19841E-02	437389.4	3725213.1	204.5	0.00	1.42	1.42	YES		NO
L0001010	0	0.19841E-02	437390.3	3725210.2	204.3	0.00	1.42	1.42	YES		NO
L0001011	0	0.19841E-02	437391.3	3725207.3	204.1	0.00	1.42	1.42	YES		NO
L0001012	0	0.19841E-02	437392.2	3725204.4	203.9	0.00	1.42	1.42	YES		NO
L0001013	0	0.19841E-02	437393.2	3725201.5	203.8	0.00	1.42	1.42	YES		NO
L0001014	0	0.19841E-02	437394.1	3725198.6	203.7	0.00	1.42	1.42	YES		NO
L0001015	0	0.19841E-02	437395.2	3725195.8	203.6	0.00	1.42	1.42	YES		NO
L0001016	0	0.19841E-02	437396.6	3725193.1	203.3	0.00	1.42	1.42	YES		NO
L0001017	0	0.19841E-02	437398.9	3725191.2	202.8	0.00	1.42	1.42	YES		NO
L0001018	0	0.19841E-02	437401.5	3725189.6	202.2	0.00	1.42	1.42	YES		NO
L0001019	0	0.19841E-02	437404.1	3725188.1	201.7	0.00	1.42	1.42	YES		NO
L0001020	0	0.19841E-02	437406.9	3725187.1	201.0	0.00	1.42	1.42	YES		NO
L0001021	0	0.19841E-02	437409.9	3725186.5	200.3	0.00	1.42	1.42	YES		NO
L0001022	0	0.19841E-02	437412.9	3725185.8	200.2	0.00	1.42	1.42	YES		NO
L0001023	0	0.19841E-02	437415.9	3725185.4	200.1	0.00	1.42	1.42	YES		NO
L0001024	0	0.19841E-02	437418.9	3725185.4	200.0	0.00	1.42	1.42	YES		NO
L0001025	0	0.19841E-02	437422.0	3725185.4	199.9	0.00	1.42	1.42	YES		NO
L0001026	0	0.19841E-02	437424.9	3725186.3	199.8	0.00	1.42	1.42	YES		NO
L0001027	0	0.19841E-02	437427.8	3725187.2	199.8	0.00	1.42	1.42	YES		NO
L0001028	0	0.19841E-02	437430.7	3725188.1	199.7	0.00	1.42	1.42	YES		NO
L0001029	0	0.19841E-02	437433.6	3725189.1	199.6	0.00	1.42	1.42	YES		NO
L0001030	0	0.19841E-02	437436.5	3725190.0	199.6	0.00	1.42	1.42	YES		NO
L0001031	0	0.19841E-02	437439.4	3725190.9	199.5	0.00	1.42	1.42	YES		NO
L0001032	0	0.19841E-02	437442.3	3725191.9	199.6	0.00	1.42	1.42	YES		NO
L0001033	0	0.19841E-02	437445.1	3725193.1	199.7	0.00	1.42	1.42	YES		NO
L0001034	0	0.19841E-02	437447.9	3725194.2	199.7	0.00	1.42	1.42	YES		NO
L0001035	0	0.19841E-02	437450.8	3725195.4	199.8	0.00	1.42	1.42	YES		NO
L0001036	0	0.19841E-02	437453.6	3725196.6	199.8	0.00	1.42	1.42	YES		NO
L0001037	0	0.19841E-02	437456.4	3725197.7	199.9	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0001038	0	0.19841E-02	437459.2	3725198.9	199.9	0.00	1.42	1.42	YES		NO
L0001039	0	0.19841E-02	437462.0	3725200.0	200.0	0.00	1.42	1.42	YES		NO
L0001040	0	0.19841E-02	437464.8	3725201.2	200.0	0.00	1.42	1.42	YES		NO
L0001041	0	0.19841E-02	437467.7	3725202.4	200.0	0.00	1.42	1.42	YES		NO
L0001042	0	0.19841E-02	437470.5	3725203.5	200.0	0.00	1.42	1.42	YES		NO
L0001043	0	0.19841E-02	437473.2	3725204.8	200.0	0.00	1.42	1.42	YES		NO
L0001044	0	0.19841E-02	437476.0	3725206.2	200.0	0.00	1.42	1.42	YES		NO
L0001045	0	0.19841E-02	437478.7	3725207.5	200.0	0.00	1.42	1.42	YES		NO
L0001046	0	0.19841E-02	437481.4	3725208.9	200.0	0.00	1.42	1.42	YES		NO
L0001047	0	0.19841E-02	437484.1	3725210.3	200.1	0.00	1.42	1.42	YES		NO
L0001048	0	0.19841E-02	437486.9	3725211.6	200.1	0.00	1.42	1.42	YES		NO
L0001049	0	0.19841E-02	437489.6	3725213.0	200.2	0.00	1.42	1.42	YES		NO
L0001050	0	0.19841E-02	437492.3	3725214.4	200.2	0.00	1.42	1.42	YES		NO
L0001051	0	0.19841E-02	437495.1	3725215.7	200.3	0.00	1.42	1.42	YES		NO
L0001052	0	0.19841E-02	437497.8	3725217.1	200.3	0.00	1.42	1.42	YES		NO
L0001053	0	0.19841E-02	437500.5	3725218.4	200.5	0.00	1.42	1.42	YES		NO
L0001054	0	0.19841E-02	437503.2	3725219.8	200.7	0.00	1.42	1.42	YES		NO
L0001055	0	0.19841E-02	437505.6	3725221.7	200.9	0.00	1.42	1.42	YES		NO
L0001056	0	0.19841E-02	437507.7	3725223.9	201.1	0.00	1.42	1.42	YES		NO
L0001057	0	0.19841E-02	437509.8	3725226.1	201.4	0.00	1.42	1.42	YES		NO
L0001058	0	0.19841E-02	437512.0	3725228.2	201.6	0.00	1.42	1.42	YES		NO
L0001059	0	0.19841E-02	437514.1	3725230.4	201.8	0.00	1.42	1.42	YES		NO
L0001060	0	0.19841E-02	437516.3	3725232.6	202.0	0.00	1.42	1.42	YES		NO
L0001061	0	0.19841E-02	437518.4	3725234.7	202.2	0.00	1.42	1.42	YES		NO
L0001062	0	0.19841E-02	437520.6	3725236.9	202.4	0.00	1.42	1.42	YES		NO
L0001063	0	0.19841E-02	437522.7	3725239.1	202.6	0.00	1.42	1.42	YES		NO
L0001064	0	0.19841E-02	437524.8	3725241.2	202.9	0.00	1.42	1.42	YES		NO
L0001065	0	0.19841E-02	437527.0	3725243.4	203.1	0.00	1.42	1.42	YES		NO
L0001066	0	0.19841E-02	437529.1	3725245.6	203.3	0.00	1.42	1.42	YES		NO
L0001067	0	0.19841E-02	437531.3	3725247.7	203.6	0.00	1.42	1.42	YES		NO
L0001068	0	0.19841E-02	437533.4	3725249.9	203.9	0.00	1.42	1.42	YES		NO
L0001069	0	0.19841E-02	437535.5	3725252.1	204.2	0.00	1.42	1.42	YES		NO
L0001070	0	0.19841E-02	437537.7	3725254.2	204.5	0.00	1.42	1.42	YES		NO
L0001071	0	0.19841E-02	437539.8	3725256.4	204.8	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
IN	L0000568 , L0000569 , L0000570 , L0000571 , L0000572 , L0000573 , L0000574 , L0000575 ,
	L0000576 , L0000577 , L0000578 , L0000579 , L0000580 , L0000581 , L0000582 , L0000583 ,
	L0000584 , L0000585 , L0000586 , L0000587 , L0000588 , L0000589 , L0000590 , L0000591 ,
	L0000592 , L0000593 , L0000594 , L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
	L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
	L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
	L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , L0000623 ,
	L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 , L0000630 , L0000631 ,
	L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 ,
	L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 , L0000646 , L0000647 ,
	L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 , L0000654 , L0000655 ,
	L0000656 , L0000657 , L0000658 , L0000659 , L0000660 , L0000661 , L0000662 , L0000663 ,
	L0000664 , L0000665 , L0000666 , L0000667 , L0000668 , L0000669 , L0000670 , L0000671 ,
	L0000672 , L0000673 , L0000674 , L0000675 , L0000676 , L0000677 , L0000678 , L0000679 ,
	L0000680 , L0000681 , L0000682 , L0000683 , L0000684 , L0000685 , L0000686 , L0000687 ,
	L0000688 , L0000689 , L0000690 , L0000691 , L0000692 , L0000693 , L0000694 , L0000695 ,
	L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 , L0000702 , L0000703 ,
	L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 , L0000710 , L0000711 ,
	L0000712 , L0000713 , L0000714 , L0000715 , L0000716 , L0000717 , L0000718 , L0000719 ,
	L0000720 , L0000721 , L0000722 , L0000723 , L0000724 , L0000725 , L0000726 , L0000727 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000728 , L0000729 , L0000730 , L0000731 , L0000732 , L0000733 , L0000734 , L0000735 ,
	L0000736 , L0000737 , L0000738 , L0000739 , L0000740 , L0000741 , L0000742 , L0000743 ,
	L0000744 , L0000745 , L0000746 , L0000747 , L0000748 , L0000749 , L0000750 , L0000751 ,
	L0000752 , L0000753 , L0000754 , L0000755 , L0000756 , L0000757 , L0000758 , L0000759 ,
	L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 ,
	L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 ,
	L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 ,
	L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 , L0000790 , L0000791 ,
	L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 , L0000798 , L0000799 ,
	L0000800 , L0000801 , L0000802 , L0000803 , L0000804 , L0000805 , L0000806 , L0000807 ,
	L0000808 , L0000809 , L0000810 , L0000811 , L0000812 , L0000813 , L0000814 , L0000815 ,
	L0000816 , L0000817 , L0000818 , L0000819 , L0000820 , L0000821 , L0000822 , L0000823 ,
	L0000824 , L0000825 , L0000826 , L0000827 , L0000828 , L0000829 , L0000830 , L0000831 ,
	L0000832 , L0000833 , L0000834 , L0000835 , L0000836 , L0000837 , L0000838 , L0000839 ,
	L0000840 , L0000841 , L0000842 , L0000843 , L0000844 , L0000845 , L0000846 , L0000847 ,
	L0000848 , L0000849 , L0000850 , L0000851 , L0000852 , L0000853 , L0000854 , L0000855 ,
	L0000856 , L0000857 , L0000858 , L0000859 , L0000860 , L0000861 , L0000862 , L0000863 ,
	L0000864 , L0000865 , L0000866 , L0000867 , L0000868 , L0000869 , L0000870 , L0000871 ,
	L0000872 , L0000873 , L0000874 , L0000875 , L0000876 , L0000877 , L0000878 , L0000879 ,
	L0000880 , L0000881 , L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000888 , L0000889 , L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 ,
	L0000896 , L0000897 , L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 ,
	L0000904 , L0000905 , L0000906 , L0000907 , L0000908 , L0000909 , L0000910 , L0000911 ,
	L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 , L0000919 ,
	L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,
	L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 ,
	L0000936 , L0000937 , L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 ,
	L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 ,
	L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 ,
	L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , L0000966 , L0000967 ,
	L0000968 , L0000969 , L0000970 , L0000971 , L0000972 , L0000973 , L0000974 , L0000975 ,
	L0000976 , L0000977 , L0000978 , L0000979 , L0000980 , L0000981 , L0000982 , L0000983 ,
	L0000984 , L0000985 , L0000986 , L0000987 , L0000988 , L0000989 , L0000990 , L0000991 ,
	L0000992 , L0000993 , L0000994 , L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
	L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
	L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
	L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , L0001023 ,
	L0001024 , L0001025 , L0001026 , L0001027 , L0001028 , L0001029 , L0001030 , L0001031 ,
	L0001032 , L0001033 , L0001034 , L0001035 , L0001036 , L0001037 , L0001038 , L0001039 ,
	L0001040 , L0001041 , L0001042 , L0001043 , L0001044 , L0001045 , L0001046 , L0001047 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0001048 , L0001049 , L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 ,
	L0001056 , L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 ,
	L0001064 , L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 ,
ONSITE1	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
	L0000073 , L0001072 , L0001073 , L0001074 ,
OUT	L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 , L0000081 ,
	L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 , L0000089 ,
	L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 ,
	L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,
	L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 ,
	L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 ,
	L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 , L0000129 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000135 , L0000136 , L0000137 ,
	L0000138 , L0000139 , L0000140 , L0000141 , L0000142 , L0000143 , L0000144 , L0000145 ,
	L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 ,
	L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 ,
	L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 ,
	L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 , L0000177 ,
	L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 , L0000185 ,
	L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 ,
	L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 ,
	L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 , L0000209 ,
	L0000210 , L0000211 , L0000212 , L0000213 , L0000214 , L0000215 , L0000216 , L0000217 ,
	L0000218 , L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 ,
	L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 ,
	L0000234 , L0000235 , L0000236 , L0000237 , L0000238 , L0000239 , L0000240 , L0000241 ,
	L0000242 , L0000243 , L0000244 , L0000245 , L0000246 , L0000247 , L0000248 , L0000249 ,
	L0000250 , L0000251 , L0000252 , L0000253 , L0000254 , L0000255 , L0000256 , L0000257 ,
	L0000258 , L0000259 , L0000260 , L0000261 , L0000262 , L0000263 , L0000264 , L0000265 ,
	L0000266 , L0000267 , L0000268 , L0000269 , L0000270 , L0000271 , L0000272 , L0000273 ,
	L0000274 , L0000275 , L0000276 , L0000277 , L0000278 , L0000279 , L0000280 , L0000281 ,
	L0000282 , L0000283 , L0000284 , L0000285 , L0000286 , L0000287 , L0000288 , L0000289 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000290 , L0000291 , L0000292 , L0000293 , L0000294 , L0000295 , L0000296 , L0000297 ,
	L0000298 , L0000299 , L0000300 , L0000301 , L0000302 , L0000303 , L0000304 , L0000305 ,
	L0000306 , L0000307 , L0000308 , L0000309 , L0000310 , L0000311 , L0000312 , L0000313 ,
	L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000320 , L0000321 ,
	L0000322 , L0000323 , L0000324 , L0000325 , L0000326 , L0000327 , L0000328 , L0000329 ,
	L0000330 , L0000331 , L0000332 , L0000333 , L0000334 , L0000335 , L0000336 , L0000337 ,
	L0000338 , L0000339 , L0000340 , L0000341 , L0000342 , L0000343 , L0000344 , L0000345 ,
	L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 , L0000353 ,
	L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 , L0000361 ,
	L0000362 , L0000363 , L0000364 , L0000365 , L0000366 , L0000367 , L0000368 , L0000369 ,
	L0000370 , L0000371 , L0000372 , L0000373 , L0000374 , L0000375 , L0000376 , L0000377 ,
	L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
	L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
	L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
	L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 ,
	L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 ,
	L0000418 , L0000419 , L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 ,
	L0000426 , L0000427 , L0000428 , L0000429 , L0000430 , L0000431 , L0000432 , L0000433 ,
	L0000434 , L0000435 , L0000436 , L0000437 , L0000438 , L0000439 , L0000440 , L0000441 ,
	L0000442 , L0000443 , L0000444 , L0000445 , L0000446 , L0000447 , L0000448 , L0000449 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 , L0000457 ,
	L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 , L0000465 ,
	L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , L0000472 , L0000473 ,
	L0000474 , L0000475 , L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 ,
	L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 ,
	L0000490 , L0000491 , L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 ,
	L0000498 , L0000499 , L0000500 , L0000501 , L0000502 , L0000503 , L0000504 , L0000505 ,
	L0000506 , L0000507 , L0000508 , L0000509 , L0000510 , L0000511 , L0000512 , L0000513 ,
	L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 , L0000521 ,
	L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 , L0000529 ,
	L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , L0000535 , L0000536 , L0000537 ,
	L0000538 , L0000539 , L0000540 , L0000541 , L0000542 , L0000543 , L0000544 , L0000545 ,
	L0000546 , L0000547 , L0000548 , L0000549 , L0000550 , L0000551 , L0000552 , L0000553 ,
	L0000554 , L0000555 , L0000556 , L0000557 , L0000558 , L0000559 , L0000560 , L0000561 ,
	L0000562 , L0000563 , L0000564 , L0000565 , L0000566 , L0000567 ,
STCK1	STCK1 ,
STCK10	STCK10 ,
STCK11	STCK11 ,
STCK12	STCK12 ,
STCK13	STCK13 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
STCK14	STCK14 ,
STCK2	STCK2 ,
STCK3	STCK3 ,
STCK4	STCK4 ,
STCK5	STCK5 ,
STCK6	STCK6 ,
STCK7	STCK7 ,
STCK8	STCK8 ,
STCK9	STCK9 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	3010232.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
		L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
		L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
		L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
		L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
		L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
		L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
		L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
		L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
		L0000073 , L0001072 , L0001073 , L0001074 , L0000074 , L0000075 , L0000076 , L0000077 ,
		L0000078 , L0000079 , L0000080 , L0000081 , L0000082 , L0000083 , L0000084 , L0000085 ,
		L0000086 , L0000087 , L0000088 , L0000089 , L0000090 , L0000091 , L0000092 , L0000093 ,
		L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 ,
		L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 ,
		L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 ,
		L0000118 , L0000119 , L0000120 , L0000121 , L0000122 , L0000123 , L0000124 , L0000125 ,
		L0000126 , L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 ,
		L0000134 , L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,
		L0000142 , L0000143 , L0000144 , L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
		L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 ,
L0000174 , L0000175 , L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 ,
L0000182 , L0000183 , L0000184 , L0000185 , L0000186 , L0000187 , L0000188 , L0000189 ,
L0000190 , L0000191 , L0000192 , L0000193 , L0000194 , L0000195 , L0000196 , L0000197 ,
L0000198 , L0000199 , L0000200 , L0000201 , L0000202 , L0000203 , L0000204 , L0000205 ,
L0000206 , L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,
L0000214 , L0000215 , L0000216 , L0000217 , L0000218 , L0000219 , L0000220 , L0000221 ,
L0000222 , L0000223 , L0000224 , L0000225 , L0000226 , L0000227 , L0000228 , L0000229 ,
L0000230 , L0000231 , L0000232 , L0000233 , L0000234 , L0000235 , L0000236 , L0000237 ,
L0000238 , L0000239 , L0000240 , L0000241 , L0000242 , L0000243 , L0000244 , L0000245 ,
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L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 , L0000325 ,
L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 , L0000333 ,
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L0000342 , L0000343 , L0000344 , L0000345 , L0000346 , L0000347 , L0000348 , L0000349 ,
L0000350 , L0000351 , L0000352 , L0000353 , L0000354 , L0000355 , L0000356 , L0000357 ,
L0000358 , L0000359 , L0000360 , L0000361 , L0000362 , L0000363 , L0000364 , L0000365 ,
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L0000446 , L0000447 , L0000448 , L0000449 , L0000450 , L0000451 , L0000452 , L0000453 ,
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L0000470 , L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
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L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 , L0000581 ,
L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 , L0000589 ,
L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , L0000596 , L0000597 ,
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L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , L0000637 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000638 , L0000639 , L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 ,
L0000646 , L0000647 , L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 ,
L0000654 , L0000655 , L0000656 , L0000657 , L0000658 , L0000659 , L0000660 , L0000661 ,
L0000662 , L0000663 , L0000664 , L0000665 , L0000666 , L0000667 , L0000668 , L0000669 ,
L0000670 , L0000671 , L0000672 , L0000673 , L0000674 , L0000675 , L0000676 , L0000677 ,
L0000678 , L0000679 , L0000680 , L0000681 , L0000682 , L0000683 , L0000684 , L0000685 ,
L0000686 , L0000687 , L0000688 , L0000689 , L0000690 , L0000691 , L0000692 , L0000693 ,
L0000694 , L0000695 , L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 ,
L0000702 , L0000703 , L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 ,
L0000710 , L0000711 , L0000712 , L0000713 , L0000714 , L0000715 , L0000716 , L0000717 ,
L0000718 , L0000719 , L0000720 , L0000721 , L0000722 , L0000723 , L0000724 , L0000725 ,
L0000726 , L0000727 , L0000728 , L0000729 , L0000730 , L0000731 , L0000732 , L0000733 ,
L0000734 , L0000735 , L0000736 , L0000737 , L0000738 , L0000739 , L0000740 , L0000741 ,
L0000742 , L0000743 , L0000744 , L0000745 , L0000746 , L0000747 , L0000748 , L0000749 ,
L0000750 , L0000751 , L0000752 , L0000753 , L0000754 , L0000755 , L0000756 , L0000757 ,
L0000758 , L0000759 , L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 ,
L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 ,
L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 ,
L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 ,
L0000790 , L0000791 , L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000798 , L0000799 , L0000800 , L0000801 , L0000802 , L0000803 , L0000804 , L0000805 ,
L0000806 , L0000807 , L0000808 , L0000809 , L0000810 , L0000811 , L0000812 , L0000813 ,
L0000814 , L0000815 , L0000816 , L0000817 , L0000818 , L0000819 , L0000820 , L0000821 ,
L0000822 , L0000823 , L0000824 , L0000825 , L0000826 , L0000827 , L0000828 , L0000829 ,
L0000830 , L0000831 , L0000832 , L0000833 , L0000834 , L0000835 , L0000836 , L0000837 ,
L0000838 , L0000839 , L0000840 , L0000841 , L0000842 , L0000843 , L0000844 , L0000845 ,
L0000846 , L0000847 , L0000848 , L0000849 , L0000850 , L0000851 , L0000852 , L0000853 ,
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L0000862 , L0000863 , L0000864 , L0000865 , L0000866 , L0000867 , L0000868 , L0000869 ,
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L0000886 , L0000887 , L0000888 , L0000889 , L0000890 , L0000891 , L0000892 , L0000893 ,
L0000894 , L0000895 , L0000896 , L0000897 , L0000898 , L0000899 , L0000900 , L0000901 ,
L0000902 , L0000903 , L0000904 , L0000905 , L0000906 , L0000907 , L0000908 , L0000909 ,
L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 ,
L0000918 , L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 ,
L0000926 , L0000927 , L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 ,
L0000934 , L0000935 , L0000936 , L0000937 , L0000938 , L0000939 , L0000940 , L0000941 ,
L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 ,
L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 ,
L0000966 , L0000967 , L0000968 , L0000969 , L0000970 , L0000971 , L0000972 , L0000973 ,
L0000974 , L0000975 , L0000976 , L0000977 , L0000978 , L0000979 , L0000980 , L0000981 ,
L0000982 , L0000983 , L0000984 , L0000985 , L0000986 , L0000987 , L0000988 , L0000989 ,
L0000990 , L0000991 , L0000992 , L0000993 , L0000994 , L0000995 , L0000996 , L0000997 ,
L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 ,
L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 ,
L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 ,
L0001022 , L0001023 , L0001024 , L0001025 , L0001026 , L0001027 , L0001028 , L0001029 ,
L0001030 , L0001031 , L0001032 , L0001033 , L0001034 , L0001035 , L0001036 , L0001037 ,
L0001038 , L0001039 , L0001040 , L0001041 , L0001042 , L0001043 , L0001044 , L0001045 ,
L0001046 , L0001047 , L0001048 , L0001049 , L0001050 , L0001051 , L0001052 , L0001053 ,
L0001054 , L0001055 , L0001056 , L0001057 , L0001058 , L0001059 , L0001060 , L0001061 ,
L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 , L0001069 ,
L0001070 , L0001071 , STCK1 , STCK2 , STCK3 , STCK4 , STCK5 , STCK6 ,
STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 , STCK14 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437235.3,	3725540.6,	209.2,	242.0,	0.0);	(437200.4,	3725546.6,	211.3,	242.0,	0.0);
(437206.7,	3725553.6,	211.4,	242.0,	0.0);	(437213.0,	3725560.6,	211.7,	242.0,	0.0);
(437174.9,	3725557.7,	212.5,	242.0,	0.0);	(437171.8,	3725548.9,	212.4,	242.0,	0.0);
(437149.6,	3725569.1,	214.7,	242.0,	0.0);	(437146.5,	3725560.4,	214.4,	242.0,	0.0);
(437143.4,	3725551.6,	214.3,	242.0,	0.0);	(437155.7,	3725586.6,	215.9,	242.0,	0.0);
(437162.1,	3725593.7,	215.8,	242.0,	0.0);	(437168.4,	3725600.7,	215.8,	242.0,	0.0);
(437130.3,	3725597.8,	219.4,	242.0,	0.0);	(437120.9,	3725571.3,	217.3,	242.0,	0.0);
(437117.8,	3725562.5,	216.9,	242.0,	0.0);	(437114.7,	3725553.6,	216.4,	242.0,	0.0);
(437133.4,	3725606.7,	219.9,	242.0,	0.0);	(437139.7,	3725613.7,	220.2,	242.0,	0.0);
(437146.1,	3725620.8,	220.1,	242.0,	0.0);	(437108.0,	3725618.0,	221.5,	242.0,	0.0);
(437104.9,	3725609.2,	221.0,	242.0,	0.0);	(437101.8,	3725600.5,	220.6,	242.0,	0.0);
(437092.6,	3725574.3,	219.1,	242.0,	0.0);	(437089.5,	3725565.5,	218.6,	242.0,	0.0);
(437086.4,	3725556.8,	217.8,	242.0,	0.0);	(437085.6,	3725637.9,	223.9,	242.0,	0.0);
(437082.5,	3725629.1,	223.2,	242.0,	0.0);	(437079.4,	3725620.3,	222.6,	242.0,	0.0);
(437076.3,	3725611.5,	222.0,	242.0,	0.0);	(437073.2,	3725602.6,	221.4,	242.0,	0.0);
(437063.8,	3725576.2,	219.3,	242.0,	0.0);	(437060.7,	3725567.3,	218.5,	242.0,	0.0);
(437057.6,	3725558.5,	217.7,	242.0,	0.0);	(437101.4,	3725660.8,	225.1,	242.0,	0.0);
(437055.9,	3725664.6,	227.4,	242.0,	0.0);	(437052.7,	3725655.8,	226.0,	242.0,	0.0);
(437043.3,	3725629.1,	223.5,	242.0,	0.0);	(437040.2,	3725620.3,	222.9,	242.0,	0.0);
(437037.1,	3725611.4,	222.2,	242.0,	0.0);	(437034.0,	3725602.5,	221.5,	242.0,	0.0);
(437024.5,	3725575.9,	219.5,	242.0,	0.0);	(437021.4,	3725567.1,	219.0,	242.0,	0.0);
(437059.0,	3725673.5,	228.9,	242.0,	0.0);	(437026.1,	3725691.3,	230.5,	242.0,	0.0);
(437023.0,	3725682.4,	229.7,	242.0,	0.0);	(437019.8,	3725673.5,	228.7,	242.0,	0.0);
(437016.6,	3725664.6,	227.6,	242.0,	0.0);	(437013.5,	3725655.7,	226.6,	242.0,	0.0);
(437004.1,	3725628.9,	224.2,	242.0,	0.0);	(437000.9,	3725620.0,	223.5,	242.0,	0.0);
(436997.8,	3725611.1,	222.9,	242.0,	0.0);	(436994.6,	3725602.2,	222.3,	242.0,	0.0);
(436991.5,	3725593.3,	221.8,	242.0,	0.0);	(436988.3,	3725584.4,	221.2,	242.0,	0.0);
(436985.2,	3725575.5,	220.6,	242.0,	0.0);	(436982.0,	3725566.6,	220.0,	240.0,	0.0);
(437029.2,	3725700.2,	231.2,	242.0,	0.0);	(437035.6,	3725707.2,	232.4,	242.0,	0.0);
(437041.9,	3725714.3,	233.8,	242.0,	0.0);	(436993.3,	3725709.3,	227.9,	242.0,	0.0);
(436990.2,	3725700.5,	227.0,	242.0,	0.0);	(436987.0,	3725691.8,	226.1,	242.0,	0.0);
(436984.0,	3725683.0,	225.3,	242.0,	0.0);	(436980.8,	3725674.2,	224.6,	242.0,	0.0);
(436977.7,	3725665.4,	223.9,	242.0,	0.0);	(436974.6,	3725656.6,	223.0,	242.0,	0.0);
(436971.5,	3725647.8,	222.8,	242.0,	0.0);	(436962.2,	3725621.4,	222.8,	242.0,	0.0);
(436959.1,	3725612.6,	222.1,	242.0,	0.0);	(436956.0,	3725603.8,	221.9,	242.0,	0.0);
(436952.9,	3725595.0,	221.8,	240.0,	0.0);	(436949.8,	3725586.2,	221.8,	225.0,	0.0);
(436946.7,	3725577.4,	221.6,	225.0,	0.0);	(436943.6,	3725568.6,	221.2,	225.0,	0.0);
(437004.8,	3724812.4,	209.3,	227.0,	0.0);	(437008.8,	3724804.0,	210.3,	226.0,	0.0);
(437012.8,	3724795.5,	210.8,	220.0,	0.0);	(437016.8,	3724787.1,	210.8,	220.0,	0.0);
(436954.1,	3725709.5,	223.2,	242.0,	0.0);	(436951.0,	3725700.6,	222.3,	242.0,	0.0);
(436947.9,	3725691.8,	221.4,	242.0,	0.0);	(436944.8,	3725683.0,	220.6,	242.0,	0.0);
(436941.6,	3725674.1,	220.4,	242.0,	0.0);	(436938.5,	3725665.3,	220.5,	242.0,	0.0);
(436935.4,	3725656.5,	221.0,	242.0,	0.0);	(436932.3,	3725647.6,	221.8,	242.0,	0.0);
(436929.1,	3725638.8,	222.7,	242.0,	0.0);	(436919.8,	3725612.3,	224.6,	224.6,	0.0);
(436916.7,	3725603.5,	224.9,	224.9,	0.0);	(436913.6,	3725594.6,	224.9,	224.9,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436910.4,	3725585.8,	224.6,	224.6,	0.0);	(436907.3,	3725577.0,	224.5,	224.5,	0.0);
(436889.1,	3724969.2,	225.7,	225.7,	0.0);	(436893.2,	3724960.7,	225.7,	225.7,	0.0);
(436897.2,	3724952.3,	226.1,	226.1,	0.0);	(436901.2,	3724943.8,	226.7,	226.7,	0.0);
(436905.3,	3724935.4,	226.6,	226.6,	0.0);	(436909.3,	3724926.9,	224.7,	227.0,	0.0);
(436913.3,	3724918.4,	223.0,	227.0,	0.0);	(436917.3,	3724910.0,	221.3,	227.0,	0.0);
(436921.4,	3724901.5,	220.3,	227.0,	0.0);	(436925.4,	3724893.1,	219.9,	227.0,	0.0);
(436929.4,	3724884.6,	219.6,	227.0,	0.0);	(436933.5,	3724876.2,	217.3,	227.0,	0.0);
(436937.5,	3724867.7,	214.5,	227.0,	0.0);	(436941.5,	3724859.2,	212.1,	228.0,	0.0);
(436945.6,	3724850.8,	210.1,	228.0,	0.0);	(436949.6,	3724842.3,	209.2,	228.0,	0.0);
(436953.6,	3724833.9,	209.6,	228.0,	0.0);	(436957.6,	3724825.4,	210.4,	227.0,	0.0);
(436961.7,	3724817.0,	211.7,	227.0,	0.0);	(436965.7,	3724808.5,	213.1,	220.0,	0.0);
(436969.7,	3724800.0,	214.9,	220.0,	0.0);	(436973.8,	3724791.6,	217.1,	220.0,	0.0);
(436977.8,	3724783.1,	218.6,	220.0,	0.0);	(436981.8,	3724774.7,	218.4,	220.0,	0.0);
(436985.9,	3724766.2,	218.2,	218.2,	0.0);	(436976.0,	3725760.7,	229.2,	242.0,	0.0);
(436982.3,	3725767.7,	230.5,	242.0,	0.0);	(436936.8,	3725771.5,	224.8,	242.0,	0.0);
(436933.7,	3725762.6,	224.0,	242.0,	0.0);	(436930.5,	3725753.8,	223.4,	242.0,	0.0);
(436911.8,	3725700.5,	216.5,	242.0,	0.0);	(436908.6,	3725691.7,	215.1,	242.0,	0.0);
(436905.5,	3725682.8,	214.7,	242.0,	0.0);	(436902.4,	3725673.9,	216.2,	242.0,	0.0);
(436899.2,	3725665.1,	217.9,	242.0,	0.0);	(436883.6,	3725620.7,	226.0,	226.0,	0.0);
(436880.4,	3725611.9,	226.0,	226.0,	0.0);	(436877.3,	3725603.0,	225.9,	225.9,	0.0);
(436874.2,	3725594.1,	225.9,	225.9,	0.0);	(436871.0,	3725585.2,	226.0,	226.0,	0.0);
(436867.9,	3725576.4,	226.0,	226.0,	0.0);	(436833.5,	3725000.1,	224.5,	228.0,	0.0);
(436837.5,	3724991.6,	223.8,	228.0,	0.0);	(436841.6,	3724983.1,	222.7,	228.0,	0.0);
(436845.6,	3724974.6,	221.7,	228.0,	0.0);	(436849.6,	3724966.1,	221.0,	228.0,	0.0);
(436853.7,	3724957.6,	220.4,	228.0,	0.0);	(436857.8,	3724949.1,	219.7,	228.0,	0.0);
(436861.8,	3724940.6,	218.8,	228.0,	0.0);	(436865.8,	3724932.2,	218.1,	228.0,	0.0);
(436869.9,	3724923.7,	217.8,	228.0,	0.0);	(436873.9,	3724915.2,	217.7,	228.0,	0.0);
(436878.0,	3724906.7,	217.2,	228.0,	0.0);	(436882.0,	3724898.2,	216.5,	228.0,	0.0);
(436886.1,	3724889.7,	215.8,	228.0,	0.0);	(436890.1,	3724881.2,	215.2,	228.0,	0.0);
(436894.2,	3724872.7,	214.5,	228.0,	0.0);	(436898.2,	3724864.2,	213.8,	228.0,	0.0);
(436902.3,	3724855.7,	212.9,	228.0,	0.0);	(436906.3,	3724847.2,	211.9,	228.0,	0.0);
(436910.3,	3724838.8,	211.6,	228.0,	0.0);	(436914.4,	3724830.3,	211.7,	227.0,	0.0);
(436918.4,	3724821.8,	212.0,	227.0,	0.0);	(436922.5,	3724813.3,	212.3,	227.0,	0.0);
(436926.5,	3724804.8,	212.2,	227.0,	0.0);	(436930.6,	3724796.3,	212.1,	227.0,	0.0);
(436934.6,	3724787.8,	212.1,	220.0,	0.0);	(436938.7,	3724779.3,	211.8,	220.0,	0.0);
(436942.7,	3724770.8,	211.5,	220.0,	0.0);	(436946.8,	3724762.3,	211.4,	220.0,	0.0);
(436950.8,	3724753.8,	211.2,	220.0,	0.0);	(436954.9,	3724745.4,	210.4,	220.0,	0.0);
(436958.9,	3724736.9,	209.4,	220.0,	0.0);	(436963.0,	3724728.4,	208.0,	220.0,	0.0);
(436939.9,	3725780.4,	225.3,	242.0,	0.0);	(436946.3,	3725787.4,	226.0,	242.0,	0.0);
(436952.6,	3725794.4,	226.6,	242.0,	0.0);	(436907.0,	3725798.2,	221.7,	242.0,	0.0);
(436903.9,	3725789.3,	220.4,	242.0,	0.0);	(436900.8,	3725780.4,	218.8,	242.0,	0.0);
(436897.6,	3725771.5,	218.0,	242.0,	0.0);	(436894.5,	3725762.6,	217.7,	242.0,	0.0);
(436872.5,	3725700.3,	213.6,	242.0,	0.0);	(436869.3,	3725691.4,	213.8,	242.0,	0.0);
(436866.2,	3725682.5,	214.7,	242.0,	0.0);	(436863.0,	3725673.6,	216.2,	242.0,	0.0);
(436859.9,	3725664.7,	217.7,	242.0,	0.0);	(436856.7,	3725655.8,	219.1,	242.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	436853.6,	3725646.9,	221.3,	227.0,	0.0);	(436850.5,	3725638.0,	223.5,	227.0,	0.0);
(	436847.3,	3725629.1,	225.6,	225.6,	0.0);	(436844.2,	3725620.2,	226.1,	226.1,	0.0);
(	436841.0,	3725611.3,	226.0,	226.0,	0.0);	(436837.9,	3725602.3,	225.9,	225.9,	0.0);
(	436834.7,	3725593.4,	225.8,	225.8,	0.0);	(436831.6,	3725584.5,	226.0,	226.0,	0.0);
(	436828.4,	3725575.6,	226.2,	226.2,	0.0);	(436773.6,	3725039.8,	223.3,	228.0,	0.0);
(	436777.6,	3725031.3,	222.6,	228.0,	0.0);	(436781.7,	3725022.8,	221.7,	228.0,	0.0);
(	436785.8,	3725014.3,	220.8,	228.0,	0.0);	(436789.8,	3725005.8,	219.7,	228.0,	0.0);
(	436793.9,	3724997.2,	218.6,	228.0,	0.0);	(436797.9,	3724988.7,	217.6,	228.0,	0.0);
(	436802.0,	3724980.2,	216.6,	228.0,	0.0);	(436806.1,	3724971.7,	215.6,	228.0,	0.0);
(	436810.1,	3724963.1,	214.7,	228.0,	0.0);	(436814.2,	3724954.6,	214.1,	228.0,	0.0);
(	436818.2,	3724946.1,	213.5,	228.0,	0.0);	(436822.3,	3724937.6,	212.9,	228.0,	0.0);
(	436826.4,	3724929.1,	212.3,	228.0,	0.0);	(436830.4,	3724920.5,	211.7,	228.0,	0.0);
(	436834.5,	3724912.0,	211.1,	228.0,	0.0);	(436838.6,	3724903.5,	210.4,	228.0,	0.0);
(	436842.6,	3724895.0,	209.7,	228.0,	0.0);	(436846.7,	3724886.4,	208.9,	228.0,	0.0);
(	436850.7,	3724877.9,	208.2,	228.0,	0.0);	(436854.8,	3724869.4,	207.6,	228.0,	0.0);
(	436858.9,	3724860.9,	207.0,	228.0,	0.0);	(436862.9,	3724852.4,	206.3,	228.0,	0.0);
(	436867.0,	3724843.8,	205.4,	228.0,	0.0);	(436871.0,	3724835.3,	204.8,	228.0,	0.0);
(	436875.1,	3724826.8,	204.5,	228.0,	0.0);	(436879.2,	3724818.3,	204.2,	228.0,	0.0);
(	436883.2,	3724809.7,	204.0,	228.0,	0.0);	(436887.3,	3724801.2,	203.8,	228.0,	0.0);
(	436891.3,	3724792.7,	203.4,	228.0,	0.0);	(436895.4,	3724784.2,	203.1,	228.0,	0.0);
(	436899.5,	3724775.7,	202.9,	228.0,	0.0);	(436903.5,	3724767.1,	202.9,	228.0,	0.0);
(	436907.6,	3724758.6,	202.6,	228.0,	0.0);	(436911.7,	3724750.1,	202.2,	228.0,	0.0);
(	436915.7,	3724741.6,	201.8,	228.0,	0.0);	(436919.8,	3724733.0,	201.3,	227.0,	0.0);
(	436923.8,	3724724.5,	200.8,	227.0,	0.0);	(436927.9,	3724716.0,	200.1,	227.0,	0.0);
(	436932.0,	3724707.5,	199.3,	227.0,	0.0);	(436936.0,	3724698.9,	198.5,	227.0,	0.0);
(	436940.1,	3724690.4,	197.8,	227.0,	0.0);	(436910.2,	3725807.1,	222.9,	242.0,	0.0);
(	436916.5,	3725814.1,	224.2,	242.0,	0.0);	(436922.8,	3725821.2,	225.3,	242.0,	0.0);
(	436877.3,	3725825.0,	225.0,	241.0,	0.0);	(436874.2,	3725816.2,	224.0,	242.0,	0.0);
(	436871.1,	3725807.4,	223.1,	242.0,	0.0);	(436868.0,	3725798.6,	222.0,	242.0,	0.0);
(	436864.9,	3725789.8,	220.8,	242.0,	0.0);	(436861.8,	3725781.0,	219.8,	242.0,	0.0);
(	436858.6,	3725772.2,	218.6,	242.0,	0.0);	(436855.5,	3725763.4,	217.1,	242.0,	0.0);
(	436852.4,	3725754.5,	215.7,	242.0,	0.0);	(436836.9,	3725710.5,	212.6,	242.0,	0.0);
(	436833.8,	3725701.7,	213.3,	242.0,	0.0);	(436830.6,	3725692.9,	213.7,	242.0,	0.0);
(	436827.5,	3725684.1,	214.1,	242.0,	0.0);	(436824.4,	3725675.3,	214.9,	242.0,	0.0);
(	436821.3,	3725666.5,	215.8,	242.0,	0.0);	(436818.2,	3725657.7,	216.7,	227.0,	0.0);
(	436815.1,	3725648.9,	218.1,	227.0,	0.0);	(436812.0,	3725640.0,	219.5,	227.0,	0.0);
(	436808.9,	3725631.2,	220.9,	227.0,	0.0);	(436716.7,	3725073.2,	218.7,	233.0,	0.0);
(	436720.8,	3725064.8,	217.7,	233.0,	0.0);	(436724.8,	3725056.3,	217.7,	233.0,	0.0);
(	436728.8,	3725047.9,	217.2,	233.0,	0.0);	(436732.8,	3725039.5,	216.8,	233.0,	0.0);
(	436736.8,	3725031.0,	216.4,	233.0,	0.0);	(436740.8,	3725022.6,	216.2,	233.0,	0.0);
(	436744.9,	3725014.2,	215.8,	233.0,	0.0);	(436748.9,	3725005.7,	215.2,	233.0,	0.0);
(	436752.9,	3724997.3,	214.5,	233.0,	0.0);	(436756.9,	3724988.9,	213.5,	233.0,	0.0);
(	436760.9,	3724980.4,	212.5,	233.0,	0.0);	(436765.0,	3724972.0,	211.5,	233.0,	0.0);
(	436769.0,	3724963.6,	210.6,	233.0,	0.0);	(436773.0,	3724955.1,	210.0,	233.0,	0.0);
(	436777.0,	3724946.7,	209.2,	233.0,	0.0);	(436781.0,	3724938.3,	208.4,	233.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436785.0,	3724929.8,	207.9,	233.0,	0.0);	(436789.1,	3724921.4,	207.3,	233.0,	0.0);
(436793.1,	3724913.0,	206.7,	233.0,	0.0);	(436797.1,	3724904.5,	206.0,	233.0,	0.0);
(436801.1,	3724896.1,	205.3,	233.0,	0.0);	(436805.1,	3724887.7,	204.8,	233.0,	0.0);
(436809.2,	3724879.2,	204.3,	233.0,	0.0);	(436813.2,	3724870.8,	203.7,	233.0,	0.0);
(436817.2,	3724862.4,	203.1,	233.0,	0.0);	(436821.2,	3724853.9,	202.6,	233.0,	0.0);
(436825.2,	3724845.5,	202.0,	233.0,	0.0);	(436829.2,	3724837.1,	201.3,	232.0,	0.0);
(436833.3,	3724828.6,	200.7,	232.0,	0.0);	(436837.3,	3724820.2,	200.2,	232.0,	0.0);
(436841.3,	3724811.8,	199.6,	232.0,	0.0);	(436845.3,	3724803.4,	198.8,	232.0,	0.0);
(436849.3,	3724794.9,	198.1,	228.0,	0.0);	(436853.4,	3724786.5,	197.4,	228.0,	0.0);
(436857.4,	3724778.1,	197.1,	228.0,	0.0);	(436861.4,	3724769.6,	196.7,	228.0,	0.0);
(436865.4,	3724761.2,	196.2,	228.0,	0.0);	(436869.4,	3724752.8,	195.8,	228.0,	0.0);
(436873.5,	3724744.3,	195.8,	228.0,	0.0);	(436877.5,	3724735.9,	195.6,	228.0,	0.0);
(436881.5,	3724727.5,	195.3,	228.0,	0.0);	(436885.5,	3724719.0,	195.0,	228.0,	0.0);
(436889.5,	3724710.6,	194.6,	228.0,	0.0);	(436893.5,	3724702.2,	194.2,	228.0,	0.0);
(436897.6,	3724693.7,	193.6,	228.0,	0.0);	(436901.6,	3724685.3,	193.1,	228.0,	0.0);
(436905.6,	3724676.9,	192.6,	228.0,	0.0);	(436909.6,	3724668.4,	191.9,	228.0,	0.0);
(436913.6,	3724660.0,	191.3,	228.0,	0.0);	(436917.6,	3724651.6,	190.8,	228.0,	0.0);
(436921.7,	3724643.1,	190.2,	228.0,	0.0);	(436925.7,	3724634.7,	189.7,	228.0,	0.0);
(436929.7,	3724626.3,	189.4,	228.0,	0.0);	(436933.7,	3724617.8,	188.9,	228.0,	0.0);
(436937.8,	3724609.4,	188.3,	228.0,	0.0);	(436941.8,	3724601.0,	188.2,	227.0,	0.0);
(436880.4,	3725833.8,	226.1,	241.0,	0.0);	(436886.7,	3725840.9,	226.5,	241.0,	0.0);
(436893.0,	3725847.9,	226.5,	241.0,	0.0);	(436847.5,	3725851.7,	224.5,	224.5,	0.0);
(436844.4,	3725842.9,	224.3,	224.3,	0.0);	(436841.3,	3725834.0,	224.0,	224.0,	0.0);
(436838.2,	3725825.2,	223.2,	223.2,	0.0);	(436835.0,	3725816.3,	222.6,	222.6,	0.0);
(436831.9,	3725807.5,	222.1,	222.1,	0.0);	(436828.8,	3725798.7,	221.5,	241.0,	0.0);
(436825.7,	3725789.8,	220.9,	241.0,	0.0);	(436822.5,	3725781.0,	220.3,	241.0,	0.0);
(436819.4,	3725772.1,	219.4,	241.0,	0.0);	(436816.3,	3725763.3,	218.2,	242.0,	0.0);
(436791.3,	3725692.6,	211.1,	242.0,	0.0);	(436788.2,	3725683.8,	210.8,	242.0,	0.0);
(436673.0,	3725079.1,	227.8,	233.0,	0.0);	(436677.0,	3725070.6,	226.2,	233.0,	0.0);
(436681.0,	3725062.2,	224.5,	233.0,	0.0);	(436685.1,	3725053.7,	222.7,	233.0,	0.0);
(436689.1,	3725045.2,	220.3,	233.0,	0.0);	(436693.1,	3725036.8,	218.3,	233.0,	0.0);
(436697.2,	3725028.3,	216.3,	233.0,	0.0);	(436701.2,	3725019.8,	215.0,	233.0,	0.0);
(436705.2,	3725011.4,	214.0,	233.0,	0.0);	(436709.3,	3725002.9,	213.1,	233.0,	0.0);
(436713.3,	3724994.5,	212.3,	233.0,	0.0);	(436717.3,	3724986.0,	211.2,	233.0,	0.0);
(436721.4,	3724977.5,	210.2,	233.0,	0.0);	(436725.4,	3724969.1,	209.3,	233.0,	0.0);
(436729.4,	3724960.6,	208.8,	233.0,	0.0);	(436733.5,	3724952.1,	208.4,	233.0,	0.0);
(436737.5,	3724943.7,	207.7,	233.0,	0.0);	(436741.5,	3724935.2,	206.8,	233.0,	0.0);
(436745.6,	3724926.8,	205.8,	233.0,	0.0);	(436749.6,	3724918.3,	204.8,	233.0,	0.0);
(436753.6,	3724909.8,	204.4,	233.0,	0.0);	(436757.7,	3724901.4,	204.0,	233.0,	0.0);
(436761.7,	3724892.9,	203.4,	233.0,	0.0);	(436765.7,	3724884.4,	202.7,	233.0,	0.0);
(436769.8,	3724876.0,	201.7,	233.0,	0.0);	(436773.8,	3724867.5,	201.2,	233.0,	0.0);
(436777.8,	3724859.0,	200.6,	233.0,	0.0);	(436781.9,	3724850.6,	200.2,	233.0,	0.0);
(436785.9,	3724842.1,	200.0,	233.0,	0.0);	(436789.9,	3724833.7,	199.5,	233.0,	0.0);
(436794.0,	3724825.2,	198.8,	233.0,	0.0);	(436798.0,	3724816.7,	197.8,	233.0,	0.0);
(436802.0,	3724808.3,	197.1,	233.0,	0.0);	(436806.1,	3724799.8,	196.2,	233.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436810.1,	3724791.3,	195.4,	233.0,	0.0);	(436814.1,	3724782.9,	195.1,	233.0,	0.0);
(436818.2,	3724774.4,	195.1,	233.0,	0.0);	(436822.2,	3724766.0,	194.9,	233.0,	0.0);
(436826.2,	3724757.5,	194.5,	233.0,	0.0);	(436830.3,	3724749.0,	194.1,	232.0,	0.0);
(436834.3,	3724740.6,	193.7,	232.0,	0.0);	(436838.3,	3724732.1,	193.2,	232.0,	0.0);
(436842.4,	3724723.6,	193.0,	228.0,	0.0);	(436846.4,	3724715.2,	192.8,	228.0,	0.0);
(436850.4,	3724706.7,	192.5,	228.0,	0.0);	(436854.5,	3724698.3,	192.1,	228.0,	0.0);
(436858.5,	3724689.8,	191.9,	228.0,	0.0);	(436862.5,	3724681.3,	191.5,	228.0,	0.0);
(436866.6,	3724672.9,	190.8,	228.0,	0.0);	(436870.6,	3724664.4,	190.1,	228.0,	0.0);
(436874.6,	3724655.9,	190.3,	228.0,	0.0);	(436878.7,	3724647.5,	190.2,	228.0,	0.0);
(436882.7,	3724639.0,	189.8,	228.0,	0.0);	(436886.7,	3724630.6,	189.6,	228.0,	0.0);
(436890.8,	3724622.1,	189.7,	228.0,	0.0);	(436894.8,	3724613.6,	189.9,	227.0,	0.0);
(436898.8,	3724605.2,	190.3,	227.0,	0.0);	(436902.9,	3724596.7,	191.8,	227.0,	0.0);
(436906.9,	3724588.2,	193.1,	220.0,	0.0);	(436910.9,	3724579.8,	194.1,	220.0,	0.0);
(436915.0,	3724571.3,	195.4,	220.0,	0.0);	(436850.6,	3725860.5,	224.7,	224.7,	0.0);
(436857.0,	3725867.6,	225.0,	225.0,	0.0);	(436863.3,	3725874.6,	224.6,	241.0,	0.0);
(436817.8,	3725878.4,	222.0,	222.0,	0.0);	(436814.6,	3725869.5,	222.2,	222.2,	0.0);
(436811.5,	3725860.6,	222.3,	222.3,	0.0);	(436808.3,	3725851.8,	222.4,	222.4,	0.0);
(436805.2,	3725842.9,	222.5,	222.5,	0.0);	(436802.1,	3725834.0,	222.4,	222.4,	0.0);
(436799.0,	3725825.2,	221.9,	221.9,	0.0);	(436795.8,	3725816.3,	221.4,	221.4,	0.0);
(436792.7,	3725807.4,	220.9,	220.9,	0.0);	(436789.6,	3725798.6,	220.2,	220.2,	0.0);
(436786.4,	3725789.7,	219.4,	219.4,	0.0);	(436783.3,	3725780.8,	218.6,	218.6,	0.0);
(436657.5,	3725025.6,	226.1,	233.0,	0.0);	(436661.5,	3725017.1,	223.7,	233.0,	0.0);
(436665.6,	3725008.7,	221.1,	233.0,	0.0);	(436669.6,	3725000.2,	218.7,	233.0,	0.0);
(436673.7,	3724991.7,	217.1,	233.0,	0.0);	(436677.7,	3724983.2,	216.1,	233.0,	0.0);
(436681.8,	3724974.7,	215.0,	233.0,	0.0);	(436685.8,	3724966.2,	213.9,	233.0,	0.0);
(436689.9,	3724957.7,	213.2,	233.0,	0.0);	(436693.9,	3724949.2,	212.9,	233.0,	0.0);
(436698.0,	3724940.7,	212.5,	233.0,	0.0);	(436702.0,	3724932.2,	211.9,	233.0,	0.0);
(436706.1,	3724923.8,	211.0,	233.0,	0.0);	(436710.1,	3724915.2,	210.1,	233.0,	0.0);
(436714.1,	3724906.8,	209.1,	233.0,	0.0);	(436718.2,	3724898.3,	208.3,	233.0,	0.0);
(436722.2,	3724889.8,	207.6,	233.0,	0.0);	(436726.3,	3724881.3,	206.9,	233.0,	0.0);
(436730.3,	3724872.8,	206.1,	233.0,	0.0);	(436734.4,	3724864.3,	205.3,	233.0,	0.0);
(436738.4,	3724855.8,	204.6,	233.0,	0.0);	(436742.5,	3724847.3,	204.0,	233.0,	0.0);
(436746.5,	3724838.8,	203.2,	233.0,	0.0);	(436750.6,	3724830.3,	202.4,	233.0,	0.0);
(436754.6,	3724821.8,	201.7,	233.0,	0.0);	(436758.7,	3724813.4,	201.1,	233.0,	0.0);
(436762.7,	3724804.9,	200.5,	233.0,	0.0);	(436766.8,	3724796.4,	199.9,	233.0,	0.0);
(436770.8,	3724787.9,	199.2,	233.0,	0.0);	(436774.8,	3724779.4,	198.7,	233.0,	0.0);
(436778.9,	3724770.9,	198.1,	233.0,	0.0);	(436782.9,	3724762.4,	197.7,	232.0,	0.0);
(436787.0,	3724753.9,	197.2,	232.0,	0.0);	(436791.0,	3724745.4,	196.7,	232.0,	0.0);
(436795.1,	3724736.9,	196.1,	228.0,	0.0);	(436799.1,	3724728.4,	195.5,	228.0,	0.0);
(436803.2,	3724720.0,	195.0,	228.0,	0.0);	(436807.2,	3724711.5,	194.8,	228.0,	0.0);
(436811.3,	3724703.0,	194.6,	228.0,	0.0);	(436815.3,	3724694.5,	194.5,	228.0,	0.0);
(436819.4,	3724686.0,	194.7,	228.0,	0.0);	(436823.4,	3724677.5,	194.9,	228.0,	0.0);
(436827.5,	3724669.0,	195.0,	227.0,	0.0);	(436831.5,	3724660.5,	194.9,	227.0,	0.0);
(436835.5,	3724652.0,	194.5,	227.0,	0.0);	(436839.6,	3724643.5,	194.0,	227.0,	0.0);
(436843.6,	3724635.0,	193.6,	227.0,	0.0);	(436847.7,	3724626.6,	193.5,	227.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436851.7,	3724618.1,	193.4,	227.0,	0.0);	(436855.8,	3724609.6,	193.3,	227.0,	0.0);
(436859.8,	3724601.1,	193.8,	220.0,	0.0);	(436863.9,	3724592.6,	194.9,	220.0,	0.0);
(436867.9,	3724584.1,	196.4,	220.0,	0.0);	(436872.0,	3724575.6,	198.1,	214.0,	0.0);
(436876.0,	3724567.1,	201.0,	214.0,	0.0);	(436880.0,	3724558.6,	203.9,	214.0,	0.0);
(436884.1,	3724550.1,	206.6,	214.0,	0.0);	(436888.1,	3724541.6,	208.0,	214.0,	0.0);
(436820.9,	3725887.3,	221.8,	221.8,	0.0);	(436827.2,	3725894.3,	221.7,	221.7,	0.0);
(436833.5,	3725901.3,	221.5,	221.5,	0.0);	(436788.0,	3725905.1,	219.0,	219.0,	0.0);
(436784.8,	3725896.2,	219.4,	219.4,	0.0);	(436781.7,	3725887.3,	219.4,	219.4,	0.0);
(436778.5,	3725878.4,	219.4,	219.4,	0.0);	(436775.4,	3725869.5,	219.2,	220.0,	0.0);
(436772.3,	3725860.6,	219.1,	219.1,	0.0);	(436769.1,	3725851.7,	219.2,	219.2,	0.0);
(436766.0,	3725842.8,	219.6,	219.6,	0.0);	(436762.8,	3725833.9,	219.8,	219.8,	0.0);
(436759.7,	3725825.0,	219.3,	219.3,	0.0);	(436756.6,	3725816.1,	218.8,	218.8,	0.0);
(436753.4,	3725807.2,	218.3,	218.3,	0.0);	(436750.3,	3725798.3,	217.5,	217.5,	0.0);
(436747.1,	3725789.4,	216.6,	216.6,	0.0);	(436650.3,	3724954.9,	218.8,	233.0,	0.0);
(436654.3,	3724946.4,	218.1,	233.0,	0.0);	(436658.4,	3724937.8,	217.9,	233.0,	0.0);
(436662.5,	3724929.3,	217.4,	232.0,	0.0);	(436666.5,	3724920.8,	216.7,	232.0,	0.0);
(436670.6,	3724912.3,	216.0,	232.0,	0.0);	(436674.6,	3724903.8,	215.5,	232.0,	0.0);
(436678.7,	3724895.2,	215.1,	232.0,	0.0);	(436682.8,	3724886.7,	214.7,	214.7,	0.0);
(436686.8,	3724878.2,	214.3,	214.3,	0.0);	(436690.9,	3724869.7,	213.9,	218.0,	0.0);
(436694.9,	3724861.2,	213.2,	218.0,	0.0);	(436699.0,	3724852.7,	212.4,	218.0,	0.0);
(436703.0,	3724844.1,	211.4,	218.0,	0.0);	(436707.1,	3724835.6,	210.4,	218.0,	0.0);
(436711.2,	3724827.1,	209.5,	218.0,	0.0);	(436715.2,	3724818.6,	208.8,	218.0,	0.0);
(436719.3,	3724810.1,	207.7,	218.0,	0.0);	(436723.3,	3724801.6,	206.4,	218.0,	0.0);
(436727.4,	3724793.0,	205.3,	218.0,	0.0);	(436731.5,	3724784.5,	204.5,	218.0,	0.0);
(436735.5,	3724776.0,	204.4,	218.0,	0.0);	(436739.6,	3724767.5,	204.2,	218.0,	0.0);
(436743.6,	3724759.0,	203.9,	218.0,	0.0);	(436747.7,	3724750.5,	203.3,	218.0,	0.0);
(436751.8,	3724741.9,	202.6,	218.0,	0.0);	(436755.8,	3724733.4,	202.0,	227.0,	0.0);
(436759.9,	3724724.9,	201.3,	227.0,	0.0);	(436763.9,	3724716.4,	200.4,	227.0,	0.0);
(436768.0,	3724707.9,	199.7,	227.0,	0.0);	(436772.0,	3724699.3,	199.0,	227.0,	0.0);
(436776.1,	3724690.8,	198.6,	227.0,	0.0);	(436780.2,	3724682.3,	198.4,	227.0,	0.0);
(436784.2,	3724673.8,	198.4,	216.0,	0.0);	(436788.3,	3724665.3,	198.5,	215.0,	0.0);
(436792.3,	3724656.8,	199.3,	215.0,	0.0);	(436796.4,	3724648.2,	199.9,	215.0,	0.0);
(436800.5,	3724639.7,	200.2,	215.0,	0.0);	(436804.5,	3724631.2,	199.9,	215.0,	0.0);
(436808.6,	3724622.7,	199.2,	215.0,	0.0);	(436812.6,	3724614.2,	198.6,	215.0,	0.0);
(436816.7,	3724605.7,	198.1,	215.0,	0.0);	(436820.8,	3724597.1,	198.1,	215.0,	0.0);
(436824.8,	3724588.6,	198.1,	214.0,	0.0);	(436828.9,	3724580.1,	198.2,	214.0,	0.0);
(436832.9,	3724571.6,	199.2,	214.0,	0.0);	(436837.0,	3724563.1,	201.5,	214.0,	0.0);
(436841.0,	3724554.6,	204.3,	214.0,	0.0);	(436845.1,	3724546.0,	207.4,	214.0,	0.0);
(436849.2,	3724537.5,	209.3,	214.0,	0.0);	(436853.2,	3724529.0,	210.9,	214.0,	0.0);
(436857.3,	3724520.5,	212.1,	214.0,	0.0);	(436861.3,	3724512.0,	211.3,	214.0,	0.0);
(436791.1,	3725914.0,	218.6,	218.6,	0.0);	(436797.4,	3725921.0,	218.5,	218.5,	0.0);
(436803.8,	3725928.1,	218.4,	218.4,	0.0);	(437276.6,	3725541.5,	209.5,	239.0,	0.0);
(437288.5,	3725554.5,	211.2,	228.0,	0.0);	(437300.3,	3725567.6,	212.0,	228.0,	0.0);
(437242.6,	3725548.6,	209.6,	242.0,	0.0);	(437254.4,	3725561.6,	210.0,	242.0,	0.0);
(437244.0,	3725594.8,	212.5,	242.0,	0.0);	(437255.8,	3725607.8,	212.1,	242.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437198.1,	3725588.9,	212.8,	242.0,	0.0);	(437210.0,	3725601.9,	213.2,	242.0,	0.0);
(437221.8,	3725615.0,	213.3,	242.0,	0.0);	(437233.6,	3725628.0,	213.0,	242.0,	0.0);
(437175.9,	3725609.0,	216.1,	242.0,	0.0);	(437199.5,	3725635.1,	215.6,	242.0,	0.0);
(437153.7,	3725629.2,	220.1,	242.0,	0.0);	(437165.5,	3725642.2,	219.4,	242.0,	0.0);
(437131.5,	3725649.3,	222.2,	242.0,	0.0);	(437143.3,	3725662.4,	222.0,	242.0,	0.0);
(437155.1,	3725675.4,	221.4,	242.0,	0.0);	(437166.9,	3725688.4,	220.5,	242.0,	0.0);
(437079.6,	3725696.3,	232.4,	242.0,	0.0);	(437091.4,	3725709.4,	232.5,	242.0,	0.0);
(437103.2,	3725722.4,	232.4,	242.0,	0.0);	(437050.0,	3725723.2,	236.2,	242.0,	0.0);
(437032.1,	3725763.1,	238.6,	242.0,	0.0);	(436990.7,	3725776.9,	232.3,	242.0,	0.0);
(437002.5,	3725790.0,	235.2,	242.0,	0.0);	(437014.3,	3725803.0,	238.5,	240.0,	0.0);
(437026.1,	3725816.0,	240.4,	240.4,	0.0);	(436961.0,	3725803.8,	227.3,	242.0,	0.0);
(436972.9,	3725816.8,	230.3,	242.0,	0.0);	(436984.7,	3725829.9,	233.6,	242.0,	0.0);
(436996.5,	3725842.9,	236.1,	241.0,	0.0);	(436931.4,	3725830.7,	226.6,	242.0,	0.0);
(436943.2,	3725843.7,	228.1,	242.0,	0.0);	(436955.0,	3725856.7,	228.9,	242.0,	0.0);
(436966.8,	3725869.8,	229.7,	241.0,	0.0);	(436901.8,	3725857.5,	226.3,	241.0,	0.0);
(436913.6,	3725870.6,	225.5,	241.0,	0.0);	(436925.4,	3725883.6,	224.2,	242.0,	0.0);
(436937.2,	3725896.6,	223.5,	242.0,	0.0);	(436872.1,	3725884.4,	223.6,	241.0,	0.0);
(436884.0,	3725897.4,	221.9,	241.0,	0.0);	(436895.8,	3725910.5,	220.2,	242.0,	0.0);
(436907.6,	3725923.5,	218.6,	245.0,	0.0);	(436842.5,	3725911.3,	220.9,	241.0,	0.0);
(436854.3,	3725924.3,	219.7,	241.0,	0.0);	(436866.1,	3725937.3,	217.6,	241.0,	0.0);
(436877.9,	3725950.4,	215.9,	245.0,	0.0);	(436812.9,	3725938.1,	217.8,	241.0,	0.0);
(436824.7,	3725951.1,	216.2,	241.0,	0.0);	(436836.5,	3725964.2,	214.3,	241.0,	0.0);
(436848.3,	3725977.2,	212.9,	246.0,	0.0);	(436967.7,	3725574.4,	220.4,	240.0,	0.0);
(436930.8,	3725589.8,	224.2,	225.0,	0.0);	(436893.9,	3725605.2,	225.2,	225.2,	0.0);
(436857.0,	3725620.7,	226.5,	226.5,	0.0);	(436820.1,	3725636.1,	221.3,	227.0,	0.0);
(436730.3,	3725021.9,	214.5,	233.0,	0.0);	(436692.6,	3725008.6,	215.0,	233.0,	0.0);
(436654.9,	3724995.4,	220.9,	233.0,	0.0);	(437486.3,	3725583.1,	215.8,	228.0,	0.0);
(437493.7,	3725589.3,	215.8,	228.0,	0.0);	(437501.1,	3725595.6,	215.9,	228.0,	0.0);
(437508.5,	3725601.9,	215.8,	245.0,	0.0);	(437436.4,	3725566.9,	220.3,	227.0,	0.0);
(437443.8,	3725573.2,	219.9,	227.0,	0.0);	(437451.2,	3725579.5,	219.3,	227.0,	0.0);
(437458.6,	3725585.7,	218.8,	228.0,	0.0);	(437466.0,	3725592.0,	218.2,	228.0,	0.0);
(437473.3,	3725598.3,	218.0,	228.0,	0.0);	(437480.7,	3725604.6,	218.0,	228.0,	0.0);
(437488.1,	3725610.9,	217.9,	228.0,	0.0);	(437495.5,	3725617.1,	217.8,	228.0,	0.0);
(437396.3,	3725555.4,	221.0,	221.0,	0.0);	(437401.3,	3725563.3,	221.6,	225.0,	0.0);
(437408.7,	3725569.6,	222.3,	225.0,	0.0);	(437423.5,	3725582.1,	222.4,	225.0,	0.0);
(437430.8,	3725588.4,	222.3,	227.0,	0.0);	(437438.2,	3725594.7,	222.0,	227.0,	0.0);
(437445.6,	3725601.0,	221.8,	227.0,	0.0);	(437453.0,	3725607.3,	221.5,	227.0,	0.0);
(437460.4,	3725613.5,	221.2,	228.0,	0.0);	(437467.8,	3725619.8,	220.7,	228.0,	0.0);
(437475.2,	3725626.1,	220.4,	228.0,	0.0);	(437482.6,	3725632.4,	220.3,	226.0,	0.0);
(437376.9,	3725578.3,	221.0,	227.0,	0.0);	(437371.9,	3725570.4,	220.1,	227.0,	0.0);
(437366.9,	3725562.5,	219.2,	227.0,	0.0);	(437361.9,	3725554.7,	218.5,	225.0,	0.0);
(437381.9,	3725586.2,	221.8,	227.0,	0.0);	(437389.2,	3725592.4,	222.8,	227.0,	0.0);
(437396.6,	3725598.7,	223.9,	227.0,	0.0);	(437404.0,	3725605.0,	225.1,	225.1,	0.0);
(437455.8,	3725649.0,	224.5,	224.5,	0.0);	(437463.1,	3725655.2,	224.4,	224.4,	0.0);
(437357.5,	3725601.2,	219.3,	228.0,	0.0);	(437352.5,	3725593.3,	218.3,	228.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437362.4,	3725609.0,	220.5,	228.0,	0.0);	(437369.8,	3725615.3,	222.2,	228.0,	0.0);
(	437377.2,	3725621.6,	224.1,	225.0,	0.0);	(437384.6,	3725627.9,	225.3,	225.3,	0.0);
(	437392.0,	3725634.1,	225.9,	225.9,	0.0);	(437399.4,	3725640.4,	226.6,	226.6,	0.0);
(	437421.5,	3725659.3,	227.2,	227.2,	0.0);	(437428.9,	3725665.5,	226.8,	226.8,	0.0);
(	437436.3,	3725671.8,	226.6,	226.6,	0.0);	(437443.7,	3725678.1,	226.6,	226.6,	0.0);
(	437296.5,	3725558.6,	211.7,	228.0,	0.0);	(437286.2,	3725542.3,	210.2,	228.0,	0.0);
(	437343.0,	3725631.9,	217.5,	228.0,	0.0);	(437350.4,	3725638.2,	218.8,	228.0,	0.0);
(	437357.8,	3725644.4,	220.2,	228.0,	0.0);	(437365.2,	3725650.7,	221.7,	228.0,	0.0);
(	437372.6,	3725657.0,	223.3,	228.0,	0.0);	(437380.0,	3725663.3,	224.8,	228.0,	0.0);
(	437387.3,	3725669.6,	225.3,	228.0,	0.0);	(437409.5,	3725688.4,	227.0,	227.0,	0.0);
(	437416.9,	3725694.7,	227.0,	227.0,	0.0);	(437424.3,	3725701.0,	227.0,	227.0,	0.0);
(	437303.0,	3725622.4,	212.5,	239.0,	0.0);	(437297.9,	3725614.3,	212.3,	242.0,	0.0);
(	437292.8,	3725606.2,	212.1,	242.0,	0.0);	(437287.6,	3725598.1,	212.0,	242.0,	0.0);
(	437267.1,	3725565.7,	210.5,	242.0,	0.0);	(437256.8,	3725549.5,	209.0,	242.0,	0.0);
(	437251.7,	3725541.4,	208.7,	242.0,	0.0);	(437338.3,	3725667.3,	215.5,	228.0,	0.0);
(	437345.7,	3725673.6,	216.7,	228.0,	0.0);	(437353.1,	3725679.9,	218.0,	228.0,	0.0);
(	437360.5,	3725686.1,	219.6,	228.0,	0.0);	(437367.9,	3725692.4,	220.8,	228.0,	0.0);
(	437375.3,	3725698.7,	221.9,	228.0,	0.0);	(437382.7,	3725705.0,	222.6,	227.0,	0.0);
(	437283.7,	3725645.4,	212.1,	242.0,	0.0);	(437278.6,	3725637.3,	212.1,	242.0,	0.0);
(	437273.5,	3725629.3,	212.1,	242.0,	0.0);	(437268.4,	3725621.2,	212.0,	242.0,	0.0);
(	437263.3,	3725613.2,	212.0,	242.0,	0.0);	(437253.1,	3725597.1,	212.2,	242.0,	0.0);
(	437232.6,	3725564.9,	211.7,	242.0,	0.0);	(437227.5,	3725556.8,	211.1,	242.0,	0.0);
(	437222.4,	3725548.8,	210.5,	242.0,	0.0);	(437217.3,	3725540.7,	210.2,	242.0,	0.0);
(	437333.7,	3725702.7,	214.1,	245.0,	0.0);	(437370.6,	3725734.1,	218.5,	245.0,	0.0);
(	437378.0,	3725740.4,	219.2,	245.0,	0.0);	(437279.6,	3725692.4,	213.4,	242.0,	0.0);
(	437274.5,	3725684.4,	213.4,	242.0,	0.0);	(437269.5,	3725676.4,	213.4,	242.0,	0.0);
(	437249.1,	3725644.3,	213.2,	242.0,	0.0);	(437244.0,	3725636.3,	213.0,	242.0,	0.0);
(	437223.7,	3725604.2,	213.1,	242.0,	0.0);	(437218.6,	3725596.2,	213.0,	242.0,	0.0);
(	437213.5,	3725588.2,	212.7,	242.0,	0.0);	(437198.3,	3725564.2,	212.0,	242.0,	0.0);
(	437193.2,	3725556.1,	211.9,	242.0,	0.0);	(437188.1,	3725548.1,	211.8,	242.0,	0.0);
(	437284.7,	3725700.5,	213.2,	242.0,	0.0);	(437292.1,	3725706.7,	212.9,	244.0,	0.0);
(	437299.5,	3725713.0,	212.7,	245.0,	0.0);	(437336.4,	3725744.4,	213.7,	262.0,	0.0);
(	437343.8,	3725750.7,	214.5,	262.0,	0.0);	(437351.2,	3725757.0,	215.2,	262.0,	0.0);
(	437358.6,	3725763.3,	216.0,	262.0,	0.0);	(437366.0,	3725769.5,	216.8,	262.0,	0.0);
(	437260.2,	3725715.3,	214.9,	242.0,	0.0);	(437255.2,	3725707.3,	215.0,	242.0,	0.0);
(	437250.1,	3725699.4,	215.1,	242.0,	0.0);	(437245.0,	3725691.4,	215.2,	242.0,	0.0);
(	437240.0,	3725683.4,	215.2,	242.0,	0.0);	(437234.9,	3725675.4,	215.3,	242.0,	0.0);
(	437229.8,	3725667.4,	215.4,	242.0,	0.0);	(437209.6,	3725635.5,	215.0,	242.0,	0.0);
(	437204.5,	3725627.5,	214.8,	242.0,	0.0);	(437199.5,	3725619.5,	214.6,	242.0,	0.0);
(	437194.4,	3725611.5,	214.6,	242.0,	0.0);	(437164.0,	3725563.6,	213.3,	242.0,	0.0);
(	437158.9,	3725555.6,	213.4,	242.0,	0.0);	(437153.9,	3725547.6,	213.4,	242.0,	0.0);
(	437265.3,	3725723.3,	214.8,	244.0,	0.0);	(437294.8,	3725748.4,	212.9,	262.0,	0.0);
(	437324.4,	3725773.6,	214.0,	262.0,	0.0);	(437331.8,	3725779.8,	214.7,	262.0,	0.0);
(	437339.2,	3725786.1,	215.3,	262.0,	0.0);	(437346.6,	3725792.4,	216.0,	262.0,	0.0);
(	437225.7,	3725714.3,	217.2,	242.0,	0.0);	(437220.6,	3725706.4,	217.3,	242.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437215.6,	3725698.4,	217.3,	242.0,	0.0);	(	437210.5,	3725690.5,	217.4,	242.0,	0.0);
(	437205.5,	3725682.5,	217.5,	242.0,	0.0);	(	437200.4,	3725674.5,	217.6,	242.0,	0.0);
(	437175.2,	3725634.8,	218.4,	242.0,	0.0);	(	437170.2,	3725626.8,	218.9,	242.0,	0.0);
(	437165.1,	3725618.8,	218.4,	242.0,	0.0);	(	437160.1,	3725610.9,	217.9,	242.0,	0.0);
(	437155.0,	3725602.9,	217.6,	242.0,	0.0);	(	437150.0,	3725595.0,	217.5,	242.0,	0.0);
(	437134.8,	3725571.1,	216.1,	242.0,	0.0);	(	437129.8,	3725563.1,	215.8,	242.0,	0.0);
(	437124.7,	3725555.2,	215.8,	242.0,	0.0);	(	437245.9,	3725746.2,	216.5,	245.0,	0.0);
(	437253.2,	3725752.5,	216.3,	245.0,	0.0);	(	437260.6,	3725758.7,	215.9,	251.0,	0.0);
(	437268.0,	3725765.0,	215.3,	257.0,	0.0);	(	437275.4,	3725771.3,	214.9,	257.0,	0.0);
(	437282.8,	3725777.6,	214.6,	262.0,	0.0);	(	437312.4,	3725802.7,	216.0,	262.0,	0.0);
(	437319.8,	3725809.0,	216.2,	262.0,	0.0);	(	437327.1,	3725815.3,	216.8,	262.0,	0.0);
(	437221.3,	3725760.9,	218.1,	245.0,	0.0);	(	437216.1,	3725752.7,	218.1,	245.0,	0.0);
(	437210.9,	3725744.6,	218.2,	244.0,	0.0);	(	437205.7,	3725736.4,	218.6,	242.0,	0.0);
(	437169.5,	3725679.3,	219.8,	242.0,	0.0);	(	437164.3,	3725671.1,	220.1,	242.0,	0.0);
(	437159.2,	3725662.9,	220.4,	242.0,	0.0);	(	437154.0,	3725654.8,	220.5,	242.0,	0.0);
(	437148.8,	3725646.6,	220.9,	242.0,	0.0);	(	437143.6,	3725638.5,	221.1,	242.0,	0.0);
(	437138.5,	3725630.3,	221.2,	242.0,	0.0);	(	437133.3,	3725622.1,	221.0,	242.0,	0.0);
(	437102.2,	3725573.2,	218.7,	242.0,	0.0);	(	437307.7,	3725838.1,	218.5,	262.0,	0.0);
(	437176.1,	3725743.1,	221.4,	242.0,	0.0);	(	437170.9,	3725735.0,	221.9,	242.0,	0.0);
(	437165.8,	3725726.9,	222.4,	242.0,	0.0);	(	437160.6,	3725718.8,	222.9,	242.0,	0.0);
(	437140.0,	3725686.3,	224.0,	242.0,	0.0);	(	437134.9,	3725678.1,	223.9,	242.0,	0.0);
(	437129.7,	3725670.0,	223.7,	242.0,	0.0);	(	437098.8,	3725621.3,	222.0,	242.0,	0.0);
(	437093.6,	3725613.1,	221.7,	242.0,	0.0);	(	437088.5,	3725605.0,	221.3,	242.0,	0.0);
(	437083.3,	3725596.9,	220.9,	242.0,	0.0);	(	437176.0,	3725814.4,	223.7,	245.0,	0.0);
(	437170.9,	3725806.3,	223.9,	245.0,	0.0);	(	437165.8,	3725798.3,	224.0,	244.0,	0.0);
(	437160.8,	3725790.3,	224.2,	244.0,	0.0);	(	437155.7,	3725782.3,	224.5,	242.0,	0.0);
(	437125.2,	3725734.2,	228.8,	242.0,	0.0);	(	437120.1,	3725726.2,	229.5,	242.0,	0.0);
(	437115.0,	3725718.1,	230.0,	242.0,	0.0);	(	437109.9,	3725710.1,	230.1,	242.0,	0.0);
(	437104.8,	3725702.1,	229.8,	242.0,	0.0);	(	437099.8,	3725694.1,	229.4,	242.0,	0.0);
(	437094.7,	3725686.1,	229.0,	242.0,	0.0);	(	437089.6,	3725678.1,	228.5,	242.0,	0.0);
(	437084.5,	3725670.0,	227.8,	242.0,	0.0);	(	437079.4,	3725662.0,	227.0,	242.0,	0.0);
(	437059.1,	3725630.0,	223.4,	242.0,	0.0);	(	437054.0,	3725621.9,	222.7,	242.0,	0.0);
(	437048.9,	3725613.9,	222.2,	242.0,	0.0);	(	437181.1,	3725822.4,	223.6,	245.0,	0.0);
(	437188.5,	3725828.6,	223.3,	246.0,	0.0);	(	437195.9,	3725834.9,	223.2,	246.0,	0.0);
(	437203.3,	3725841.2,	222.8,	251.0,	0.0);	(	437210.7,	3725847.5,	222.6,	251.0,	0.0);
(	437218.0,	3725853.8,	222.5,	254.0,	0.0);	(	437225.4,	3725860.0,	222.6,	257.0,	0.0);
(	437232.8,	3725866.3,	222.9,	257.0,	0.0);	(	437240.2,	3725872.6,	223.3,	257.0,	0.0);
(	437247.6,	3725878.9,	223.7,	257.0,	0.0);	(	437255.0,	3725885.2,	224.1,	257.0,	0.0);
(	437262.4,	3725891.4,	224.4,	257.0,	0.0);	(	437150.0,	3725844.7,	227.5,	245.0,	0.0);
(	437144.9,	3725836.6,	227.5,	244.0,	0.0);	(	437119.2,	3725796.1,	230.1,	242.0,	0.0);
(	437114.0,	3725787.9,	231.1,	242.0,	0.0);	(	437108.9,	3725779.8,	232.2,	242.0,	0.0);
(	437103.8,	3725771.7,	233.5,	242.0,	0.0);	(	437072.9,	3725723.0,	236.0,	242.0,	0.0);
(	437052.3,	3725690.6,	231.6,	242.0,	0.0);	(	437047.2,	3725682.5,	230.3,	242.0,	0.0);
(	437042.0,	3725674.4,	229.0,	242.0,	0.0);	(	437036.9,	3725666.3,	227.8,	242.0,	0.0);
(	437031.7,	3725658.1,	226.9,	242.0,	0.0);	(	437026.6,	3725650.0,	226.2,	242.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437155.2,	3725852.8,	227.6,	245.0,	0.0);	(	437162.6,	3725859.1,	227.2,	246.0,	0.0);
(	437170.0,	3725865.4,	226.9,	246.0,	0.0);	(	437177.4,	3725871.7,	226.6,	246.0,	0.0);
(	437184.8,	3725878.0,	226.5,	247.0,	0.0);	(	437192.1,	3725884.2,	226.4,	251.0,	0.0);
(	437199.5,	3725890.5,	226.5,	251.0,	0.0);	(	437206.9,	3725896.8,	226.8,	251.0,	0.0);
(	437214.3,	3725903.1,	227.2,	251.0,	0.0);	(	437221.7,	3725909.4,	227.6,	254.0,	0.0);
(	437229.1,	3725915.6,	228.0,	254.0,	0.0);	(	437236.5,	3725921.9,	228.2,	257.0,	0.0);
(	437124.2,	3725875.3,	232.3,	244.0,	0.0);	(	437119.1,	3725867.3,	232.2,	241.0,	0.0);
(	437114.0,	3725859.3,	232.1,	241.0,	0.0);	(	437109.0,	3725851.3,	232.2,	242.0,	0.0);
(	437103.9,	3725843.2,	232.8,	242.0,	0.0);	(	437098.8,	3725835.2,	233.5,	242.0,	0.0);
(	437093.7,	3725827.2,	234.9,	242.0,	0.0);	(	437088.6,	3725819.2,	236.1,	242.0,	0.0);
(	437027.6,	3725723.0,	232.9,	242.0,	0.0);	(	437022.5,	3725715.0,	231.3,	242.0,	0.0);
(	437017.4,	3725707.0,	230.5,	242.0,	0.0);	(	437012.4,	3725698.9,	229.6,	242.0,	0.0);
(	437007.3,	3725690.9,	228.6,	242.0,	0.0);	(	437002.2,	3725682.9,	227.5,	242.0,	0.0);
(	436997.1,	3725674.9,	226.4,	242.0,	0.0);	(	436992.0,	3725666.9,	225.6,	242.0,	0.0);
(	436986.9,	3725658.8,	224.8,	242.0,	0.0);	(	436981.8,	3725650.8,	223.9,	242.0,	0.0);
(	436936.1,	3725578.7,	222.6,	225.0,	0.0);	(	436931.0,	3725570.7,	222.4,	225.0,	0.0);
(	437129.3,	3725883.3,	232.4,	244.0,	0.0);	(	437136.7,	3725889.6,	231.9,	245.0,	0.0);
(	437144.1,	3725895.9,	231.5,	245.0,	0.0);	(	437151.5,	3725902.2,	231.1,	246.0,	0.0);
(	437158.8,	3725908.4,	230.8,	246.0,	0.0);	(	437166.2,	3725914.7,	230.5,	247.0,	0.0);
(	437173.6,	3725921.0,	230.5,	247.0,	0.0);	(	437181.0,	3725927.3,	230.8,	247.0,	0.0);
(	437188.4,	3725933.6,	231.2,	247.0,	0.0);	(	437195.8,	3725939.8,	231.6,	251.0,	0.0);
(	437203.2,	3725946.1,	231.8,	251.0,	0.0);	(	437210.6,	3725952.4,	231.9,	251.0,	0.0);
(	437098.2,	3725905.7,	238.0,	241.0,	0.0);	(	437093.1,	3725897.6,	238.3,	240.0,	0.0);
(	437088.0,	3725889.5,	238.5,	240.0,	0.0);	(	437082.8,	3725881.4,	239.0,	239.0,	0.0);
(	437077.7,	3725873.3,	239.3,	239.3,	0.0);	(	437072.6,	3725865.2,	239.4,	239.4,	0.0);
(	437067.4,	3725857.1,	239.5,	239.5,	0.0);	(	437062.3,	3725849.0,	239.6,	239.6,	0.0);
(	437057.1,	3725840.9,	239.7,	239.7,	0.0);	(	437052.0,	3725832.8,	239.9,	239.9,	0.0);
(	437046.9,	3725824.7,	240.4,	240.4,	0.0);	(	437041.7,	3725816.6,	240.6,	240.6,	0.0);
(	437036.6,	3725808.5,	240.6,	240.6,	0.0);	(	437031.5,	3725800.4,	240.4,	240.4,	0.0);
(	437026.3,	3725792.3,	240.0,	240.0,	0.0);	(	437021.2,	3725784.2,	239.4,	239.4,	0.0);
(	437016.0,	3725776.1,	238.2,	242.0,	0.0);	(	437010.9,	3725768.0,	235.9,	242.0,	0.0);
(	437005.8,	3725759.9,	233.8,	242.0,	0.0);	(	436974.9,	3725711.2,	225.8,	242.0,	0.0);
(	436969.8,	3725703.1,	224.8,	242.0,	0.0);	(	436964.7,	3725695.0,	223.9,	242.0,	0.0);
(	436959.5,	3725686.9,	223.0,	242.0,	0.0);	(	436954.4,	3725678.8,	221.9,	242.0,	0.0);
(	436903.0,	3725597.8,	225.0,	225.0,	0.0);	(	436897.9,	3725589.7,	225.1,	225.1,	0.0);
(	436892.7,	3725581.6,	225.2,	225.2,	0.0);	(	436887.6,	3725573.5,	225.4,	225.4,	0.0);
(	437103.4,	3725913.8,	237.9,	241.0,	0.0);	(	437110.8,	3725920.1,	237.4,	241.0,	0.0);
(	437118.2,	3725926.4,	236.6,	244.0,	0.0);	(	437125.6,	3725932.6,	236.1,	245.0,	0.0);
(	437133.0,	3725938.9,	236.0,	245.0,	0.0);	(	437140.3,	3725945.2,	236.1,	245.0,	0.0);
(	437147.7,	3725951.5,	236.5,	245.0,	0.0);	(	437155.1,	3725957.8,	236.8,	246.0,	0.0);
(	437162.5,	3725964.0,	237.3,	246.0,	0.0);	(	437169.9,	3725970.3,	237.8,	246.0,	0.0);
(	437177.3,	3725976.6,	238.6,	246.0,	0.0);	(	437184.7,	3725982.9,	239.4,	246.0,	0.0);
(	437072.3,	3725936.1,	238.6,	241.0,	0.0);	(	437067.1,	3725927.9,	239.0,	241.0,	0.0);
(	437061.9,	3725919.8,	238.9,	241.0,	0.0);	(	437056.7,	3725911.6,	239.0,	239.0,	0.0);
(	437051.5,	3725903.4,	239.3,	239.3,	0.0);	(	437046.4,	3725895.2,	239.6,	240.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437041.2,	3725887.0,	239.4,	239.4,	0.0);	(437036.0,	3725878.8,	239.3,	239.3,	0.0);
(437030.8,	3725870.7,	239.4,	239.4,	0.0);	(437025.6,	3725862.5,	239.6,	239.6,	0.0);
(437020.4,	3725854.3,	239.8,	239.8,	0.0);	(437015.2,	3725846.1,	239.5,	241.0,	0.0);
(437010.0,	3725837.9,	239.0,	241.0,	0.0);	(437004.9,	3725829.8,	237.6,	241.0,	0.0);
(436999.7,	3725821.6,	235.9,	241.0,	0.0);	(436994.5,	3725813.4,	234.0,	242.0,	0.0);
(436989.3,	3725805.2,	232.0,	242.0,	0.0);	(436984.1,	3725797.0,	231.1,	242.0,	0.0);
(436978.9,	3725788.9,	230.4,	242.0,	0.0);	(436973.7,	3725780.7,	229.8,	242.0,	0.0);
(436968.5,	3725772.5,	229.0,	242.0,	0.0);	(436963.3,	3725764.3,	227.7,	242.0,	0.0);
(436958.2,	3725756.1,	226.5,	242.0,	0.0);	(436927.0,	3725707.0,	219.7,	242.0,	0.0);
(436921.8,	3725698.9,	218.0,	242.0,	0.0);	(436875.2,	3725625.2,	226.6,	226.6,	0.0);
(436870.0,	3725617.1,	226.7,	226.7,	0.0);	(436864.8,	3725608.9,	226.4,	226.4,	0.0);
(436859.6,	3725600.7,	226.1,	226.1,	0.0);	(436854.4,	3725592.5,	226.1,	226.1,	0.0);
(436849.2,	3725584.3,	226.3,	226.3,	0.0);	(436844.0,	3725576.2,	226.6,	226.6,	0.0);
(436838.8,	3725568.0,	226.9,	226.9,	0.0);	(437077.5,	3725944.3,	238.7,	241.0,	0.0);
(437084.9,	3725950.6,	238.7,	238.7,	0.0);	(437092.3,	3725956.8,	238.8,	238.8,	0.0);
(437099.6,	3725963.1,	238.9,	244.0,	0.0);	(437107.0,	3725969.4,	239.6,	244.0,	0.0);
(437114.4,	3725975.7,	240.3,	244.0,	0.0);	(437121.8,	3725982.0,	241.3,	244.0,	0.0);
(437129.2,	3725988.2,	242.6,	244.0,	0.0);	(437136.6,	3725994.5,	243.8,	243.8,	0.0);
(437144.0,	3726000.8,	244.3,	244.3,	0.0);	(437151.4,	3726007.1,	244.3,	244.3,	0.0);
(437158.8,	3726013.4,	244.7,	244.7,	0.0);	(437046.5,	3725966.7,	227.1,	247.0,	0.0);
(437041.3,	3725958.6,	227.6,	246.0,	0.0);	(437036.2,	3725950.5,	228.5,	246.0,	0.0);
(437031.0,	3725942.4,	229.3,	245.0,	0.0);	(437025.9,	3725934.3,	229.9,	245.0,	0.0);
(437020.8,	3725926.2,	230.3,	244.0,	0.0);	(437015.6,	3725918.1,	230.9,	241.0,	0.0);
(437010.5,	3725910.0,	231.6,	241.0,	0.0);	(437005.4,	3725901.9,	232.1,	241.0,	0.0);
(437000.2,	3725893.8,	232.4,	241.0,	0.0);	(436995.1,	3725885.7,	232.4,	241.0,	0.0);
(436990.0,	3725877.6,	232.5,	241.0,	0.0);	(436984.8,	3725869.5,	232.8,	241.0,	0.0);
(436979.7,	3725861.4,	232.5,	241.0,	0.0);	(436974.6,	3725853.4,	231.9,	241.0,	0.0);
(436969.5,	3725845.3,	231.3,	242.0,	0.0);	(436964.3,	3725837.2,	230.8,	242.0,	0.0);
(436959.2,	3725829.1,	229.2,	242.0,	0.0);	(436954.0,	3725821.0,	227.9,	242.0,	0.0);
(436948.9,	3725812.9,	226.6,	242.0,	0.0);	(436943.8,	3725804.8,	225.4,	242.0,	0.0);
(436938.7,	3725796.7,	225.0,	242.0,	0.0);	(436933.5,	3725788.6,	224.5,	242.0,	0.0);
(436928.4,	3725780.5,	223.8,	242.0,	0.0);	(436923.3,	3725772.4,	222.6,	242.0,	0.0);
(436918.1,	3725764.3,	221.5,	242.0,	0.0);	(436913.0,	3725756.2,	220.4,	242.0,	0.0);
(436841.1,	3725642.9,	222.1,	227.0,	0.0);	(436836.0,	3725634.8,	223.5,	227.0,	0.0);
(436830.9,	3725626.7,	224.7,	226.0,	0.0);	(436825.7,	3725618.6,	224.4,	226.0,	0.0);
(436820.6,	3725610.5,	224.1,	224.1,	0.0);	(436815.5,	3725602.4,	224.1,	224.1,	0.0);
(437051.6,	3725974.8,	227.0,	247.0,	0.0);	(437059.0,	3725981.0,	228.0,	247.0,	0.0);
(437066.4,	3725987.3,	228.9,	247.0,	0.0);	(437073.8,	3725993.6,	230.2,	247.0,	0.0);
(437081.1,	3725999.9,	231.5,	247.0,	0.0);	(437088.5,	3726006.2,	233.1,	247.0,	0.0);
(437095.9,	3726012.4,	234.6,	247.0,	0.0);	(437103.3,	3726018.7,	236.3,	246.0,	0.0);
(437110.7,	3726025.0,	238.2,	246.0,	0.0);	(437118.1,	3726031.3,	239.7,	246.0,	0.0);
(437125.5,	3726037.6,	241.0,	246.0,	0.0);	(437132.9,	3726043.8,	242.0,	246.0,	0.0);
(437020.5,	3725997.1,	220.9,	251.0,	0.0);	(437015.3,	3725988.9,	219.9,	251.0,	0.0);
(437010.1,	3725980.8,	220.2,	251.0,	0.0);	(437005.0,	3725972.6,	220.8,	247.0,	0.0);
(436999.8,	3725964.4,	221.3,	247.0,	0.0);	(436994.6,	3725956.3,	221.7,	247.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436989.4,	3725948.1,	222.1,	247.0,	0.0);	(436984.2,	3725939.9,	222.7,	246.0,	0.0);
(436979.1,	3725931.8,	223.3,	246.0,	0.0);	(436973.9,	3725923.6,	223.8,	245.0,	0.0);
(436968.7,	3725915.4,	224.2,	245.0,	0.0);	(436963.5,	3725907.3,	224.5,	244.0,	0.0);
(436958.4,	3725899.1,	224.6,	242.0,	0.0);	(436953.2,	3725890.9,	225.2,	242.0,	0.0);
(436948.0,	3725882.8,	225.8,	242.0,	0.0);	(436942.8,	3725874.6,	226.4,	242.0,	0.0);
(436937.6,	3725866.4,	226.8,	242.0,	0.0);	(436932.5,	3725858.3,	226.6,	242.0,	0.0);
(436927.3,	3725850.1,	226.5,	242.0,	0.0);	(436922.1,	3725841.9,	226.8,	242.0,	0.0);
(436916.9,	3725833.8,	226.7,	242.0,	0.0);	(436911.8,	3725825.6,	225.5,	242.0,	0.0);
(436906.6,	3725817.4,	224.2,	242.0,	0.0);	(436901.4,	3725809.3,	222.6,	242.0,	0.0);
(436896.2,	3725801.1,	221.4,	242.0,	0.0);	(436891.0,	3725792.9,	220.5,	242.0,	0.0);
(436885.9,	3725784.8,	219.6,	242.0,	0.0);	(436880.7,	3725776.6,	218.7,	242.0,	0.0);
(436875.5,	3725768.4,	217.6,	242.0,	0.0);	(436870.3,	3725760.3,	215.9,	242.0,	0.0);
(436865.1,	3725752.1,	214.5,	242.0,	0.0);	(436808.2,	3725662.3,	215.0,	242.0,	0.0);
(437025.7,	3726005.2,	221.9,	251.0,	0.0);	(437033.1,	3726011.5,	222.8,	251.0,	0.0);
(437040.5,	3726017.8,	223.6,	251.0,	0.0);	(437047.8,	3726024.1,	224.7,	251.0,	0.0);
(437055.2,	3726030.4,	226.3,	251.0,	0.0);	(437062.6,	3726036.6,	227.8,	249.0,	0.0);
(437070.0,	3726042.9,	228.9,	249.0,	0.0);	(437077.4,	3726049.2,	229.9,	247.0,	0.0);
(437084.8,	3726055.5,	231.5,	247.0,	0.0);	(437092.2,	3726061.8,	233.2,	247.0,	0.0);
(437099.6,	3726068.0,	234.6,	247.0,	0.0);	(437107.0,	3726074.3,	235.7,	247.0,	0.0);
(436994.6,	3726027.6,	221.0,	249.0,	0.0);	(436989.5,	3726019.5,	219.5,	251.0,	0.0);
(436984.4,	3726011.5,	218.4,	251.0,	0.0);	(436979.3,	3726003.4,	217.7,	251.0,	0.0);
(436974.1,	3725995.3,	217.1,	251.0,	0.0);	(436969.0,	3725987.2,	216.6,	251.0,	0.0);
(436963.9,	3725979.1,	217.0,	247.0,	0.0);	(436958.7,	3725971.0,	217.5,	247.0,	0.0);
(436953.6,	3725962.9,	217.9,	247.0,	0.0);	(436948.5,	3725954.8,	218.4,	247.0,	0.0);
(436943.4,	3725946.8,	218.7,	246.0,	0.0);	(436938.2,	3725938.7,	218.9,	246.0,	0.0);
(436933.1,	3725930.6,	219.0,	246.0,	0.0);	(436928.0,	3725922.5,	219.4,	245.0,	0.0);
(436922.8,	3725914.4,	220.3,	245.0,	0.0);	(436917.7,	3725906.3,	221.2,	242.0,	0.0);
(436912.6,	3725898.2,	222.2,	242.0,	0.0);	(436907.5,	3725890.1,	223.0,	242.0,	0.0);
(436902.3,	3725882.1,	223.9,	241.0,	0.0);	(436897.2,	3725874.0,	225.0,	241.0,	0.0);
(436892.1,	3725865.9,	226.0,	241.0,	0.0);	(436886.9,	3725857.8,	226.2,	241.0,	0.0);
(436881.8,	3725849.7,	226.2,	241.0,	0.0);	(436866.4,	3725825.4,	224.8,	241.0,	0.0);
(436861.3,	3725817.4,	223.7,	241.0,	0.0);	(436856.2,	3725809.3,	222.8,	241.0,	0.0);
(436851.0,	3725801.2,	221.9,	242.0,	0.0);	(436845.9,	3725793.1,	221.2,	242.0,	0.0);
(436840.8,	3725785.0,	220.6,	242.0,	0.0);	(436835.6,	3725776.9,	220.1,	242.0,	0.0);
(436830.5,	3725768.8,	218.9,	242.0,	0.0);	(436825.4,	3725760.8,	217.7,	242.0,	0.0);
(436999.8,	3726035.7,	222.6,	247.0,	0.0);	(437007.2,	3726042.0,	224.2,	247.0,	0.0);
(437014.5,	3726048.3,	225.8,	247.0,	0.0);	(437021.9,	3726054.6,	227.5,	247.0,	0.0);
(437029.3,	3726060.8,	228.8,	247.0,	0.0);	(437036.7,	3726067.1,	230.1,	247.0,	0.0);
(437044.1,	3726073.4,	231.4,	247.0,	0.0);	(437051.5,	3726079.7,	231.9,	247.0,	0.0);
(437058.9,	3726086.0,	231.3,	247.0,	0.0);	(437066.3,	3726092.2,	230.2,	247.0,	0.0);
(437073.7,	3726098.5,	228.8,	251.0,	0.0);	(437081.0,	3726104.8,	227.3,	255.0,	0.0);
(436968.7,	3726058.0,	221.5,	247.0,	0.0);	(436963.5,	3726049.9,	219.9,	247.0,	0.0);
(436958.4,	3726041.8,	218.3,	247.0,	0.0);	(436953.2,	3726033.6,	216.7,	249.0,	0.0);
(436948.0,	3726025.4,	215.4,	251.0,	0.0);	(436942.8,	3726017.3,	214.4,	251.0,	0.0);
(436937.7,	3726009.1,	214.0,	251.0,	0.0);	(436932.5,	3726001.0,	213.8,	251.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436927.3,	3725992.8,	213.7,	249.0,	0.0);	(436922.2,	3725984.7,	213.9,	247.0,	0.0);
(436917.0,	3725976.5,	214.5,	247.0,	0.0);	(436911.8,	3725968.4,	215.2,	247.0,	0.0);
(436906.7,	3725960.2,	215.8,	246.0,	0.0);	(436901.5,	3725952.1,	216.3,	246.0,	0.0);
(436896.3,	3725943.9,	216.8,	246.0,	0.0);	(436891.1,	3725935.8,	217.5,	245.0,	0.0);
(436886.0,	3725927.6,	218.3,	242.0,	0.0);	(436880.8,	3725919.4,	219.4,	242.0,	0.0);
(436875.6,	3725911.3,	220.4,	241.0,	0.0);	(436870.5,	3725903.1,	221.3,	241.0,	0.0);
(436865.3,	3725895.0,	222.1,	241.0,	0.0);	(436860.1,	3725886.8,	223.0,	241.0,	0.0);
(436855.0,	3725878.7,	223.8,	241.0,	0.0);	(436834.3,	3725846.1,	223.8,	223.8,	0.0);
(436829.1,	3725837.9,	223.6,	223.6,	0.0);	(436823.9,	3725829.8,	223.2,	223.2,	0.0);
(436818.8,	3725821.6,	222.7,	222.7,	0.0);	(436813.6,	3725813.5,	222.3,	222.3,	0.0);
(436808.4,	3725805.3,	221.9,	221.9,	0.0);	(436803.2,	3725797.2,	221.0,	221.0,	0.0);
(436798.1,	3725789.0,	220.1,	220.1,	0.0);	(436792.9,	3725780.8,	219.2,	219.2,	0.0);
(436687.9,	3725073.9,	224.1,	233.0,	0.0);	(436973.9,	3726066.2,	223.2,	247.0,	0.0);
(436981.3,	3726072.5,	225.2,	247.0,	0.0);	(436988.6,	3726078.8,	226.9,	246.0,	0.0);
(436996.0,	3726085.0,	228.0,	246.0,	0.0);	(437003.4,	3726091.3,	228.9,	245.0,	0.0);
(437010.8,	3726097.6,	229.5,	245.0,	0.0);	(437018.2,	3726103.9,	230.0,	245.0,	0.0);
(437025.6,	3726110.2,	229.5,	246.0,	0.0);	(437033.0,	3726116.4,	228.4,	247.0,	0.0);
(437040.4,	3726122.7,	226.9,	249.0,	0.0);	(437047.8,	3726129.0,	225.2,	251.0,	0.0);
(437055.1,	3726135.3,	223.2,	257.0,	0.0);	(436942.8,	3726088.6,	220.5,	247.0,	0.0);
(436937.7,	3726080.5,	218.8,	247.0,	0.0);	(436932.6,	3726072.4,	217.0,	247.0,	0.0);
(436927.5,	3726064.4,	215.1,	249.0,	0.0);	(436922.3,	3726056.3,	213.5,	251.0,	0.0);
(436917.2,	3726048.2,	212.0,	251.0,	0.0);	(436912.1,	3726040.1,	211.2,	251.0,	0.0);
(436907.0,	3726032.0,	210.7,	251.0,	0.0);	(436901.8,	3726023.9,	210.2,	251.0,	0.0);
(436896.7,	3726015.9,	209.9,	251.0,	0.0);	(436891.6,	3726007.8,	210.6,	249.0,	0.0);
(436886.5,	3725999.7,	211.2,	247.0,	0.0);	(436881.3,	3725991.6,	211.8,	247.0,	0.0);
(436876.2,	3725983.5,	212.5,	247.0,	0.0);	(436871.1,	3725975.5,	213.1,	246.0,	0.0);
(436866.0,	3725967.4,	213.9,	246.0,	0.0);	(436860.8,	3725959.3,	214.7,	245.0,	0.0);
(436855.7,	3725951.2,	215.7,	245.0,	0.0);	(436850.6,	3725943.1,	217.0,	241.0,	0.0);
(436845.5,	3725935.0,	218.4,	241.0,	0.0);	(436840.3,	3725927.0,	219.8,	241.0,	0.0);
(436835.2,	3725918.9,	220.3,	241.0,	0.0);	(436830.1,	3725910.8,	220.7,	220.7,	0.0);
(436804.5,	3725870.4,	221.5,	221.5,	0.0);	(436799.3,	3725862.3,	221.4,	221.4,	0.0);
(436794.2,	3725854.2,	221.4,	221.4,	0.0);	(436789.1,	3725846.1,	221.3,	221.3,	0.0);
(436784.0,	3725838.1,	221.2,	221.2,	0.0);	(436778.8,	3725830.0,	220.8,	220.8,	0.0);
(436773.7,	3725821.9,	220.1,	220.1,	0.0);	(436768.6,	3725813.8,	219.5,	219.5,	0.0);
(436763.5,	3725805.7,	218.9,	218.9,	0.0);	(436948.0,	3726096.7,	222.1,	246.0,	0.0);
(436955.3,	3726103.0,	224.0,	245.0,	0.0);	(436962.7,	3726109.2,	225.0,	245.0,	0.0);
(436970.1,	3726115.5,	225.0,	245.0,	0.0);	(436977.5,	3726121.8,	224.9,	246.0,	0.0);
(436984.9,	3726128.1,	224.7,	247.0,	0.0);	(436992.3,	3726134.4,	224.2,	247.0,	0.0);
(436999.7,	3726140.6,	223.1,	247.0,	0.0);	(437007.1,	3726146.9,	221.8,	251.0,	0.0);
(437014.5,	3726153.2,	220.6,	255.0,	0.0);	(437021.9,	3726159.5,	219.3,	257.0,	0.0);
(437029.2,	3726165.8,	218.1,	257.0,	0.0);	(437520.1,	3725611.3,	215.7,	245.0,	0.0);
(437507.5,	3725626.9,	217.6,	245.0,	0.0);	(437495.0,	3725642.5,	220.1,	226.0,	0.0);
(437470.5,	3725661.3,	224.3,	224.3,	0.0);	(437482.1,	3725670.6,	223.7,	226.0,	0.0);
(437451.7,	3725684.7,	226.5,	226.5,	0.0);	(437463.3,	3725694.0,	226.2,	226.2,	0.0);
(437432.9,	3725708.1,	227.0,	227.0,	0.0);	(437444.6,	3725717.4,	226.8,	226.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437425.8,	3725740.8,	226.2,	226.2,	0.0);	(437407.0,	3725764.2,	223.3,	245.0,	0.0);
(	437357.9,	3725801.7,	217.3,	262.0,	0.0);	(437335.1,	3725821.8,	217.3,	262.0,	0.0);
(	437344.9,	3725829.8,	217.8,	263.0,	0.0);	(437316.1,	3725845.1,	218.7,	262.0,	0.0);
(	437326.2,	3725853.2,	219.0,	262.0,	0.0);	(437271.8,	3725899.3,	224.8,	257.0,	0.0);
(	437282.4,	3725907.8,	225.0,	258.0,	0.0);	(437246.5,	3725930.2,	228.2,	257.0,	0.0);
(	437257.4,	3725939.0,	228.4,	257.0,	0.0);	(437221.2,	3725961.2,	232.5,	251.0,	0.0);
(	437232.4,	3725970.3,	233.2,	254.0,	0.0);	(437195.9,	3725992.2,	239.9,	246.0,	0.0);
(	437207.3,	3726001.5,	239.9,	246.0,	0.0);	(437172.1,	3726024.3,	245.1,	245.1,	0.0);
(	437182.3,	3726032.7,	244.8,	244.8,	0.0);	(437146.8,	3726055.4,	242.7,	246.0,	0.0);
(	437157.3,	3726063.9,	243.5,	246.0,	0.0);	(437121.6,	3726086.4,	235.2,	247.0,	0.0);
(	437132.3,	3726095.1,	235.3,	249.0,	0.0);	(437096.3,	3726117.4,	226.6,	257.0,	0.0);
(	437107.3,	3726126.3,	226.2,	257.0,	0.0);	(437071.1,	3726148.5,	220.9,	257.0,	0.0);
(	437082.3,	3726157.5,	219.6,	259.0,	0.0);	(437045.9,	3726179.5,	215.8,	259.0,	0.0);
(	437057.2,	3726188.7,	214.8,	259.0,	0.0);	(437676.4,	3725482.0,	205.0,	245.0,	0.0);
(	437598.1,	3725572.8,	207.7,	246.0,	0.0);	(437532.2,	3725621.7,	215.4,	245.0,	0.0);
(	437545.8,	3725633.4,	214.8,	246.0,	0.0);	(437519.2,	3725636.8,	217.8,	245.0,	0.0);
(	437526.0,	3725642.7,	217.9,	245.0,	0.0);	(437493.3,	3725680.6,	223.3,	226.0,	0.0);
(	437500.1,	3725686.4,	223.0,	245.0,	0.0);	(437473.7,	3725703.3,	225.7,	225.7,	0.0);
(	437480.5,	3725709.1,	225.2,	225.2,	0.0);	(437454.1,	3725726.0,	226.7,	226.7,	0.0);
(	437434.5,	3725748.7,	226.6,	226.6,	0.0);	(437414.9,	3725771.4,	224.0,	245.0,	0.0);
(	437395.3,	3725794.1,	220.9,	262.0,	0.0);	(437356.1,	3725839.6,	218.6,	263.0,	0.0);
(	437362.9,	3725845.4,	219.2,	263.0,	0.0);	(437336.5,	3725862.3,	219.2,	263.0,	0.0);
(	437343.3,	3725868.1,	219.4,	263.0,	0.0);	(437290.8,	3725915.3,	225.2,	258.0,	0.0);
(	437297.6,	3725921.1,	225.4,	262.0,	0.0);	(437264.7,	3725945.6,	228.8,	257.0,	0.0);
(	437271.5,	3725951.4,	229.1,	257.0,	0.0);	(437245.4,	3725981.7,	234.3,	254.0,	0.0);
(	437219.2,	3726012.0,	240.2,	247.0,	0.0);	(437193.1,	3726042.3,	244.9,	244.9,	0.0);
(	437167.0,	3726072.6,	244.6,	244.6,	0.0);	(437140.8,	3726102.9,	235.6,	251.0,	0.0);
(	437114.7,	3726133.2,	225.8,	257.0,	0.0);	(437719.8,	3725444.8,	209.2,	222.0,	0.0);
(	437728.2,	3725437.2,	210.9,	220.0,	0.0);	(437738.0,	3725425.7,	212.9,	218.0,	0.0);
(	437726.3,	3725451.8,	209.2,	222.0,	0.0);	(437712.3,	3725454.9,	207.7,	224.0,	0.0);
(	437735.8,	3725443.7,	210.9,	222.0,	0.0);	(437745.6,	3725432.1,	212.9,	220.0,	0.0);
(	437733.3,	3725458.6,	209.2,	224.0,	0.0);	(437723.1,	3725463.8,	207.9,	224.0,	0.0);
(	437712.5,	3725464.6,	207.0,	224.0,	0.0);	(437701.5,	3725461.0,	206.5,	224.0,	0.0);
(	437743.4,	3725450.2,	211.0,	222.0,	0.0);	(437753.2,	3725438.6,	213.0,	216.0,	0.0);
(	437740.6,	3725465.2,	209.2,	224.0,	0.0);	(437729.7,	3725470.8,	207.8,	226.0,	0.0);
(	437712.9,	3725474.5,	206.3,	224.0,	0.0);	(437701.2,	3725470.7,	206.0,	224.0,	0.0);
(	437751.0,	3725456.7,	211.0,	224.0,	0.0);	(437760.8,	3725445.1,	213.2,	213.2,	0.0);
(	437748.0,	3725471.8,	209.0,	226.0,	0.0);	(437736.6,	3725477.7,	207.7,	226.0,	0.0);
(	437725.2,	3725483.5,	206.7,	226.0,	0.0);	(437713.4,	3725484.4,	205.9,	245.0,	0.0);
(	437701.2,	3725480.4,	205.6,	245.0,	0.0);	(437758.6,	3725463.2,	210.8,	224.0,	0.0);
(	437755.5,	3725478.4,	208.9,	226.0,	0.0);	(437743.7,	3725484.4,	207.7,	226.0,	0.0);
(	437732.0,	3725490.4,	206.7,	226.0,	0.0);	(437714.0,	3725494.3,	205.6,	245.0,	0.0);
(	437701.5,	3725490.2,	205.4,	245.0,	0.0);	(437689.0,	3725486.1,	205.2,	245.0,	0.0);
(	437766.2,	3725469.6,	210.6,	226.0,	0.0);	(437762.9,	3725485.0,	208.7,	226.0,	0.0);
(	437751.0,	3725491.1,	207.6,	226.0,	0.0);	(437739.0,	3725497.2,	206.6,	245.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437727.0,	3725503.3,	205.7,	245.0,	0.0);	(437714.6,	3725504.2,	205.2,	245.0,	0.0);
(437701.8,	3725500.0,	205.2,	245.0,	0.0);	(437689.1,	3725495.8,	205.1,	245.0,	0.0);
(437676.3,	3725491.6,	205.0,	245.0,	0.0);	(437773.8,	3725476.1,	210.4,	226.0,	0.0);
(437770.5,	3725491.5,	208.6,	226.0,	0.0);	(437758.3,	3725497.7,	207.4,	226.0,	0.0);
(437746.1,	3725503.9,	206.4,	245.0,	0.0);	(437734.0,	3725510.1,	205.8,	245.0,	0.0);
(437715.3,	3725514.2,	205.4,	245.0,	0.0);	(437702.3,	3725509.9,	205.1,	245.0,	0.0);
(437689.3,	3725505.6,	205.0,	245.0,	0.0);	(437676.4,	3725501.4,	205.0,	245.0,	0.0);
(437781.5,	3725482.6,	210.5,	226.0,	0.0);	(437791.3,	3725471.0,	212.7,	226.0,	0.0);
(437778.0,	3725498.0,	208.7,	226.0,	0.0);	(437765.7,	3725504.3,	207.0,	226.0,	0.0);
(437753.4,	3725510.6,	206.4,	245.0,	0.0);	(437741.0,	3725516.8,	206.0,	245.0,	0.0);
(437728.7,	3725523.1,	205.8,	245.0,	0.0);	(437716.0,	3725524.1,	205.7,	245.0,	0.0);
(437702.8,	3725519.8,	205.5,	245.0,	0.0);	(437689.7,	3725515.5,	205.3,	245.0,	0.0);
(437676.6,	3725511.2,	205.2,	245.0,	0.0);	(437789.1,	3725489.1,	210.7,	226.0,	0.0);
(437798.9,	3725477.5,	212.8,	226.0,	0.0);	(437785.5,	3725504.5,	208.8,	226.0,	0.0);
(437773.1,	3725510.9,	207.2,	245.0,	0.0);	(437760.7,	3725517.2,	206.4,	245.0,	0.0);
(437748.2,	3725523.5,	206.1,	245.0,	0.0);	(437735.8,	3725529.9,	206.0,	245.0,	0.0);
(437716.7,	3725534.0,	206.0,	245.0,	0.0);	(437703.4,	3725529.7,	205.8,	245.0,	0.0);
(437690.1,	3725525.3,	205.6,	245.0,	0.0);	(437676.9,	3725521.0,	205.5,	245.0,	0.0);
(437663.6,	3725516.6,	205.4,	245.0,	0.0);	(437796.7,	3725495.6,	210.8,	226.0,	0.0);
(437806.5,	3725484.0,	212.7,	226.0,	0.0);	(437800.7,	3725517.5,	209.4,	226.0,	0.0);
(437788.0,	3725524.0,	207.9,	245.0,	0.0);	(437775.4,	3725530.4,	206.6,	245.0,	0.0);
(437762.8,	3725536.8,	206.0,	245.0,	0.0);	(437750.1,	3725543.3,	206.2,	245.0,	0.0);
(437737.5,	3725549.7,	206.4,	245.0,	0.0);	(437718.1,	3725554.0,	206.2,	246.0,	0.0);
(437704.6,	3725549.5,	206.1,	246.0,	0.0);	(437691.2,	3725545.1,	206.2,	246.0,	0.0);
(437677.7,	3725540.7,	206.2,	246.0,	0.0);	(437664.2,	3725536.2,	206.0,	246.0,	0.0);
(437650.7,	3725531.8,	205.9,	246.0,	0.0);	(437811.9,	3725508.5,	211.1,	226.0,	0.0);
(437821.8,	3725497.0,	212.9,	226.0,	0.0);	(437815.8,	3725530.5,	210.0,	226.0,	0.0);
(437803.1,	3725537.0,	208.3,	245.0,	0.0);	(437790.3,	3725543.6,	207.3,	245.0,	0.0);
(437777.5,	3725550.1,	206.8,	245.0,	0.0);	(437764.7,	3725556.6,	206.7,	245.0,	0.0);
(437752.0,	3725563.1,	206.9,	245.0,	0.0);	(437739.2,	3725569.6,	207.1,	246.0,	0.0);
(437719.6,	3725573.9,	206.8,	246.0,	0.0);	(437706.0,	3725569.4,	206.3,	246.0,	0.0);
(437692.3,	3725564.9,	206.6,	246.0,	0.0);	(437678.7,	3725560.4,	206.8,	246.0,	0.0);
(437665.1,	3725556.0,	206.7,	246.0,	0.0);	(437651.4,	3725551.5,	206.5,	246.0,	0.0);
(437637.8,	3725547.0,	206.5,	246.0,	0.0);	(437827.2,	3725521.5,	211.7,	226.0,	0.0);
(437837.0,	3725509.9,	213.5,	226.0,	0.0);	(437779.5,	3725569.8,	207.1,	245.0,	0.0);
(437766.6,	3725576.4,	207.3,	245.0,	0.0);	(437753.7,	3725582.9,	207.6,	246.0,	0.0);
(437740.8,	3725589.5,	207.8,	246.0,	0.0);	(437721.1,	3725593.8,	207.9,	246.0,	0.0);
(437707.3,	3725589.3,	207.6,	260.0,	0.0);	(437693.6,	3725584.8,	207.5,	246.0,	0.0);
(437679.8,	3725580.3,	207.5,	246.0,	0.0);	(437666.1,	3725575.7,	207.5,	246.0,	0.0);
(437652.3,	3725571.2,	207.3,	246.0,	0.0);	(437638.6,	3725566.7,	207.4,	246.0,	0.0);
(437624.9,	3725562.2,	207.6,	246.0,	0.0);	(437846.2,	3725556.5,	212.0,	226.0,	0.0);
(437833.2,	3725563.1,	210.5,	226.0,	0.0);	(437820.3,	3725569.7,	209.1,	245.0,	0.0);
(437755.4,	3725602.8,	208.4,	246.0,	0.0);	(437742.4,	3725609.4,	208.9,	246.0,	0.0);
(437722.5,	3725613.7,	209.2,	260.0,	0.0);	(437708.7,	3725609.2,	208.9,	260.0,	0.0);
(437694.9,	3725604.6,	208.6,	260.0,	0.0);	(437681.0,	3725600.1,	208.3,	260.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(437667.2,	3725595.5,	208.4,	260.0,	0.0);	(437653.4,	3725591.0,	208.6,	246.0,	0.0);
(437639.6,	3725586.5,	208.5,	246.0,	0.0);	(437625.7,	3725581.9,	208.4,	246.0,	0.0);
(437611.9,	3725577.4,	208.2,	246.0,	0.0);	(437857.6,	3725547.4,	213.4,	226.0,	0.0);
(437867.5,	3725535.9,	215.1,	225.0,	0.0);	(437861.4,	3725569.5,	213.2,	226.0,	0.0);
(437848.4,	3725576.1,	212.1,	226.0,	0.0);	(437809.2,	3725596.1,	208.6,	245.0,	0.0);
(437796.2,	3725602.7,	208.6,	245.0,	0.0);	(437724.0,	3725633.6,	210.8,	260.0,	0.0);
(437710.1,	3725629.1,	210.3,	262.0,	0.0);	(437696.2,	3725624.5,	209.9,	262.0,	0.0);
(437682.3,	3725619.9,	209.6,	262.0,	0.0);	(437668.4,	3725615.4,	209.7,	262.0,	0.0);
(437654.5,	3725610.8,	209.8,	260.0,	0.0);	(437640.6,	3725606.2,	209.7,	260.0,	0.0);
(437626.7,	3725601.7,	209.4,	260.0,	0.0);	(437612.8,	3725597.1,	209.1,	260.0,	0.0);
(437598.9,	3725592.5,	208.8,	246.0,	0.0);	(437872.8,	3725560.4,	214.2,	226.0,	0.0);
(437882.7,	3725548.8,	216.0,	226.0,	0.0);	(437824.2,	3725609.2,	210.6,	245.0,	0.0);
(437811.1,	3725615.8,	210.5,	245.0,	0.0);	(437798.0,	3725622.5,	210.6,	245.0,	0.0);
(437784.9,	3725629.2,	210.7,	245.0,	0.0);	(437771.8,	3725635.9,	211.0,	246.0,	0.0);
(437758.7,	3725642.5,	211.6,	246.0,	0.0);	(437711.6,	3725649.0,	212.3,	262.0,	0.0);
(437697.6,	3725644.4,	211.8,	262.0,	0.0);	(437683.7,	3725639.8,	211.4,	262.0,	0.0);
(437669.7,	3725635.2,	211.1,	262.0,	0.0);	(437655.7,	3725630.6,	211.1,	262.0,	0.0);
(437888.1,	3725573.3,	214.5,	226.0,	0.0);	(437897.9,	3725561.8,	216.5,	226.0,	0.0);
(437891.8,	3725595.4,	213.3,	227.0,	0.0);	(437878.7,	3725602.1,	213.4,	226.0,	0.0);
(437865.5,	3725608.8,	213.6,	213.6,	0.0);	(437812.9,	3725635.6,	211.6,	245.0,	0.0);
(437799.8,	3725642.3,	211.5,	245.0,	0.0);	(437786.6,	3725649.0,	212.0,	246.0,	0.0);
(437773.5,	3725655.7,	212.8,	246.0,	0.0);	(437760.4,	3725662.4,	213.6,	246.0,	0.0);
(437747.2,	3725669.1,	214.5,	246.0,	0.0);	(437699.0,	3725664.3,	213.8,	262.0,	0.0);
(437903.3,	3725586.3,	215.2,	227.0,	0.0);	(437913.1,	3725574.8,	217.3,	226.0,	0.0);
(437907.0,	3725608.4,	214.4,	227.0,	0.0);	(437893.8,	3725615.1,	213.8,	226.0,	0.0);
(437880.6,	3725621.8,	213.6,	213.6,	0.0);	(437854.3,	3725635.3,	212.8,	245.0,	0.0);
(437841.1,	3725642.0,	212.4,	245.0,	0.0);	(437827.9,	3725648.7,	212.0,	245.0,	0.0);
(437775.2,	3725675.6,	214.1,	260.0,	0.0);	(437762.0,	3725682.3,	215.2,	260.0,	0.0);
(437748.8,	3725689.0,	216.5,	246.0,	0.0);	(437588.0,	3725647.3,	212.5,	262.0,	0.0);
(437573.9,	3725642.6,	212.9,	260.0,	0.0);	(437559.9,	3725638.0,	213.4,	246.0,	0.0);
(437918.5,	3725599.3,	215.7,	227.0,	0.0);	(437928.4,	3725587.7,	217.7,	226.0,	0.0);
(437922.2,	3725621.4,	214.5,	227.0,	0.0);	(437909.0,	3725628.1,	213.9,	226.0,	0.0);
(437895.8,	3725634.9,	213.7,	213.7,	0.0);	(437869.3,	3725648.3,	213.1,	245.0,	0.0);
(437856.1,	3725655.1,	212.9,	245.0,	0.0);	(437842.9,	3725661.8,	212.5,	245.0,	0.0);
(437829.7,	3725668.5,	212.4,	245.0,	0.0);	(437816.5,	3725675.3,	212.9,	245.0,	0.0);
(437776.8,	3725695.5,	215.5,	260.0,	0.0);	(437763.6,	3725702.2,	216.8,	260.0,	0.0);
(437750.4,	3725709.0,	217.6,	260.0,	0.0);	(437589.1,	3725667.1,	214.8,	262.0,	0.0);
(437575.0,	3725662.4,	214.4,	262.0,	0.0);	(437560.9,	3725657.8,	214.2,	260.0,	0.0);
(437546.8,	3725653.2,	215.9,	246.0,	0.0);	(437933.8,	3725612.2,	216.1,	227.0,	0.0);
(437943.6,	3725600.7,	218.0,	226.0,	0.0);	(437937.5,	3725634.4,	214.6,	227.0,	0.0);
(437924.2,	3725641.1,	213.3,	227.0,	0.0);	(437911.0,	3725647.9,	212.8,	226.0,	0.0);
(437884.5,	3725661.4,	212.8,	245.0,	0.0);	(437871.2,	3725668.1,	212.6,	245.0,	0.0);
(437857.9,	3725674.9,	212.4,	245.0,	0.0);	(437844.7,	3725681.6,	212.5,	245.0,	0.0);
(437831.4,	3725688.4,	212.9,	260.0,	0.0);	(437791.7,	3725708.6,	214.9,	262.0,	0.0);
(437778.4,	3725715.4,	216.8,	262.0,	0.0);	(437562.1,	3725677.6,	216.8,	246.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437547.9,	3725673.0,	217.8,	246.0,	0.0);	(437533.8,	3725668.3,	219.2,	246.0,	0.0);
(437949.0,	3725625.2,	216.1,	227.0,	0.0);	(437958.8,	3725613.6,	218.0,	226.0,	0.0);
(437960.3,	3725653.8,	214.9,	226.0,	0.0);	(437947.0,	3725660.6,	213.7,	226.0,	0.0);
(437933.7,	3725667.4,	212.8,	226.0,	0.0);	(437907.1,	3725680.9,	212.1,	245.0,	0.0);
(437893.8,	3725687.7,	212.1,	245.0,	0.0);	(437880.5,	3725694.4,	212.3,	245.0,	0.0);
(437867.2,	3725701.2,	212.5,	260.0,	0.0);	(437854.0,	3725708.0,	212.6,	262.0,	0.0);
(437814.1,	3725728.3,	214.1,	262.0,	0.0);	(437800.8,	3725735.1,	215.8,	262.0,	0.0);
(437521.3,	3725693.4,	221.8,	245.0,	0.0);	(437971.8,	3725644.6,	216.5,	226.0,	0.0);
(437981.7,	3725633.1,	218.4,	226.0,	0.0);	(437983.1,	3725673.3,	214.5,	226.0,	0.0);
(437969.8,	3725680.1,	213.5,	226.0,	0.0);	(437956.5,	3725686.8,	213.0,	213.0,	0.0);
(437929.8,	3725700.4,	212.7,	212.7,	0.0);	(437916.5,	3725707.2,	212.7,	245.0,	0.0);
(437903.2,	3725714.0,	212.9,	245.0,	0.0);	(437889.8,	3725720.8,	213.2,	245.0,	0.0);
(437876.5,	3725727.6,	213.4,	262.0,	0.0);	(437836.5,	3725747.9,	214.2,	262.0,	0.0);
(437823.2,	3725754.7,	215.4,	262.0,	0.0);	(437494.7,	3725713.8,	224.3,	245.0,	0.0);
(437994.7,	3725664.1,	216.2,	218.0,	0.0);	(438004.5,	3725652.5,	217.9,	217.9,	0.0);
(438005.9,	3725692.7,	214.4,	222.0,	0.0);	(437992.6,	3725699.5,	213.5,	220.0,	0.0);
(437979.2,	3725706.3,	213.0,	213.0,	0.0);	(437952.5,	3725719.9,	213.0,	213.0,	0.0);
(437939.2,	3725726.7,	213.1,	213.1,	0.0);	(437925.8,	3725733.5,	213.5,	245.0,	0.0);
(437912.5,	3725740.3,	213.8,	245.0,	0.0);	(437899.1,	3725747.1,	214.0,	262.0,	0.0);
(437859.1,	3725767.5,	214.7,	262.0,	0.0);	(437845.7,	3725774.4,	215.8,	262.0,	0.0);
(437468.0,	3725734.2,	226.6,	244.0,	0.0);	(438017.5,	3725683.5,	215.8,	222.0,	0.0);
(438027.4,	3725672.0,	217.6,	220.0,	0.0);	(437975.3,	3725739.4,	213.0,	213.0,	0.0);
(437961.9,	3725746.2,	213.0,	213.0,	0.0);	(437948.5,	3725753.1,	213.3,	213.3,	0.0);
(437935.1,	3725759.9,	213.7,	257.0,	0.0);	(437921.8,	3725766.7,	214.0,	262.0,	0.0);
(437881.6,	3725787.1,	215.5,	262.0,	0.0);	(437868.3,	3725793.9,	216.0,	262.0,	0.0);
(437484.1,	3725768.6,	228.8,	244.0,	0.0);	(437469.8,	3725763.9,	228.8,	244.0,	0.0);
(437455.6,	3725759.2,	227.7,	244.0,	0.0);	(438040.4,	3725703.0,	215.4,	221.0,	0.0);
(438050.2,	3725691.4,	217.5,	220.0,	0.0);	(438051.6,	3725731.6,	214.6,	220.0,	0.0);
(438038.2,	3725738.4,	214.0,	214.0,	0.0);	(437998.0,	3725758.9,	213.4,	213.4,	0.0);
(437984.6,	3725765.8,	213.7,	213.7,	0.0);	(437971.2,	3725772.6,	213.9,	213.9,	0.0);
(437957.8,	3725779.4,	214.1,	214.1,	0.0);	(437944.4,	3725786.2,	214.3,	260.0,	0.0);
(437904.3,	3725806.7,	215.5,	262.0,	0.0);	(437890.9,	3725813.5,	216.2,	262.0,	0.0);
(437500.3,	3725803.1,	231.7,	245.0,	0.0);	(437486.0,	3725798.4,	231.3,	245.0,	0.0);
(437471.7,	3725793.7,	231.1,	244.0,	0.0);	(437457.4,	3725789.0,	229.5,	245.0,	0.0);
(437443.1,	3725784.3,	227.7,	245.0,	0.0);	(437428.8,	3725779.6,	225.6,	245.0,	0.0);
(438063.2,	3725722.4,	215.4,	220.0,	0.0);	(438073.1,	3725710.9,	216.9,	220.0,	0.0);
(438020.8,	3725778.4,	214.1,	214.1,	0.0);	(438007.4,	3725785.2,	214.3,	214.3,	0.0);
(437994.0,	3725792.1,	214.5,	214.5,	0.0);	(437980.5,	3725798.9,	214.8,	214.8,	0.0);
(437967.1,	3725805.8,	215.0,	257.0,	0.0);	(437953.7,	3725812.6,	215.2,	262.0,	0.0);
(437940.3,	3725819.4,	215.4,	262.0,	0.0);	(437926.9,	3725826.3,	215.7,	262.0,	0.0);
(437913.5,	3725833.1,	216.1,	262.0,	0.0);	(437530.8,	3725842.3,	236.0,	245.0,	0.0);
(437502.2,	3725832.9,	235.5,	244.0,	0.0);	(437487.9,	3725828.2,	234.4,	244.0,	0.0);
(437473.6,	3725823.5,	233.3,	244.0,	0.0);	(437459.3,	3725818.8,	231.5,	245.0,	0.0);
(437445.0,	3725814.1,	229.2,	245.0,	0.0);	(437430.7,	3725809.4,	226.7,	245.0,	0.0);
(437416.4,	3725804.7,	224.1,	262.0,	0.0);	(438097.3,	3725770.5,	216.1,	216.1,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438083.8,	3725777.4,	215.5,	215.5,	0.0);	(	437976.4,	3725832.1,	215.9,	257.0,	0.0);
(	437963.0,	3725839.0,	216.1,	262.0,	0.0);	(	437949.5,	3725845.8,	216.3,	262.0,	0.0);
(	437936.1,	3725852.6,	216.8,	262.0,	0.0);	(	437547.2,	3725876.8,	241.1,	244.0,	0.0);
(	437532.9,	3725872.1,	240.7,	244.0,	0.0);	(	437518.6,	3725867.4,	239.8,	244.0,	0.0);
(	437504.2,	3725862.7,	238.8,	244.0,	0.0);	(	437489.9,	3725858.0,	237.3,	244.0,	0.0);
(	437461.3,	3725848.6,	233.6,	245.0,	0.0);	(	437447.0,	3725843.9,	231.3,	245.0,	0.0);
(	437432.6,	3725839.2,	228.7,	246.0,	0.0);	(	437418.3,	3725834.5,	225.7,	262.0,	0.0);
(	437404.0,	3725829.8,	223.0,	262.0,	0.0);	(	438108.9,	3725761.3,	216.8,	216.8,	0.0);
(	438118.8,	3725749.8,	217.5,	217.5,	0.0);	(	438120.1,	3725790.0,	216.7,	216.7,	0.0);
(	438106.7,	3725796.8,	216.2,	216.2,	0.0);	(	438093.2,	3725803.7,	216.0,	216.0,	0.0);
(	438079.8,	3725810.5,	216.0,	216.0,	0.0);	(	438066.3,	3725817.4,	215.9,	215.9,	0.0);
(	438052.9,	3725824.2,	215.8,	215.8,	0.0);	(	438039.5,	3725831.1,	215.8,	238.0,	0.0);
(	438026.0,	3725837.9,	216.1,	238.0,	0.0);	(	437606.6,	3725925.5,	244.9,	244.9,	0.0);
(	437592.3,	3725920.8,	245.7,	245.7,	0.0);	(	437578.0,	3725916.1,	245.3,	245.3,	0.0);
(	437549.3,	3725906.6,	244.4,	244.4,	0.0);	(	437534.9,	3725901.9,	244.2,	244.2,	0.0);
(	437520.6,	3725897.2,	243.4,	243.4,	0.0);	(	437506.3,	3725892.5,	242.1,	242.1,	0.0);
(	437491.9,	3725887.8,	240.0,	244.0,	0.0);	(	437477.6,	3725883.1,	237.7,	245.0,	0.0);
(	437463.3,	3725878.4,	235.4,	245.0,	0.0);	(	437448.9,	3725873.7,	232.8,	245.0,	0.0);
(	437420.3,	3725864.3,	227.7,	262.0,	0.0);	(	437405.9,	3725859.6,	225.0,	262.0,	0.0);
(	437391.6,	3725854.8,	222.5,	262.0,	0.0);	(	438131.8,	3725780.8,	217.0,	217.0,	0.0);
(	438141.6,	3725769.2,	217.2,	217.2,	0.0);	(	438143.0,	3725809.4,	217.0,	217.0,	0.0);
(	438129.5,	3725816.3,	217.0,	217.0,	0.0);	(	438116.0,	3725823.1,	216.6,	216.6,	0.0);
(	438102.6,	3725830.0,	216.1,	216.1,	0.0);	(	438089.1,	3725836.8,	216.0,	238.0,	0.0);
(	438075.7,	3725843.7,	216.2,	238.0,	0.0);	(	438062.2,	3725850.6,	216.5,	238.0,	0.0);
(	438048.8,	3725857.4,	216.7,	239.0,	0.0);	(	438035.3,	3725864.3,	216.9,	239.0,	0.0);
(	438021.8,	3725871.1,	217.2,	239.0,	0.0);	(	438008.4,	3725878.0,	217.4,	255.0,	0.0);
(	437994.9,	3725884.8,	217.6,	257.0,	0.0);	(	437623.1,	3725960.1,	242.3,	262.0,	0.0);
(	437608.8,	3725955.3,	243.8,	262.0,	0.0);	(	437594.4,	3725950.6,	244.9,	244.9,	0.0);
(	437580.1,	3725945.9,	245.4,	245.4,	0.0);	(	437565.7,	3725941.2,	245.5,	245.5,	0.0);
(	437551.4,	3725936.5,	245.2,	245.2,	0.0);	(	437508.3,	3725922.4,	242.8,	245.0,	0.0);
(	437494.0,	3725917.6,	241.2,	245.0,	0.0);	(	437479.6,	3725912.9,	239.1,	245.0,	0.0);
(	437465.3,	3725908.2,	236.6,	245.0,	0.0);	(	437450.9,	3725903.5,	234.0,	262.0,	0.0);
(	437436.6,	3725898.8,	231.5,	262.0,	0.0);	(	437422.2,	3725894.1,	229.0,	262.0,	0.0);
(	437407.9,	3725889.4,	226.5,	262.0,	0.0);	(	437364.8,	3725875.2,	220.8,	263.0,	0.0);
(	438154.6,	3725800.2,	217.0,	217.0,	0.0);	(	438164.4,	3725788.6,	217.2,	217.2,	0.0);
(	438165.8,	3725828.9,	217.2,	217.2,	0.0);	(	438152.3,	3725835.7,	217.0,	217.0,	0.0);
(	438138.8,	3725842.6,	217.1,	217.1,	0.0);	(	438125.4,	3725849.5,	216.9,	216.9,	0.0);
(	438111.9,	3725856.3,	216.8,	238.0,	0.0);	(	438098.5,	3725863.2,	216.9,	239.0,	0.0);
(	438085.0,	3725870.0,	217.1,	239.0,	0.0);	(	438071.5,	3725876.9,	217.4,	239.0,	0.0);
(	438058.0,	3725883.8,	217.6,	240.0,	0.0);	(	438044.6,	3725890.6,	217.8,	240.0,	0.0);
(	438031.1,	3725897.5,	218.1,	240.0,	0.0);	(	438017.6,	3725904.4,	218.4,	240.0,	0.0);
(	438004.2,	3725911.2,	218.5,	257.0,	0.0);	(	437611.0,	3725985.2,	241.9,	262.0,	0.0);
(	437596.6,	3725980.5,	243.5,	262.0,	0.0);	(	437582.2,	3725975.8,	244.8,	262.0,	0.0);
(	437567.9,	3725971.1,	245.6,	245.6,	0.0);	(	437553.5,	3725966.3,	245.7,	245.7,	0.0);
(	437539.1,	3725961.6,	245.2,	245.2,	0.0);	(	437524.8,	3725956.9,	244.3,	245.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437510.4,	3725952.2,	242.5,	245.0,	0.0);	(	437467.3,	3725938.0,	237.2,	262.0,	0.0);
(	437453.0,	3725933.3,	234.4,	262.0,	0.0);	(	437438.6,	3725928.6,	231.7,	262.0,	0.0);
(	437424.3,	3725923.9,	229.0,	263.0,	0.0);	(	437409.9,	3725919.2,	226.3,	263.0,	0.0);
(	437381.2,	3725909.7,	224.1,	263.0,	0.0);	(	437366.8,	3725905.0,	223.3,	263.0,	0.0);
(	437352.5,	3725900.3,	222.5,	263.0,	0.0);	(	438177.4,	3725819.7,	217.6,	217.6,	0.0);
(	438187.3,	3725808.1,	217.9,	217.9,	0.0);	(	438196.2,	3725854.8,	218.1,	218.1,	0.0);
(	438182.8,	3725861.7,	218.0,	218.0,	0.0);	(	438169.3,	3725868.5,	218.0,	218.0,	0.0);
(	438155.8,	3725875.4,	217.9,	217.9,	0.0);	(	438142.3,	3725882.3,	217.7,	238.0,	0.0);
(	438128.8,	3725889.1,	217.8,	239.0,	0.0);	(	438115.3,	3725896.0,	218.0,	239.0,	0.0);
(	438101.9,	3725902.9,	218.2,	240.0,	0.0);	(	438088.4,	3725909.8,	218.6,	240.0,	0.0);
(	438074.9,	3725916.6,	219.2,	240.0,	0.0);	(	438061.4,	3725923.5,	219.8,	240.0,	0.0);
(	438047.9,	3725930.4,	220.7,	240.0,	0.0);	(	438034.5,	3725937.2,	221.7,	240.0,	0.0);
(	438021.0,	3725944.1,	222.4,	240.0,	0.0);	(	437556.4,	3726006.2,	246.5,	262.0,	0.0);
(	437542.0,	3726001.4,	245.3,	262.0,	0.0);	(	437527.6,	3725996.7,	244.1,	262.0,	0.0);
(	437513.2,	3725992.0,	242.5,	262.0,	0.0);	(	437498.9,	3725987.3,	240.9,	262.0,	0.0);
(	437484.5,	3725982.5,	238.5,	262.0,	0.0);	(	437470.1,	3725977.8,	236.4,	263.0,	0.0);
(	437455.7,	3725973.1,	233.9,	263.0,	0.0);	(	437398.2,	3725954.2,	227.5,	263.0,	0.0);
(	437383.9,	3725949.5,	226.7,	263.0,	0.0);	(	437369.5,	3725944.8,	226.5,	263.0,	0.0);
(	437312.0,	3725925.9,	225.2,	262.0,	0.0);	(	438207.9,	3725845.6,	218.2,	218.2,	0.0);
(	438217.7,	3725834.0,	218.0,	218.0,	0.0);	(	438226.7,	3725880.7,	219.0,	219.0,	0.0);
(	438213.2,	3725887.6,	218.8,	218.8,	0.0);	(	438199.7,	3725894.5,	218.3,	218.3,	0.0);
(	438186.2,	3725901.4,	218.2,	218.2,	0.0);	(	438172.7,	3725908.2,	218.4,	238.0,	0.0);
(	438159.2,	3725915.1,	218.6,	239.0,	0.0);	(	438145.7,	3725922.0,	218.9,	239.0,	0.0);
(	438132.2,	3725928.9,	219.1,	240.0,	0.0);	(	438118.7,	3725935.7,	219.6,	240.0,	0.0);
(	438105.2,	3725942.6,	220.4,	240.0,	0.0);	(	438091.8,	3725949.5,	221.8,	240.0,	0.0);
(	438078.3,	3725956.4,	223.5,	240.0,	0.0);	(	438064.8,	3725963.2,	225.1,	240.0,	0.0);
(	438051.3,	3725970.1,	226.5,	239.0,	0.0);	(	437501.7,	3726027.1,	241.3,	263.0,	0.0);
(	437487.3,	3726022.3,	239.0,	263.0,	0.0);	(	437472.9,	3726017.6,	236.6,	263.0,	0.0);
(	437458.5,	3726012.9,	234.5,	263.0,	0.0);	(	437444.1,	3726008.2,	232.4,	263.0,	0.0);
(	437415.4,	3725998.7,	232.1,	263.0,	0.0);	(	437401.0,	3725994.0,	231.9,	263.0,	0.0);
(	437386.6,	3725989.3,	231.4,	263.0,	0.0);	(	437372.2,	3725984.5,	230.8,	263.0,	0.0);
(	437329.0,	3725970.3,	230.1,	262.0,	0.0);	(	437314.6,	3725965.6,	230.0,	258.0,	0.0);
(	437300.3,	3725960.9,	229.6,	258.0,	0.0);	(	437285.9,	3725956.2,	229.1,	258.0,	0.0);
(	438238.4,	3725871.5,	219.0,	219.0,	0.0);	(	438248.2,	3725859.9,	219.0,	219.0,	0.0);
(	438257.1,	3725906.7,	219.3,	219.3,	0.0);	(	438243.6,	3725913.5,	219.0,	219.0,	0.0);
(	438230.1,	3725920.4,	219.0,	219.0,	0.0);	(	438216.6,	3725927.3,	219.0,	219.0,	0.0);
(	438203.1,	3725934.2,	219.0,	219.0,	0.0);	(	438189.6,	3725941.1,	219.0,	238.0,	0.0);
(	438176.1,	3725947.9,	219.0,	240.0,	0.0);	(	438162.6,	3725954.8,	219.0,	240.0,	0.0);
(	438149.1,	3725961.7,	219.8,	243.0,	0.0);	(	438135.6,	3725968.6,	221.0,	243.0,	0.0);
(	438122.1,	3725975.5,	222.6,	240.0,	0.0);	(	438108.6,	3725982.4,	224.6,	240.0,	0.0);
(	438095.1,	3725989.2,	226.5,	240.0,	0.0);	(	438081.6,	3725996.1,	228.3,	239.0,	0.0);
(	437519.0,	3726071.6,	245.0,	263.0,	0.0);	(	437504.6,	3726066.9,	242.5,	263.0,	0.0);
(	437418.2,	3726038.5,	236.4,	263.0,	0.0);	(	437403.8,	3726033.8,	236.7,	263.0,	0.0);
(	437389.4,	3726029.0,	236.7,	263.0,	0.0);	(	437346.2,	3726014.8,	235.9,	258.0,	0.0);
(	437331.8,	3726010.1,	235.6,	258.0,	0.0);	(	437317.4,	3726005.4,	235.2,	258.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(METERS)

(437303.0,	3726000.6,	234.7,	257.0,	0.0);	(437288.6,	3725995.9,	234.3,	257.0,	0.0);
(437274.2,	3725991.2,	234.2,	257.0,	0.0);	(437259.8,	3725986.5,	234.0,	257.0,	0.0);
(438268.8,	3725897.4,	219.7,	219.7,	0.0);	(438278.7,	3725885.9,	220.0,	220.0,	0.0);
(438287.6,	3725932.6,	221.4,	230.0,	0.0);	(438274.1,	3725939.5,	220.3,	230.0,	0.0);
(438260.6,	3725946.4,	219.5,	219.5,	0.0);	(438247.1,	3725953.2,	219.0,	219.0,	0.0);
(438233.5,	3725960.1,	219.1,	219.1,	0.0);	(438220.0,	3725967.0,	219.4,	219.4,	0.0);
(438206.5,	3725973.9,	219.6,	238.0,	0.0);	(438193.0,	3725980.8,	219.8,	240.0,	0.0);
(438179.5,	3725987.7,	220.4,	240.0,	0.0);	(438166.0,	3725994.6,	221.1,	243.0,	0.0);
(438152.5,	3726001.5,	222.0,	243.0,	0.0);	(438138.9,	3726008.3,	223.1,	243.0,	0.0);
(438125.4,	3726015.2,	224.5,	243.0,	0.0);	(438111.9,	3726022.1,	226.7,	243.0,	0.0);
(437493.0,	3726102.0,	241.9,	263.0,	0.0);	(437478.6,	3726097.2,	241.4,	263.0,	0.0);
(437464.2,	3726092.5,	240.8,	263.0,	0.0);	(437449.8,	3726087.8,	240.8,	263.0,	0.0);
(437435.4,	3726083.0,	240.8,	263.0,	0.0);	(437363.3,	3726059.4,	241.6,	258.0,	0.0);
(437348.9,	3726054.6,	241.2,	258.0,	0.0);	(437334.5,	3726049.9,	241.0,	257.0,	0.0);
(437320.1,	3726045.2,	240.9,	257.0,	0.0);	(437305.7,	3726040.4,	240.2,	257.0,	0.0);
(437291.3,	3726035.7,	239.6,	257.0,	0.0);	(437276.9,	3726031.0,	239.4,	257.0,	0.0);
(437262.5,	3726026.2,	239.2,	254.0,	0.0);	(437248.0,	3726021.5,	239.5,	251.0,	0.0);
(437233.6,	3726016.8,	239.8,	251.0,	0.0);	(438299.3,	3725923.4,	222.2,	230.0,	0.0);
(438309.1,	3725911.8,	222.5,	230.0,	0.0);	(438304.5,	3725965.4,	222.8,	230.0,	0.0);
(438291.0,	3725972.3,	220.8,	232.0,	0.0);	(438277.5,	3725979.2,	219.2,	232.0,	0.0);
(438264.0,	3725986.1,	219.0,	230.0,	0.0);	(438250.4,	3725993.0,	219.2,	219.2,	0.0);
(438236.9,	3725999.9,	219.9,	219.9,	0.0);	(438223.4,	3726006.8,	220.6,	220.6,	0.0);
(438209.9,	3726013.6,	220.9,	245.0,	0.0);	(438196.3,	3726020.5,	221.2,	245.0,	0.0);
(438182.8,	3726027.4,	221.6,	245.0,	0.0);	(438169.3,	3726034.3,	222.3,	245.0,	0.0);
(438155.8,	3726041.2,	223.1,	245.0,	0.0);	(438142.2,	3726048.1,	224.2,	245.0,	0.0);
(437452.7,	3726127.6,	245.5,	263.0,	0.0);	(437438.2,	3726122.8,	245.9,	263.0,	0.0);
(437423.8,	3726118.1,	245.9,	262.0,	0.0);	(437409.4,	3726113.4,	245.7,	259.0,	0.0);
(437366.1,	3726099.2,	247.3,	257.0,	0.0);	(437351.7,	3726094.4,	247.0,	257.0,	0.0);
(437337.3,	3726089.7,	246.7,	257.0,	0.0);	(437322.9,	3726084.9,	246.4,	257.0,	0.0);
(437308.5,	3726080.2,	246.1,	254.0,	0.0);	(437294.0,	3726075.5,	245.8,	254.0,	0.0);
(437279.6,	3726070.7,	245.4,	251.0,	0.0);	(437265.2,	3726066.0,	245.1,	251.0,	0.0);
(437250.8,	3726061.3,	244.7,	251.0,	0.0);	(437236.4,	3726056.5,	244.5,	244.5,	0.0);
(437222.0,	3726051.8,	244.6,	244.6,	0.0);	(437207.5,	3726047.0,	244.8,	244.8,	0.0);
(438241.6,	3726038.9,	220.5,	245.0,	0.0);	(438228.2,	3726045.8,	221.4,	245.0,	0.0);
(438214.8,	3726052.6,	222.0,	245.0,	0.0);	(438201.5,	3726059.4,	222.3,	245.0,	0.0);
(438188.1,	3726066.2,	222.7,	245.0,	0.0);	(438174.7,	3726073.0,	223.4,	245.0,	0.0);
(437388.0,	3726145.2,	254.2,	257.0,	0.0);	(437359.5,	3726135.8,	254.0,	254.0,	0.0);
(437345.2,	3726131.2,	253.0,	254.0,	0.0);	(437331.0,	3726126.5,	251.8,	254.0,	0.0);
(437316.7,	3726121.8,	251.0,	251.0,	0.0);	(437302.5,	3726117.1,	250.7,	250.7,	0.0);
(437288.2,	3726112.4,	250.7,	250.7,	0.0);	(437273.9,	3726107.7,	249.9,	249.9,	0.0);
(437259.7,	3726103.0,	248.8,	248.8,	0.0);	(437245.4,	3726098.4,	247.7,	247.7,	0.0);
(437231.1,	3726093.7,	246.7,	246.7,	0.0);	(437216.9,	3726089.0,	246.3,	246.3,	0.0);
(437202.6,	3726084.3,	246.4,	246.4,	0.0);	(437188.4,	3726079.6,	245.8,	245.8,	0.0);
(437347.8,	3726170.9,	254.0,	255.0,	0.0);	(437333.6,	3726166.2,	252.9,	255.0,	0.0);
(437319.3,	3726161.5,	251.1,	255.0,	0.0);	(437305.0,	3726156.8,	250.0,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437290.8,	3726152.1,	249.0,	249.0,	0.0);	(437276.5,	3726147.4,	247.4,	255.0,	0.0);
(	437262.2,	3726142.8,	246.2,	252.0,	0.0);	(437247.9,	3726138.1,	245.5,	251.0,	0.0);
(	437233.6,	3726133.4,	244.7,	251.0,	0.0);	(437219.4,	3726128.7,	243.8,	249.0,	0.0);
(	437205.1,	3726124.0,	243.1,	249.0,	0.0);	(437190.8,	3726119.3,	241.6,	249.0,	0.0);
(	437176.5,	3726114.6,	239.5,	251.0,	0.0);	(437162.3,	3726109.9,	237.5,	251.0,	0.0);
(	437336.2,	3726205.9,	247.2,	258.0,	0.0);	(437321.9,	3726201.2,	247.6,	257.0,	0.0);
(	437307.6,	3726196.5,	247.2,	257.0,	0.0);	(437293.3,	3726191.9,	246.6,	257.0,	0.0);
(	437279.1,	3726187.2,	245.0,	257.0,	0.0);	(437264.8,	3726182.5,	242.9,	257.0,	0.0);
(	437250.5,	3726177.8,	240.2,	257.0,	0.0);	(437236.2,	3726173.1,	238.2,	257.0,	0.0);
(	437221.9,	3726168.4,	236.9,	257.0,	0.0);	(437207.6,	3726163.7,	235.2,	257.0,	0.0);
(	437193.3,	3726159.0,	234.3,	257.0,	0.0);	(437179.0,	3726154.3,	234.0,	257.0,	0.0);
(	437164.7,	3726149.6,	232.5,	257.0,	0.0);	(437150.5,	3726144.9,	229.4,	257.0,	0.0);
(	437136.2,	3726140.2,	226.4,	258.0,	0.0);	(437396.1,	3726264.5,	238.8,	263.0,	0.0);
(	437324.6,	3726241.0,	238.7,	263.0,	0.0);	(437310.3,	3726236.3,	241.5,	259.0,	0.0);
(	437296.0,	3726231.6,	243.5,	257.0,	0.0);	(437281.7,	3726226.9,	244.6,	257.0,	0.0);
(	437267.4,	3726222.2,	244.1,	257.0,	0.0);	(437253.1,	3726217.5,	241.2,	257.0,	0.0);
(	437238.8,	3726212.8,	235.9,	259.0,	0.0);	(437224.5,	3726208.1,	231.3,	259.0,	0.0);
(	437210.2,	3726203.4,	228.8,	259.0,	0.0);	(437195.9,	3726198.7,	227.5,	259.0,	0.0);
(	437181.6,	3726194.0,	227.2,	259.0,	0.0);	(437167.3,	3726189.3,	226.9,	259.0,	0.0);
(	437153.0,	3726184.6,	225.6,	259.0,	0.0);	(437138.7,	3726179.9,	223.9,	259.0,	0.0);
(	437124.4,	3726175.2,	221.8,	259.0,	0.0);	(437110.0,	3726170.5,	219.2,	259.0,	0.0);
(	437095.8,	3726165.8,	218.6,	259.0,	0.0);	(437413.2,	3726309.0,	239.2,	263.0,	0.0);
(	437398.8,	3726304.3,	235.2,	263.0,	0.0);	(437384.5,	3726299.6,	231.0,	263.0,	0.0);
(	437370.2,	3726294.8,	229.4,	263.0,	0.0);	(437355.9,	3726290.1,	229.6,	263.0,	0.0);
(	437341.6,	3726285.4,	230.3,	263.0,	0.0);	(437327.3,	3726280.8,	231.1,	263.0,	0.0);
(	437313.0,	3726276.0,	232.9,	263.0,	0.0);	(437298.6,	3726271.3,	235.8,	263.0,	0.0);
(	437284.3,	3726266.6,	238.1,	259.0,	0.0);	(437270.0,	3726261.9,	239.5,	258.0,	0.0);
(	437255.7,	3726257.2,	240.6,	257.0,	0.0);	(437241.4,	3726252.5,	239.6,	257.0,	0.0);
(	437227.1,	3726247.8,	236.9,	257.0,	0.0);	(437212.8,	3726243.1,	232.1,	259.0,	0.0);
(	437198.5,	3726238.4,	227.3,	259.0,	0.0);	(437184.1,	3726233.7,	224.6,	263.0,	0.0);
(	437169.8,	3726229.0,	222.3,	263.0,	0.0);	(437155.5,	3726224.3,	220.8,	263.0,	0.0);
(	437141.2,	3726219.6,	220.0,	263.0,	0.0);	(437126.9,	3726214.9,	219.5,	263.0,	0.0);
(	437112.6,	3726210.2,	218.8,	259.0,	0.0);	(437098.3,	3726205.5,	217.7,	259.0,	0.0);
(	437084.0,	3726200.8,	216.2,	259.0,	0.0);	(437069.6,	3726196.1,	215.0,	259.0,	0.0);
(	437743.5,	3725409.2,	214.5,	214.5,	0.0);	(437750.6,	3725402.8,	215.3,	218.0,	0.0);
(	437753.7,	3725416.7,	214.9,	214.9,	0.0);	(437757.4,	3725395.8,	216.3,	218.0,	0.0);
(	437762.6,	3725406.0,	216.1,	216.1,	0.0);	(437763.5,	3725416.5,	215.6,	215.6,	0.0);
(	437759.9,	3725427.4,	214.5,	216.0,	0.0);	(437764.1,	3725388.5,	217.3,	218.0,	0.0);
(	437769.7,	3725399.4,	217.1,	217.1,	0.0);	(437773.3,	3725416.1,	216.2,	216.2,	0.0);
(	437769.5,	3725427.7,	215.2,	215.2,	0.0);	(437770.8,	3725381.1,	218.4,	218.4,	0.0);
(	437776.5,	3725392.5,	218.0,	218.0,	0.0);	(437782.3,	3725403.8,	217.7,	217.7,	0.0);
(	437783.2,	3725415.6,	216.9,	216.9,	0.0);	(437777.3,	3725373.7,	219.2,	219.2,	0.0);
(	437783.3,	3725385.4,	219.0,	219.0,	0.0);	(437789.2,	3725397.0,	218.6,	218.6,	0.0);
(	437785.0,	3725439.8,	215.5,	215.5,	0.0);	(437783.9,	3725366.2,	220.0,	220.0,	0.0);
(	437790.0,	3725378.2,	219.7,	219.7,	0.0);	(437796.0,	3725390.1,	219.5,	219.5,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(437798.9,	3725427.0,	217.2,	217.2,	0.0);	(437794.8,	3725439.7,	216.1,	216.1,	0.0);
(437790.5,	3725358.8,	220.6,	220.6,	0.0);	(437796.6,	3725370.8,	220.4,	220.4,	0.0);
(437802.8,	3725383.0,	220.3,	220.3,	0.0);	(437813.0,	3725413.6,	219.1,	219.1,	0.0);
(437808.8,	3725426.5,	217.9,	217.9,	0.0);	(437804.6,	3725439.4,	216.8,	216.8,	0.0);
(437800.4,	3725452.3,	215.4,	215.4,	0.0);	(437797.0,	3725351.2,	220.9,	220.9,	0.0);
(437803.3,	3725363.5,	220.9,	220.9,	0.0);	(437809.5,	3725375.8,	220.9,	220.9,	0.0);
(437821.9,	3725400.2,	220.6,	220.6,	0.0);	(437822.9,	3725412.9,	219.8,	219.8,	0.0);
(437818.7,	3725426.0,	218.6,	218.6,	0.0);	(437814.4,	3725439.1,	217.5,	217.5,	0.0);
(437810.2,	3725452.1,	216.1,	216.1,	0.0);	(437806.0,	3725465.2,	214.5,	222.0,	0.0);
(437803.6,	3725343.7,	221.1,	221.1,	0.0);	(437809.9,	3725356.1,	221.3,	221.3,	0.0);
(437816.1,	3725368.5,	221.4,	221.4,	0.0);	(437828.7,	3725393.2,	221.5,	221.5,	0.0);
(437832.9,	3725412.2,	220.5,	220.5,	0.0);	(437828.6,	3725425.4,	219.3,	219.3,	0.0);
(437824.3,	3725438.6,	218.2,	218.2,	0.0);	(437820.0,	3725451.8,	216.8,	218.0,	0.0);
(437815.7,	3725465.0,	215.2,	226.0,	0.0);	(437816.6,	3725328.6,	221.6,	221.6,	0.0);
(437823.0,	3725341.2,	221.8,	221.8,	0.0);	(437829.4,	3725353.8,	222.0,	222.0,	0.0);
(437842.2,	3725378.9,	222.8,	222.8,	0.0);	(437848.6,	3725391.5,	222.9,	222.9,	0.0);
(437852.8,	3725410.7,	221.9,	221.9,	0.0);	(437848.4,	3725424.1,	220.7,	220.7,	0.0);
(437844.1,	3725437.6,	219.5,	219.5,	0.0);	(437831.0,	3725477.8,	215.0,	226.0,	0.0);
(437829.7,	3725313.5,	221.6,	221.6,	0.0);	(437836.2,	3725326.2,	221.8,	221.8,	0.0);
(437842.6,	3725338.9,	222.1,	222.1,	0.0);	(437855.5,	3725364.3,	223.7,	223.7,	0.0);
(437862.0,	3725377.1,	224.1,	224.1,	0.0);	(437868.4,	3725389.8,	224.4,	224.4,	0.0);
(437872.7,	3725409.2,	223.3,	223.3,	0.0);	(437859.5,	3725449.9,	219.7,	219.7,	0.0);
(437855.1,	3725463.5,	218.5,	218.5,	0.0);	(437850.7,	3725477.0,	217.1,	225.0,	0.0);
(437846.3,	3725490.6,	215.7,	225.0,	0.0);	(437842.8,	3725298.4,	220.2,	220.2,	0.0);
(437849.3,	3725311.2,	220.5,	220.5,	0.0);	(437855.8,	3725324.0,	221.0,	221.0,	0.0);
(437868.8,	3725349.6,	223.3,	223.3,	0.0);	(437875.3,	3725362.5,	224.2,	224.2,	0.0);
(437881.8,	3725375.3,	225.0,	225.0,	0.0);	(437888.3,	3725388.1,	225.8,	225.8,	0.0);
(437888.2,	3725421.4,	223.6,	223.6,	0.0);	(437879.3,	3725448.8,	221.1,	221.1,	0.0);
(437874.9,	3725462.4,	219.9,	225.0,	0.0);	(437855.8,	3725283.3,	218.8,	218.8,	0.0);
(437862.4,	3725296.2,	218.9,	218.9,	0.0);	(437868.9,	3725309.1,	219.6,	219.6,	0.0);
(437882.0,	3725334.9,	221.4,	224.0,	0.0);	(437888.6,	3725347.8,	222.9,	224.0,	0.0);
(437895.1,	3725360.6,	223.8,	223.8,	0.0);	(437901.7,	3725373.5,	224.4,	224.4,	0.0);
(437912.5,	3725406.2,	225.4,	225.4,	0.0);	(437908.1,	3725420.0,	225.1,	225.1,	0.0);
(437903.6,	3725433.8,	224.0,	224.0,	0.0);	(437881.3,	3725502.6,	218.3,	223.0,	0.0);
(437876.8,	3725516.3,	217.2,	225.0,	0.0);	(437868.8,	3725268.1,	217.5,	217.5,	0.0);
(437875.4,	3725281.1,	217.7,	217.7,	0.0);	(437882.0,	3725294.0,	218.1,	218.1,	0.0);
(437895.2,	3725320.0,	219.2,	226.0,	0.0);	(437901.8,	3725332.9,	220.0,	226.0,	0.0);
(437908.4,	3725345.9,	221.0,	226.0,	0.0);	(437914.9,	3725358.9,	221.8,	226.0,	0.0);
(437928.1,	3725384.8,	224.0,	225.0,	0.0);	(437932.5,	3725404.7,	224.6,	224.6,	0.0);
(437928.0,	3725418.5,	225.4,	225.4,	0.0);	(437923.5,	3725432.4,	225.3,	225.3,	0.0);
(437919.0,	3725446.2,	224.9,	225.0,	0.0);	(437910.0,	3725473.9,	222.2,	222.2,	0.0);
(437905.5,	3725487.7,	221.2,	221.2,	0.0);	(437901.1,	3725501.5,	220.3,	220.3,	0.0);
(437896.6,	3725515.4,	219.4,	225.0,	0.0);	(437892.1,	3725529.2,	218.5,	225.0,	0.0);
(437881.9,	3725253.0,	216.2,	216.2,	0.0);	(437888.5,	3725266.0,	216.1,	216.1,	0.0);
(437895.1,	3725279.0,	216.5,	216.5,	0.0);	(437908.3,	3725305.1,	217.4,	226.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437915.0,	3725318.1,	217.8,	226.0,	0.0);	(437921.6,	3725331.1,	218.4,	226.0,	0.0);
(	437928.2,	3725344.1,	219.2,	226.0,	0.0);	(437941.4,	3725370.2,	221.1,	225.0,	0.0);
(	437948.0,	3725383.2,	221.9,	225.0,	0.0);	(437952.4,	3725403.2,	222.8,	222.8,	0.0);
(	437947.9,	3725417.1,	224.1,	224.1,	0.0);	(437943.4,	3725431.0,	224.3,	224.3,	0.0);
(	437938.9,	3725444.9,	224.4,	224.4,	0.0);	(437934.4,	3725458.8,	224.3,	224.3,	0.0);
(	437925.4,	3725486.5,	223.1,	223.1,	0.0);	(437920.8,	3725500.4,	222.3,	222.3,	0.0);
(	437916.3,	3725514.3,	221.4,	225.0,	0.0);	(437911.8,	3725528.2,	220.5,	225.0,	0.0);
(	437894.9,	3725237.8,	214.7,	214.7,	0.0);	(437901.6,	3725250.9,	214.7,	214.7,	0.0);
(	437908.2,	3725264.0,	214.7,	214.7,	0.0);	(437921.5,	3725290.1,	215.5,	226.0,	0.0);
(	437928.1,	3725303.2,	215.9,	226.0,	0.0);	(437934.8,	3725316.2,	216.3,	226.0,	0.0);
(	437941.4,	3725329.3,	216.9,	226.0,	0.0);	(437954.7,	3725355.4,	218.6,	226.0,	0.0);
(	437961.3,	3725368.5,	219.1,	226.0,	0.0);	(437967.9,	3725381.6,	219.3,	226.0,	0.0);
(	437972.3,	3725401.6,	220.0,	226.0,	0.0);	(437967.8,	3725415.6,	221.5,	224.0,	0.0);
(	437963.3,	3725429.5,	222.6,	222.6,	0.0);	(437958.8,	3725443.5,	223.3,	223.3,	0.0);
(	437954.2,	3725457.4,	224.2,	224.2,	0.0);	(437949.7,	3725471.4,	224.8,	224.8,	0.0);
(	437940.7,	3725499.2,	224.2,	224.2,	0.0);	(437936.1,	3725513.2,	223.3,	225.0,	0.0);
(	437931.6,	3725527.1,	222.2,	225.0,	0.0);	(437908.0,	3725222.7,	213.2,	213.2,	0.0);
(	437914.6,	3725235.8,	213.3,	213.3,	0.0);	(437921.3,	3725248.9,	213.4,	213.4,	0.0);
(	437934.6,	3725275.1,	214.0,	226.0,	0.0);	(437941.2,	3725288.2,	214.2,	226.0,	0.0);
(	437947.9,	3725301.3,	214.5,	226.0,	0.0);	(437954.6,	3725314.4,	215.1,	226.0,	0.0);
(	437967.9,	3725340.7,	216.6,	226.0,	0.0);	(437974.5,	3725353.8,	217.2,	226.0,	0.0);
(	437981.2,	3725366.9,	217.3,	226.0,	0.0);	(437987.9,	3725380.0,	217.5,	226.0,	0.0);
(	437992.2,	3725400.1,	218.3,	226.0,	0.0);	(437987.7,	3725414.1,	219.3,	224.0,	0.0);
(	437983.2,	3725428.1,	220.6,	220.6,	0.0);	(437978.6,	3725442.1,	221.8,	221.8,	0.0);
(	437974.1,	3725456.0,	223.2,	223.2,	0.0);	(437969.6,	3725470.0,	224.5,	224.5,	0.0);
(	437965.0,	3725484.0,	225.1,	225.1,	0.0);	(437956.0,	3725512.0,	224.9,	224.9,	0.0);
(	437951.4,	3725526.0,	223.8,	223.8,	0.0);	(437946.9,	3725540.0,	222.7,	226.0,	0.0);
(	437927.7,	3725220.6,	212.2,	212.2,	0.0);	(437934.3,	3725233.8,	212.4,	212.4,	0.0);
(	437947.7,	3725260.1,	212.9,	212.9,	0.0);	(437954.4,	3725273.2,	213.1,	225.0,	0.0);
(	437961.0,	3725286.4,	213.3,	226.0,	0.0);	(437967.7,	3725299.5,	213.6,	226.0,	0.0);
(	437981.1,	3725325.8,	214.9,	226.0,	0.0);	(437987.8,	3725339.0,	215.3,	226.0,	0.0);
(	437994.4,	3725352.1,	215.7,	226.0,	0.0);	(438001.1,	3725365.2,	216.1,	226.0,	0.0);
(	438007.8,	3725378.4,	216.6,	224.0,	0.0);	(438012.2,	3725398.5,	217.3,	224.0,	0.0);
(	438007.6,	3725412.6,	218.0,	225.0,	0.0);	(438003.1,	3725426.6,	219.4,	225.0,	0.0);
(	437998.5,	3725440.6,	220.9,	225.0,	0.0);	(437994.0,	3725454.6,	222.4,	225.0,	0.0);
(	437989.5,	3725468.7,	223.9,	223.9,	0.0);	(437984.9,	3725482.7,	225.1,	225.1,	0.0);
(	437980.3,	3725496.7,	225.7,	225.7,	0.0);	(437971.3,	3725524.8,	225.4,	225.4,	0.0);
(	437966.7,	3725538.8,	224.6,	226.0,	0.0);	(437962.2,	3725552.8,	223.5,	226.0,	0.0);
(	437912.0,	3725196.1,	211.7,	220.0,	0.0);	(437959.8,	3725243.2,	211.9,	211.9,	0.0);
(	437972.8,	3725268.7,	212.3,	212.3,	0.0);	(437979.3,	3725281.5,	212.5,	225.0,	0.0);
(	437992.3,	3725307.0,	213.2,	225.0,	0.0);	(437998.7,	3725319.8,	213.4,	226.0,	0.0);
(	438005.2,	3725332.5,	213.7,	226.0,	0.0);	(438011.7,	3725345.3,	214.2,	226.0,	0.0);
(	438018.2,	3725358.1,	214.6,	226.0,	0.0);	(438024.7,	3725370.8,	215.0,	224.0,	0.0);
(	438031.1,	3725383.6,	215.4,	215.4,	0.0);	(438032.2,	3725396.8,	216.4,	216.4,	0.0);
(	438027.8,	3725410.4,	217.6,	217.6,	0.0);	(438023.4,	3725424.0,	218.7,	218.7,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438018.9,	3725437.6,	219.9,	224.0,	0.0);	(438014.5,	3725451.3,	221.3,	224.0,	0.0);
(438010.1,	3725464.9,	222.9,	224.0,	0.0);	(438005.7,	3725478.5,	224.3,	224.3,	0.0);
(438001.3,	3725492.1,	225.2,	225.2,	0.0);	(437996.9,	3725505.7,	226.0,	226.0,	0.0);
(437988.0,	3725533.0,	226.2,	226.2,	0.0);	(437983.6,	3725546.6,	225.5,	225.5,	0.0);
(437979.2,	3725560.2,	224.4,	224.4,	0.0);	(437974.8,	3725573.8,	222.9,	224.0,	0.0);
(437966.0,	3725601.1,	219.7,	226.0,	0.0);	(438005.6,	3725272.1,	211.3,	211.3,	0.0);
(438012.1,	3725284.9,	211.5,	211.5,	0.0);	(438018.7,	3725297.8,	211.8,	211.8,	0.0);
(438025.2,	3725310.6,	212.0,	225.0,	0.0);	(438031.7,	3725323.4,	212.2,	212.2,	0.0);
(438038.2,	3725336.3,	212.4,	212.4,	0.0);	(438044.7,	3725349.1,	212.6,	212.6,	0.0);
(438051.3,	3725362.0,	213.0,	213.0,	0.0);	(438057.8,	3725374.8,	213.6,	213.6,	0.0);
(438062.1,	3725394.5,	214.9,	218.0,	0.0);	(438057.6,	3725408.2,	216.2,	216.2,	0.0);
(438053.2,	3725421.9,	217.6,	217.6,	0.0);	(438048.8,	3725435.6,	218.9,	218.9,	0.0);
(438044.3,	3725449.3,	220.1,	220.1,	0.0);	(438039.9,	3725463.0,	221.1,	221.1,	0.0);
(438035.4,	3725476.7,	222.3,	222.3,	0.0);	(438031.0,	3725490.3,	223.9,	223.9,	0.0);
(438026.6,	3725504.0,	225.3,	225.3,	0.0);	(438022.1,	3725517.7,	226.0,	226.0,	0.0);
(438008.8,	3725558.8,	226.2,	226.2,	0.0);	(438004.4,	3725572.5,	225.0,	226.0,	0.0);
(437999.9,	3725586.2,	223.3,	226.0,	0.0);	(438032.0,	3725262.8,	210.2,	210.2,	0.0);
(438045.1,	3725288.5,	210.8,	210.8,	0.0);	(438051.6,	3725301.4,	211.2,	211.2,	0.0);
(438058.2,	3725314.3,	211.6,	211.6,	0.0);	(438064.7,	3725327.2,	212.0,	212.0,	0.0);
(438071.3,	3725340.1,	212.0,	212.0,	0.0);	(438077.8,	3725353.0,	212.0,	212.0,	0.0);
(438084.4,	3725365.9,	212.5,	212.5,	0.0);	(438090.9,	3725378.8,	213.0,	213.0,	0.0);
(438092.0,	3725392.2,	213.7,	213.7,	0.0);	(438087.5,	3725405.9,	214.7,	214.7,	0.0);
(438083.1,	3725419.7,	215.9,	219.0,	0.0);	(438078.6,	3725433.4,	217.4,	219.0,	0.0);
(438074.1,	3725447.2,	218.9,	218.9,	0.0);	(438069.7,	3725461.0,	220.0,	220.0,	0.0);
(438065.2,	3725474.7,	221.1,	221.1,	0.0);	(438060.8,	3725488.5,	222.2,	225.0,	0.0);
(438056.3,	3725502.3,	223.6,	223.6,	0.0);	(438051.8,	3725516.0,	224.7,	224.7,	0.0);
(438047.4,	3725529.8,	225.5,	225.5,	0.0);	(438042.9,	3725543.5,	225.9,	225.9,	0.0);
(438029.5,	3725584.8,	224.5,	224.5,	0.0);	(438025.1,	3725598.6,	223.3,	223.3,	0.0);
(438020.6,	3725612.3,	221.9,	221.9,	0.0);	(438011.7,	3725639.9,	219.2,	219.2,	0.0);
(438078.1,	3725292.3,	210.6,	210.6,	0.0);	(438084.7,	3725305.2,	210.8,	210.8,	0.0);
(438091.2,	3725318.2,	211.0,	211.0,	0.0);	(438097.8,	3725331.1,	211.2,	211.2,	0.0);
(438104.4,	3725344.1,	211.6,	211.6,	0.0);	(438111.0,	3725357.0,	212.0,	212.0,	0.0);
(438117.5,	3725370.0,	212.5,	212.5,	0.0);	(438121.9,	3725389.8,	213.2,	213.2,	0.0);
(438117.4,	3725403.7,	213.8,	213.8,	0.0);	(438112.9,	3725417.5,	214.7,	218.0,	0.0);
(438108.4,	3725431.3,	216.1,	218.0,	0.0);	(438104.0,	3725445.1,	217.6,	217.6,	0.0);
(438099.5,	3725458.9,	218.4,	218.4,	0.0);	(438095.0,	3725472.8,	219.2,	219.2,	0.0);
(438090.5,	3725486.6,	220.1,	223.0,	0.0);	(438086.0,	3725500.4,	221.1,	223.0,	0.0);
(438081.6,	3725514.2,	222.3,	225.0,	0.0);	(438077.1,	3725528.0,	223.7,	225.0,	0.0);
(438072.6,	3725541.8,	224.9,	224.9,	0.0);	(438068.1,	3725555.7,	225.7,	225.7,	0.0);
(438054.7,	3725597.1,	223.9,	223.9,	0.0);	(438050.2,	3725610.9,	223.0,	223.0,	0.0);
(438045.7,	3725624.8,	222.1,	222.1,	0.0);	(438041.2,	3725638.6,	221.2,	221.2,	0.0);
(438104.5,	3725283.1,	210.0,	210.0,	0.0);	(438111.1,	3725296.1,	210.0,	210.0,	0.0);
(438117.7,	3725309.1,	210.4,	210.4,	0.0);	(438124.3,	3725322.1,	210.9,	210.9,	0.0);
(438130.9,	3725335.1,	211.3,	211.3,	0.0);	(438137.5,	3725348.1,	211.8,	211.8,	0.0);
(438144.1,	3725361.1,	212.2,	212.2,	0.0);	(438150.7,	3725374.1,	212.6,	212.6,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(438151.8, 3725387.5,	213.1,	213.1,	0.0);	(438147.3, 3725401.4,	213.5,	213.5,	0.0);
(438142.8, 3725415.3,	214.0,	214.0,	0.0);	(438138.3, 3725429.1,	214.7,	214.7,	0.0);
(438133.8, 3725443.0,	215.7,	215.7,	0.0);	(438129.3, 3725456.9,	216.7,	216.7,	0.0);
(438124.8, 3725470.7,	217.8,	217.8,	0.0);	(438120.3, 3725484.6,	218.6,	218.6,	0.0);
(438115.8, 3725498.5,	219.2,	219.2,	0.0);	(438111.3, 3725512.3,	219.9,	225.0,	0.0);
(438106.8, 3725526.2,	220.8,	225.0,	0.0);	(438102.3, 3725540.1,	221.9,	221.9,	0.0);
(438097.8, 3725553.9,	222.8,	226.0,	0.0);	(438093.3, 3725567.8,	223.6,	226.0,	0.0);
(438088.8, 3725581.6,	223.7,	223.7,	0.0);	(438075.4, 3725623.2,	222.2,	222.2,	0.0);
(438070.9, 3725637.1,	221.6,	221.6,	0.0);	(438066.4, 3725651.0,	221.1,	221.1,	0.0);
(438057.4, 3725678.7,	219.2,	219.2,	0.0);	(438137.6, 3725287.0,	210.2,	210.2,	0.0);
(438144.2, 3725300.0,	210.6,	210.6,	0.0);	(438150.8, 3725313.1,	211.3,	211.3,	0.0);
(438157.5, 3725326.1,	211.9,	211.9,	0.0);	(438164.1, 3725339.1,	212.1,	212.1,	0.0);
(438170.7, 3725352.2,	212.3,	212.3,	0.0);	(438177.3, 3725365.2,	212.7,	212.7,	0.0);
(438181.7, 3725385.2,	213.0,	213.0,	0.0);	(438177.2, 3725399.1,	213.4,	213.4,	0.0);
(438172.7, 3725413.0,	213.9,	213.9,	0.0);	(438168.1, 3725426.9,	214.3,	214.3,	0.0);
(438163.6, 3725440.8,	214.7,	214.7,	0.0);	(438159.1, 3725454.8,	215.6,	215.6,	0.0);
(438154.6, 3725468.7,	216.7,	216.7,	0.0);	(438150.1, 3725482.6,	217.5,	217.5,	0.0);
(438145.6, 3725496.5,	218.2,	218.2,	0.0);	(438141.1, 3725510.4,	218.7,	218.7,	0.0);
(438136.6, 3725524.3,	218.9,	218.9,	0.0);	(438132.1, 3725538.2,	219.1,	226.0,	0.0);
(438127.6, 3725552.1,	220.2,	220.2,	0.0);	(438123.1, 3725566.0,	221.4,	221.4,	0.0);
(438118.6, 3725579.9,	221.4,	221.4,	0.0);	(438114.0, 3725593.8,	221.6,	221.6,	0.0);
(438109.5, 3725607.7,	221.9,	221.9,	0.0);	(438100.5, 3725635.5,	221.7,	221.7,	0.0);
(438096.0, 3725649.5,	221.2,	221.2,	0.0);	(438091.5, 3725663.4,	220.6,	220.6,	0.0);
(438087.0, 3725677.3,	219.9,	219.9,	0.0);	(438082.5, 3725691.2,	219.1,	219.1,	0.0);
(438170.7, 3725291.0,	210.9,	210.9,	0.0);	(438177.3, 3725304.0,	211.3,	211.3,	0.0);
(438184.0, 3725317.1,	211.7,	211.7,	0.0);	(438190.6, 3725330.2,	212.1,	212.1,	0.0);
(438197.2, 3725343.2,	212.6,	212.6,	0.0);	(438203.9, 3725356.3,	213.0,	213.0,	0.0);
(438210.5, 3725369.4,	213.3,	213.3,	0.0);	(438211.6, 3725382.9,	213.7,	213.7,	0.0);
(438207.1, 3725396.8,	213.7,	213.7,	0.0);	(438202.5, 3725410.8,	213.9,	213.9,	0.0);
(438198.0, 3725424.7,	214.1,	214.1,	0.0);	(438193.5, 3725438.7,	214.1,	214.1,	0.0);
(438189.0, 3725452.6,	214.5,	214.5,	0.0);	(438184.5, 3725466.6,	215.5,	215.5,	0.0);
(438179.9, 3725480.5,	216.5,	216.5,	0.0);	(438175.4, 3725494.4,	217.1,	217.1,	0.0);
(438170.9, 3725508.4,	217.7,	217.7,	0.0);	(438166.4, 3725522.3,	218.3,	218.3,	0.0);
(438161.8, 3725536.3,	218.9,	218.9,	0.0);	(438157.3, 3725550.2,	219.1,	219.1,	0.0);
(438152.8, 3725564.2,	219.4,	219.4,	0.0);	(438148.3, 3725578.1,	219.6,	219.6,	0.0);
(438143.8, 3725592.1,	219.6,	219.6,	0.0);	(438139.2, 3725606.0,	220.0,	220.0,	0.0);
(438134.7, 3725619.9,	220.6,	220.6,	0.0);	(438121.2, 3725661.8,	220.8,	220.8,	0.0);
(438223.8, 3725334.3,	212.4,	212.4,	0.0);	(438230.5, 3725347.4,	212.8,	212.8,	0.0);
(438237.1, 3725360.5,	213.2,	213.2,	0.0);	(438241.5, 3725380.6,	213.8,	213.8,	0.0);
(438237.0, 3725394.5,	214.0,	214.0,	0.0);	(438232.4, 3725408.5,	214.0,	214.0,	0.0);
(438227.9, 3725422.5,	214.2,	214.2,	0.0);	(438223.4, 3725436.5,	214.7,	214.7,	0.0);
(438218.8, 3725450.4,	215.1,	215.1,	0.0);	(438214.3, 3725464.4,	215.5,	215.5,	0.0);
(438209.8, 3725478.4,	216.0,	216.0,	0.0);	(438205.2, 3725492.4,	216.3,	216.3,	0.0);
(438200.7, 3725506.4,	216.6,	216.6,	0.0);	(438196.2, 3725520.3,	217.3,	217.3,	0.0);
(438191.6, 3725534.3,	217.9,	217.9,	0.0);	(438187.1, 3725548.3,	218.1,	218.1,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438182.6,	3725562.3,	218.2,	218.2,	0.0);	(438178.0,	3725576.2,	218.6,	218.6,	0.0);
(438173.5,	3725590.2,	218.9,	218.9,	0.0);	(438169.0,	3725604.2,	219.2,	219.2,	0.0);
(438164.5,	3725618.2,	219.6,	219.6,	0.0);	(438159.9,	3725632.2,	220.0,	220.0,	0.0);
(438155.4,	3725646.1,	220.1,	220.1,	0.0);	(438132.7,	3725716.0,	218.1,	218.1,	0.0);
(438128.2,	3725730.0,	218.0,	218.0,	0.0);	(438271.4,	3725378.2,	213.7,	213.7,	0.0);
(438266.8,	3725392.2,	214.0,	214.0,	0.0);	(438262.3,	3725406.2,	214.0,	214.0,	0.0);
(438257.8,	3725420.2,	214.1,	214.1,	0.0);	(438253.2,	3725434.3,	214.6,	214.6,	0.0);
(438248.7,	3725448.3,	215.1,	215.1,	0.0);	(438244.1,	3725462.3,	215.5,	215.5,	0.0);
(438239.6,	3725476.3,	216.0,	216.0,	0.0);	(438235.1,	3725490.3,	216.0,	216.0,	0.0);
(438230.5,	3725504.3,	216.0,	216.0,	0.0);	(438226.0,	3725518.3,	216.4,	216.4,	0.0);
(438221.4,	3725532.3,	216.9,	216.9,	0.0);	(438216.9,	3725546.3,	217.4,	217.4,	0.0);
(438212.4,	3725560.3,	217.9,	217.9,	0.0);	(438207.8,	3725574.3,	218.1,	218.1,	0.0);
(438203.3,	3725588.3,	218.4,	218.4,	0.0);	(438198.7,	3725602.3,	218.7,	218.7,	0.0);
(438194.2,	3725616.3,	218.9,	218.9,	0.0);	(438189.6,	3725630.4,	219.0,	219.0,	0.0);
(438185.1,	3725644.4,	219.2,	219.2,	0.0);	(438180.6,	3725658.4,	219.3,	219.3,	0.0);
(438167.0,	3725700.4,	218.9,	218.9,	0.0);	(438162.4,	3725714.4,	218.9,	218.9,	0.0);
(438157.9,	3725728.4,	218.6,	218.6,	0.0);	(438153.3,	3725742.4,	218.1,	218.1,	0.0);
(438148.8,	3725756.4,	217.7,	217.7,	0.0);	(438292.2,	3725404.0,	214.0,	214.0,	0.0);
(438287.6,	3725418.0,	214.1,	214.1,	0.0);	(438283.1,	3725432.0,	214.5,	214.5,	0.0);
(438278.5,	3725446.1,	215.0,	215.0,	0.0);	(438274.0,	3725460.1,	215.1,	215.1,	0.0);
(438269.5,	3725474.1,	215.3,	215.3,	0.0);	(438264.9,	3725488.2,	215.7,	215.7,	0.0);
(438260.3,	3725502.2,	216.0,	216.0,	0.0);	(438255.8,	3725516.2,	216.3,	216.3,	0.0);
(438251.2,	3725530.3,	216.8,	216.8,	0.0);	(438246.7,	3725544.3,	217.0,	217.0,	0.0);
(438242.1,	3725558.3,	217.2,	217.2,	0.0);	(438237.6,	3725572.4,	217.4,	217.4,	0.0);
(438233.0,	3725586.4,	217.6,	217.6,	0.0);	(438228.5,	3725600.4,	217.8,	217.8,	0.0);
(438224.0,	3725614.5,	217.9,	217.9,	0.0);	(438219.4,	3725628.5,	218.0,	218.0,	0.0);
(438214.8,	3725642.5,	218.2,	218.2,	0.0);	(438210.3,	3725656.6,	218.3,	218.3,	0.0);
(438205.8,	3725670.6,	218.5,	218.5,	0.0);	(438201.2,	3725684.6,	218.6,	218.6,	0.0);
(438192.1,	3725712.7,	218.1,	218.1,	0.0);	(438187.5,	3725726.7,	218.0,	218.0,	0.0);
(438183.0,	3725740.8,	218.0,	218.0,	0.0);	(438178.5,	3725754.8,	217.9,	217.9,	0.0);
(438173.9,	3725768.8,	217.6,	217.6,	0.0);	(438313.3,	3725428.8,	214.4,	214.4,	0.0);
(438308.8,	3725442.6,	214.9,	214.9,	0.0);	(438304.3,	3725456.5,	215.0,	215.0,	0.0);
(438299.8,	3725470.3,	215.0,	215.0,	0.0);	(438295.3,	3725484.1,	215.3,	215.3,	0.0);
(438290.9,	3725498.0,	215.7,	215.7,	0.0);	(438286.4,	3725511.8,	216.0,	216.0,	0.0);
(438281.9,	3725525.6,	216.0,	216.0,	0.0);	(438277.4,	3725539.5,	216.2,	216.2,	0.0);
(438272.9,	3725553.3,	216.7,	216.7,	0.0);	(438268.4,	3725567.1,	217.0,	217.0,	0.0);
(438264.0,	3725581.0,	217.0,	217.0,	0.0);	(438259.5,	3725594.8,	217.0,	217.0,	0.0);
(438255.0,	3725608.6,	217.4,	217.4,	0.0);	(438250.5,	3725622.5,	217.9,	217.9,	0.0);
(438246.0,	3725636.3,	218.0,	218.0,	0.0);	(438241.5,	3725650.1,	218.0,	218.0,	0.0);
(438237.0,	3725664.0,	218.0,	218.0,	0.0);	(438232.6,	3725677.8,	218.0,	218.0,	0.0);
(438228.1,	3725691.6,	218.0,	218.0,	0.0);	(438223.6,	3725705.5,	218.0,	218.0,	0.0);
(438214.6,	3725733.1,	218.0,	218.0,	0.0);	(438210.1,	3725747.0,	218.0,	218.0,	0.0);
(438205.7,	3725760.8,	218.0,	218.0,	0.0);	(438201.2,	3725774.6,	218.0,	218.0,	0.0);
(438196.7,	3725788.5,	218.0,	218.0,	0.0);	(438344.1,	3725453.6,	214.0,	214.0,	0.0);
(438339.6,	3725467.5,	214.0,	214.0,	0.0);	(438335.1,	3725481.4,	214.3,	214.3,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438330.6,	3725495.2,	214.9,	214.9,	0.0);	(438326.1,	3725509.1,	215.5,	215.5,	0.0);
(438321.6,	3725523.0,	215.8,	215.8,	0.0);	(438317.1,	3725536.9,	216.0,	216.0,	0.0);
(438312.6,	3725550.7,	216.5,	216.5,	0.0);	(438308.1,	3725564.6,	217.0,	217.0,	0.0);
(438303.6,	3725578.5,	217.0,	217.0,	0.0);	(438299.1,	3725592.4,	217.0,	217.0,	0.0);
(438294.6,	3725606.2,	217.3,	217.3,	0.0);	(438290.1,	3725620.1,	217.8,	217.8,	0.0);
(438285.6,	3725634.0,	218.0,	218.0,	0.0);	(438281.1,	3725647.9,	218.0,	218.0,	0.0);
(438276.6,	3725661.7,	218.0,	218.0,	0.0);	(438272.1,	3725675.6,	218.0,	218.0,	0.0);
(438267.6,	3725689.5,	218.0,	218.0,	0.0);	(438263.1,	3725703.4,	218.0,	218.0,	0.0);
(438258.6,	3725717.2,	218.0,	218.0,	0.0);	(438254.1,	3725731.1,	218.0,	218.0,	0.0);
(438240.6,	3725772.8,	218.0,	218.0,	0.0);	(438236.1,	3725786.6,	218.0,	218.0,	0.0);
(438231.7,	3725800.5,	218.0,	218.0,	0.0);	(438227.2,	3725814.4,	218.1,	218.1,	0.0);
(438374.9,	3725478.5,	214.1,	245.0,	0.0);	(438370.4,	3725492.5,	214.5,	214.5,	0.0);
(438365.9,	3725506.4,	215.0,	215.0,	0.0);	(438361.4,	3725520.3,	215.5,	215.5,	0.0);
(438356.8,	3725534.2,	215.9,	215.9,	0.0);	(438352.3,	3725548.1,	216.4,	216.4,	0.0);
(438347.8,	3725562.0,	216.9,	216.9,	0.0);	(438343.3,	3725575.9,	217.3,	217.3,	0.0);
(438338.8,	3725589.8,	217.8,	217.8,	0.0);	(438334.3,	3725603.8,	217.9,	217.9,	0.0);
(438329.8,	3725617.7,	217.9,	217.9,	0.0);	(438325.3,	3725631.6,	218.1,	218.1,	0.0);
(438320.8,	3725645.5,	218.2,	218.2,	0.0);	(438316.3,	3725659.4,	218.2,	218.2,	0.0);
(438311.8,	3725673.3,	218.1,	218.1,	0.0);	(438307.2,	3725687.2,	218.0,	218.0,	0.0);
(438302.7,	3725701.1,	218.0,	218.0,	0.0);	(438298.2,	3725715.0,	218.0,	218.0,	0.0);
(438293.7,	3725729.0,	218.2,	218.2,	0.0);	(438289.2,	3725742.9,	218.3,	218.3,	0.0);
(438284.7,	3725756.8,	218.2,	218.2,	0.0);	(438271.2,	3725798.5,	218.5,	218.5,	0.0);
(438266.6,	3725812.4,	218.7,	218.7,	0.0);	(438262.1,	3725826.3,	218.8,	218.8,	0.0);
(438257.6,	3725840.3,	219.0,	219.0,	0.0);	(438401.1,	3725517.5,	215.8,	215.8,	0.0);
(438396.6,	3725531.5,	216.6,	216.6,	0.0);	(438392.1,	3725545.4,	217.1,	217.1,	0.0);
(438387.6,	3725559.4,	217.4,	217.4,	0.0);	(438383.0,	3725573.3,	217.7,	217.7,	0.0);
(438378.5,	3725587.3,	218.0,	218.0,	0.0);	(438374.0,	3725601.2,	218.3,	218.3,	0.0);
(438369.5,	3725615.1,	218.6,	218.6,	0.0);	(438365.0,	3725629.1,	218.9,	218.9,	0.0);
(438360.4,	3725643.0,	218.9,	218.9,	0.0);	(438355.9,	3725657.0,	219.0,	219.0,	0.0);
(438351.4,	3725670.9,	219.2,	219.2,	0.0);	(438346.9,	3725684.9,	219.2,	219.2,	0.0);
(438342.3,	3725698.8,	219.1,	219.1,	0.0);	(438337.8,	3725712.8,	218.9,	218.9,	0.0);
(438333.3,	3725726.7,	218.9,	218.9,	0.0);	(438328.8,	3725740.6,	218.9,	218.9,	0.0);
(438324.3,	3725754.6,	219.0,	219.0,	0.0);	(438319.8,	3725768.5,	219.0,	219.0,	0.0);
(438315.2,	3725782.5,	219.0,	219.0,	0.0);	(438288.1,	3725866.2,	220.0,	220.0,	0.0);
(438431.8,	3725542.7,	218.0,	218.0,	0.0);	(438427.3,	3725556.7,	218.0,	218.0,	0.0);
(438422.8,	3725570.6,	218.2,	218.2,	0.0);	(438418.2,	3725584.6,	218.6,	218.6,	0.0);
(438413.7,	3725598.6,	219.0,	219.0,	0.0);	(438409.2,	3725612.6,	219.2,	219.2,	0.0);
(438404.6,	3725626.5,	219.2,	219.2,	0.0);	(438400.1,	3725640.5,	219.5,	219.5,	0.0);
(438395.6,	3725654.5,	219.8,	219.8,	0.0);	(438391.0,	3725668.5,	219.8,	219.8,	0.0);
(438386.5,	3725682.4,	220.0,	220.0,	0.0);	(438382.0,	3725696.4,	220.0,	220.0,	0.0);
(438377.5,	3725710.4,	220.0,	220.0,	0.0);	(438372.9,	3725724.4,	220.0,	220.0,	0.0);
(438368.4,	3725738.3,	220.0,	220.0,	0.0);	(438363.9,	3725752.3,	219.8,	219.8,	0.0);
(438359.3,	3725766.3,	219.7,	219.7,	0.0);	(438354.8,	3725780.3,	219.5,	219.5,	0.0);
(438350.3,	3725794.2,	219.4,	219.4,	0.0);	(438345.8,	3725808.2,	219.2,	219.2,	0.0);
(438332.2,	3725850.1,	220.0,	220.0,	0.0);	(438327.6,	3725864.1,	220.5,	220.5,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438323.1,	3725878.1,	221.2,	221.2,	0.0);	(438318.6,	3725892.1,	222.0,	222.0,	0.0);
(438458.0,	3725581.9,	218.5,	218.5,	0.0);	(438453.4,	3725595.9,	219.0,	219.0,	0.0);
(438448.9,	3725609.9,	219.5,	219.5,	0.0);	(438444.4,	3725623.9,	219.9,	219.9,	0.0);
(438439.8,	3725637.9,	220.0,	220.0,	0.0);	(438435.3,	3725651.9,	220.0,	220.0,	0.0);
(438430.7,	3725665.9,	220.3,	220.3,	0.0);	(438426.2,	3725679.9,	220.7,	220.7,	0.0);
(438421.7,	3725693.9,	220.7,	220.7,	0.0);	(438417.1,	3725707.9,	220.6,	220.6,	0.0);
(438412.6,	3725721.9,	220.4,	220.4,	0.0);	(438408.0,	3725735.9,	220.3,	220.3,	0.0);
(438403.5,	3725749.9,	220.1,	220.1,	0.0);	(438399.0,	3725763.9,	220.0,	220.0,	0.0);
(438394.4,	3725777.9,	220.0,	220.0,	0.0);	(438389.9,	3725791.9,	220.0,	220.0,	0.0);
(438385.3,	3725805.9,	220.0,	220.0,	0.0);	(438380.8,	3725819.9,	220.2,	220.2,	0.0);
(438376.3,	3725833.9,	220.2,	220.2,	0.0);	(438362.6,	3725875.9,	222.7,	225.0,	0.0);
(438358.1,	3725889.9,	223.7,	223.7,	0.0);	(438353.6,	3725904.0,	224.3,	230.0,	0.0);
(438488.6,	3725607.3,	219.4,	219.4,	0.0);	(438484.1,	3725621.3,	219.8,	219.8,	0.0);
(438479.5,	3725635.3,	220.0,	220.0,	0.0);	(438475.0,	3725649.3,	220.0,	220.0,	0.0);
(438470.4,	3725663.4,	220.2,	220.2,	0.0);	(438465.9,	3725677.4,	220.7,	220.7,	0.0);
(438461.3,	3725691.4,	221.0,	221.0,	0.0);	(438456.8,	3725705.4,	221.0,	221.0,	0.0);
(438452.2,	3725719.5,	221.0,	221.0,	0.0);	(438447.7,	3725733.5,	221.0,	221.0,	0.0);
(438443.2,	3725747.5,	221.0,	221.0,	0.0);	(438438.6,	3725761.5,	221.2,	221.2,	0.0);
(438434.1,	3725775.6,	221.2,	221.2,	0.0);	(438429.5,	3725789.6,	221.0,	221.0,	0.0);
(438425.0,	3725803.6,	220.9,	220.9,	0.0);	(438420.4,	3725817.6,	221.1,	221.1,	0.0);
(438311.7,	3724752.2,	241.7,	255.0,	0.0);	(438318.4,	3724765.3,	242.6,	255.0,	0.0);
(438325.1,	3724778.5,	243.7,	252.0,	0.0);	(438331.8,	3724791.7,	245.2,	252.0,	0.0);
(438519.3,	3725632.6,	220.0,	220.0,	0.0);	(438514.7,	3725646.7,	220.0,	220.0,	0.0);
(438510.2,	3725660.7,	220.2,	220.2,	0.0);	(438505.6,	3725674.8,	220.6,	220.6,	0.0);
(438501.0,	3725688.8,	221.0,	221.0,	0.0);	(438496.5,	3725702.9,	221.0,	221.0,	0.0);
(438491.9,	3725716.9,	221.0,	221.0,	0.0);	(438487.4,	3725731.0,	221.5,	221.5,	0.0);
(438482.8,	3725745.0,	221.8,	221.8,	0.0);	(438478.3,	3725759.1,	221.8,	221.8,	0.0);
(438302.8,	3724740.8,	241.4,	255.0,	0.0);	(438337.8,	3724721.8,	237.0,	255.0,	0.0);
(438344.4,	3724734.8,	238.0,	255.0,	0.0);	(438351.0,	3724747.9,	239.2,	255.0,	0.0);
(438357.6,	3724760.9,	240.5,	252.0,	0.0);	(438364.3,	3724774.0,	242.1,	252.0,	0.0);
(438370.9,	3724787.0,	243.9,	250.0,	0.0);	(438377.5,	3724800.1,	245.0,	250.0,	0.0);
(438384.1,	3724813.1,	247.4,	250.0,	0.0);	(438390.8,	3724826.1,	248.9,	248.9,	0.0);
(438417.3,	3724878.3,	240.4,	252.0,	0.0);	(438423.9,	3724891.4,	237.3,	252.0,	0.0);
(438430.5,	3724904.4,	234.2,	252.0,	0.0);	(438437.1,	3724917.5,	231.2,	252.0,	0.0);
(438443.8,	3724930.5,	228.1,	265.0,	0.0);	(438450.4,	3724943.6,	225.7,	268.0,	0.0);
(438546.4,	3725668.7,	220.4,	220.4,	0.0);	(438541.9,	3725682.6,	220.9,	220.9,	0.0);
(438537.4,	3725696.5,	221.0,	221.0,	0.0);	(438370.5,	3724704.5,	233.8,	255.0,	0.0);
(438377.1,	3724717.6,	234.9,	255.0,	0.0);	(438383.7,	3724730.6,	236.0,	255.0,	0.0);
(438390.4,	3724743.7,	237.1,	255.0,	0.0);	(438397.0,	3724756.8,	238.2,	252.0,	0.0);
(438403.6,	3724769.8,	239.2,	252.0,	0.0);	(438410.3,	3724782.9,	240.0,	252.0,	0.0);
(438416.9,	3724796.0,	242.6,	250.0,	0.0);	(438423.5,	3724809.1,	245.7,	250.0,	0.0);
(438430.2,	3724822.1,	246.7,	250.0,	0.0);	(438436.8,	3724835.2,	245.3,	250.0,	0.0);
(438443.5,	3724848.3,	243.7,	250.0,	0.0);	(438450.1,	3724861.3,	240.2,	250.0,	0.0);
(438456.7,	3724874.4,	236.7,	252.0,	0.0);	(438463.4,	3724887.5,	233.4,	252.0,	0.0);
(438470.0,	3724900.6,	229.6,	265.0,	0.0);	(438396.5,	3724674.2,	229.2,	262.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(METERS)

(	438403.2,	3724687.3,	230.6,	262.0,	0.0);	(	438409.8,	3724700.4,	232.1,	262.0,	0.0);
(	438416.5,	3724713.4,	233.2,	255.0,	0.0);	(	438423.1,	3724726.5,	234.3,	255.0,	0.0);
(	438429.8,	3724739.6,	235.4,	252.0,	0.0);	(	438436.4,	3724752.7,	236.4,	250.0,	0.0);
(	438443.1,	3724765.8,	237.3,	250.0,	0.0);	(	438449.7,	3724778.9,	238.4,	250.0,	0.0);
(	438456.3,	3724792.0,	239.7,	250.0,	0.0);	(	438463.0,	3724805.1,	240.6,	250.0,	0.0);
(	438469.6,	3724818.2,	240.9,	250.0,	0.0);	(	438476.3,	3724831.3,	239.5,	250.0,	0.0);
(	438483.0,	3724844.4,	237.5,	250.0,	0.0);	(	438489.6,	3724857.4,	234.1,	250.0,	0.0);
(	438496.2,	3724870.5,	231.2,	265.0,	0.0);	(	437835.2,	3725488.9,	214.7,	226.0,	0.0);
(	437840.8,	3725481.7,	215.7,	226.0,	0.0);	(	437882.9,	3725525.4,	217.5,	225.0,	0.0);
(	437898.7,	3725537.6,	218.8,	225.0,	0.0);	(	438198.7,	3725721.6,	218.0,	218.0,	0.0);
(	438222.5,	3725739.8,	218.0,	218.0,	0.0);	(	438280.5,	3725795.7,	218.7,	218.7,	0.0);
(	437841.2,	3725401.4,	221.8,	221.8,	0.0);	(	437860.7,	3725405.5,	222.8,	222.8,	0.0);
(	437899.8,	3725413.6,	224.8,	224.8,	0.0);	(	437916.0,	3725425.0,	225.4,	225.4,	0.0);
(	437922.7,	3725410.2,	225.6,	225.6,	0.0);	(	437926.0,	3725393.7,	224.7,	224.7,	0.0);
(	437939.0,	3725421.6,	224.7,	224.7,	0.0);	(	437932.1,	3725436.6,	224.8,	224.8,	0.0);
(	437955.1,	3725433.1,	223.5,	223.5,	0.0);	(	437948.3,	3725448.2,	224.1,	224.1,	0.0);
(	437964.3,	3725460.0,	223.9,	223.9,	0.0);	(	437980.4,	3725471.8,	224.5,	225.0,	0.0);
(	437991.4,	3725494.7,	225.5,	225.5,	0.0);	(	438037.1,	3725441.0,	219.7,	219.7,	0.0);
(	438030.5,	3725455.5,	221.0,	224.0,	0.0);	(	438023.9,	3725470.1,	222.5,	222.5,	0.0);
(	438017.3,	3725484.6,	224.1,	224.1,	0.0);	(	438010.7,	3725499.2,	225.5,	225.5,	0.0);
(	438004.1,	3725513.7,	226.2,	226.2,	0.0);	(	438042.1,	3725425.4,	218.5,	218.5,	0.0);
(	438063.0,	3725454.7,	219.8,	219.8,	0.0);	(	438056.1,	3725469.8,	221.0,	221.0,	0.0);
(	438049.3,	3725484.9,	222.5,	225.0,	0.0);	(	438042.4,	3725500.0,	224.2,	225.0,	0.0);
(	438035.6,	3725515.1,	225.4,	225.4,	0.0);	(	438028.7,	3725530.3,	226.2,	226.2,	0.0);
(	438018.5,	3725552.9,	226.3,	226.3,	0.0);	(	438073.1,	3725423.0,	216.6,	219.0,	0.0);
(	438085.8,	3725475.1,	219.9,	219.9,	0.0);	(	438079.1,	3725490.0,	221.2,	221.2,	0.0);
(	438072.3,	3725504.8,	222.6,	223.0,	0.0);	(	438065.6,	3725519.6,	224.1,	224.1,	0.0);
(	438058.9,	3725534.5,	225.3,	225.3,	0.0);	(	438052.2,	3725549.3,	225.8,	225.8,	0.0);
(	438038.7,	3725579.0,	225.1,	225.1,	0.0);	(	438111.3,	3725489.6,	219.1,	219.1,	0.0);
(	438104.4,	3725504.9,	219.8,	225.0,	0.0);	(	438097.4,	3725520.2,	221.2,	225.0,	0.0);
(	438090.5,	3725535.5,	222.9,	225.0,	0.0);	(	438083.6,	3725550.9,	224.1,	224.1,	0.0);
(	438076.6,	3725566.2,	225.3,	226.0,	0.0);	(	438127.4,	3725524.9,	219.2,	219.2,	0.0);
(	438120.5,	3725540.0,	220.1,	226.0,	0.0);	(	438113.7,	3725555.1,	221.5,	221.5,	0.0);
(	438106.9,	3725570.1,	222.5,	222.5,	0.0);	(	438100.1,	3725585.2,	223.0,	223.0,	0.0);
(	438147.1,	3725552.1,	219.4,	219.4,	0.0);	(	438140.4,	3725567.0,	220.3,	220.3,	0.0);
(	438133.7,	3725581.8,	220.3,	220.3,	0.0);	(	438127.0,	3725596.7,	220.3,	220.3,	0.0);
(	438120.2,	3725611.5,	221.1,	221.1,	0.0);	(	438179.0,	3725552.7,	218.4,	218.4,	0.0);
(	438172.1,	3725567.9,	218.6,	218.6,	0.0);	(	438165.2,	3725583.1,	218.9,	218.9,	0.0);
(	438158.3,	3725598.3,	219.1,	219.1,	0.0);	(	438151.4,	3725613.6,	219.9,	219.9,	0.0);
(	438144.5,	3725628.8,	220.5,	220.5,	0.0);	(	438198.7,	3725580.0,	218.3,	218.3,	0.0);
(	438191.9,	3725595.0,	218.9,	218.9,	0.0);	(	438185.1,	3725610.0,	219.1,	219.1,	0.0);
(	438178.3,	3725625.0,	219.4,	219.4,	0.0);	(	438171.5,	3725640.0,	219.6,	219.6,	0.0);
(	438164.7,	3725655.1,	219.8,	219.8,	0.0);	(	438225.3,	3725592.0,	217.8,	217.8,	0.0);
(	438218.6,	3725606.9,	218.0,	218.0,	0.0);	(	438211.9,	3725621.7,	218.3,	218.3,	0.0);
(	438205.1,	3725636.5,	218.5,	218.5,	0.0);	(	438198.4,	3725651.4,	218.7,	218.7,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438191.7,	3725666.2,	218.9,	218.9,	0.0);	(438275.8,	3725480.7,	215.3,	215.3,	0.0);
(438301.7,	3725494.2,	215.6,	215.6,	0.0);	(438236.5,	3725638.2,	218.0,	218.0,	0.0);
(438229.6,	3725653.4,	218.0,	218.0,	0.0);	(438222.7,	3725668.5,	218.0,	218.0,	0.0);
(438215.9,	3725683.7,	218.1,	218.1,	0.0);	(438306.8,	3725478.3,	215.1,	215.1,	0.0);
(438293.8,	3725582.4,	217.0,	217.0,	0.0);	(438287.0,	3725597.4,	217.0,	217.0,	0.0);
(438280.2,	3725612.4,	217.5,	217.5,	0.0);	(438273.5,	3725627.4,	218.0,	218.0,	0.0);
(438266.6,	3725642.4,	218.0,	218.0,	0.0);	(438259.9,	3725657.4,	218.0,	218.0,	0.0);
(438253.1,	3725672.4,	218.0,	218.0,	0.0);	(438246.3,	3725687.4,	218.0,	218.0,	0.0);
(438239.5,	3725702.3,	218.0,	218.0,	0.0);	(438319.2,	3725620.9,	217.9,	217.9,	0.0);
(438312.3,	3725636.0,	218.0,	218.0,	0.0);	(438305.5,	3725651.1,	218.0,	218.0,	0.0);
(438298.7,	3725666.1,	218.0,	218.0,	0.0);	(438291.8,	3725681.2,	218.0,	218.0,	0.0);
(438285.0,	3725696.3,	218.0,	218.0,	0.0);	(438278.2,	3725711.4,	218.0,	218.0,	0.0);
(438271.3,	3725726.5,	218.0,	218.0,	0.0);	(438264.5,	3725741.5,	218.0,	218.0,	0.0);
(438351.2,	3725644.5,	218.8,	218.8,	0.0);	(438344.4,	3725659.7,	219.0,	219.0,	0.0);
(438337.5,	3725674.8,	218.9,	218.9,	0.0);	(438330.6,	3725690.0,	218.7,	218.7,	0.0);
(438323.8,	3725705.1,	218.5,	218.5,	0.0);	(438316.9,	3725720.3,	218.4,	218.4,	0.0);
(438310.0,	3725735.4,	218.7,	218.7,	0.0);	(438303.2,	3725750.6,	218.8,	218.8,	0.0);
(438296.3,	3725765.8,	218.6,	218.6,	0.0);	(438386.7,	3725660.6,	219.6,	219.6,	0.0);
(438379.8,	3725675.8,	219.8,	219.8,	0.0);	(438372.9,	3725691.0,	220.0,	220.0,	0.0);
(438366.0,	3725706.2,	219.9,	219.9,	0.0);	(438359.1,	3725721.5,	219.7,	219.7,	0.0);
(438352.2,	3725736.7,	219.4,	219.4,	0.0);	(438345.3,	3725751.9,	219.2,	219.2,	0.0);
(438338.4,	3725767.1,	219.0,	219.0,	0.0);	(438331.5,	3725782.4,	219.0,	219.0,	0.0);
(438467.2,	3725577.3,	218.5,	218.5,	0.0);	(438411.8,	3725699.6,	220.4,	220.4,	0.0);
(438404.9,	3725714.9,	220.2,	220.2,	0.0);	(438398.0,	3725730.1,	220.0,	220.0,	0.0);
(438391.1,	3725745.4,	220.0,	220.0,	0.0);	(438384.1,	3725760.7,	220.0,	220.0,	0.0);
(438377.2,	3725776.0,	220.0,	220.0,	0.0);	(438370.3,	3725791.3,	220.0,	220.0,	0.0);
(438363.3,	3725806.6,	219.8,	219.8,	0.0);	(438492.5,	3725616.0,	219.7,	219.7,	0.0);
(438443.8,	3725723.4,	221.0,	221.0,	0.0);	(438436.9,	3725738.7,	221.0,	221.0,	0.0);
(438429.9,	3725754.1,	221.0,	221.0,	0.0);	(438423.0,	3725769.4,	220.8,	220.8,	0.0);
(438416.0,	3725784.8,	220.6,	220.6,	0.0);	(438409.1,	3725800.1,	220.3,	220.3,	0.0);
(438402.1,	3725815.4,	220.4,	220.4,	0.0);	(438395.1,	3725830.8,	220.7,	220.7,	0.0);
(438474.4,	3725750.3,	221.6,	221.6,	0.0);	(438467.6,	3725765.3,	221.7,	221.7,	0.0);
(438460.8,	3725780.4,	222.0,	222.0,	0.0);	(437812.9,	3725342.7,	221.4,	221.4,	0.0);
(437869.3,	3725369.3,	224.3,	224.3,	0.0);	(437910.2,	3725367.3,	223.2,	226.0,	0.0);
(437951.0,	3725365.4,	219.8,	226.0,	0.0);	(437966.6,	3725394.0,	220.3,	226.0,	0.0);
(437970.8,	3725368.6,	218.2,	226.0,	0.0);	(438044.6,	3725412.1,	217.3,	218.0,	0.0);
(438047.0,	3725398.5,	215.9,	218.0,	0.0);	(438049.7,	3725381.5,	214.4,	218.0,	0.0);
(438075.2,	3725411.8,	215.5,	215.5,	0.0);	(438078.0,	3725394.9,	214.3,	214.3,	0.0);
(438103.7,	3725422.8,	215.5,	218.0,	0.0);	(438106.2,	3725408.2,	214.3,	214.3,	0.0);
(438108.9,	3725391.3,	213.3,	213.3,	0.0);	(438137.2,	3725404.6,	213.6,	213.6,	0.0);
(438168.1,	3725401.0,	213.5,	213.5,	0.0);	(437833.4,	3725344.4,	222.1,	222.1,	0.0);
(437889.0,	3725368.7,	224.8,	224.8,	0.0);	(438007.4,	3725390.4,	217.2,	224.0,	0.0);
(437917.0,	3725342.6,	219.9,	226.0,	0.0);	(437957.7,	3725345.4,	217.5,	226.0,	0.0);
(437979.3,	3725342.7,	216.1,	226.0,	0.0);	(438013.1,	3725370.0,	215.7,	224.0,	0.0);
(438034.7,	3725367.3,	214.1,	224.0,	0.0);	(438058.6,	3725356.5,	212.4,	212.4,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(438113.9, 3725381.1,	212.8,	212.8,	0.0);	(438142.8, 3725389.4,	213.1,	213.1,	0.0);
(437863.6, 3725276.9,	218.1,	218.1,	0.0);	(437899.2, 3725260.6,	215.2,	215.2,	0.0);
(437918.1, 3725263.3,	214.0,	224.0,	0.0);	(437996.2, 3725295.5,	212.4,	225.0,	0.0);
(438016.2, 3725308.8,	212.2,	225.0,	0.0);	(438017.2, 3725318.0,	212.5,	225.0,	0.0);
(438018.1, 3725327.2,	212.8,	225.0,	0.0);	(438019.1, 3725336.4,	213.3,	225.0,	0.0);
(438032.6, 3725287.7,	211.0,	211.0,	0.0);	(438033.6, 3725296.8,	211.2,	211.2,	0.0);
(438034.6, 3725305.8,	211.5,	211.5,	0.0);	(438035.5, 3725314.9,	211.8,	211.8,	0.0);
(438055.7, 3725329.8,	212.1,	212.1,	0.0);	(438056.7, 3725338.7,	212.2,	212.2,	0.0);
(438083.6, 3725328.4,	211.6,	211.6,	0.0);	(438084.5, 3725337.5,	211.7,	211.7,	0.0);
(438085.5, 3725346.6,	211.8,	211.8,	0.0);	(438086.5, 3725355.7,	212.0,	212.0,	0.0);
(438110.6, 3725319.5,	210.8,	210.8,	0.0);	(438111.6, 3725328.4,	211.1,	211.1,	0.0);
(438113.4, 3725346.2,	211.7,	211.7,	0.0);	(438137.5, 3725308.8,	210.7,	210.7,	0.0);
(438138.4, 3725317.8,	211.0,	211.0,	0.0);	(438139.4, 3725326.9,	211.3,	211.3,	0.0);
(438140.3, 3725335.9,	211.6,	211.6,	0.0);	(438164.3, 3725297.6,	211.1,	211.1,	0.0);
(438165.2, 3725306.8,	211.4,	211.4,	0.0);	(438166.2, 3725316.0,	211.7,	211.7,	0.0);
(438167.2, 3725325.2,	212.0,	212.0,	0.0);	(438173.0, 3725380.3,	212.9,	212.9,	0.0);
(438194.2, 3725316.3,	211.7,	211.7,	0.0);	(438200.0, 3725370.5,	213.2,	213.2,	0.0);
(438200.9, 3725379.6,	213.3,	213.3,	0.0);	(438201.8, 3725388.6,	213.5,	213.5,	0.0);
(438226.8, 3725360.2,	213.1,	213.1,	0.0);	(438227.8, 3725369.3,	213.4,	213.4,	0.0);
(438228.8, 3725378.5,	213.7,	213.7,	0.0);	(438229.7, 3725387.6,	214.0,	214.0,	0.0);
(438254.8, 3725360.0,	213.1,	213.1,	0.0);	(438255.8, 3725369.0,	213.4,	213.4,	0.0);
(438256.7, 3725378.0,	213.7,	213.7,	0.0);	(438257.6, 3725387.0,	214.0,	214.0,	0.0);
(438258.6, 3725396.1,	214.0,	214.0,	0.0);	(438285.5, 3725385.9,	214.0,	214.0,	0.0);
(438286.5, 3725395.0,	214.0,	214.0,	0.0);	(438472.4, 3724891.0,	231.0,	265.0,	0.0);
(438507.7, 3724872.3,	229.7,	268.0,	0.0);	(438503.4, 3724864.1,	231.3,	265.0,	0.0);
(438499.0, 3724855.9,	233.0,	262.0,	0.0);	(438494.7, 3724847.7,	234.9,	250.0,	0.0);
(438534.3, 3724837.2,	230.3,	268.0,	0.0);	(438530.0, 3724829.0,	231.5,	265.0,	0.0);
(438565.3, 3724810.2,	231.1,	268.0,	0.0);	(438160.6, 3724648.2,	244.8,	255.0,	0.0);
(438152.8, 3724642.8,	244.4,	255.0,	0.0);	(438145.0, 3724637.5,	244.5,	255.0,	0.0);
(438137.3, 3724632.2,	244.4,	255.0,	0.0);	(438129.5, 3724626.8,	244.4,	244.4,	0.0);
(438121.8, 3724621.5,	244.2,	244.2,	0.0);	(438114.0, 3724616.2,	244.2,	244.2,	0.0);
(438106.3, 3724610.9,	244.5,	244.5,	0.0);	(438098.5, 3724605.5,	245.0,	245.0,	0.0);
(438189.4, 3724622.1,	239.2,	255.0,	0.0);	(438195.6, 3724629.1,	240.1,	255.0,	0.0);
(438201.8, 3724636.0,	240.8,	255.0,	0.0);	(438207.9, 3724642.9,	241.2,	255.0,	0.0);
(438214.1, 3724649.8,	241.6,	255.0,	0.0);	(438220.3, 3724656.8,	241.7,	255.0,	0.0);
(438226.4, 3724663.7,	242.0,	255.0,	0.0);	(438232.6, 3724670.6,	242.9,	255.0,	0.0);
(438238.8, 3724677.5,	243.5,	255.0,	0.0);	(438245.0, 3724684.4,	243.2,	255.0,	0.0);
(438251.1, 3724691.4,	242.4,	255.0,	0.0);	(438257.3, 3724698.3,	242.3,	255.0,	0.0);
(438263.5, 3724705.2,	242.1,	255.0,	0.0);	(438269.7, 3724712.1,	241.9,	255.0,	0.0);
(438275.8, 3724719.1,	241.8,	255.0,	0.0);	(438282.0, 3724726.0,	241.8,	255.0,	0.0);
(438288.2, 3724732.9,	241.9,	255.0,	0.0);	(438343.7, 3724795.2,	245.7,	252.0,	0.0);
(438349.9, 3724802.1,	246.5,	250.0,	0.0);	(438356.1, 3724809.1,	246.9,	250.0,	0.0);
(438183.2, 3724615.2,	238.4,	255.0,	0.0);	(438175.5, 3724609.9,	238.1,	255.0,	0.0);
(438167.7, 3724604.5,	238.1,	255.0,	0.0);	(438160.0, 3724599.2,	238.5,	255.0,	0.0);
(438152.2, 3724593.9,	239.1,	255.0,	0.0);	(438144.5, 3724588.6,	239.6,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438136.7,	3724583.2,	240.0,	255.0,	0.0);	(438128.9,	3724577.9,	240.2,	250.0,	0.0);
(	438121.2,	3724572.6,	240.6,	250.0,	0.0);	(438212.1,	3724589.2,	233.6,	255.0,	0.0);
(	438218.2,	3724596.1,	234.1,	255.0,	0.0);	(438224.4,	3724603.0,	234.4,	255.0,	0.0);
(	438230.6,	3724610.0,	234.8,	255.0,	0.0);	(438236.8,	3724616.9,	235.3,	255.0,	0.0);
(	438243.0,	3724623.8,	235.8,	255.0,	0.0);	(438249.2,	3724630.8,	236.3,	255.0,	0.0);
(	438255.3,	3724637.7,	236.8,	255.0,	0.0);	(438261.5,	3724644.6,	237.1,	255.0,	0.0);
(	438267.7,	3724651.6,	237.3,	255.0,	0.0);	(438273.9,	3724658.5,	237.6,	255.0,	0.0);
(	438280.1,	3724665.4,	237.9,	255.0,	0.0);	(438286.2,	3724672.4,	237.8,	255.0,	0.0);
(	438292.4,	3724679.3,	237.8,	255.0,	0.0);	(438298.6,	3724686.2,	237.9,	255.0,	0.0);
(	438317.2,	3724707.0,	238.1,	255.0,	0.0);	(438366.6,	3724762.5,	240.2,	252.0,	0.0);
(	438372.8,	3724769.4,	241.0,	252.0,	0.0);	(438379.0,	3724776.4,	241.6,	252.0,	0.0);
(	438385.2,	3724783.3,	242.1,	252.0,	0.0);	(438391.3,	3724790.2,	242.8,	250.0,	0.0);
(	438397.5,	3724797.2,	244.4,	250.0,	0.0);	(438403.7,	3724804.1,	246.0,	250.0,	0.0);
(	438409.9,	3724811.0,	247.5,	250.0,	0.0);	(438416.1,	3724818.0,	248.3,	250.0,	0.0);
(	438428.4,	3724831.8,	246.6,	250.0,	0.0);	(438205.9,	3724582.2,	233.1,	255.0,	0.0);
(	438198.1,	3724576.9,	232.8,	255.0,	0.0);	(438190.4,	3724571.6,	232.7,	255.0,	0.0);
(	438182.6,	3724566.3,	233.2,	255.0,	0.0);	(438174.9,	3724560.9,	233.7,	255.0,	0.0);
(	438167.1,	3724555.6,	234.1,	255.0,	0.0);	(438159.4,	3724550.3,	234.5,	255.0,	0.0);
(	438151.6,	3724544.9,	235.0,	255.0,	0.0);	(438143.8,	3724539.6,	235.7,	255.0,	0.0);
(	438234.7,	3724556.2,	228.7,	255.0,	0.0);	(438240.9,	3724563.2,	229.0,	255.0,	0.0);
(	438247.1,	3724570.1,	229.4,	255.0,	0.0);	(438253.3,	3724577.0,	229.7,	255.0,	0.0);
(	438259.5,	3724584.0,	230.0,	255.0,	0.0);	(438265.7,	3724590.9,	230.4,	255.0,	0.0);
(	438271.9,	3724597.9,	231.0,	255.0,	0.0);	(438278.1,	3724604.8,	231.8,	255.0,	0.0);
(	438284.2,	3724611.8,	232.1,	255.0,	0.0);	(438290.4,	3724618.7,	232.3,	255.0,	0.0);
(	438296.6,	3724625.6,	232.6,	255.0,	0.0);	(438302.8,	3724632.6,	233.0,	255.0,	0.0);
(	438309.0,	3724639.5,	233.3,	255.0,	0.0);	(438315.2,	3724646.5,	233.2,	255.0,	0.0);
(	438321.4,	3724653.4,	233.2,	255.0,	0.0);	(438327.6,	3724660.3,	233.3,	255.0,	0.0);
(	438333.8,	3724667.3,	233.5,	255.0,	0.0);	(438340.0,	3724674.2,	233.8,	255.0,	0.0);
(	438401.8,	3724743.6,	236.7,	252.0,	0.0);	(438408.0,	3724750.6,	237.2,	252.0,	0.0);
(	438414.2,	3724757.5,	237.6,	252.0,	0.0);	(438420.4,	3724764.4,	238.0,	252.0,	0.0);
(	438426.6,	3724771.4,	238.2,	250.0,	0.0);	(438432.8,	3724778.3,	238.5,	250.0,	0.0);
(	438439.0,	3724785.3,	238.9,	250.0,	0.0);	(438445.2,	3724792.2,	240.1,	250.0,	0.0);
(	438228.5,	3724549.3,	228.5,	255.0,	0.0);	(438220.8,	3724544.0,	228.7,	255.0,	0.0);
(	438213.0,	3724538.6,	228.9,	255.0,	0.0);	(438205.3,	3724533.3,	229.1,	255.0,	0.0);
(	438197.5,	3724528.0,	229.3,	255.0,	0.0);	(438189.8,	3724522.6,	229.4,	255.0,	0.0);
(	438182.0,	3724517.3,	229.8,	255.0,	0.0);	(438174.3,	3724512.0,	230.3,	255.0,	0.0);
(	438166.5,	3724506.6,	230.7,	255.0,	0.0);	(438257.4,	3724523.3,	222.8,	269.0,	0.0);
(	438263.6,	3724530.2,	223.0,	269.0,	0.0);	(438269.8,	3724537.2,	223.4,	269.0,	0.0);
(	438276.0,	3724544.1,	223.9,	269.0,	0.0);	(438282.2,	3724551.1,	224.3,	269.0,	0.0);
(	438288.4,	3724558.0,	224.6,	263.0,	0.0);	(438294.6,	3724565.0,	224.9,	263.0,	0.0);
(	438300.8,	3724571.9,	225.2,	262.0,	0.0);	(438307.0,	3724578.9,	225.6,	262.0,	0.0);
(	438313.2,	3724585.8,	226.0,	262.0,	0.0);	(438319.4,	3724592.8,	226.2,	262.0,	0.0);
(	438325.5,	3724599.7,	226.2,	262.0,	0.0);	(438331.8,	3724606.6,	226.1,	262.0,	0.0);
(	438337.9,	3724613.6,	226.5,	262.0,	0.0);	(438344.1,	3724620.5,	227.0,	262.0,	0.0);
(	438350.3,	3724627.5,	227.4,	262.0,	0.0);	(438356.5,	3724634.4,	227.6,	262.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438418.5,	3724703.9,	232.2,	262.0,	0.0);	(438430.9,	3724717.8,	233.1,	255.0,	0.0);
(438437.1,	3724724.8,	233.6,	252.0,	0.0);	(438443.3,	3724731.7,	234.1,	252.0,	0.0);
(438449.5,	3724738.7,	234.6,	250.0,	0.0);	(438455.7,	3724745.6,	235.1,	250.0,	0.0);
(438461.8,	3724752.6,	235.5,	250.0,	0.0);	(438468.0,	3724759.5,	235.8,	250.0,	0.0);
(438474.2,	3724766.4,	236.1,	250.0,	0.0);	(438480.4,	3724773.4,	236.3,	250.0,	0.0);
(438486.6,	3724780.3,	236.6,	250.0,	0.0);	(438492.8,	3724787.3,	236.7,	250.0,	0.0);
(438499.0,	3724794.2,	236.2,	250.0,	0.0);	(438505.2,	3724801.2,	235.7,	250.0,	0.0);
(438511.4,	3724808.1,	235.0,	250.0,	0.0);	(438517.6,	3724815.1,	234.3,	262.0,	0.0);
(438523.8,	3724822.0,	232.9,	262.0,	0.0);	(438251.2,	3724516.3,	222.8,	269.0,	0.0);
(438243.5,	3724511.0,	223.2,	269.0,	0.0);	(438235.7,	3724505.7,	223.6,	269.0,	0.0);
(438227.9,	3724500.3,	224.2,	269.0,	0.0);	(438220.2,	3724495.0,	224.8,	269.0,	0.0);
(438212.4,	3724489.7,	225.1,	269.0,	0.0);	(438204.7,	3724484.3,	225.3,	269.0,	0.0);
(438196.9,	3724479.0,	225.5,	269.0,	0.0);	(438189.2,	3724473.7,	225.8,	269.0,	0.0);
(438466.1,	3724699.0,	230.1,	262.0,	0.0);	(438472.3,	3724705.9,	230.6,	262.0,	0.0);
(438478.5,	3724712.9,	231.1,	262.0,	0.0);	(438484.7,	3724719.8,	231.5,	262.0,	0.0);
(438490.9,	3724726.8,	232.0,	262.0,	0.0);	(438497.1,	3724733.7,	231.9,	262.0,	0.0);
(438503.3,	3724740.7,	231.8,	262.0,	0.0);	(438509.5,	3724747.6,	231.6,	262.0,	0.0);
(438515.7,	3724754.6,	231.3,	262.0,	0.0);	(438521.9,	3724761.5,	231.3,	262.0,	0.0);
(438528.1,	3724768.5,	231.3,	262.0,	0.0);	(438534.3,	3724775.5,	231.2,	262.0,	0.0);
(438540.5,	3724782.4,	230.8,	264.0,	0.0);	(438546.7,	3724789.4,	230.3,	267.0,	0.0);
(438552.9,	3724796.3,	230.2,	268.0,	0.0);	(438559.1,	3724803.3,	230.6,	268.0,	0.0);
(438211.8,	3724440.7,	219.4,	269.0,	0.0);	(438302.7,	3724457.4,	222.7,	269.0,	0.0);
(438308.9,	3724464.3,	223.1,	269.0,	0.0);	(438315.1,	3724471.3,	223.3,	269.0,	0.0);
(438321.3,	3724478.2,	223.6,	269.0,	0.0);	(438327.6,	3724485.2,	224.1,	269.0,	0.0);
(438333.8,	3724492.2,	224.6,	269.0,	0.0);	(438340.0,	3724499.1,	225.2,	269.0,	0.0);
(438346.2,	3724506.1,	225.3,	269.0,	0.0);	(438352.4,	3724513.0,	225.5,	269.0,	0.0);
(438358.6,	3724520.0,	225.7,	269.0,	0.0);	(438364.8,	3724527.0,	226.1,	269.0,	0.0);
(438371.0,	3724533.9,	226.5,	269.0,	0.0);	(438377.2,	3724540.9,	226.7,	269.0,	0.0);
(438383.4,	3724547.9,	226.8,	263.0,	0.0);	(438389.6,	3724554.8,	226.8,	263.0,	0.0);
(438395.8,	3724561.8,	226.7,	263.0,	0.0);	(438402.0,	3724568.7,	226.7,	263.0,	0.0);
(438408.2,	3724575.7,	226.9,	263.0,	0.0);	(438414.5,	3724582.7,	226.8,	262.0,	0.0);
(438420.7,	3724589.6,	226.6,	262.0,	0.0);	(438426.9,	3724596.6,	226.1,	262.0,	0.0);
(438433.1,	3724603.5,	225.8,	262.0,	0.0);	(438439.3,	3724610.5,	226.0,	262.0,	0.0);
(438445.5,	3724617.5,	226.1,	262.0,	0.0);	(438451.7,	3724624.4,	226.0,	262.0,	0.0);
(438296.5,	3724450.4,	222.2,	269.0,	0.0);	(438288.8,	3724445.1,	221.3,	269.0,	0.0);
(438281.0,	3724439.7,	220.3,	269.0,	0.0);	(438273.3,	3724434.4,	219.9,	269.0,	0.0);
(438325.4,	3724424.4,	228.2,	269.0,	0.0);	(438331.6,	3724431.4,	228.6,	269.0,	0.0);
(438337.8,	3724438.3,	229.0,	269.0,	0.0);	(438344.0,	3724445.3,	229.2,	269.0,	0.0);
(438350.2,	3724452.3,	229.4,	269.0,	0.0);	(438356.5,	3724459.2,	229.5,	269.0,	0.0);
(438362.7,	3724466.2,	229.6,	269.0,	0.0);	(438368.9,	3724473.2,	229.8,	269.0,	0.0);
(438375.1,	3724480.1,	230.0,	269.0,	0.0);	(438381.3,	3724487.1,	230.1,	269.0,	0.0);
(438387.5,	3724494.1,	230.3,	269.0,	0.0);	(438393.7,	3724501.0,	230.4,	269.0,	0.0);
(438399.9,	3724508.0,	230.6,	269.0,	0.0);	(438406.2,	3724515.0,	231.0,	263.0,	0.0);
(438412.4,	3724521.9,	231.2,	263.0,	0.0);	(438418.6,	3724528.9,	231.4,	263.0,	0.0);
(438424.8,	3724535.9,	231.5,	262.0,	0.0);	(438431.0,	3724542.8,	231.6,	262.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
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(	438437.2,	3724549.8,	232.0,	262.0,	0.0);	(	438443.4,	3724556.8,	232.3,	262.0,	0.0);
(	438449.6,	3724563.7,	232.4,	262.0,	0.0);	(	438455.8,	3724570.7,	232.3,	262.0,	0.0);
(	438462.1,	3724577.7,	232.2,	262.0,	0.0);	(	438468.3,	3724584.6,	232.4,	262.0,	0.0);
(	438474.5,	3724591.6,	232.7,	262.0,	0.0);	(	438480.7,	3724598.6,	233.1,	262.0,	0.0);
(	438486.9,	3724605.5,	233.6,	262.0,	0.0);	(	438493.1,	3724612.5,	233.7,	262.0,	0.0);
(	438319.2,	3724417.4,	227.8,	269.0,	0.0);	(	438311.4,	3724412.1,	227.2,	269.0,	0.0);
(	438303.7,	3724406.8,	226.4,	269.0,	0.0);	(	438295.9,	3724401.4,	225.7,	269.0,	0.0);
(	438288.2,	3724396.1,	225.1,	269.0,	0.0);	(	438280.4,	3724390.8,	224.6,	269.0,	0.0);
(	438272.7,	3724385.5,	224.0,	269.0,	0.0);	(	438264.9,	3724380.1,	223.4,	269.0,	0.0);
(	438257.1,	3724374.8,	222.9,	269.0,	0.0);	(	438089.2,	3724598.6,	245.3,	249.0,	0.0);
(	438112.5,	3724566.2,	241.2,	250.0,	0.0);	(	438098.2,	3724555.9,	242.7,	250.0,	0.0);
(	438083.9,	3724545.6,	246.1,	250.0,	0.0);	(	438135.9,	3724533.7,	236.3,	255.0,	0.0);
(	438121.6,	3724523.4,	237.6,	250.0,	0.0);	(	438107.3,	3724513.1,	238.7,	250.0,	0.0);
(	438159.2,	3724501.2,	231.1,	255.0,	0.0);	(	438144.9,	3724490.9,	231.9,	255.0,	0.0);
(	438130.6,	3724480.6,	232.4,	250.0,	0.0);	(	438175.4,	3724463.6,	226.2,	269.0,	0.0);
(	438161.1,	3724453.3,	226.6,	269.0,	0.0);	(	438146.8,	3724443.0,	227.2,	269.0,	0.0);
(	438198.7,	3724431.1,	219.7,	269.0,	0.0);	(	438184.4,	3724420.8,	220.3,	269.0,	0.0);
(	438170.1,	3724410.5,	221.2,	269.0,	0.0);	(	438245.4,	3724366.1,	222.4,	269.0,	0.0);
(	438231.1,	3724355.8,	221.6,	269.0,	0.0);	(	438216.8,	3724345.5,	220.8,	269.0,	0.0);
(	437513.6,	3724656.1,	194.8,	250.0,	0.0);	(	437530.2,	3724649.3,	195.5,	250.0,	0.0);
(	437546.7,	3724642.4,	197.6,	250.0,	0.0);	(	437563.3,	3724635.6,	200.1,	250.0,	0.0);
(	437647.6,	3724631.1,	227.4,	232.0,	0.0);	(	437664.8,	3724636.1,	226.5,	232.0,	0.0);
(	437456.8,	3724648.9,	193.6,	233.0,	0.0);	(	437473.0,	3724642.2,	194.0,	250.0,	0.0);
(	437489.3,	3724635.5,	194.0,	250.0,	0.0);	(	437505.5,	3724628.8,	194.2,	250.0,	0.0);
(	437521.8,	3724622.1,	194.7,	250.0,	0.0);	(	437538.0,	3724615.4,	195.9,	250.0,	0.0);
(	437554.3,	3724608.7,	197.5,	250.0,	0.0);	(	437611.5,	3724591.0,	222.1,	232.0,	0.0);
(	437628.4,	3724596.0,	226.5,	232.0,	0.0);	(	437645.3,	3724600.9,	230.7,	232.0,	0.0);
(	437662.1,	3724605.9,	229.5,	232.0,	0.0);	(	437679.0,	3724610.8,	226.1,	232.0,	0.0);
(	437695.9,	3724615.7,	224.9,	232.0,	0.0);	(	437712.8,	3724620.7,	224.0,	232.0,	0.0);
(	437388.9,	3724646.3,	191.3,	233.0,	0.0);	(	437405.2,	3724639.6,	191.9,	233.0,	0.0);
(	437421.6,	3724632.8,	192.4,	233.0,	0.0);	(	437438.0,	3724626.1,	192.6,	233.0,	0.0);
(	437454.3,	3724619.3,	192.9,	250.0,	0.0);	(	437470.6,	3724612.6,	193.2,	250.0,	0.0);
(	437487.0,	3724605.8,	193.6,	250.0,	0.0);	(	437503.3,	3724599.1,	194.2,	250.0,	0.0);
(	437519.7,	3724592.3,	195.3,	250.0,	0.0);	(	437536.1,	3724585.6,	196.4,	250.0,	0.0);
(	437585.1,	3724565.4,	220.5,	232.0,	0.0);	(	437610.0,	3724561.1,	227.5,	232.0,	0.0);
(	437626.9,	3724566.1,	228.0,	232.0,	0.0);	(	437643.9,	3724571.0,	229.7,	231.0,	0.0);
(	437660.9,	3724576.0,	228.4,	232.0,	0.0);	(	437677.9,	3724581.0,	224.7,	232.0,	0.0);
(	437694.8,	3724585.9,	222.8,	232.0,	0.0);	(	437711.8,	3724590.9,	221.3,	232.0,	0.0);
(	437728.8,	3724595.9,	219.9,	250.0,	0.0);	(	437745.8,	3724600.8,	218.2,	250.0,	0.0);
(	437762.7,	3724605.8,	216.7,	250.0,	0.0);	(	437779.7,	3724610.8,	215.1,	250.0,	0.0);
(	437796.7,	3724615.8,	213.1,	250.0,	0.0);	(	437813.7,	3724620.7,	210.9,	255.0,	0.0);
(	437362.2,	3724616.5,	190.4,	233.0,	0.0);	(	437378.6,	3724609.8,	191.0,	233.0,	0.0);
(	437394.9,	3724603.0,	191.4,	233.0,	0.0);	(	437411.3,	3724596.3,	191.7,	233.0,	0.0);
(	437427.6,	3724589.5,	191.8,	233.0,	0.0);	(	437444.0,	3724582.8,	192.2,	250.0,	0.0);
(	437460.3,	3724576.0,	192.7,	250.0,	0.0);	(	437476.7,	3724569.3,	193.5,	250.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437493.0,	3724562.5,	194.6,	250.0,	0.0);	(437509.4,	3724555.8,	195.5,	250.0,	0.0);
(437558.5,	3724535.5,	211.2,	233.0,	0.0);	(437574.8,	3724528.8,	222.1,	232.0,	0.0);
(437591.2,	3724522.0,	231.0,	231.0,	0.0);	(437607.8,	3724521.1,	230.6,	230.6,	0.0);
(437624.8,	3724526.1,	230.1,	230.1,	0.0);	(437641.8,	3724531.1,	228.4,	232.0,	0.0);
(437658.8,	3724536.1,	226.0,	232.0,	0.0);	(437675.7,	3724541.0,	223.3,	232.0,	0.0);
(437692.7,	3724546.0,	220.8,	232.0,	0.0);	(437709.7,	3724551.0,	218.3,	250.0,	0.0);
(437726.7,	3724555.9,	217.9,	250.0,	0.0);	(437743.6,	3724560.9,	217.1,	250.0,	0.0);
(437760.6,	3724565.9,	215.8,	250.0,	0.0);	(437777.6,	3724570.8,	215.2,	250.0,	0.0);
(437794.6,	3724575.8,	215.2,	250.0,	0.0);	(437811.5,	3724580.8,	213.9,	250.0,	0.0);
(437828.5,	3724585.8,	212.4,	255.0,	0.0);	(437335.6,	3724586.7,	189.7,	238.0,	0.0);
(437351.9,	3724579.9,	190.0,	238.0,	0.0);	(437368.3,	3724573.2,	190.0,	238.0,	0.0);
(437384.6,	3724566.4,	190.2,	238.0,	0.0);	(437401.0,	3724559.7,	190.7,	238.0,	0.0);
(437417.3,	3724552.9,	191.5,	238.0,	0.0);	(437433.7,	3724546.2,	192.6,	245.0,	0.0);
(437450.0,	3724539.5,	193.3,	250.0,	0.0);	(437466.4,	3724532.7,	193.5,	250.0,	0.0);
(437482.7,	3724526.0,	194.2,	250.0,	0.0);	(437580.8,	3724485.5,	221.2,	232.0,	0.0);
(437605.7,	3724481.2,	225.1,	232.0,	0.0);	(437622.7,	3724486.2,	225.8,	232.0,	0.0);
(437639.6,	3724491.1,	225.2,	232.0,	0.0);	(437656.6,	3724496.1,	223.8,	232.0,	0.0);
(437673.6,	3724501.1,	221.1,	232.0,	0.0);	(437690.6,	3724506.1,	218.5,	245.0,	0.0);
(437707.5,	3724511.0,	216.0,	250.0,	0.0);	(437724.5,	3724516.0,	214.5,	250.0,	0.0);
(437741.5,	3724521.0,	213.7,	250.0,	0.0);	(437758.5,	3724525.9,	213.9,	250.0,	0.0);
(437775.5,	3724530.9,	213.7,	250.0,	0.0);	(437210.8,	3724597.4,	183.6,	238.0,	0.0);
(437227.2,	3724590.6,	184.4,	238.0,	0.0);	(437243.5,	3724583.9,	185.7,	238.0,	0.0);
(437259.9,	3724577.1,	187.0,	238.0,	0.0);	(437276.2,	3724570.4,	187.5,	238.0,	0.0);
(437292.6,	3724563.6,	188.1,	238.0,	0.0);	(437308.9,	3724556.9,	188.2,	238.0,	0.0);
(437325.3,	3724550.1,	188.3,	238.0,	0.0);	(437341.6,	3724543.4,	188.7,	238.0,	0.0);
(437358.0,	3724536.6,	189.0,	238.0,	0.0);	(437374.3,	3724529.9,	189.3,	238.0,	0.0);
(437390.7,	3724523.1,	189.6,	244.0,	0.0);	(437407.0,	3724516.4,	189.9,	245.0,	0.0);
(437423.4,	3724509.6,	191.4,	250.0,	0.0);	(437439.7,	3724502.9,	193.4,	245.0,	0.0);
(437570.5,	3724448.9,	222.0,	233.0,	0.0);	(437586.9,	3724442.2,	224.3,	231.0,	0.0);
(437603.6,	3724441.3,	223.3,	231.0,	0.0);	(437620.5,	3724446.2,	221.9,	232.0,	0.0);
(437637.5,	3724451.2,	220.7,	232.0,	0.0);	(437654.5,	3724456.2,	219.5,	232.0,	0.0);
(437671.5,	3724461.1,	218.2,	244.0,	0.0);	(437688.4,	3724466.1,	216.4,	250.0,	0.0);
(437705.4,	3724471.1,	214.1,	250.0,	0.0);	(437722.4,	3724476.1,	213.5,	250.0,	0.0);
(437739.4,	3724481.0,	213.2,	250.0,	0.0);	(437841.2,	3724510.8,	221.1,	250.0,	0.0);
(437858.2,	3724515.8,	221.9,	250.0,	0.0);	(437200.5,	3724560.8,	183.0,	238.0,	0.0);
(437216.8,	3724554.0,	183.6,	238.0,	0.0);	(437233.2,	3724547.3,	184.2,	238.0,	0.0);
(437249.5,	3724540.5,	185.3,	238.0,	0.0);	(437265.9,	3724533.8,	186.3,	238.0,	0.0);
(437282.3,	3724527.0,	187.0,	238.0,	0.0);	(437298.6,	3724520.3,	187.4,	238.0,	0.0);
(437315.0,	3724513.5,	187.8,	238.0,	0.0);	(437331.3,	3724506.8,	187.8,	238.0,	0.0);
(437347.7,	3724500.1,	188.0,	238.0,	0.0);	(437364.0,	3724493.3,	188.1,	238.0,	0.0);
(437380.4,	3724486.6,	188.0,	244.0,	0.0);	(437396.7,	3724479.8,	188.5,	250.0,	0.0);
(437413.1,	3724473.1,	189.4,	250.0,	0.0);	(437511.2,	3724432.6,	223.0,	233.0,	0.0);
(437527.5,	3724425.8,	226.8,	233.0,	0.0);	(437543.9,	3724419.1,	227.6,	231.0,	0.0);
(437560.2,	3724412.3,	228.2,	231.0,	0.0);	(437576.6,	3724405.6,	226.9,	231.0,	0.0);
(437601.4,	3724401.3,	223.5,	233.0,	0.0);	(437618.4,	3724406.3,	221.5,	233.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437635.4,	3724411.3,	219.9,	233.0,	0.0);	(437652.4,	3724416.2,	218.5,	233.0,	0.0);
(437669.3,	3724421.2,	217.2,	244.0,	0.0);	(437686.3,	3724426.2,	215.6,	250.0,	0.0);
(437703.3,	3724431.1,	214.3,	250.0,	0.0);	(437805.1,	3724461.0,	221.2,	250.0,	0.0);
(437822.1,	3724465.9,	222.2,	250.0,	0.0);	(437839.1,	3724470.9,	223.1,	250.0,	0.0);
(437856.1,	3724475.9,	224.1,	250.0,	0.0);	(437873.1,	3724480.8,	227.0,	250.0,	0.0);
(437890.0,	3724485.8,	230.1,	250.0,	0.0);	(438042.8,	3724530.5,	247.2,	249.0,	0.0);
(438059.8,	3724535.5,	247.9,	250.0,	0.0);	(437206.5,	3724517.5,	184.0,	238.0,	0.0);
(437222.9,	3724510.7,	184.1,	238.0,	0.0);	(437239.2,	3724504.0,	184.9,	238.0,	0.0);
(437255.6,	3724497.2,	185.8,	238.0,	0.0);	(437272.0,	3724490.5,	186.1,	238.0,	0.0);
(437288.3,	3724483.7,	186.0,	238.0,	0.0);	(437304.6,	3724477.0,	186.5,	238.0,	0.0);
(437321.0,	3724470.2,	187.0,	238.0,	0.0);	(437337.4,	3724463.5,	187.2,	238.0,	0.0);
(437353.7,	3724456.7,	187.2,	241.0,	0.0);	(437370.1,	3724450.0,	187.8,	244.0,	0.0);
(437386.4,	3724443.2,	188.1,	245.0,	0.0);	(437484.5,	3724402.8,	221.1,	233.0,	0.0);
(437500.9,	3724396.0,	227.2,	233.0,	0.0);	(437517.2,	3724389.3,	229.7,	233.0,	0.0);
(437533.6,	3724382.5,	231.7,	231.7,	0.0);	(437549.9,	3724375.8,	231.0,	231.0,	0.0);
(437566.3,	3724369.0,	229.0,	233.0,	0.0);	(437582.6,	3724362.3,	226.1,	233.0,	0.0);
(437599.3,	3724361.4,	223.7,	233.0,	0.0);	(437616.3,	3724366.3,	221.4,	233.0,	0.0);
(437633.2,	3724371.3,	220.0,	233.0,	0.0);	(437650.2,	3724376.3,	218.7,	241.0,	0.0);
(437667.2,	3724381.3,	218.2,	244.0,	0.0);	(437684.2,	3724386.2,	218.0,	245.0,	0.0);
(437769.1,	3724411.1,	221.5,	250.0,	0.0);	(437786.0,	3724416.0,	222.6,	250.0,	0.0);
(437803.0,	3724421.0,	223.6,	250.0,	0.0);	(437820.0,	3724426.0,	224.4,	250.0,	0.0);
(437837.0,	3724431.0,	225.6,	250.0,	0.0);	(437854.0,	3724435.9,	227.1,	250.0,	0.0);
(437870.9,	3724440.9,	229.7,	250.0,	0.0);	(437887.9,	3724445.9,	233.3,	250.0,	0.0);
(437904.9,	3724450.8,	236.0,	250.0,	0.0);	(437921.9,	3724455.8,	238.6,	250.0,	0.0);
(437989.8,	3724475.7,	244.9,	250.0,	0.0);	(438006.7,	3724480.6,	244.6,	250.0,	0.0);
(438023.7,	3724485.6,	243.5,	250.0,	0.0);	(438040.7,	3724490.6,	243.0,	250.0,	0.0);
(438057.7,	3724495.6,	243.2,	250.0,	0.0);	(438074.6,	3724500.5,	242.6,	250.0,	0.0);
(438091.6,	3724505.5,	240.4,	250.0,	0.0);	(437196.2,	3724480.9,	183.9,	238.0,	0.0);
(437212.6,	3724474.1,	184.4,	238.0,	0.0);	(437228.9,	3724467.4,	185.0,	238.0,	0.0);
(437245.3,	3724460.7,	185.5,	238.0,	0.0);	(437261.6,	3724453.9,	186.0,	238.0,	0.0);
(437278.0,	3724447.2,	186.0,	238.0,	0.0);	(437294.3,	3724440.4,	186.2,	238.0,	0.0);
(437310.7,	3724433.7,	186.7,	238.0,	0.0);	(437327.0,	3724426.9,	187.2,	238.0,	0.0);
(437343.4,	3724420.2,	187.8,	241.0,	0.0);	(437359.8,	3724413.4,	188.0,	242.0,	0.0);
(437474.2,	3724366.2,	217.8,	233.0,	0.0);	(437490.6,	3724359.4,	226.0,	233.0,	0.0);
(437506.9,	3724352.7,	230.9,	233.0,	0.0);	(437523.3,	3724345.9,	232.7,	232.7,	0.0);
(437539.6,	3724339.2,	231.7,	233.0,	0.0);	(437556.0,	3724332.4,	229.5,	233.0,	0.0);
(437572.3,	3724325.7,	227.2,	233.0,	0.0);	(437597.2,	3724321.4,	223.5,	233.0,	0.0);
(437614.1,	3724326.4,	221.4,	233.0,	0.0);	(437631.1,	3724331.4,	219.8,	233.0,	0.0);
(437648.1,	3724336.3,	218.2,	241.0,	0.0);	(437665.1,	3724341.3,	218.1,	242.0,	0.0);
(437733.0,	3724361.2,	219.9,	245.0,	0.0);	(437750.0,	3724366.2,	221.0,	245.0,	0.0);
(437766.9,	3724371.1,	222.6,	245.0,	0.0);	(437783.9,	3724376.1,	224.4,	245.0,	0.0);
(437800.9,	3724381.1,	226.2,	245.0,	0.0);	(437817.9,	3724386.0,	228.5,	245.0,	0.0);
(437834.8,	3724391.0,	230.6,	245.0,	0.0);	(437851.8,	3724396.0,	232.7,	245.0,	0.0);
(437868.8,	3724400.9,	234.8,	245.0,	0.0);	(437885.8,	3724405.9,	237.0,	245.0,	0.0);
(437902.8,	3724410.9,	239.4,	245.0,	0.0);	(437953.7,	3724425.8,	244.6,	245.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437970.7,	3724430.8,	243.1,	243.1,	0.0);	(437987.6,	3724435.7,	241.7,	244.0,	0.0);
(438004.6,	3724440.7,	240.5,	250.0,	0.0);	(438021.6,	3724445.7,	239.6,	250.0,	0.0);
(438038.6,	3724450.6,	238.6,	250.0,	0.0);	(438055.5,	3724455.6,	237.9,	250.0,	0.0);
(438072.5,	3724460.6,	237.3,	250.0,	0.0);	(438089.5,	3724465.6,	236.1,	250.0,	0.0);
(438106.5,	3724470.5,	234.5,	250.0,	0.0);	(437185.9,	3724444.3,	183.7,	238.0,	0.0);
(437202.3,	3724437.6,	184.1,	238.0,	0.0);	(437218.6,	3724430.8,	184.6,	238.0,	0.0);
(437235.0,	3724424.1,	185.1,	238.0,	0.0);	(437251.3,	3724417.3,	185.4,	238.0,	0.0);
(437267.7,	3724410.6,	185.6,	238.0,	0.0);	(437284.0,	3724403.8,	185.9,	238.0,	0.0);
(437300.4,	3724397.1,	186.4,	238.0,	0.0);	(437316.7,	3724390.3,	187.1,	238.0,	0.0);
(437333.1,	3724383.6,	187.9,	240.0,	0.0);	(437480.3,	3724322.9,	229.1,	233.0,	0.0);
(437496.6,	3724316.1,	231.8,	231.8,	0.0);	(437513.0,	3724309.4,	232.1,	232.1,	0.0);
(437529.3,	3724302.6,	231.9,	231.9,	0.0);	(437545.7,	3724295.9,	229.9,	232.0,	0.0);
(437562.0,	3724289.1,	227.5,	232.0,	0.0);	(437578.4,	3724282.4,	224.8,	233.0,	0.0);
(437595.0,	3724281.5,	222.5,	233.0,	0.0);	(437612.0,	3724286.5,	220.4,	233.0,	0.0);
(437629.0,	3724291.4,	219.0,	240.0,	0.0);	(437713.9,	3724316.3,	219.4,	245.0,	0.0);
(437730.8,	3724321.2,	220.8,	245.0,	0.0);	(437747.8,	3724326.2,	222.4,	245.0,	0.0);
(437764.8,	3724331.2,	224.5,	245.0,	0.0);	(437781.8,	3724336.2,	227.0,	245.0,	0.0);
(437798.8,	3724341.1,	229.4,	244.0,	0.0);	(437815.7,	3724346.1,	232.2,	244.0,	0.0);
(437832.7,	3724351.1,	235.0,	242.0,	0.0);	(437849.7,	3724356.0,	237.1,	242.0,	0.0);
(437866.7,	3724361.0,	239.0,	239.0,	0.0);	(437883.6,	3724366.0,	240.4,	240.4,	0.0);
(437934.6,	3724380.9,	243.5,	243.5,	0.0);	(437951.5,	3724385.9,	243.7,	245.0,	0.0);
(437968.5,	3724390.8,	241.4,	245.0,	0.0);	(437985.5,	3724395.8,	239.2,	245.0,	0.0);
(438002.5,	3724400.8,	237.3,	250.0,	0.0);	(438019.5,	3724405.7,	235.5,	250.0,	0.0);
(438036.4,	3724410.7,	234.3,	250.0,	0.0);	(438053.4,	3724415.7,	233.7,	250.0,	0.0);
(438070.4,	3724420.6,	233.2,	250.0,	0.0);	(438087.4,	3724425.6,	232.2,	250.0,	0.0);
(438104.3,	3724430.6,	231.0,	250.0,	0.0);	(438121.3,	3724435.6,	229.6,	250.0,	0.0);
(437159.3,	3724414.5,	183.4,	238.0,	0.0);	(437175.6,	3724407.8,	184.0,	238.0,	0.0);
(437192.0,	3724401.0,	184.0,	238.0,	0.0);	(437208.3,	3724394.3,	184.0,	238.0,	0.0);
(437224.7,	3724387.5,	184.0,	238.0,	0.0);	(437241.0,	3724380.8,	184.4,	238.0,	0.0);
(437257.4,	3724374.0,	184.9,	238.0,	0.0);	(437273.7,	3724367.3,	185.9,	238.0,	0.0);
(437290.1,	3724360.5,	187.2,	238.0,	0.0);	(437306.4,	3724353.8,	188.0,	238.0,	0.0);
(437486.3,	3724279.5,	227.8,	232.0,	0.0);	(437502.7,	3724272.8,	231.5,	232.0,	0.0);
(437519.0,	3724266.1,	230.5,	230.5,	0.0);	(437535.4,	3724259.3,	229.1,	231.0,	0.0);
(437551.7,	3724252.6,	226.5,	231.0,	0.0);	(437568.1,	3724245.8,	224.2,	232.0,	0.0);
(437592.9,	3724241.5,	221.7,	232.0,	0.0);	(437609.9,	3724246.5,	220.0,	233.0,	0.0);
(437745.7,	3724286.3,	223.5,	243.0,	0.0);	(437762.7,	3724291.2,	225.6,	243.0,	0.0);
(437779.6,	3724296.2,	228.5,	242.0,	0.0);	(437796.6,	3724301.2,	231.7,	242.0,	0.0);
(437813.6,	3724306.2,	234.8,	241.0,	0.0);	(437830.6,	3724311.1,	237.8,	241.0,	0.0);
(437847.6,	3724316.1,	239.3,	241.0,	0.0);	(437864.5,	3724321.1,	240.8,	240.8,	0.0);
(437898.5,	3724331.0,	241.6,	241.6,	0.0);	(437915.5,	3724336.0,	241.1,	241.1,	0.0);
(437932.4,	3724340.9,	240.5,	240.5,	0.0);	(437949.4,	3724345.9,	240.0,	240.0,	0.0);
(437966.4,	3724350.9,	238.0,	245.0,	0.0);	(437983.4,	3724355.9,	236.2,	245.0,	0.0);
(438000.3,	3724360.8,	234.7,	245.0,	0.0);	(438017.3,	3724365.8,	232.9,	250.0,	0.0);
(438034.3,	3724370.8,	231.0,	250.0,	0.0);	(438051.3,	3724375.7,	229.6,	250.0,	0.0);
(438068.3,	3724380.7,	228.6,	250.0,	0.0);	(438085.2,	3724385.7,	227.9,	269.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438102.2,	3724390.6,	227.2,	269.0,	0.0);	(	438119.2,	3724395.6,	226.0,	269.0,	0.0);
(	438136.2,	3724400.6,	224.6,	269.0,	0.0);	(	438153.1,	3724405.5,	222.8,	269.0,	0.0);
(	437132.6,	3724384.7,	181.8,	238.0,	0.0);	(	437149.0,	3724377.9,	182.7,	238.0,	0.0);
(	437165.3,	3724371.2,	183.0,	238.0,	0.0);	(	437181.7,	3724364.4,	182.9,	238.0,	0.0);
(	437198.0,	3724357.7,	182.7,	238.0,	0.0);	(	437214.4,	3724350.9,	183.0,	238.0,	0.0);
(	437230.7,	3724344.2,	183.3,	238.0,	0.0);	(	437247.1,	3724337.5,	184.2,	238.0,	0.0);
(	437263.4,	3724330.7,	185.5,	238.0,	0.0);	(	437279.8,	3724324.0,	187.2,	238.0,	0.0);
(	437476.0,	3724243.0,	222.4,	238.0,	0.0);	(	437492.3,	3724236.2,	227.6,	232.0,	0.0);
(	437508.7,	3724229.5,	229.7,	232.0,	0.0);	(	437525.0,	3724222.7,	228.7,	232.0,	0.0);
(	437541.4,	3724216.0,	226.8,	232.0,	0.0);	(	437557.8,	3724209.2,	225.0,	238.0,	0.0);
(	437574.1,	3724202.5,	223.1,	238.0,	0.0);	(	437590.8,	3724201.6,	221.4,	238.0,	0.0);
(	437692.6,	3724231.4,	221.7,	241.0,	0.0);	(	437709.6,	3724236.4,	222.3,	242.0,	0.0);
(	437726.6,	3724241.4,	223.9,	242.0,	0.0);	(	437743.6,	3724246.3,	225.5,	242.0,	0.0);
(	437845.4,	3724276.1,	240.1,	240.1,	0.0);	(	437862.4,	3724281.1,	240.9,	240.9,	0.0);
(	437879.4,	3724286.1,	240.3,	240.3,	0.0);	(	437930.3,	3724301.0,	236.5,	242.0,	0.0);
(	437947.3,	3724306.0,	234.4,	245.0,	0.0);	(	437964.3,	3724310.9,	232.8,	245.0,	0.0);
(	437981.2,	3724315.9,	231.1,	245.0,	0.0);	(	437998.2,	3724320.9,	230.1,	250.0,	0.0);
(	438015.2,	3724325.8,	229.0,	250.0,	0.0);	(	438032.2,	3724330.8,	227.4,	250.0,	0.0);
(	438049.1,	3724335.8,	225.7,	269.0,	0.0);	(	438066.1,	3724340.8,	224.1,	269.0,	0.0);
(	438083.1,	3724345.7,	223.1,	269.0,	0.0);	(	438100.1,	3724350.7,	222.4,	269.0,	0.0);
(	438117.1,	3724355.7,	221.1,	269.0,	0.0);	(	438134.0,	3724360.6,	219.9,	269.0,	0.0);
(	438151.0,	3724365.6,	218.8,	269.0,	0.0);	(	438168.0,	3724370.6,	218.1,	269.0,	0.0);
(	437122.3,	3724348.1,	179.2,	238.0,	0.0);	(	437138.6,	3724341.4,	180.3,	238.0,	0.0);
(	437155.0,	3724334.6,	180.4,	238.0,	0.0);	(	437171.4,	3724327.9,	180.8,	238.0,	0.0);
(	437187.7,	3724321.1,	181.4,	238.0,	0.0);	(	437204.1,	3724314.4,	182.2,	238.0,	0.0);
(	437220.4,	3724307.6,	182.7,	238.0,	0.0);	(	437236.8,	3724300.9,	183.9,	238.0,	0.0);
(	437253.1,	3724294.1,	185.8,	238.0,	0.0);	(	437449.3,	3724213.2,	221.4,	238.0,	0.0);
(	437465.7,	3724206.4,	226.6,	238.0,	0.0);	(	437482.0,	3724199.7,	229.7,	238.0,	0.0);
(	437498.4,	3724192.9,	231.9,	231.9,	0.0);	(	437514.8,	3724186.2,	230.5,	238.0,	0.0);
(	437531.1,	3724179.4,	228.5,	238.0,	0.0);	(	437547.5,	3724172.7,	225.8,	238.0,	0.0);
(	437563.8,	3724165.9,	223.5,	238.0,	0.0);	(	437588.6,	3724161.7,	220.3,	238.0,	0.0);
(	437673.5,	3724186.5,	220.6,	241.0,	0.0);	(	437690.5,	3724191.5,	222.0,	241.0,	0.0);
(	437707.5,	3724196.4,	223.5,	241.0,	0.0);	(	437724.5,	3724201.4,	225.0,	241.0,	0.0);
(	437741.4,	3724206.4,	226.6,	241.0,	0.0);	(	437758.4,	3724211.4,	228.7,	241.0,	0.0);
(	437775.4,	3724216.3,	231.2,	241.0,	0.0);	(	437792.4,	3724221.3,	234.2,	240.0,	0.0);
(	437809.3,	3724226.3,	236.8,	240.0,	0.0);	(	437826.3,	3724231.2,	239.5,	239.5,	0.0);
(	437843.3,	3724236.2,	239.2,	239.2,	0.0);	(	437860.3,	3724241.2,	238.6,	238.6,	0.0);
(	437877.2,	3724246.1,	237.2,	241.0,	0.0);	(	437894.2,	3724251.1,	235.8,	242.0,	0.0);
(	437911.2,	3724256.1,	233.6,	242.0,	0.0);	(	437928.2,	3724261.1,	231.9,	243.0,	0.0);
(	437962.1,	3724271.0,	228.0,	245.0,	0.0);	(	437979.1,	3724276.0,	226.1,	245.0,	0.0);
(	437996.1,	3724280.9,	225.0,	269.0,	0.0);	(	438013.1,	3724285.9,	223.9,	269.0,	0.0);
(	438030.0,	3724290.9,	222.6,	269.0,	0.0);	(	438047.0,	3724295.8,	221.1,	269.0,	0.0);
(	438064.0,	3724300.8,	219.2,	269.0,	0.0);	(	438081.0,	3724305.8,	217.5,	269.0,	0.0);
(	438098.0,	3724310.8,	216.0,	269.0,	0.0);	(	438114.9,	3724315.7,	215.8,	269.0,	0.0);
(	438199.8,	3724340.6,	219.7,	269.0,	0.0);	(	436933.7,	3724549.6,	197.1,	214.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	436926.3,	3724556.2,	197.1,	214.0,	0.0);	(436919.0,	3724562.8,	197.0,	218.0,	0.0);
(	436921.6,	3724506.6,	203.3,	214.0,	0.0);	(436914.2,	3724513.3,	206.1,	214.0,	0.0);
(	436906.9,	3724519.9,	207.2,	214.0,	0.0);	(436899.5,	3724526.5,	207.7,	214.0,	0.0);
(	436892.2,	3724533.1,	208.1,	214.0,	0.0);	(436894.8,	3724476.9,	199.4,	214.0,	0.0);
(	436887.4,	3724483.6,	200.7,	214.0,	0.0);	(436880.1,	3724490.2,	202.6,	214.0,	0.0);
(	436872.7,	3724496.8,	205.3,	214.0,	0.0);	(436865.4,	3724503.4,	208.3,	214.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC Met Version: 16216
Profile file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93184 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	1.30	54.	9.1	999.0	-9.0
11	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	190.	9.1	999.0	-9.0
11	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	133.	9.1	999.0	-9.0
11	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	151.	9.1	999.0	-9.0
11	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	42.	9.1	999.0	-9.0
11	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.53	0.90	28.	9.1	999.0	-9.0
11	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.31	0.90	95.	9.1	999.0	-9.0
11	01	01	1	10	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.24	0.90	211.	9.1	999.0	-9.0
11	01	01	1	11	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	258.	9.1	999.0	-9.0
11	01	01	1	12	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	268.	9.1	999.0	-9.0
11	01	01	1	13	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	220.	9.1	999.0	-9.0
11	01	01	1	14	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	247.	9.1	999.0	-9.0
11	01	01	1	15	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.25	1.30	249.	9.1	999.0	-9.0
11	01	01	1	16	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.33	2.20	209.	9.1	999.0	-9.0
11	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.61	1.30	196.	9.1	999.0	-9.0
11	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	132.	9.1	999.0	-9.0
11	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	91.	9.1	999.0	-9.0
11	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	67.	9.1	999.0	-9.0
11	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	72.	9.1	999.0	-9.0
11	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	65.	9.1	999.0	-9.0
11	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	61.	9.1	999.0	-9.0
11	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	41.	9.1	999.0	-9.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	-999.0	99.0	-99.00	-99.00
11	01	01	01	9.1	1	54.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437235.35	3725540.60	10.76384	437200.39	3725546.56	8.35346
437206.71	3725553.60	8.52761	437213.03	3725560.64	8.69456
437174.93	3725557.74	7.03562	437171.80	3725548.87	7.04745
437149.56	3725569.14	6.05831	437146.47	3725560.39	6.06584
437143.38	3725551.64	6.06745	437155.74	3725586.65	6.02352
437162.06	3725593.69	6.10721	437168.38	3725600.73	6.18598
437130.29	3725597.84	5.25832	437120.92	3725571.31	5.30620
437117.80	3725562.47	5.30878	437114.68	3725553.62	5.30570
437133.42	3725606.69	5.23449	437139.74	3725613.73	5.29482
437146.06	3725620.77	5.35478	437108.01	3725617.99	4.64035
437104.92	3725609.25	4.65705	437101.83	3725600.51	4.67144
437092.58	3725574.29	4.69511	437089.49	3725565.55	4.69590
437086.40	3725556.81	4.69356	437085.65	3725637.94	4.14649
437082.54	3725629.12	4.16311	437079.42	3725620.30	4.17527
437076.30	3725611.47	4.18455	437073.19	3725602.65	4.19192
437063.84	3725576.18	4.20389	437060.72	3725567.35	4.20279
437057.61	3725558.53	4.19699	437101.41	3725660.85	4.20378
437055.87	3725664.62	3.63948	437052.74	3725655.75	3.64094
437043.34	3725629.14	3.66745	437040.21	3725620.27	3.67308
437037.08	3725611.40	3.67570	437033.95	3725602.54	3.67651
437024.55	3725575.93	3.67069	437021.42	3725567.06	3.66451
437059.00	3725673.49	3.64086	437026.09	3725691.30	3.26162
437022.95	3725682.39	3.26636	437019.80	3725673.48	3.26601
437016.65	3725664.57	3.26076	437013.51	3725655.66	3.25682
437004.07	3725628.93	3.26002	437000.92	3725620.02	3.26096
436997.78	3725611.12	3.25989	436994.63	3725602.21	3.25632
436991.48	3725593.30	3.25120	436988.34	3725584.39	3.24533
436985.19	3725575.48	3.23876	436982.04	3725566.57	3.23050
437029.24	3725700.21	3.25319	437035.56	3725707.25	3.28015
437041.88	3725714.29	3.31257	436993.26	3725709.34	2.91489
436990.16	3725700.55	2.91303	436987.05	3725691.76	2.91256
436983.95	3725682.96	2.91544	436980.84	3725674.17	2.91855
436977.73	3725665.37	2.92164	436974.63	3725656.58	2.92418
436971.52	3725647.79	2.92478	436962.21	3725621.40	2.91996
436959.10	3725612.61	2.91542	436956.00	3725603.82	2.91020
436952.89	3725595.02	2.90396	436949.78	3725586.23	2.89661
436946.68	3725577.43	2.88836	436943.57	3725568.64	2.87921
437004.81	3724812.38	1.69163	437008.83	3724803.96	1.67644

437012.84	3724795.54	1.66061	437016.85	3724787.13	1.64457
436954.11	3725709.49	2.63245	436950.99	3725700.65	2.63527

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436947.87	3725691.82	2.63697	436944.75	3725682.99	2.63913
436941.63	3725674.15	2.64050	436938.51	3725665.32	2.64095
436935.39	3725656.49	2.64041	436932.27	3725647.65	2.63954
436929.15	3725638.82	2.63859	436919.80	3725612.32	2.62677
436916.68	3725603.48	2.62119	436913.56	3725594.65	2.61445
436910.44	3725585.82	2.60613	436907.32	3725576.98	2.59749
436889.14	3724969.19	1.87715	436893.17	3724960.73	1.86938
436897.20	3724952.27	1.86307	436901.23	3724943.82	1.85652
436905.26	3724935.36	1.84585	436909.29	3724926.90	1.82818
436913.32	3724918.45	1.81238	436917.35	3724909.99	1.79410
436921.38	3724901.53	1.77704	436925.41	3724893.08	1.76280
436929.44	3724884.62	1.74917	436933.47	3724876.16	1.72062
436937.50	3724867.70	1.68629	436941.53	3724859.25	1.66866
436945.56	3724850.79	1.65611	436949.59	3724842.33	1.64347
436953.62	3724833.88	1.63147	436957.65	3724825.42	1.61971
436961.68	3724816.96	1.60762	436965.71	3724808.51	1.59487
436969.74	3724800.05	1.58846	436973.77	3724791.59	1.58578
436977.80	3724783.14	1.57596	436981.83	3724774.68	1.55911
436985.86	3724766.22	1.54237	436976.03	3725760.69	2.64822
436982.35	3725767.73	2.67422	436936.81	3725771.50	2.37397
436933.68	3725762.64	2.37905	436930.55	3725753.77	2.38431
436911.75	3725700.55	2.39742	436908.62	3725691.68	2.39446
436905.49	3725682.81	2.39341	436902.36	3725673.94	2.39756
436899.23	3725665.07	2.39936	436883.56	3725620.73	2.39201
436880.43	3725611.86	2.38649	436877.30	3725602.99	2.37996
436874.17	3725594.12	2.37282	436871.04	3725585.25	2.36601
436867.90	3725576.38	2.35857	436833.47	3725000.09	1.75570
436837.52	3724991.60	1.74806	436841.56	3724983.11	1.73763
436845.61	3724974.62	1.72674	436849.65	3724966.12	1.71690
436853.70	3724957.63	1.70746	436857.75	3724949.14	1.69599
436861.79	3724940.65	1.68285	436865.84	3724932.16	1.67093
436869.89	3724923.67	1.66215	436873.93	3724915.18	1.65391
436877.98	3724906.69	1.64299	436882.03	3724898.20	1.62935
436886.07	3724889.70	1.61563	436890.12	3724881.21	1.60223
436894.16	3724872.72	1.58842	436898.21	3724864.23	1.57435
436902.26	3724855.74	1.56448	436906.30	3724847.25	1.55487
436910.35	3724838.76	1.54504	436914.40	3724830.27	1.53507
436918.44	3724821.78	1.52491	436922.49	3724813.28	1.51449

436926.54	3724804.79	1.50375	436930.58	3724796.30	1.49275
436934.63	3724787.81	1.48158	436938.67	3724779.32	1.47012

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436942.72	3724770.83	1.45850	436946.77	3724762.34	1.44678
436950.81	3724753.85	1.43489	436954.86	3724745.36	1.42280
436958.91	3724736.86	1.41052	436962.95	3724728.37	1.39919
436939.94	3725780.37	2.36855	436946.26	3725787.41	2.38404
436952.58	3725794.45	2.40013	436907.03	3725798.19	2.16681
436903.89	3725789.29	2.17086	436900.75	3725780.39	2.17506
436897.60	3725771.49	2.17904	436894.46	3725762.59	2.18271
436872.45	3725700.27	2.18503	436869.31	3725691.37	2.18507
436866.17	3725682.47	2.18690	436863.02	3725673.57	2.18965
436859.88	3725664.67	2.19002	436856.74	3725655.76	2.18807
436853.59	3725646.86	2.18576	436850.45	3725637.96	2.18548
436847.31	3725629.06	2.18562	436844.16	3725620.16	2.18364
436841.02	3725611.26	2.17746	436837.87	3725602.35	2.17045
436834.73	3725593.45	2.16355	436831.59	3725584.55	2.15766
436828.44	3725575.65	2.15190	436773.58	3725039.85	1.63066
436777.64	3725031.33	1.62580	436781.70	3725022.80	1.61895
436785.76	3725014.28	1.61122	436789.82	3725005.76	1.60204
436793.88	3724997.24	1.59184	436797.94	3724988.71	1.58188
436802.00	3724980.19	1.57196	436806.07	3724971.67	1.56122
436810.13	3724963.15	1.55082	436814.19	3724954.62	1.54229
436818.25	3724946.10	1.53600	436822.31	3724937.58	1.53154
436826.37	3724929.06	1.52679	436830.43	3724920.54	1.52165
436834.49	3724912.01	1.51607	436838.56	3724903.49	1.51010
436842.62	3724894.97	1.50356	436846.68	3724886.45	1.49698
436850.74	3724877.92	1.49055	436854.80	3724869.40	1.48365
436858.86	3724860.88	1.47648	436862.92	3724852.36	1.46904
436866.98	3724843.83	1.46092	436871.05	3724835.31	1.45243
436875.11	3724826.79	1.44377	436879.17	3724818.27	1.43494
436883.23	3724809.74	1.42597	436887.29	3724801.22	1.41679
436891.35	3724792.70	1.40734	436895.41	3724784.18	1.39770
436899.47	3724775.66	1.38806	436903.54	3724767.13	1.37837
436907.60	3724758.61	1.36838	436911.66	3724750.09	1.35807
436915.72	3724741.57	1.34758	436919.78	3724733.04	1.33696
436923.84	3724724.52	1.32620	436927.90	3724716.00	1.31506
436931.96	3724707.48	1.30372	436936.02	3724698.95	1.29229
436940.09	3724690.43	1.28080	436910.18	3725807.10	2.16346
436916.50	3725814.14	2.17648	436922.82	3725821.18	2.18986
436877.30	3725825.01	1.99848	436874.19	3725816.20	2.00119

436871.08	3725807.39	2.00440	436867.97	3725798.59	2.00579
436864.86	3725789.78	2.00749	436861.75	3725780.97	2.00961

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436858.64	3725772.16	2.01161	436855.53	3725763.36	2.01216
436852.42	3725754.55	2.01088	436836.87	3725710.51	2.00669
436833.76	3725701.70	2.00676	436830.65	3725692.89	2.00614
436827.54	3725684.09	2.00534	436824.43	3725675.28	2.00588
436821.32	3725666.47	2.00570	436818.21	3725657.66	2.00461
436815.09	3725648.86	2.00297	436811.98	3725640.05	1.99966
436808.87	3725631.24	1.99634	436716.74	3725073.19	1.48670
436720.76	3725064.75	1.48185	436724.78	3725056.32	1.48215
436728.80	3725047.89	1.47945	436732.81	3725039.46	1.47678
436736.83	3725031.03	1.47413	436740.85	3725022.59	1.47171
436744.87	3725014.16	1.46837	436748.89	3725005.73	1.46312
436752.91	3724997.30	1.45668	436756.92	3724988.87	1.45043
436760.94	3724980.43	1.44864	436764.96	3724972.00	1.44658
436768.98	3724963.57	1.44403	436773.00	3724955.14	1.44101
436777.02	3724946.70	1.43762	436781.03	3724938.27	1.43447
436785.05	3724929.84	1.43091	436789.07	3724921.41	1.42704
436793.09	3724912.98	1.42289	436797.11	3724904.54	1.41837
436801.12	3724896.11	1.41323	436805.14	3724887.68	1.40776
436809.16	3724879.25	1.40195	436813.18	3724870.81	1.39579
436817.20	3724862.38	1.38938	436821.22	3724853.95	1.38272
436825.23	3724845.52	1.37578	436829.25	3724837.09	1.36852
436833.27	3724828.65	1.36110	436837.29	3724820.22	1.35356
436841.31	3724811.79	1.34563	436845.33	3724803.36	1.33726
436849.34	3724794.93	1.32878	436853.36	3724786.49	1.32023
436857.38	3724778.06	1.31199	436861.40	3724769.63	1.30350
436865.42	3724761.20	1.29475	436869.44	3724752.76	1.28589
436873.45	3724744.33	1.27765	436877.47	3724735.90	1.26906
436881.49	3724727.47	1.26013	436885.51	3724719.04	1.25103
436889.53	3724710.60	1.24175	436893.54	3724702.17	1.23223
436897.56	3724693.74	1.22252	436901.58	3724685.31	1.21273
436905.60	3724676.87	1.20285	436909.62	3724668.44	1.19278
436913.64	3724660.01	1.18270	436917.65	3724651.58	1.17260
436921.67	3724643.15	1.16249	436925.69	3724634.71	1.15249
436929.71	3724626.28	1.14284	436933.73	3724617.85	1.13292
436937.75	3724609.42	1.12270	436941.76	3724600.99	1.11359
436880.41	3725833.82	1.99713	436886.73	3725840.86	2.00901
436893.05	3725847.90	2.01822	436847.52	3725851.70	1.84526
436844.40	3725842.86	1.84919	436841.28	3725834.02	1.85260

436838.16	3725825.18	1.85515	436835.04	3725816.34	1.85715
436831.92	3725807.50	1.85869	436828.79	3725798.66	1.85993

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436825.67	3725789.82	1.86124	436822.55	3725780.98	1.86238
436819.43	3725772.14	1.86285	436816.31	3725763.30	1.86304
436791.34	3725692.58	1.84654	436788.21	3725683.75	1.84400
436672.98	3725079.09	1.44761	436677.02	3725070.62	1.42857
436681.05	3725062.16	1.41797	436685.08	3725053.70	1.40965
436689.11	3725045.23	1.39718	436693.15	3725036.77	1.38574
436697.18	3725028.31	1.37494	436701.21	3725019.85	1.36665
436705.25	3725011.38	1.35998	436709.28	3725002.92	1.35828
436713.31	3724994.46	1.35746	436717.34	3724985.99	1.35640
436721.38	3724977.53	1.35494	436725.41	3724969.07	1.35303
436729.44	3724960.61	1.35120	436733.48	3724952.14	1.34918
436737.51	3724943.68	1.34696	436741.54	3724935.22	1.34453
436745.57	3724926.76	1.34165	436749.61	3724918.29	1.33797
436753.64	3724909.83	1.33419	436757.67	3724901.37	1.33013
436761.71	3724892.90	1.32573	436765.74	3724884.44	1.32084
436769.77	3724875.98	1.31544	436773.80	3724867.52	1.31034
436777.84	3724859.05	1.30491	436781.87	3724850.59	1.29956
436785.90	3724842.13	1.29409	436789.94	3724833.66	1.28813
436793.97	3724825.20	1.28164	436798.00	3724816.74	1.27458
436802.03	3724808.28	1.26755	436806.07	3724799.81	1.26021
436810.10	3724791.35	1.25266	436814.13	3724782.89	1.24594
436818.17	3724774.42	1.23939	436822.20	3724765.96	1.23246
436826.23	3724757.50	1.22512	436830.27	3724749.04	1.21753
436834.30	3724740.57	1.20982	436838.33	3724732.11	1.20199
436842.36	3724723.65	1.19437	436846.40	3724715.18	1.18668
436850.43	3724706.72	1.17875	436854.46	3724698.26	1.17060
436858.50	3724689.80	1.16266	436862.53	3724681.33	1.15427
436866.56	3724672.87	1.14525	436870.59	3724664.41	1.13624
436874.63	3724655.94	1.12880	436878.66	3724647.48	1.12074
436882.69	3724639.02	1.11208	436886.73	3724630.56	1.10382
436890.76	3724622.09	1.09601	436894.79	3724613.63	1.08831
436898.82	3724605.17	1.08097	436902.86	3724596.70	1.07543
436906.89	3724588.24	1.06921	436910.92	3724579.78	1.06237
436914.96	3724571.32	1.05588	436850.65	3725860.54	1.84110
436856.97	3725867.58	1.85024	436863.29	3725874.62	1.85708
436817.75	3725878.39	1.70602	436814.62	3725869.52	1.71049
436811.48	3725860.65	1.71443	436808.35	3725851.78	1.71811
436805.22	3725842.91	1.72143	436802.09	3725834.04	1.72408

436798.96	3725825.17	1.72523	436795.82	3725816.31	1.72619
436792.69	3725807.44	1.72720	436789.56	3725798.57	1.72769

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436786.43	3725789.70	1.72795	436783.30	3725780.83	1.72823
436657.51	3725025.64	1.34264	436661.55	3725017.15	1.32691
436665.60	3725008.66	1.31261	436669.64	3725000.17	1.29865
436673.69	3724991.67	1.28958	436677.74	3724983.18	1.28329
436681.78	3724974.69	1.27604	436685.83	3724966.20	1.26847
436689.88	3724957.71	1.26642	436693.92	3724949.22	1.26484
436697.97	3724940.73	1.26312	436702.02	3724932.24	1.26123
436706.06	3724923.75	1.25910	436710.11	3724915.25	1.25663
436714.15	3724906.76	1.25385	436718.20	3724898.27	1.25136
436722.25	3724889.78	1.24854	436726.29	3724881.29	1.24545
436730.34	3724872.80	1.24215	436734.39	3724864.31	1.23828
436738.43	3724855.82	1.23401	436742.48	3724847.33	1.22948
436746.53	3724838.83	1.22464	436750.57	3724830.34	1.21948
436754.62	3724821.85	1.21427	436758.66	3724813.36	1.20891
436762.71	3724804.87	1.20345	436766.76	3724796.38	1.19773
436770.80	3724787.89	1.19170	436774.85	3724779.40	1.18571
436778.90	3724770.91	1.17952	436782.94	3724762.41	1.17333
436786.99	3724753.92	1.16703	436791.04	3724745.43	1.16047
436795.08	3724736.94	1.15364	436799.13	3724728.45	1.14660
436803.17	3724719.96	1.13976	436807.22	3724711.47	1.13309
436811.27	3724702.98	1.12649	436815.31	3724694.48	1.11983
436819.36	3724685.99	1.11348	436823.41	3724677.50	1.10702
436827.45	3724669.01	1.10047	436831.50	3724660.52	1.09348
436835.55	3724652.03	1.08605	436839.59	3724643.54	1.07834
436843.64	3724635.05	1.07081	436847.68	3724626.56	1.06356
436851.73	3724618.06	1.05627	436855.78	3724609.57	1.04896
436859.82	3724601.08	1.04244	436863.87	3724592.59	1.03670
436867.92	3724584.10	1.03116	436871.96	3724575.61	1.02560
436876.01	3724567.12	1.02075	436880.05	3724558.63	1.01511
436884.10	3724550.14	1.00827	436888.15	3724541.64	1.00035
436820.88	3725887.26	1.70118	436827.20	3725894.30	1.70832
436833.52	3725901.34	1.71496	436787.97	3725905.08	1.58284
436784.83	3725896.19	1.58675	436781.69	3725887.29	1.59018
436778.55	3725878.39	1.59327	436775.41	3725869.50	1.59590
436772.27	3725860.60	1.59842	436769.12	3725851.70	1.60085
436765.98	3725842.81	1.60325	436762.84	3725833.91	1.60537
436759.70	3725825.01	1.60632	436756.56	3725816.12	1.60716
436753.41	3725807.22	1.60763	436750.27	3725798.32	1.60740

436747.13	3725789.43	1.60646	436650.28	3724954.87	1.21722
436654.34	3724946.36	1.21231	436658.40	3724937.84	1.21020

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
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L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436662.46	3724929.32	1.20618	436666.52	3724920.80	1.20064
436670.58	3724912.29	1.19524	436674.63	3724903.77	1.19021
436678.69	3724895.25	1.18569	436682.75	3724886.73	1.18096
436686.81	3724878.22	1.17613	436690.87	3724869.70	1.17171
436694.93	3724861.18	1.16792	436698.99	3724852.66	1.16499
436703.05	3724844.15	1.16181	436707.11	3724835.63	1.15827
436711.16	3724827.11	1.15439	436715.22	3724818.60	1.15068
436719.28	3724810.08	1.14720	436723.34	3724801.56	1.14345
436727.40	3724793.04	1.13907	436731.46	3724784.53	1.13431
436735.52	3724776.01	1.12970	436739.58	3724767.49	1.12490
436743.63	3724758.97	1.11991	436747.69	3724750.46	1.11462
436751.75	3724741.94	1.10909	436755.81	3724733.42	1.10341
436759.87	3724724.90	1.09757	436763.93	3724716.39	1.09150
436767.99	3724707.87	1.08533	436772.05	3724699.35	1.07909
436776.11	3724690.84	1.07304	436780.16	3724682.32	1.06703
436784.22	3724673.80	1.06118	436788.28	3724665.28	1.05539
436792.34	3724656.77	1.05014	436796.40	3724648.25	1.04455
436800.46	3724639.73	1.03866	436804.52	3724631.21	1.03219
436808.58	3724622.70	1.02529	436812.64	3724614.18	1.01836
436816.69	3724605.66	1.01150	436820.75	3724597.14	1.00510
436824.81	3724588.63	0.99867	436828.87	3724580.11	0.99218
436832.93	3724571.59	0.98658	436836.99	3724563.07	0.98170
436841.05	3724554.56	0.97664	436845.11	3724546.04	0.97022
436849.16	3724537.52	0.96289	436853.22	3724529.01	0.95555
436857.28	3724520.49	0.94787	436861.34	3724511.97	0.94142
436791.12	3725913.98	1.57871	436797.44	3725921.02	1.58523
436803.76	3725928.06	1.59149	437276.64	3725541.49	15.52406
437288.46	3725554.53	16.13909	437300.27	3725567.56	16.29059
437242.60	3725548.61	11.06429	437254.42	3725561.64	11.46410
437244.00	3725594.82	9.28964	437255.81	3725607.85	9.38350
437198.15	3725588.90	7.35889	437209.96	3725601.93	7.52419
437221.77	3725614.97	7.64982	437233.58	3725628.00	7.73204
437175.92	3725609.05	6.27398	437199.54	3725635.11	6.49273
437153.69	3725629.20	5.42336	437165.50	3725642.23	5.52525
437131.46	3725649.34	4.77171	437143.28	3725662.38	4.84963
437155.09	3725675.41	4.91939	437166.90	3725688.44	4.98069
437079.60	3725696.35	3.73948	437091.41	3725709.39	3.78535
437103.22	3725722.42	3.82610	437049.96	3725723.22	3.33978

437032.13	3725763.11	3.01047	436990.68	3725776.94	2.70316
437002.50	3725789.98	2.75315	437014.31	3725803.01	2.75753

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
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L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437026.12	3725816.04	2.74882	436961.05	3725803.81	2.42196
436972.86	3725816.84	2.47045	436984.67	3725829.87	2.51465
436996.48	3725842.90	2.54670	436931.41	3725830.67	2.21011
436943.22	3725843.70	2.24072	436955.03	3725856.73	2.26451
436966.85	3725869.77	2.28786	436901.77	3725857.53	2.02951
436913.58	3725870.57	2.04212	436925.40	3725883.60	2.05419
436937.21	3725896.63	2.06766	436872.14	3725884.40	1.86629
436883.95	3725897.43	1.87662	436895.76	3725910.46	1.88774
436907.57	3725923.49	1.89940	436842.50	3725911.26	1.72404
436854.31	3725924.29	1.73496	436866.12	3725937.32	1.74526
436877.94	3725950.36	1.75414	436812.86	3725938.12	1.59980
436824.67	3725951.15	1.60858	436836.49	3725964.19	1.61518
436848.30	3725977.22	1.62279	436967.74	3725574.40	3.07700
436930.83	3725589.82	2.74323	436893.93	3725605.25	2.47297
436857.02	3725620.68	2.25101	436820.12	3725636.10	2.04100
436730.34	3725021.93	1.43424	436692.61	3725008.65	1.33504
436654.87	3724995.37	1.27726	437486.31	3725583.06	52.65819
437493.69	3725589.34	48.76339	437501.08	3725595.62	45.67070
437508.47	3725601.90	43.25238	437436.41	3725566.90	45.16933
437443.80	3725573.18	41.79749	437451.19	3725579.46	39.21161
437458.58	3725585.74	37.02220	437465.96	3725592.02	35.17842
437473.35	3725598.30	33.47917	437480.74	3725604.58	31.91828
437488.13	3725610.86	30.62821	437495.52	3725617.14	29.55841
437396.27	3725555.39	45.06866	437401.29	3725563.30	38.48484
437408.68	3725569.58	35.03642	437423.46	3725582.14	30.46045
437430.84	3725588.42	28.82019	437438.23	3725594.70	27.48060
437445.62	3725600.98	26.32593	437453.01	3725607.26	25.34431
437460.40	3725613.54	24.51877	437467.79	3725619.82	23.82954
437475.18	3725626.10	23.15700	437482.57	3725632.38	22.54201
437376.87	3725578.29	25.91999	437371.87	3725570.41	28.55183
437366.88	3725562.54	31.78449	437361.89	3725554.67	35.84368
437381.86	3725586.16	23.77654	437389.25	3725592.44	22.61828
437396.64	3725598.72	21.47203	437404.03	3725605.00	20.43128
437455.75	3725648.96	16.93695	437463.14	3725655.24	16.63753
437357.46	3725601.18	17.82971	437352.49	3725593.34	18.81849
437362.43	3725609.02	16.92771	437369.82	3725615.30	16.47653
437377.21	3725621.58	15.96999	437384.60	3725627.86	15.52069
437391.99	3725634.14	15.13938	437399.38	3725640.42	14.76217

437421.54	3725659.26	13.90396	437428.93	3725665.54	13.71628
437436.32	3725671.82	13.52201	437443.71	3725678.10	13.33405

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
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L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437296.53	3725558.60	16.95254	437286.20	3725542.31	17.19204
437343.00	3725631.88	12.92182	437350.39	3725638.16	12.77426
437357.78	3725644.44	12.61644	437365.17	3725650.72	12.44433
437372.56	3725657.00	12.26454	437379.95	3725663.28	12.07247
437387.34	3725669.56	11.90988	437409.51	3725688.40	11.42600
437416.90	3725694.68	11.29747	437424.28	3725700.96	11.17642
437303.04	3725622.36	11.24133	437297.91	3725614.27	11.47717
437292.78	3725606.17	11.70411	437287.64	3725598.08	11.91601
437267.11	3725565.70	12.40915	437256.85	3725549.52	12.32495
437251.71	3725541.42	12.22205	437338.35	3725667.30	10.22770
437345.74	3725673.58	10.17097	437353.13	3725679.86	10.09907
437360.52	3725686.14	10.02498	437367.91	3725692.42	9.95090
437375.30	3725698.70	9.87745	437382.69	3725704.98	9.80520
437283.72	3725645.39	9.06069	437278.61	3725637.33	9.19425
437273.51	3725629.28	9.31871	437268.40	3725621.23	9.43335
437263.29	3725613.18	9.53674	437253.08	3725597.07	9.69971
437232.65	3725564.86	9.73369	437227.55	3725556.81	9.66791
437222.44	3725548.75	9.57474	437217.33	3725540.70	9.46175
437333.70	3725702.72	8.46260	437370.65	3725734.12	8.30911
437378.04	3725740.40	8.27173	437279.64	3725692.44	7.32204
437274.55	3725684.42	7.41304	437269.47	3725676.41	7.50044
437249.13	3725644.34	7.81065	437244.05	3725636.32	7.87126
437223.71	3725604.25	8.01591	437218.63	3725596.24	8.01932
437213.54	3725588.22	8.00691	437198.29	3725564.17	7.88227
437193.21	3725556.15	7.81462	437188.12	3725548.13	7.73370
437284.72	3725700.46	7.22804	437292.11	3725706.74	7.23379
437299.50	3725713.02	7.23486	437336.44	3725744.42	7.20773
437343.83	3725750.70	7.20001	437351.22	3725756.98	7.18859
437358.61	3725763.26	7.17396	437366.00	3725769.54	7.15510
437260.23	3725715.33	6.33335	437255.16	3725707.35	6.39420
437250.10	3725699.36	6.45329	437245.03	3725691.37	6.50949
437239.97	3725683.39	6.56236	437234.91	3725675.40	6.61157
437229.84	3725667.42	6.65577	437209.58	3725635.47	6.77299
437204.52	3725627.49	6.78428	437199.46	3725619.50	6.78776
437194.39	3725611.52	6.78305	437164.01	3725563.60	6.56810
437158.94	3725555.62	6.50419	437153.88	3725547.63	6.43356
437265.29	3725723.32	6.26996	437294.85	3725748.44	6.29381
437324.40	3725773.56	6.29878	437331.79	3725779.84	6.29846

437339.18	3725786.12	6.29600	437346.57	3725792.40	6.29051
437225.68	3725714.34	5.68121	437220.63	3725706.39	5.71626

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
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L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437215.58	3725698.43	5.74856	437210.54	3725690.47	5.77779
437205.49	3725682.51	5.80323	437200.44	3725674.55	5.82468
437175.21	3725634.76	5.85774	437170.16	3725626.80	5.84382
437165.12	3725618.85	5.83483	437160.07	3725610.89	5.81903
437155.02	3725602.93	5.79567	437149.97	3725594.97	5.76542
437134.83	3725571.10	5.64368	437129.79	3725563.14	5.59164
437124.74	3725555.18	5.53472	437245.86	3725746.18	5.51681
437253.25	3725752.46	5.53511	437260.64	3725758.74	5.54949
437268.03	3725765.02	5.55908	437275.42	3725771.30	5.56574
437282.81	3725777.58	5.57120	437312.37	3725802.70	5.59267
437319.75	3725808.98	5.59214	437327.14	3725815.26	5.59200
437221.26	3725760.88	4.93964	437216.09	3725752.72	4.97035
437210.91	3725744.56	4.99919	437205.74	3725736.40	5.02599
437169.51	3725679.27	5.13766	437164.34	3725671.11	5.13942
437159.16	3725662.95	5.13743	437153.99	3725654.79	5.13183
437148.81	3725646.63	5.12065	437143.64	3725638.47	5.10608
437138.46	3725630.31	5.08861	437133.29	3725622.15	5.07056
437102.24	3725573.19	4.88887	437307.72	3725838.12	5.01961
437176.09	3725743.14	4.52545	437170.94	3725735.02	4.53868
437165.78	3725726.89	4.54981	437160.63	3725718.77	4.55765
437140.02	3725686.26	4.55992	437134.87	3725678.14	4.55573
437129.71	3725670.01	4.54984	437098.80	3725621.26	4.46221
437093.64	3725613.14	4.43810	437088.49	3725605.01	4.41184
437083.34	3725596.89	4.38328	437176.02	3725814.36	3.89963
437170.93	3725806.34	3.91267	437165.85	3725798.32	3.92447
437160.77	3725790.31	3.93505	437155.68	3725782.29	3.94447
437125.18	3725734.19	3.98526	437120.09	3725726.17	3.98743
437115.01	3725718.15	3.98724	437109.92	3725710.14	3.98443
437104.84	3725702.12	3.97980	437099.76	3725694.10	3.97269
437094.67	3725686.08	3.96338	437089.59	3725678.07	3.95136
437084.50	3725670.05	3.93534	437079.42	3725662.03	3.91598
437059.08	3725629.96	3.85008	437054.00	3725621.95	3.82996
437048.92	3725613.93	3.80656	437181.10	3725822.37	3.88571
437188.49	3725828.65	3.90507	437195.88	3725834.93	3.92334
437203.27	3725841.21	3.93847	437210.66	3725847.49	3.95199
437218.05	3725853.77	3.96607	437225.44	3725860.05	3.98117
437232.83	3725866.33	3.99757	437240.22	3725872.61	4.01363
437247.60	3725878.89	4.02868	437254.99	3725885.17	4.04291

437262.38	3725891.45	4.05668	437150.05	3725844.74	3.48273
437144.91	3725836.63	3.48910	437119.19	3725796.07	3.52916

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437114.04	3725787.95	3.53183	437108.90	3725779.84	3.53198
437103.75	3725771.73	3.53902	437072.88	3725723.05	3.53328
437052.31	3725690.60	3.50032	437047.16	3725682.49	3.48857
437042.02	3725674.38	3.46799	437036.87	3725666.27	3.44375
437031.73	3725658.15	3.41978	437026.58	3725650.04	3.39882
437155.20	3725852.85	3.47562	437162.59	3725859.13	3.49325
437169.98	3725865.41	3.51002	437177.37	3725871.69	3.52603
437184.76	3725877.97	3.54190	437192.14	3725884.25	3.55773
437199.53	3725890.53	3.57371	437206.92	3725896.81	3.59283
437214.31	3725903.09	3.61148	437221.70	3725909.37	3.62992
437229.09	3725915.65	3.64805	437236.48	3725921.93	3.66157
437124.21	3725875.32	3.15065	437119.13	3725867.30	3.15264
437114.04	3725859.28	3.15498	437108.96	3725851.26	3.15767
437103.87	3725843.25	3.16386	437098.79	3725835.23	3.17012
437093.71	3725827.21	3.17727	437088.62	3725819.20	3.17576
437027.61	3725722.99	3.15511	437022.53	3725714.97	3.13842
437017.44	3725706.96	3.12742	437012.36	3725698.94	3.11224
437007.28	3725690.92	3.09288	437002.19	3725682.91	3.06964
436997.11	3725674.89	3.04795	436992.02	3725666.87	3.03013
436986.94	3725658.85	3.01383	436981.85	3725650.84	2.99736
436936.10	3725578.68	2.80287	436931.01	3725570.67	2.77699
437129.29	3725883.33	3.14748	437136.68	3725889.61	3.16477
437144.07	3725895.89	3.18351	437151.46	3725902.17	3.20126
437158.85	3725908.45	3.21766	437166.24	3725914.73	3.23309
437173.63	3725921.01	3.24889	437181.02	3725927.29	3.26549
437188.41	3725933.57	3.28164	437195.80	3725939.85	3.29583
437203.19	3725946.13	3.30867	437210.57	3725952.41	3.32032
437098.25	3725905.71	2.84975	437093.11	3725897.61	2.84883
437087.98	3725889.50	2.84710	437082.84	3725881.40	2.84299
437077.70	3725873.30	2.83926	437072.56	3725865.20	2.83915
437067.42	3725857.10	2.83946	437062.28	3725848.99	2.83982
437057.15	3725840.89	2.84022	437052.01	3725832.79	2.83694
437046.87	3725824.69	2.83032	437041.73	3725816.58	2.82866
437036.59	3725808.48	2.83020	437031.46	3725800.38	2.83510
437026.32	3725792.28	2.84278	437021.18	3725784.17	2.85229
437016.04	3725776.07	2.86872	437010.90	3725767.97	2.88284
437005.76	3725759.87	2.86919	436974.93	3725711.25	2.76489
436969.80	3725703.15	2.75275	436964.66	3725695.05	2.74112

436959.52	3725686.94	2.72912	436954.38	3725678.84	2.71434
436903.00	3725597.82	2.54009	436897.86	3725589.72	2.51896

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436892.72	3725581.61	2.49772	436887.58	3725573.51	2.47613
437103.39	3725913.81	2.84909	437110.78	3725920.09	2.87126
437118.17	3725926.37	2.89447	437125.56	3725932.65	2.91322
437132.95	3725938.93	2.92981	437140.34	3725945.21	2.94487
437147.72	3725951.49	2.95830	437155.11	3725957.77	2.97069
437162.50	3725964.05	2.98031	437169.89	3725970.33	2.98785
437177.28	3725976.61	2.99040	437184.67	3725982.89	2.99160
437072.30	3725936.11	2.59469	437067.11	3725927.93	2.59261
437061.92	3725919.75	2.59526	437056.73	3725911.57	2.59664
437051.55	3725903.39	2.59410	437046.36	3725895.21	2.59247
437041.17	3725887.03	2.59707	437035.98	3725878.85	2.59948
437030.79	3725870.66	2.59974	437025.61	3725862.48	2.59965
437020.42	3725854.30	2.59846	437015.23	3725846.12	2.60387
437010.04	3725837.94	2.61118	437004.86	3725829.76	2.62523
436999.67	3725821.58	2.63187	436994.48	3725813.40	2.62053
436989.29	3725805.22	2.60000	436984.10	3725797.04	2.59450
436978.92	3725788.86	2.58792	436973.73	3725780.68	2.57976
436968.54	3725772.50	2.56775	436963.35	3725764.32	2.55047
436958.16	3725756.13	2.53464	436927.04	3725707.05	2.47227
436921.85	3725698.87	2.46074	436875.16	3725625.24	2.34320
436869.97	3725617.06	2.32657	436864.78	3725608.88	2.30583
436859.59	3725600.70	2.28561	436854.41	3725592.52	2.26686
436849.22	3725584.34	2.24967	436844.03	3725576.16	2.23337
436838.84	3725567.98	2.21788	437077.49	3725944.29	2.59205
437084.88	3725950.57	2.60647	437092.26	3725956.85	2.62092
437099.65	3725963.13	2.63426	437107.04	3725969.41	2.64053
437114.43	3725975.69	2.64511	437121.82	3725981.97	2.64362
437129.21	3725988.25	2.63279	437136.60	3725994.53	2.62021
437143.99	3726000.81	2.62160	437151.38	3726007.09	2.63100
437158.77	3726013.37	2.63271	437046.45	3725966.68	2.33258
437041.32	3725958.58	2.33819	437036.18	3725950.49	2.34826
437031.05	3725942.39	2.35723	437025.92	3725934.30	2.36327
437020.78	3725926.20	2.36657	437015.65	3725918.11	2.37111
437010.52	3725910.02	2.37450	437005.38	3725901.92	2.37814
437000.25	3725893.83	2.38212	436995.12	3725885.73	2.38334
436989.99	3725877.64	2.38534	436984.85	3725869.55	2.38817
436979.72	3725861.45	2.38638	436974.59	3725853.36	2.38110
436969.45	3725845.26	2.37804	436964.32	3725837.17	2.37429

436959.19	3725829.07	2.36107	436954.05	3725820.98	2.34679
436948.92	3725812.89	2.33330	436943.79	3725804.79	2.32490

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
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L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436938.66	3725796.70	2.32006	436933.52	3725788.60	2.31458
436928.39	3725780.51	2.30893	436923.26	3725772.42	2.30195
436918.12	3725764.32	2.29333	436912.99	3725756.23	2.28565
436841.13	3725642.91	2.13154	436835.99	3725634.81	2.11933
436830.86	3725626.72	2.10624	436825.73	3725618.63	2.09019
436820.60	3725610.53	2.07423	436815.46	3725602.44	2.05832
437051.58	3725974.77	2.32913	437058.97	3725981.05	2.34990
437066.36	3725987.33	2.37062	437073.75	3725993.61	2.39484
437081.14	3725999.89	2.41438	437088.53	3726006.17	2.43720
437095.92	3726012.45	2.46004	437103.31	3726018.73	2.47584
437110.69	3726025.01	2.47842	437118.08	3726031.29	2.47714
437125.47	3726037.57	2.47355	437132.86	3726043.85	2.46909
437020.50	3725997.08	2.11529	437015.32	3725988.92	2.11681
437010.14	3725980.75	2.12069	437004.96	3725972.59	2.12489
436999.79	3725964.42	2.12850	436994.61	3725956.26	2.13150
436989.43	3725948.09	2.13455	436984.25	3725939.92	2.13797
436979.07	3725931.76	2.14041	436973.89	3725923.59	2.14205
436968.72	3725915.43	2.14332	436963.54	3725907.26	2.14414
436958.36	3725899.10	2.14461	436953.18	3725890.93	2.14598
436948.00	3725882.77	2.14728	436942.82	3725874.60	2.14891
436937.65	3725866.43	2.15042	436932.47	3725858.27	2.14782
436927.29	3725850.10	2.14610	436922.11	3725841.94	2.14589
436916.93	3725833.77	2.14276	436911.76	3725825.61	2.13413
436906.58	3725817.44	2.12741	436901.40	3725809.28	2.12111
436896.22	3725801.11	2.11395	436891.04	3725792.94	2.10793
436885.86	3725784.78	2.10147	436880.69	3725776.61	2.09497
436875.51	3725768.45	2.08722	436870.33	3725760.28	2.07669
436865.15	3725752.12	2.06474	436808.19	3725662.30	1.95291
437025.68	3726005.25	2.11501	437033.07	3726011.53	2.12849
437040.46	3726017.81	2.14116	437047.84	3726024.09	2.15556
437055.23	3726030.37	2.17468	437062.62	3726036.65	2.19670
437070.01	3726042.93	2.21802	437077.40	3726049.21	2.23680
437084.79	3726055.49	2.25680	437092.18	3726061.77	2.27833
437099.57	3726068.05	2.29752	437106.96	3726074.33	2.31112
436994.64	3726027.64	1.95056	436989.52	3726019.55	1.95050
436984.39	3726011.47	1.95225	436979.26	3726003.38	1.95450
436974.13	3725995.29	1.95658	436969.00	3725987.20	1.95846
436963.87	3725979.12	1.96115	436958.74	3725971.03	1.96359

436953.61	3725962.94	1.96563	436948.49	3725954.85	1.96729
436943.36	3725946.77	1.96850	436938.23	3725938.68	1.96940

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436933.10	3725930.59	1.96997	436927.97	3725922.50	1.97031
436922.84	3725914.42	1.97088	436917.71	3725906.33	1.97129
436912.58	3725898.24	1.97234	436907.46	3725890.15	1.97339
436902.33	3725882.07	1.97346	436897.20	3725873.98	1.97408
436892.07	3725865.89	1.97574	436886.94	3725857.80	1.97438
436881.81	3725849.72	1.97221	436866.43	3725825.45	1.95696
436861.30	3725817.37	1.95068	436856.17	3725809.28	1.94435
436851.04	3725801.19	1.93691	436845.91	3725793.11	1.92974
436840.78	3725785.02	1.92299	436835.65	3725776.93	1.91585
436830.53	3725768.84	1.90798	436825.40	3725760.76	1.89948
436999.77	3726035.73	1.95322	437007.16	3726042.01	1.96744
437014.55	3726048.29	1.98382	437021.94	3726054.57	2.00374
437029.33	3726060.85	2.02438	437036.72	3726067.13	2.04448
437044.11	3726073.41	2.06132	437051.50	3726079.69	2.07273
437058.89	3726085.97	2.07820	437066.28	3726092.25	2.07971
437073.66	3726098.53	2.07369	437081.05	3726104.81	2.06474
436968.70	3726058.05	1.80686	436963.53	3726049.90	1.80600
436958.36	3726041.75	1.80663	436953.19	3726033.60	1.80740
436948.02	3726025.44	1.80768	436942.85	3726017.29	1.80770
436937.68	3726009.14	1.80888	436932.51	3726000.98	1.81028
436927.34	3725992.83	1.81174	436922.17	3725984.68	1.81355
436917.00	3725976.52	1.81609	436911.83	3725968.37	1.81831
436906.66	3725960.22	1.82011	436901.48	3725952.07	1.82120
436896.31	3725943.91	1.82190	436891.14	3725935.76	1.82240
436885.97	3725927.61	1.82254	436880.80	3725919.45	1.82232
436875.63	3725911.30	1.82221	436870.46	3725903.15	1.82196
436865.29	3725894.99	1.82222	436860.12	3725886.84	1.82260
436854.95	3725878.69	1.82174	436834.27	3725846.08	1.80990
436829.10	3725837.92	1.80580	436823.93	3725829.77	1.80065
436818.76	3725821.62	1.79482	436813.59	3725813.46	1.78872
436808.42	3725805.31	1.78220	436803.25	3725797.16	1.77466
436798.08	3725789.01	1.76731	436792.91	3725780.85	1.75986
436687.87	3725073.86	1.44356	436973.87	3726066.21	1.81032
436981.26	3726072.49	1.82494	436988.65	3726078.77	1.84223
436996.04	3726085.05	1.85866	437003.43	3726091.33	1.87380
437010.81	3726097.61	1.88718	437018.20	3726103.89	1.89869
437025.59	3726110.17	1.90249	437032.98	3726116.45	1.89961
437040.37	3726122.73	1.89336	437047.76	3726129.01	1.88738

437055.15	3726135.29	1.88137	436942.84	3726088.60	1.67599
436937.71	3726080.52	1.67584	436932.59	3726072.44	1.67633

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436927.46	3726064.36	1.67562	436922.34	3726056.28	1.67447
436917.21	3726048.20	1.67412	436912.09	3726040.11	1.67480
436906.96	3726032.03	1.67559	436901.84	3726023.95	1.67617
436896.71	3726015.87	1.67692	436891.59	3726007.79	1.67935
436886.46	3725999.71	1.68139	436881.34	3725991.62	1.68317
436876.21	3725983.54	1.68457	436871.09	3725975.46	1.68566
436865.96	3725967.38	1.68671	436860.84	3725959.30	1.68818
436855.71	3725951.21	1.68982	436850.59	3725943.13	1.69110
436845.46	3725935.05	1.69145	436840.34	3725926.97	1.69137
436835.21	3725918.89	1.69056	436830.09	3725910.81	1.68939
436804.46	3725870.40	1.67824	436799.34	3725862.32	1.67467
436794.21	3725854.23	1.67080	436789.09	3725846.15	1.66662
436783.96	3725838.07	1.66210	436778.84	3725829.99	1.65671
436773.71	3725821.91	1.65083	436768.59	3725813.82	1.64478
436763.46	3725805.74	1.63868	436947.97	3726096.69	1.67797
436955.35	3726102.97	1.69078	436962.74	3726109.25	1.70135
436970.13	3726115.53	1.70815	436977.52	3726121.81	1.71432
436984.91	3726128.09	1.71978	436992.30	3726134.37	1.72366
436999.69	3726140.65	1.72447	437007.08	3726146.93	1.72328
437014.47	3726153.21	1.72284	437021.86	3726159.49	1.72279
437029.25	3726165.77	1.72328	437520.06	3725611.33	40.57617
437507.55	3725626.93	28.25993	437495.04	3725642.54	21.76689
437470.46	3725661.28	16.38185	437482.10	3725670.61	16.11901
437451.70	3725684.69	13.15834	437463.34	3725694.02	12.97748
437432.93	3725708.10	11.05551	437444.57	3725717.43	10.93047
437425.81	3725740.84	9.42035	437407.05	3725764.25	8.17899
437357.88	3725801.73	6.28454	437335.13	3725821.85	5.59311
437344.94	3725829.81	5.59450	437316.14	3725845.07	5.02444
437326.17	3725853.21	5.03125	437271.84	3725899.26	4.07434
437282.39	3725907.83	4.09090	437246.53	3725930.23	3.67713
437257.38	3725939.05	3.69478	437221.22	3725961.20	3.34054
437232.36	3725970.26	3.36215	437195.91	3725992.17	3.00082
437207.34	3726001.47	3.01640	437172.07	3726024.35	2.64377
437182.33	3726032.68	2.66516	437146.83	3726055.38	2.47646
437157.31	3726063.89	2.47697	437121.59	3726086.41	2.32649
437132.29	3726095.10	2.33869	437096.35	3726117.44	2.07253
437107.27	3726126.31	2.07774	437071.11	3726148.47	1.87810
437082.26	3726157.52	1.87834	437045.88	3726179.49	1.72561

437057.24	3726188.73	1.72780	437676.44	3725481.96	11.53376
437598.06	3725572.83	40.61554	437532.24	3725621.70	38.09866

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437545.81	3725633.41	36.04098	437519.18	3725636.85	26.98662
437525.96	3725642.70	26.34687	437493.30	3725680.56	15.81042
437500.09	3725686.41	15.66570	437473.71	3725703.28	12.80103
437480.49	3725709.13	12.72293	437454.11	3725726.00	10.79694
437434.52	3725748.71	9.32294	437414.93	3725771.43	8.13030
437395.33	3725794.15	7.10146	437356.14	3725839.58	5.58591
437362.93	3725845.43	5.58418	437336.55	3725862.30	5.02721
437343.33	3725868.15	5.02507	437290.83	3725915.30	4.09797
437297.61	3725921.15	4.10389	437264.70	3725945.59	3.70500
437271.48	3725951.44	3.71532	437245.36	3725981.73	3.37880
437219.23	3726012.02	3.02161	437193.11	3726042.31	2.67165
437166.98	3726072.60	2.46302	437140.85	3726102.89	2.34611
437114.73	3726133.18	2.07815	437719.82	3725444.76	8.94961
437728.16	3725437.23	8.55675	437738.00	3725425.67	8.05460
437726.30	3725451.82	8.95136	437712.30	3725454.87	9.40766
437735.78	3725443.71	8.51167	437745.62	3725432.15	8.00965
437733.34	3725458.59	8.93497	437723.07	3725463.82	9.35010
437712.46	3725464.64	9.67451	437701.51	3725461.05	9.89336
437743.39	3725450.20	8.47131	437753.23	3725438.64	7.96847
437740.61	3725465.25	8.91168	437729.66	3725470.83	9.35794
437712.86	3725474.49	9.95786	437701.18	3725470.66	10.20528
437751.01	3725456.68	8.43356	437760.85	3725445.12	7.92967
437748.00	3725471.85	8.88444	437736.59	3725477.66	9.35268
437725.18	3725483.47	9.86706	437713.39	3725484.38	10.27187
437701.22	3725480.39	10.54231	437758.62	3725463.16	8.39818
437755.45	3725478.41	8.85570	437743.71	3725484.39	9.34298
437731.98	3725490.37	9.87816	437713.98	3725494.30	10.61530
437701.47	3725490.19	10.91252	437688.96	3725486.07	11.21931
437766.24	3725469.64	8.36374	437762.94	3725484.96	8.82777
437750.96	3725491.06	9.32669	437738.98	3725497.17	9.87805
437727.00	3725503.27	10.49374	437714.62	3725504.22	10.98711
437701.85	3725500.03	11.31561	437689.07	3725495.83	11.65675
437676.30	3725491.63	12.00315	437773.85	3725476.12	8.33098
437770.46	3725491.49	8.79803	437758.29	3725497.69	9.30483
437746.12	3725503.89	9.86762	437733.95	3725510.09	10.51138
437715.29	3725514.16	11.42117	437702.31	3725509.90	11.76979
437689.33	3725505.63	12.13760	437676.36	3725501.37	12.52262
437781.47	3725482.60	8.30205	437791.31	3725471.04	7.80495

437778.00	3725498.01	8.77418	437765.68	3725504.29	9.27715
437753.36	3725510.57	9.85986	437741.03	3725516.84	10.52515

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437728.71	3725523.12	11.28946	437715.98	3725524.11	11.90467
437702.84	3725519.79	12.29159	437689.70	3725515.47	12.69563
437676.56	3725511.16	13.11280	437789.08	3725489.09	8.27478
437798.92	3725477.53	7.77745	437785.55	3725504.52	8.75051
437773.11	3725510.86	9.26088	437760.66	3725517.21	9.85027
437748.21	3725523.55	10.52902	437735.76	3725529.89	11.31132
437716.68	3725534.05	12.43780	437703.41	3725529.69	12.87037
437690.13	3725525.33	13.32046	437676.86	3725520.97	13.78553
437663.59	3725516.61	14.26250	437796.70	3725495.57	8.24801
437806.54	3725484.01	7.75050	437800.69	3725517.53	8.71130
437788.05	3725523.97	9.23913	437775.41	3725530.41	9.82535
437762.77	3725536.85	10.50951	437750.13	3725543.29	11.33373
437737.49	3725549.73	12.29196	437718.11	3725553.96	13.66005
437704.64	3725549.53	14.20481	437691.16	3725545.11	14.79730
437677.68	3725540.68	15.40450	437664.21	3725536.25	16.02364
437650.73	3725531.82	16.66383	437811.93	3725508.53	8.19783
437821.77	3725496.97	7.69944	437815.85	3725530.53	8.67253
437803.07	3725537.04	9.20588	437790.29	3725543.56	9.81259
437777.51	3725550.07	10.51516	437764.73	3725556.58	11.34448
437751.95	3725563.09	12.33018	437739.17	3725569.60	13.50039
437719.58	3725573.88	15.20870	437705.95	3725569.40	15.87810
437692.32	3725564.92	16.66670	437678.70	3725560.45	17.51420
437665.07	3725555.97	18.36342	437651.44	3725551.49	19.25629
437637.82	3725547.02	20.20938	437827.16	3725521.50	8.15333
437837.00	3725509.94	7.65170	437779.48	3725569.79	11.33955
437766.59	3725576.36	12.34298	437753.70	3725582.92	13.53797
437740.81	3725589.49	14.99196	437721.06	3725593.80	17.23903
437707.31	3725589.29	18.16019	437693.57	3725584.77	19.19593
437679.83	3725580.26	20.35207	437666.09	3725575.74	21.61069
437652.35	3725571.23	22.95636	437638.61	3725566.71	24.44854
437624.87	3725562.20	26.07236	437846.21	3725556.51	8.60413
437833.24	3725563.12	9.16386	437820.27	3725569.73	9.78581
437755.41	3725602.78	15.04452	437742.44	3725609.39	16.91735
437722.55	3725613.73	19.93903	437708.72	3725609.18	21.23794
437694.88	3725604.64	22.71131	437681.05	3725600.09	24.37445
437667.22	3725595.55	26.37457	437653.39	3725591.01	28.66644
437639.56	3725586.46	31.21443	437625.73	3725581.92	34.13915
437611.89	3725577.37	37.33412	437857.62	3725547.42	8.06782

437867.46	3725535.86	7.55530	437861.41	3725569.49	8.56914
437848.37	3725576.13	9.14711	437809.24	3725596.07	11.33571

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437796.20	3725602.71	12.35028	437724.05	3725633.65	23.72632
437710.14	3725629.09	25.64211	437696.24	3725624.52	27.91443
437682.33	3725619.95	30.67220	437668.43	3725615.38	34.14382
437654.52	3725610.81	38.42491	437640.62	3725606.25	43.61433
437626.71	3725601.68	50.17605	437612.81	3725597.11	58.70438
437598.90	3725592.54	69.42498	437872.85	3725560.39	8.02285
437882.69	3725548.83	7.50573	437824.22	3725609.16	11.37911
437811.12	3725615.84	12.41184	437798.02	3725622.51	13.65523
437784.93	3725629.18	15.17206	437771.83	3725635.86	17.09075
437758.73	3725642.53	19.62744	437711.59	3725649.00	32.67052
437697.62	3725644.41	36.67101	437683.66	3725639.82	41.87072
437669.69	3725635.23	49.06713	437655.73	3725630.65	59.32077
437888.08	3725573.35	7.97469	437897.92	3725561.79	7.45758
437891.81	3725595.44	8.46904	437878.67	3725602.14	9.06903
437865.52	3725608.84	9.75083	437812.94	3725635.63	13.67523
437799.80	3725642.33	15.19548	437786.65	3725649.03	17.14983
437773.51	3725655.73	19.74225	437760.36	3725662.42	23.27393
437747.22	3725669.12	28.50502	437699.03	3725664.31	54.11037
437903.31	3725586.31	7.92644	437913.15	3725574.75	7.40493
437907.02	3725608.42	8.42782	437893.84	3725615.14	9.02269
437880.65	3725621.85	9.70199	437854.28	3725635.29	11.36703
437841.10	3725642.01	12.40957	437827.91	3725648.73	13.65079
437775.17	3725675.60	23.33163	437761.98	3725682.32	28.64324
437748.80	3725689.04	37.44489	437587.99	3725647.26	47.90611
437573.93	3725642.65	42.82631	437559.87	3725638.03	39.09574
437918.54	3725599.28	7.87659	437928.38	3725587.72	7.35474
437922.24	3725621.39	8.37442	437909.01	3725628.13	8.97069
437895.79	3725634.86	9.64969	437869.35	3725648.34	11.32567
437856.13	3725655.07	12.38313	437842.91	3725661.81	13.63222
437829.69	3725668.55	15.17259	437816.47	3725675.28	17.15509
437776.81	3725695.49	28.69697	437763.59	3725702.23	37.59595
437750.37	3725708.97	54.97615	437589.13	3725667.08	33.98376
437575.04	3725662.45	31.44316	437560.94	3725657.81	29.44442
437546.84	3725653.18	27.54654	437933.77	3725612.24	7.82468
437943.61	3725600.68	7.30381	437937.45	3725634.36	8.31950
437924.20	3725641.11	8.90483	437910.95	3725647.87	9.57463
437884.45	3725661.37	11.26278	437871.20	3725668.12	12.31851
437857.94	3725674.87	13.57765	437844.69	3725681.63	15.13377

437831.44	3725688.38	17.10911	437791.69	3725708.63	28.51769
437778.44	3725715.39	37.64206	437562.07	3725677.62	23.63320

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437547.94	3725672.98	22.42058	437533.81	3725668.34	21.27762
437949.00	3725625.21	7.77107	437958.84	3725613.65	7.25311
437960.27	3725653.82	8.23246	437946.98	3725660.59	8.82127
437933.69	3725667.36	9.48412	437907.12	3725680.90	11.14559
437893.83	3725687.68	12.20724	437880.54	3725694.45	13.49217
437867.25	3725701.22	15.06283	437853.96	3725707.99	17.02424
437814.09	3725728.31	28.28532	437800.80	3725735.08	37.29044
437521.34	3725693.40	16.42984	437971.84	3725644.65	7.68520
437981.68	3725633.09	7.16962	437983.10	3725673.27	8.13145
437969.78	3725680.06	8.71813	437956.46	3725686.85	9.39062
437929.81	3725700.42	11.07324	437916.49	3725707.21	12.14788
437903.17	3725714.00	13.44744	437889.85	3725720.79	15.04116
437876.52	3725727.58	17.04793	437836.55	3725747.95	28.43501
437823.23	3725754.73	37.40381	437494.70	3725713.80	13.06704
437994.68	3725664.10	7.59209	438004.52	3725652.54	7.08665
438005.93	3725692.72	8.02214	437992.58	3725699.53	8.60880
437979.23	3725706.33	9.27989	437952.53	3725719.93	10.97699
437939.18	3725726.74	12.06124	437925.83	3725733.54	13.37676
437912.48	3725740.34	14.99607	437899.13	3725747.14	17.03195
437859.08	3725767.55	28.75378	437845.73	3725774.36	37.99774
437468.02	3725734.19	10.81614	438017.53	3725683.54	7.48767
438027.37	3725671.98	6.99219	437975.27	3725739.43	10.84948
437961.90	3725746.25	11.92766	437948.52	3725753.06	13.23943
437935.15	3725759.88	14.86881	437921.77	3725766.69	16.91686
437881.65	3725787.14	28.97486	437868.28	3725793.95	38.31037
437484.09	3725768.62	9.66371	437469.83	3725763.93	9.49838
437455.57	3725759.25	9.39483	438040.37	3725702.99	7.37164
438050.21	3725691.43	6.88715	438051.60	3725731.63	7.77373
438038.21	3725738.45	8.35888	437998.02	3725758.93	10.71907
437984.63	3725765.75	11.80759	437971.23	3725772.58	13.12210
437957.84	3725779.40	14.74052	437944.44	3725786.23	16.79360
437904.26	3725806.71	28.86534	437890.86	3725813.53	38.32190
437500.27	3725803.09	8.65624	437485.98	3725798.40	8.54172
437471.70	3725793.70	8.42345	437457.42	3725789.01	8.39234
437443.13	3725784.32	8.31130	437428.85	3725779.63	8.18360
438063.22	3725722.43	7.24573	438073.06	3725710.87	6.76985
438020.78	3725778.41	10.57278	438007.37	3725785.25	11.66019
437993.96	3725792.08	12.97264	437980.54	3725798.92	14.59335

437967.13	3725805.75	16.64695	437953.72	3725812.59	19.34888
437940.30	3725819.42	23.08122	437926.89	3725826.26	28.62785

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437913.48	3725833.09	37.92438	437530.84	3725842.28	7.88876
437502.23	3725832.89	7.67146	437487.93	3725828.19	7.62389
437473.63	3725823.49	7.56874	437459.32	3725818.79	7.55151
437445.02	3725814.09	7.52337	437430.72	3725809.39	7.42220
437416.42	3725804.70	7.26467	438097.27	3725770.53	7.48433
438083.84	3725777.37	8.06491	437976.41	3725832.11	19.15208
437962.98	3725838.96	22.88156	437949.55	3725845.80	28.41837
437936.12	3725852.64	37.67597	437547.19	3725876.81	6.91577
437532.87	3725872.11	6.84416	437518.56	3725867.40	6.83155
437504.24	3725862.70	6.82374	437489.92	3725858.00	6.85111
437461.28	3725848.59	6.85989	437446.96	3725843.88	6.84217
437432.64	3725839.18	6.78799	437418.32	3725834.47	6.65805
437404.00	3725829.77	6.49364	438108.91	3725761.32	6.96509
438118.75	3725749.76	6.49982	438120.11	3725789.97	7.31155
438106.67	3725796.82	7.88822	438093.22	3725803.67	8.54988
438079.78	3725810.53	9.32024	438066.33	3725817.38	10.21893
438052.89	3725824.23	11.28124	438039.45	3725831.08	12.57159
438026.00	3725837.93	14.17521	437606.62	3725925.49	6.43683
437592.28	3725920.78	6.25878	437577.95	3725916.07	6.20052
437549.28	3725906.65	6.10951	437534.94	3725901.94	6.04097
437520.61	3725897.23	6.02995	437506.27	3725892.52	6.07236
437491.94	3725887.81	6.16128	437477.60	3725883.10	6.25261
437463.27	3725878.40	6.29435	437448.93	3725873.69	6.27994
437420.27	3725864.27	6.14454	437405.93	3725859.56	6.00415
437391.60	3725854.85	5.84805	438131.75	3725780.77	6.79788
438141.59	3725769.21	6.34137	438142.95	3725809.42	7.11641
438129.49	3725816.28	7.69136	438116.03	3725823.14	8.34122
438102.58	3725829.99	9.08858	438089.12	3725836.85	9.97233
438075.66	3725843.71	11.03273	438062.21	3725850.56	12.31321
438048.75	3725857.42	13.89651	438035.30	3725864.28	15.90726
438021.84	3725871.14	18.55917	438008.38	3725877.99	22.23294
437994.93	3725884.85	27.70735	437623.13	3725960.06	6.31666
437608.78	3725955.35	6.08224	437594.43	3725950.64	5.89177
437580.08	3725945.92	5.75925	437565.73	3725941.21	5.67680
437551.38	3725936.50	5.62365	437508.34	3725922.36	5.61130
437493.99	3725917.64	5.66759	437479.64	3725912.93	5.74272
437465.29	3725908.21	5.80576	437450.94	3725903.50	5.80981
437436.60	3725898.79	5.76830	437422.25	3725894.07	5.69779

437407.90	3725889.36	5.57656	437364.85	3725875.22	5.18298
438154.60	3725800.21	6.61042	438164.44	3725788.65	6.16659

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438165.79	3725828.87	6.89831	438152.32	3725835.73	7.45847
438138.85	3725842.60	8.10588	438125.38	3725849.46	8.84932
438111.91	3725856.32	9.71907	438098.45	3725863.19	10.75744
438084.98	3725870.05	12.01740	438071.51	3725876.91	13.57167
438058.04	3725883.77	15.54277	438044.57	3725890.64	18.13686
438031.10	3725897.50	21.72773	438017.64	3725904.36	27.07408
438004.17	3725911.23	35.97486	437610.95	3725985.22	5.81712
437596.59	3725980.50	5.60645	437582.23	3725975.78	5.43460
437567.87	3725971.07	5.30161	437553.51	3725966.35	5.22738
437539.15	3725961.63	5.20610	437524.79	3725956.91	5.20879
437510.43	3725952.20	5.27946	437467.35	3725938.04	5.40010
437452.98	3725933.32	5.40979	437438.62	3725928.61	5.36518
437424.26	3725923.89	5.29600	437409.90	3725919.17	5.17670
437381.18	3725909.74	4.96305	437366.82	3725905.02	4.86314
437352.46	3725900.30	4.76270	438177.44	3725819.66	6.40950
438187.28	3725808.10	5.98038	438196.24	3725854.80	6.57851
438182.76	3725861.67	7.12333	438169.27	3725868.54	7.75314
438155.79	3725875.41	8.48004	438142.31	3725882.28	9.32734
438128.83	3725889.15	10.33909	438115.35	3725896.02	11.56759
438101.86	3725902.89	13.07953	438088.38	3725909.76	15.00163
438074.90	3725916.63	17.54739	438061.42	3725923.50	21.04770
438047.94	3725930.37	26.29458	438034.46	3725937.24	35.10500
438020.97	3725944.11	52.81099	437556.37	3726006.16	4.75768
437541.99	3726001.44	4.77907	437527.62	3725996.71	4.80678
437513.24	3725991.99	4.85986	437498.87	3725987.27	4.89482
437484.49	3725982.55	4.94985	437470.12	3725977.82	4.97272
437455.74	3725973.10	4.95156	437398.24	3725954.21	4.66150
437383.86	3725949.49	4.57534	437369.49	3725944.77	4.49721
437311.99	3725925.88	4.17701	438207.90	3725845.59	6.10599
438217.74	3725834.03	5.69597	438226.69	3725880.73	6.20820
438213.20	3725887.61	6.73035	438199.70	3725894.49	7.32738
438186.21	3725901.36	8.02532	438172.72	3725908.24	8.85819
438159.22	3725915.11	9.85111	438145.73	3725921.99	11.05101
438132.23	3725928.87	12.52664	438118.74	3725935.74	14.40557
438105.24	3725942.62	16.91004	438091.75	3725949.49	20.42469
438078.26	3725956.37	25.70562	438064.76	3725963.25	34.49653
438051.27	3725970.12	52.14382	437501.70	3726027.07	4.49381
437487.31	3726022.35	4.53706	437472.92	3726017.62	4.56399

437458.54	3726012.89	4.54220	437444.15	3726008.16	4.49218
437415.37	3725998.71	4.37517	437400.98	3725993.98	4.31513

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437386.59	3725989.26	4.25465	437372.20	3725984.53	4.19112
437329.04	3725970.35	3.99239	437314.65	3725965.62	3.92556
437300.26	3725960.90	3.85439	437285.87	3725956.17	3.78184
438238.36	3725871.51	5.76134	438248.20	3725859.95	5.38106
438257.15	3725906.66	5.77739	438243.64	3725913.54	6.26400
438230.14	3725920.43	6.83306	438216.63	3725927.31	7.50050
438203.13	3725934.19	8.29073	438189.62	3725941.07	9.23825
438176.12	3725947.95	10.38805	438162.61	3725954.83	11.80666
438149.11	3725961.72	13.67285	438135.60	3725968.60	16.17098
438122.10	3725975.48	19.68876	438108.59	3725982.36	24.98816
438095.09	3725989.24	33.68619	438081.58	3725996.12	51.03902
437518.96	3726071.61	4.02933	437504.56	3726066.88	4.10763
437418.16	3726038.50	4.02575	437403.76	3726033.77	3.97306
437389.36	3726029.04	3.92224	437346.16	3726014.85	3.77148
437331.76	3726010.12	3.71829	437317.36	3726005.38	3.66395
437302.96	3726000.65	3.60793	437288.56	3725995.92	3.55026
437274.16	3725991.19	3.49282	437259.76	3725986.46	3.43492
438268.82	3725897.44	5.36975	438278.66	3725885.88	5.02703
438287.60	3725932.59	5.30365	438274.09	3725939.48	5.74348
438260.57	3725946.37	6.25299	438247.06	3725953.25	6.85289
438233.54	3725960.14	7.58097	438220.03	3725967.03	8.47172
438206.51	3725973.91	9.57046	438193.00	3725980.80	10.95355
438179.48	3725987.69	12.76668	438165.97	3725994.57	15.19459
438152.45	3726001.46	18.61019	438138.94	3726008.35	23.70786
438125.42	3726015.23	32.13416	438111.91	3726022.12	49.23890
437493.03	3726101.97	3.79637	437478.62	3726097.23	3.77884
437464.21	3726092.50	3.75960	437449.80	3726087.77	3.72264
437435.39	3726083.03	3.68437	437363.34	3726059.36	3.45685
437348.93	3726054.63	3.42204	437334.52	3726049.89	3.38017
437320.11	3726045.16	3.33748	437305.70	3726040.42	3.30427
437291.28	3726035.69	3.26952	437276.87	3726030.96	3.22627
437262.46	3726026.22	3.18158	437248.05	3726021.49	3.13049
437233.64	3726016.75	3.07707	438299.28	3725923.37	4.93787
438309.12	3725911.81	4.63557	438304.53	3725965.41	5.16647
438291.01	3725972.30	5.60921	438277.48	3725979.20	6.11748
438263.96	3725986.09	6.73988	438250.44	3725992.98	7.51020
438236.91	3725999.87	8.48852	438223.39	3726006.76	9.74703
438209.87	3726013.65	11.39593	438196.34	3726020.54	13.64579

438182.82	3726027.43	16.89774	438169.30	3726034.32	21.92219
438155.77	3726041.21	30.46025	438142.25	3726048.11	47.79682

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
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L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437452.66	3726127.58	3.32328	437438.24	3726122.84	3.28035
437423.82	3726118.10	3.24678	437409.40	3726113.37	3.22166
437366.14	3726099.16	3.06373	437351.72	3726094.42	3.03768
437337.31	3726089.68	3.01048	437322.89	3726084.94	2.98240
437308.47	3726080.21	2.95378	437294.05	3726075.47	2.92476
437279.63	3726070.73	2.89616	437265.21	3726066.00	2.86655
437250.79	3726061.26	2.84033	437236.37	3726056.52	2.80593
437221.95	3726051.78	2.76198	437207.53	3726047.05	2.71641
438241.60	3726038.93	9.29784	438228.22	3726045.75	11.02336
438214.85	3726052.56	13.51919	438201.47	3726059.38	17.42693
438188.10	3726066.19	24.36382	438174.72	3726073.01	38.92344
437388.02	3726145.21	2.66678	437359.50	3726135.84	2.62312
437345.24	3726131.16	2.63092	437330.98	3726126.47	2.64428
437316.72	3726121.79	2.64043	437302.46	3726117.10	2.62053
437288.20	3726112.42	2.59000	437273.93	3726107.73	2.58649
437259.67	3726103.05	2.58880	437245.41	3726098.36	2.58979
437231.15	3726093.68	2.58263	437216.89	3726089.00	2.55704
437202.63	3726084.31	2.51867	437188.37	3726079.63	2.49535
437347.85	3726170.89	2.44683	437333.58	3726166.20	2.45922
437319.30	3726161.51	2.48930	437305.02	3726156.82	2.49740
437290.75	3726152.13	2.49865	437276.47	3726147.44	2.51394
437262.20	3726142.75	2.51489	437247.92	3726138.06	2.50095
437233.65	3726133.37	2.48813	437219.37	3726128.68	2.47328
437205.09	3726123.99	2.45331	437190.82	3726119.30	2.44050
437176.54	3726114.61	2.42606	437162.27	3726109.92	2.40102
437336.21	3726205.94	2.48542	437321.93	3726201.24	2.45111
437307.64	3726196.55	2.43544	437293.35	3726191.86	2.42386
437279.06	3726187.16	2.42986	437264.77	3726182.47	2.44028
437250.48	3726177.77	2.44437	437236.19	3726173.08	2.42832
437221.90	3726168.38	2.40323	437207.61	3726163.69	2.36939
437193.32	3726159.00	2.33238	437179.03	3726154.30	2.29790
437164.74	3726149.61	2.25336	437150.45	3726144.91	2.19396
437136.16	3726140.22	2.12979	437396.10	3726264.48	2.56429
437324.59	3726240.99	2.44511	437310.29	3726236.29	2.39789
437295.98	3726231.59	2.34625	437281.68	3726226.89	2.30578
437267.38	3726222.20	2.29017	437253.08	3726217.50	2.30287
437238.77	3726212.80	2.29854	437224.47	3726208.10	2.23753
437210.17	3726203.40	2.18502	437195.87	3726198.70	2.14031

437181.57	3726194.01	2.10952	437167.26	3726189.31	2.07943
437152.96	3726184.61	2.04067	437138.66	3726179.91	1.99956

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
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L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437124.36	3726175.21	1.95604	437110.05	3726170.51	1.91577
437095.75	3726165.81	1.88833	437413.16	3726308.96	2.42695
437398.85	3726304.26	2.41680	437384.54	3726299.56	2.36507
437370.22	3726294.85	2.32554	437355.91	3726290.15	2.30630
437341.60	3726285.45	2.29444	437327.28	3726280.75	2.27978
437312.97	3726276.04	2.27207	437298.65	3726271.34	2.26725
437284.34	3726266.64	2.24258	437270.03	3726261.94	2.21382
437255.71	3726257.24	2.18503	437241.40	3726252.53	2.16906
437227.08	3726247.83	2.15344	437212.77	3726243.13	2.09909
437198.46	3726238.43	2.02454	437184.14	3726233.72	1.97350
437169.83	3726229.02	1.92967	437155.52	3726224.32	1.89538
437141.20	3726219.62	1.86845	437126.89	3726214.91	1.84349
437112.57	3726210.21	1.81845	437098.26	3726205.51	1.79201
437083.95	3726200.81	1.76558	437069.63	3726196.11	1.73981
437743.55	3725409.23	7.58770	437750.64	3725402.77	7.30423
437753.68	3725416.69	7.49750	437757.44	3725395.75	7.02601
437762.63	3725405.96	7.09603	437763.45	3725416.51	7.27622
437759.92	3725427.41	7.57409	437764.13	3725388.50	6.75302
437769.66	3725399.39	6.82655	437773.30	3725416.10	7.05763
437769.54	3725427.72	7.36356	437770.75	3725381.14	6.48664
437776.51	3725392.49	6.56725	437782.28	3725403.83	6.65230
437783.20	3725415.56	6.84479	437777.35	3725373.71	6.23760
437783.27	3725385.38	6.31601	437789.20	3725397.05	6.40126
437785.04	3725439.85	7.27206	437783.92	3725366.25	6.00182
437789.97	3725378.16	6.07850	437796.02	3725390.07	6.15741
437798.92	3725427.01	6.74362	437794.79	3725439.72	7.06548
437790.48	3725358.75	5.77941	437796.63	3725370.85	5.85358
437802.77	3725382.96	5.92468	437812.97	3725413.62	6.24652
437808.79	3725426.53	6.54670	437804.60	3725439.44	6.86302
437800.41	3725452.35	7.20329	437797.03	3725351.24	5.58080
437803.26	3725363.49	5.64270	437809.48	3725375.75	5.71036
437821.92	3725400.25	5.87002	437822.92	3725412.92	6.05968
437818.68	3725425.99	6.35546	437814.44	3725439.06	6.66563
437810.20	3725452.14	6.99844	437805.96	3725465.21	7.35572
437803.58	3725343.71	5.39660	437809.86	3725356.09	5.44673
437816.15	3725368.47	5.50971	437828.72	3725393.22	5.64650
437832.86	3725412.20	5.87892	437828.58	3725425.41	6.16954
437824.30	3725438.61	6.47360	437820.02	3725451.82	6.79867

437815.74	3725465.02	7.14700	437816.65	3725328.63	5.05417
437823.03	3725341.20	5.09972	437829.41	3725353.76	5.14946

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437842.18	3725378.90	5.24224	437848.56	3725391.47	5.30996
437852.77	3725410.74	5.53576	437848.42	3725424.15	5.81367
437844.08	3725437.56	6.10483	437831.04	3725477.78	7.09484
437829.71	3725313.52	4.76190	437836.16	3725326.23	4.80300
437842.62	3725338.94	4.84244	437855.52	3725364.35	4.89252
437861.98	3725377.06	4.93979	437868.43	3725389.77	4.99564
437872.68	3725409.25	5.21433	437859.50	3725449.93	6.04855
437855.10	3725463.48	6.35808	437850.71	3725477.04	6.68780
437846.31	3725490.60	7.03829	437842.76	3725298.40	4.54439
437849.27	3725311.21	4.57769	437855.78	3725324.03	4.60826
437868.79	3725349.65	4.62965	437875.30	3725362.47	4.64919
437881.81	3725375.28	4.67338	437888.31	3725388.10	4.69090
437888.17	3725421.42	5.16603	437879.31	3725448.76	5.70602
437874.88	3725462.43	5.99700	437855.81	3725283.26	4.33826
437862.36	3725296.16	4.37360	437868.91	3725309.06	4.39729
437882.01	3725334.86	4.43698	437888.56	3725347.76	4.43806
437895.11	3725360.65	4.45987	437901.66	3725373.55	4.49217
437912.53	3725406.23	4.65278	437908.07	3725419.99	4.86039
437903.61	3725433.75	5.11086	437881.30	3725502.56	6.57624
437876.84	3725516.32	6.93011	437868.85	3725268.12	4.13934
437875.43	3725281.09	4.16775	437882.02	3725294.05	4.19452
437895.19	3725319.99	4.25022	437901.77	3725332.95	4.27562
437908.36	3725345.92	4.29835	437914.94	3725358.89	4.32596
437928.11	3725384.82	4.36677	437932.46	3725404.70	4.48352
437927.97	3725418.54	4.62460	437923.49	3725432.37	4.81752
437919.00	3725446.21	5.03584	437910.03	3725473.88	5.59345
437905.55	3725487.71	5.87923	437901.06	3725501.54	6.18393
437896.58	3725515.38	6.51283	437892.09	3725529.21	6.86890
437881.89	3725252.97	3.94943	437888.50	3725265.99	3.98197
437895.12	3725279.02	4.00644	437908.34	3725305.06	4.06117
437914.96	3725318.09	4.09187	437921.57	3725331.11	4.12159
437928.18	3725344.13	4.14832	437941.41	3725370.18	4.20212
437948.02	3725383.20	4.23323	437952.39	3725403.17	4.34150
437947.88	3725417.07	4.47002	437943.38	3725430.96	4.63972
437938.87	3725444.86	4.82622	437934.37	3725458.75	5.03156
437925.36	3725486.54	5.52699	437920.85	3725500.43	5.80772
437916.35	3725514.33	6.11411	437911.85	3725528.22	6.44520
437894.93	3725237.82	3.77320	437901.56	3725250.89	3.80138

437908.20	3725263.96	3.83065	437921.48	3725290.10	3.88112
437928.11	3725303.17	3.90873	437934.75	3725316.24	3.93779

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437941.39	3725329.31	3.96721	437954.66	3725355.45	4.02198
437961.30	3725368.52	4.05574	437967.94	3725381.59	4.09692
437972.32	3725401.64	4.20559	437967.80	3725415.58	4.33483
437963.27	3725429.53	4.47884	437958.75	3725443.47	4.63659
437954.23	3725457.41	4.79964	437949.71	3725471.36	4.97375
437940.67	3725499.25	5.45159	437936.15	3725513.19	5.73764
437931.63	3725527.14	6.04985	437907.96	3725222.66	3.60328
437914.62	3725235.77	3.62840	437921.28	3725248.88	3.65524
437934.59	3725275.10	3.70698	437941.25	3725288.21	3.73400
437947.91	3725301.32	3.76245	437954.57	3725314.43	3.78802
437967.88	3725340.66	3.84054	437974.54	3725353.77	3.87054
437981.20	3725366.88	3.90785	437987.86	3725379.99	3.94533
437992.25	3725400.09	4.04692	437987.71	3725414.08	4.18081
437983.18	3725428.07	4.31740	437978.64	3725442.06	4.46154
437974.11	3725456.05	4.60503	437969.57	3725470.03	4.75257
437965.04	3725484.02	4.92641	437955.97	3725512.00	5.38265
437951.44	3725525.99	5.68078	437946.90	3725539.97	5.99581
437927.67	3725220.64	3.45925	437934.35	3725233.79	3.48382
437947.70	3725260.08	3.53455	437954.37	3725273.23	3.56099
437961.05	3725286.37	3.58819	437967.72	3725299.52	3.61556
437981.08	3725325.81	3.66607	437987.75	3725338.96	3.69479
437994.43	3725352.10	3.72462	438001.10	3725365.25	3.75657
438007.78	3725378.39	3.78844	438012.18	3725398.55	3.88480
438007.63	3725412.58	4.01579	438003.09	3725426.60	4.14505
437998.54	3725440.63	4.27802	437993.99	3725454.65	4.41494
437989.45	3725468.68	4.55205	437984.90	3725482.70	4.69658
437980.35	3725496.73	4.86817	437971.26	3725524.78	5.32327
437966.71	3725538.80	5.61161	437962.17	3725552.83	5.92932
437912.05	3725196.12	3.43712	437959.85	3725243.19	3.36785
437972.81	3725268.72	3.41649	437979.30	3725281.48	3.44156
437992.26	3725307.01	3.49277	437998.74	3725319.77	3.51956
438005.22	3725332.54	3.54714	438011.71	3725345.30	3.57393
438018.19	3725358.07	3.60159	438024.67	3725370.83	3.62991
438031.15	3725383.59	3.65911	438032.19	3725396.79	3.72775
438027.77	3725410.40	3.84223	438023.36	3725424.02	3.96316
438018.94	3725437.64	4.08720	438014.53	3725451.26	4.21399
438010.11	3725464.88	4.34151	438005.70	3725478.49	4.47124
438001.28	3725492.11	4.61346	437996.87	3725505.73	4.76711

437988.04	3725532.97	5.16766	437983.62	3725546.58	5.43797
437979.21	3725560.20	5.74502	437974.79	3725573.82	6.07795

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437965.96	3725601.06	6.81194	438005.63	3725272.10	3.23332
438012.15	3725284.93	3.25700	438018.67	3725297.77	3.28117
438025.19	3725310.61	3.30582	438031.71	3725323.45	3.33097
438038.23	3725336.28	3.35654	438044.74	3725349.12	3.38274
438051.26	3725361.96	3.40902	438057.78	3725374.80	3.43481
438062.08	3725394.48	3.51084	438057.64	3725408.18	3.61560
438053.20	3725421.87	3.72465	438048.76	3725435.57	3.83891
438044.32	3725449.26	3.95919	438039.88	3725462.96	4.08643
438035.44	3725476.66	4.21613	438031.00	3725490.35	4.34257
438026.56	3725504.05	4.46665	438022.12	3725517.74	4.61787
438008.80	3725558.83	5.22583	438004.36	3725572.53	5.52309
437999.92	3725586.22	5.85369	438031.98	3725262.75	3.04216
438045.08	3725288.55	3.08581	438051.63	3725301.45	3.10757
438058.18	3725314.35	3.12963	438064.73	3725327.25	3.15211
438071.28	3725340.14	3.17614	438077.83	3725353.04	3.20037
438084.38	3725365.94	3.22366	438090.93	3725378.84	3.24736
438091.98	3725392.17	3.30755	438087.52	3725405.93	3.40543
438083.06	3725419.69	3.50717	438078.60	3725433.45	3.61180
438074.13	3725447.22	3.72056	438069.67	3725460.98	3.83743
438065.21	3725474.74	3.95973	438060.75	3725488.50	4.08496
438056.29	3725502.26	4.21158	438051.83	3725516.02	4.34531
438047.37	3725529.78	4.48926	438042.90	3725543.55	4.65653
438029.52	3725584.83	5.35430	438025.06	3725598.59	5.64849
438020.60	3725612.35	5.96323	438011.67	3725639.88	6.66175
438078.08	3725292.29	2.92554	438084.66	3725305.24	2.94609
438091.23	3725318.19	2.96677	438097.81	3725331.14	2.98757
438104.39	3725344.09	3.00823	438110.96	3725357.04	3.02902
438117.54	3725369.99	3.04997	438121.88	3725389.85	3.11567
438117.40	3725403.67	3.20773	438112.92	3725417.49	3.30271
438108.44	3725431.31	3.39945	438103.96	3725445.12	3.49985
438099.48	3725458.94	3.61011	438095.00	3725472.76	3.72654
438090.52	3725486.58	3.84760	438086.04	3725500.39	3.97287
438081.56	3725514.21	4.09976	438077.08	3725528.03	4.22877
438072.60	3725541.85	4.36301	438068.12	3725555.66	4.51345
438054.69	3725597.11	5.18667	438050.21	3725610.93	5.45322
438045.73	3725624.75	5.73944	438041.25	3725638.57	6.04877
438104.53	3725283.13	2.75881	438111.13	3725296.13	2.77766
438117.73	3725309.12	2.79585	438124.33	3725322.12	2.81411

438130.93	3725335.12	2.83237	438137.53	3725348.11	2.85064
438144.13	3725361.11	2.86920	438150.73	3725374.10	2.88767

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438151.78	3725387.54	2.93777	438147.28	3725401.40	3.02232
438142.79	3725415.27	3.11086	438138.29	3725429.13	3.20218
438133.80	3725443.00	3.29752	438129.30	3725456.86	3.39734
438124.81	3725470.73	3.50184	438120.31	3725484.59	3.61403
438115.82	3725498.46	3.73341	438111.32	3725512.33	3.85904
438106.83	3725526.19	3.98852	438102.33	3725540.06	4.12206
438097.84	3725553.92	4.26554	438093.34	3725567.79	4.41880
438088.85	3725581.65	4.59845	438075.36	3725623.25	5.26977
438070.87	3725637.12	5.53124	438066.37	3725650.98	5.81544
438057.38	3725678.71	6.47406	438137.60	3725287.01	2.62144
438144.22	3725300.04	2.63778	438150.84	3725313.08	2.65372
438157.46	3725326.12	2.66954	438164.08	3725339.15	2.68632
438170.70	3725352.19	2.70286	438177.32	3725365.22	2.71908
438181.68	3725385.21	2.77321	438177.17	3725399.12	2.85044
438172.66	3725413.03	2.93117	438168.15	3725426.94	3.01587
438163.65	3725440.84	3.10440	438159.14	3725454.75	3.19594
438154.63	3725468.66	3.29143	438150.12	3725482.57	3.39289
438145.61	3725496.48	3.50129	438141.10	3725510.38	3.61635
438136.59	3725524.29	3.74040	438132.08	3725538.20	3.87237
438127.57	3725552.11	4.00353	438123.07	3725566.01	4.13980
438118.56	3725579.92	4.30164	438114.05	3725593.83	4.47311
438109.54	3725607.74	4.65527	438100.52	3725635.55	5.07847
438096.01	3725649.46	5.32254	438091.50	3725663.37	5.59017
438087.00	3725677.28	5.88163	438082.49	3725691.18	6.20001
438170.70	3725290.96	2.49236	438177.34	3725304.03	2.50701
438183.97	3725317.10	2.52147	438190.61	3725330.17	2.53578
438197.25	3725343.24	2.55001	438203.89	3725356.31	2.56411
438210.52	3725369.38	2.57835	438211.58	3725382.89	2.61950
438207.06	3725396.83	2.69065	438202.54	3725410.78	2.76489
438198.02	3725424.72	2.84253	438193.50	3725438.67	2.92453
438188.98	3725452.61	3.00949	438184.46	3725466.56	3.09625
438179.94	3725480.50	3.18804	438175.42	3725494.45	3.28621
438170.90	3725508.39	3.38962	438166.37	3725522.34	3.49891
438161.85	3725536.28	3.61421	438157.33	3725550.23	3.73998
438152.81	3725564.17	3.87197	438148.29	3725578.12	4.01412
438143.77	3725592.06	4.16763	438139.25	3725606.01	4.32799
438134.73	3725619.95	4.49775	438121.17	3725661.79	5.11481
438223.79	3725334.27	2.41021	438230.45	3725347.37	2.42251

438237.10	3725360.47	2.43484	438241.49	3725380.56	2.47780
438236.95	3725394.54	2.54255	438232.42	3725408.52	2.61071

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IN ***
INCLUDING SOURCE(S): L0000568 , L0000569 , L0000570 , L0000571 , L0000572 ,
L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 ,
L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 ,
L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438227.89	3725422.49	2.68125	438223.36	3725436.47	2.75424
438218.83	3725450.45	2.83093	438214.30	3725464.43	2.91158
438209.77	3725478.41	2.99617	438205.23	3725492.38	3.08628
438200.70	3725506.36	3.18066	438196.17	3725520.34	3.27913
438191.64	3725534.32	3.38307	438187.11	3725548.29	3.49509
438182.58	3725562.27	3.61426	438178.04	3725576.25	3.73967
438173.51	3725590.23	3.87323	438168.98	3725604.21	4.01604
438164.45	3725618.18	4.16742	438159.92	3725632.16	4.33017
438155.39	3725646.14	4.50743	438132.73	3725716.03	5.66318
438128.20	3725730.01	5.95962	438271.39	3725378.23	2.34678
438266.85	3725392.24	2.40580	438262.31	3725406.25	2.46803
438257.77	3725420.25	2.53254	438253.23	3725434.26	2.59893
438248.68	3725448.27	2.66845	438244.14	3725462.28	2.74129
438239.60	3725476.28	2.81776	438235.06	3725490.29	2.89983
438230.52	3725504.30	2.98607	438225.98	3725518.30	3.07542
438221.44	3725532.31	3.16945	438216.90	3725546.32	3.26833
438212.36	3725560.33	3.37317	438207.82	3725574.33	3.48502
438203.27	3725588.34	3.60368	438198.73	3725602.35	3.72966
438194.19	3725616.35	3.86473	438189.65	3725630.36	4.00911
438185.11	3725644.37	4.16379	438180.57	3725658.38	4.33007
438166.95	3725700.40	4.91688	438162.40	3725714.40	5.14595
438157.86	3725728.41	5.39695	438153.32	3725742.42	5.67123
438148.78	3725756.43	5.97211	438292.19	3725403.97	2.33564
438287.64	3725418.00	2.39471	438283.10	3725432.04	2.45507
438278.55	3725446.07	2.51812	438274.00	3725460.10	2.58533
438269.45	3725474.14	2.65527	438264.90	3725488.17	2.72812
438260.35	3725502.20	2.80496	438255.80	3725516.24	2.88556
438251.25	3725530.27	2.96970	438246.70	3725544.30	3.05905
438242.15	3725558.34	3.15377	438237.60	3725572.37	3.25347
438233.05	3725586.41	3.35925	438228.50	3725600.44	3.47110
438223.95	3725614.47	3.58991	438219.40	3725628.51	3.71686
438214.85	3725642.54	3.85188	438210.30	3725656.57	3.99626
438205.75	3725670.61	4.15116	438201.20	3725684.64	4.31767
438192.10	3725712.71	4.69367	438187.55	3725726.74	4.90484
438183.00	3725740.77	5.13483	438178.46	3725754.81	5.38621
438173.91	3725768.84	5.66166	438313.29	3725428.80	2.31784
438308.81	3725442.63	2.37387	438304.32	3725456.46	2.43356
438299.84	3725470.30	2.49619	438295.35	3725484.13	2.56085

438290.87	3725497.97	2.62795	438286.38	3725511.80	2.69883
438281.90	3725525.64	2.77391	438277.41	3725539.47	2.85219

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 9TH HIGHEST VALUE IS      39.63022 AT (  437812.90,  3725342.69,   221.44,   221.44,    0.00)  DC
10TH HIGHEST VALUE IS      38.55818 AT (  437757.44,  3725395.75,   216.27,   218.00,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
STCK10	1ST HIGHEST VALUE IS	27.38146 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	2ND HIGHEST VALUE IS	27.30074 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	3RD HIGHEST VALUE IS	27.10526 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	4TH HIGHEST VALUE IS	26.69473 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	5TH HIGHEST VALUE IS	26.32888 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	6TH HIGHEST VALUE IS	26.09655 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	25.90760 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	8TH HIGHEST VALUE IS	25.52171 AT (437757.44, 3725395.75, 216.27, 218.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	24.79713 AT (437750.64, 3725402.77, 215.34, 218.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	24.72728 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
STCK11	1ST HIGHEST VALUE IS	25.59447 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	2ND HIGHEST VALUE IS	25.51004 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	3RD HIGHEST VALUE IS	25.37406 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	25.21801 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	5TH HIGHEST VALUE IS	24.83216 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	6TH HIGHEST VALUE IS	24.49412 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	7TH HIGHEST VALUE IS	24.11147 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	8TH HIGHEST VALUE IS	24.05362 AT (437757.44, 3725395.75, 216.27, 218.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	23.43106 AT (437750.64, 3725402.77, 215.34, 218.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	23.06534 AT (437776.51, 3725392.49, 218.04, 218.04, 0.00)	DC	
STCK12	1ST HIGHEST VALUE IS	78.51257 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	2ND HIGHEST VALUE IS	78.44087 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	3RD HIGHEST VALUE IS	77.40321 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	4TH HIGHEST VALUE IS	77.09688 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	5TH HIGHEST VALUE IS	75.02373 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	71.46578 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	7TH HIGHEST VALUE IS	70.98722 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
	8TH HIGHEST VALUE IS	68.03433 AT (437812.90, 3725342.69, 221.44, 221.44, 0.00)	DC	
	9TH HIGHEST VALUE IS	66.65294 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	64.00389 AT (437803.26, 3725363.49, 220.91, 220.91, 0.00)	DC	
STCK13	1ST HIGHEST VALUE IS	95.42393 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	2ND HIGHEST VALUE IS	95.26270 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	3RD HIGHEST VALUE IS	93.78440 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	4TH HIGHEST VALUE IS	93.18225 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	5TH HIGHEST VALUE IS	90.27328 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	85.11061 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	7TH HIGHEST VALUE IS	84.13688 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
	8TH HIGHEST VALUE IS	80.95994 AT (437812.90, 3725342.69, 221.44, 221.44, 0.00)	DC	

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 9TH HIGHEST VALUE IS      78.29306 AT (  437764.13,  3725388.50,   217.31,   218.00,    0.00)  DC
10TH HIGHEST VALUE IS      76.12218 AT (  437803.26,  3725363.49,   220.91,   220.91,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
STCK14	1ST HIGHEST VALUE IS	86.67244 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	2ND HIGHEST VALUE IS	86.60030 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	3RD HIGHEST VALUE IS	85.28244 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	4TH HIGHEST VALUE IS	84.95710 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	5TH HIGHEST VALUE IS	82.35191 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	78.03216 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	7TH HIGHEST VALUE IS	77.53495 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
	8TH HIGHEST VALUE IS	74.40932 AT (437812.90, 3725342.69, 221.44, 221.44, 0.00)	DC	
	9TH HIGHEST VALUE IS	72.27588 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	69.91532 AT (437803.26, 3725363.49, 220.91, 220.91, 0.00)	DC	
STCK2	1ST HIGHEST VALUE IS	33.53557 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	2ND HIGHEST VALUE IS	33.46002 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	3RD HIGHEST VALUE IS	33.20475 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	4TH HIGHEST VALUE IS	33.07964 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	5TH HIGHEST VALUE IS	32.78447 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	6TH HIGHEST VALUE IS	32.24407 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	7TH HIGHEST VALUE IS	31.33620 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	30.61436 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
	9TH HIGHEST VALUE IS	30.35329 AT (437757.44, 3725395.75, 216.27, 218.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	29.63366 AT (437812.90, 3725342.69, 221.44, 221.44, 0.00)	DC	
STCK3	1ST HIGHEST VALUE IS	37.28539 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	2ND HIGHEST VALUE IS	37.19143 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	3RD HIGHEST VALUE IS	36.90933 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	4TH HIGHEST VALUE IS	36.40896 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	5TH HIGHEST VALUE IS	36.06474 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	35.34746 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	7TH HIGHEST VALUE IS	34.56116 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
	8TH HIGHEST VALUE IS	34.35275 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	33.37397 AT (437812.90, 3725342.69, 221.44, 221.44, 0.00)	DC	
	10TH HIGHEST VALUE IS	33.26205 AT (437757.44, 3725395.75, 216.27, 218.00, 0.00)	DC	
STCK4	1ST HIGHEST VALUE IS	40.40285 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	2ND HIGHEST VALUE IS	40.13845 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	3RD HIGHEST VALUE IS	39.59659 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	4TH HIGHEST VALUE IS	39.56462 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	5TH HIGHEST VALUE IS	39.01026 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	38.07166 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	7TH HIGHEST VALUE IS	37.65385 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
	8TH HIGHEST VALUE IS	36.99150 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	

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 9TH HIGHEST VALUE IS      36.24853 AT (  437812.90,  3725342.69,   221.44,   221.44,    0.00)  DC
10TH HIGHEST VALUE IS      35.69207 AT (  437757.44,  3725395.75,   216.27,   218.00,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
STCK5	1ST HIGHEST VALUE IS	48.80264 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	2ND HIGHEST VALUE IS	48.74644 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	3RD HIGHEST VALUE IS	48.38733 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	4TH HIGHEST VALUE IS	48.22214 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	5TH HIGHEST VALUE IS	47.24416 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	46.14770 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
	7TH HIGHEST VALUE IS	45.85673 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	8TH HIGHEST VALUE IS	44.07509 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	44.02418 AT (437812.90, 3725342.69, 221.44, 221.44, 0.00)	DC	
	10TH HIGHEST VALUE IS	42.86127 AT (437829.71, 3725313.52, 221.57, 221.57, 0.00)	DC	
STCK6	1ST HIGHEST VALUE IS	68.79136 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	2ND HIGHEST VALUE IS	68.73027 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	3RD HIGHEST VALUE IS	67.88673 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	4TH HIGHEST VALUE IS	67.78723 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	5TH HIGHEST VALUE IS	65.88655 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	63.34256 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
	7TH HIGHEST VALUE IS	63.08053 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	8TH HIGHEST VALUE IS	60.52466 AT (437812.90, 3725342.69, 221.44, 221.44, 0.00)	DC	
	9TH HIGHEST VALUE IS	59.27628 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	56.87940 AT (437829.71, 3725313.52, 221.57, 221.57, 0.00)	DC	
STCK7	1ST HIGHEST VALUE IS	61.48631 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	2ND HIGHEST VALUE IS	61.35929 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	3RD HIGHEST VALUE IS	60.85222 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	4TH HIGHEST VALUE IS	60.54608 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	5TH HIGHEST VALUE IS	58.98040 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	57.33640 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
	7TH HIGHEST VALUE IS	56.69287 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	8TH HIGHEST VALUE IS	54.69000 AT (437812.90, 3725342.69, 221.44, 221.44, 0.00)	DC	
	9TH HIGHEST VALUE IS	53.58592 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	52.16165 AT (437829.71, 3725313.52, 221.57, 221.57, 0.00)	DC	
STCK8	1ST HIGHEST VALUE IS	54.87228 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	2ND HIGHEST VALUE IS	54.72591 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	3RD HIGHEST VALUE IS	54.42365 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	4TH HIGHEST VALUE IS	54.04927 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	5TH HIGHEST VALUE IS	52.78469 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	51.65869 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
	7TH HIGHEST VALUE IS	50.95485 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	8TH HIGHEST VALUE IS	49.23883 AT (437812.90, 3725342.69, 221.44, 221.44, 0.00)	DC	

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 9TH HIGHEST VALUE IS      48.45514 AT (  437764.13,  3725388.50,   217.31,   218.00,    0.00)  DC
10TH HIGHEST VALUE IS      47.53672 AT (  437829.71,  3725313.52,   221.57,   221.57,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
STCK9	1ST HIGHEST VALUE IS	29.66408 AT (437777.35, 3725373.71, 219.24, 219.24, 0.00)	DC	
	2ND HIGHEST VALUE IS	29.51083 AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
	3RD HIGHEST VALUE IS	29.46463 AT (437770.75, 3725381.14, 218.40, 218.40, 0.00)	DC	
	4TH HIGHEST VALUE IS	29.10082 AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
	5TH HIGHEST VALUE IS	28.71093 AT (437797.03, 3725351.24, 220.91, 220.91, 0.00)	DC	
	6TH HIGHEST VALUE IS	28.24880 AT (437803.58, 3725343.71, 221.13, 221.13, 0.00)	DC	
	7TH HIGHEST VALUE IS	28.05652 AT (437764.13, 3725388.50, 217.31, 218.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	27.32037 AT (437757.44, 3725395.75, 216.27, 218.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	26.91948 AT (437816.65, 3725328.63, 221.57, 221.57, 0.00)	DC	
	10TH HIGHEST VALUE IS	26.50879 AT (437750.64, 3725402.77, 215.34, 218.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
IN	HIGH 1ST HIGH VALUE IS	189.41958	ON 11033018:	AT (437598.90, 3725592.54, 208.80, 246.00, 0.00)	DC	
ONSITE1	HIGH 1ST HIGH VALUE IS	234.11611	ON 12022716:	AT (437863.61, 3725276.91, 218.14, 218.14, 0.00)	DC	
OUT	HIGH 1ST HIGH VALUE IS	476.04409	ON 12022716:	AT (437598.90, 3725592.54, 208.80, 246.00, 0.00)	DC	
STCK1	HIGH 1ST HIGH VALUE IS	247.07301	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
STCK10	HIGH 1ST HIGH VALUE IS	171.31416	ON 12120216:	AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
STCK11	HIGH 1ST HIGH VALUE IS	162.43524	ON 12120216:	AT (437783.92, 3725366.25, 219.96, 219.96, 0.00)	DC	
STCK12	HIGH 1ST HIGH VALUE IS	385.56382	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
STCK13	HIGH 1ST HIGH VALUE IS	448.57946	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
STCK14	HIGH 1ST HIGH VALUE IS	417.41145	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
STCK2	HIGH 1ST HIGH VALUE IS	202.37324	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
STCK3	HIGH 1ST HIGH VALUE IS	218.86686	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
STCK4	HIGH 1ST HIGH VALUE IS	231.94912	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
STCK5	HIGH 1ST HIGH VALUE IS	268.17316	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
STCK6	HIGH 1ST HIGH VALUE IS	348.88465	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
STCK7	HIGH 1ST HIGH VALUE IS	319.55834	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
STCK8	HIGH 1ST HIGH VALUE IS	291.92530	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	
STCK9	HIGH 1ST HIGH VALUE IS	182.66760	ON 12120216:	AT (437790.48, 3725358.75, 220.58, 220.58, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 868 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 15 Calm Hours Identified

A Total of 853 Missing Hours Identified (1.95 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********

ME W186	2541	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	2541	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	35065	CHKDAT: Record Out of Sequence in Meteorological File at:	16010101
MX W450	35065	CHKDAT: Record Out of Sequence in Meteorological File at:	1 year gap

****
*** AERMOD Finishes Successfully ***
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** Lakes Environmental AERMOD MPI
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/26/2024
** File: D:\LSA\2024\CLF2101.4A\Operational\Operational.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2024\CLF2101.4A\Operational\Operational.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 3010232 Orange
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL Operational.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = ONSITE1
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 3.05
** SZINIT = 1.42
** Nodes = 9
** 437710.673, 3725248.524, 213.24, 0.00, 1.42
** 437686.441, 3725216.959, 212.28, 0.00, 1.42
** 437672.412, 3725202.293, 212.04, 0.00, 1.42
** 437652.006, 3725187.626, 211.92, 0.00, 1.42
** 437637.340, 3725182.525, 209.91, 0.00, 1.42
** 437629.369, 3725181.568, 207.92, 0.00, 1.42
** 437621.079, 3725184.756, 207.28, 0.00, 1.42
** 437614.064, 3725191.452, 208.04, 0.00, 1.42
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** 437540.329, 3725263.333, 204.40, 0.00, 1.42
** ------------------------------------------------------------------
   LOCATION L0000001     VOLUME   437709.745 3725247.316 214.87
   LOCATION L0000002     VOLUME   437707.889 3725244.898 214.46
   LOCATION L0000003     VOLUME   437706.033 3725242.480 214.06
   LOCATION L0000004     VOLUME   437704.177 3725240.062 213.66
   LOCATION L0000005     VOLUME   437702.321 3725237.645 213.26
   LOCATION L0000006     VOLUME   437700.465 3725235.227 213.01
   LOCATION L0000007     VOLUME   437698.609 3725232.809 213.03
   LOCATION L0000008     VOLUME   437696.753 3725230.391 213.03
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LOCATION L0000306     VOLUME   437582.551 3725590.226 209.03
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LOCATION L0000321     VOLUME   437619.893 3725616.573 210.36
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   LOCATION L0000567     VOLUME   438188.979 3726104.735 223.97
** End of LINE VOLUME Source ID = OUT
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = IN
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 3.05
** SZINIT = 1.42
** Nodes = 30
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LOCATION L0000947 VOLUME 437350.458 3725397.132 217.38
LOCATION L0000948 VOLUME 437350.853 3725394.110 218.04
LOCATION L0000949 VOLUME 437351.248 3725391.088 218.70
LOCATION L0000950 VOLUME 437351.643 3725388.065 219.35
LOCATION L0000951 VOLUME 437352.038 3725385.043 219.75
LOCATION L0000952 VOLUME 437352.433 3725382.021 219.70
LOCATION L0000953 VOLUME 437352.828 3725378.998 219.65
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LOCATION L0000955 VOLUME 437353.617 3725372.954 219.54
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LOCATION L0000957 VOLUME 437354.407 3725366.909 219.42
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LOCATION L0000959 VOLUME 437355.197 3725360.864 219.28
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LOCATION L0000961 VOLUME 437355.987 3725354.820 219.02
LOCATION L0000962 VOLUME 437356.381 3725351.798 218.66
LOCATION L0000963 VOLUME 437356.776 3725348.775 218.31
LOCATION L0000964 VOLUME 437357.171 3725345.753 217.95
LOCATION L0000965 VOLUME 437357.566 3725342.731 217.60
LOCATION L0000966 VOLUME 437358.027 3725339.718 217.24
LOCATION L0000967 VOLUME 437358.493 3725336.706 216.87
LOCATION L0000968 VOLUME 437358.960 3725333.694 216.51
LOCATION L0000969 VOLUME 437359.426 3725330.681 216.15
LOCATION L0000970 VOLUME 437359.893 3725327.669 215.78
LOCATION L0000971 VOLUME 437360.359 3725324.657 215.41
LOCATION L0000972 VOLUME 437360.825 3725321.645 215.02
LOCATION L0000973 VOLUME 437361.292 3725318.633 214.64
LOCATION L0000974 VOLUME 437361.758 3725315.621 214.26
LOCATION L0000975 VOLUME 437362.225 3725312.609 213.89
LOCATION L0000976 VOLUME 437362.691 3725309.597 213.53
LOCATION L0000977 VOLUME 437363.157 3725306.585 213.18
LOCATION L0000978 VOLUME 437363.624 3725303.572 212.83
LOCATION L0000979 VOLUME 437364.090 3725300.560 212.48
LOCATION L0000980 VOLUME 437364.556 3725297.548 212.15
LOCATION L0000981 VOLUME 437365.023 3725294.536 211.87
LOCATION L0000982 VOLUME 437365.489 3725291.524 211.63
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LOCATION L0000985 VOLUME 437366.888 3725282.488 210.94
LOCATION L0000986 VOLUME 437367.355 3725279.476 210.71
LOCATION L0000987 VOLUME 437367.821 3725276.463 210.47
LOCATION L0000988 VOLUME 437368.491 3725273.519 210.23
LOCATION L0000989 VOLUME 437369.911 3725270.821 209.96
LOCATION L0000990 VOLUME 437371.330 3725268.124 209.68
LOCATION L0000991 VOLUME 437372.697 3725265.405 209.39
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LOCATION L0000993 VOLUME 437374.515 3725259.586 208.69
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LOCATION L0000999 VOLUME 437380.056 3725242.158 206.56
LOCATION L0001000 VOLUME 437380.992 3725239.257 206.18
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LOCATION L0001002 VOLUME 437382.863 3725233.456 205.65
LOCATION L0001003 VOLUME 437383.799 3725230.555 205.53
LOCATION L0001004 VOLUME 437384.735 3725227.654 205.39
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LOCATION L0001008 VOLUME 437388.478 3725216.051 204.72
LOCATION L0001009 VOLUME 437389.414 3725213.150 204.52
LOCATION L0001010 VOLUME 437390.349 3725210.249 204.31
LOCATION L0001011 VOLUME 437391.285 3725207.348 204.08
LOCATION L0001012 VOLUME 437392.221 3725204.448 203.94
LOCATION L0001013 VOLUME 437393.157 3725201.547 203.84

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LOCATION L0001014     VOLUME   437394.092 3725198.646 203.72
LOCATION L0001015     VOLUME   437395.193 3725195.813 203.55
LOCATION L0001016     VOLUME   437396.556 3725193.086 203.31
LOCATION L0001017     VOLUME   437398.868 3725191.231 202.82
LOCATION L0001018     VOLUME   437401.468 3725189.642 202.25
LOCATION L0001019     VOLUME   437404.069 3725188.053 201.65
LOCATION L0001020     VOLUME   437406.939 3725187.134 200.98
LOCATION L0001021     VOLUME   437409.917 3725186.486 200.33
LOCATION L0001022     VOLUME   437412.896 3725185.839 200.21
LOCATION L0001023     VOLUME   437415.895 3725185.388 200.10
LOCATION L0001024     VOLUME   437418.943 3725185.388 200.00
LOCATION L0001025     VOLUME   437421.991 3725185.388 199.90
LOCATION L0001026     VOLUME   437424.898 3725186.301 199.83
LOCATION L0001027     VOLUME   437427.802 3725187.225 199.76
LOCATION L0001028     VOLUME   437430.707 3725188.149 199.70
LOCATION L0001029     VOLUME   437433.611 3725189.073 199.63
LOCATION L0001030     VOLUME   437436.516 3725189.997 199.57
LOCATION L0001031     VOLUME   437439.420 3725190.922 199.50
LOCATION L0001032     VOLUME   437442.299 3725191.917 199.57
LOCATION L0001033     VOLUME   437445.117 3725193.078 199.65
LOCATION L0001034     VOLUME   437447.936 3725194.238 199.71
LOCATION L0001035     VOLUME   437450.754 3725195.399 199.78
LOCATION L0001036     VOLUME   437453.572 3725196.559 199.83
LOCATION L0001037     VOLUME   437456.391 3725197.720 199.88
LOCATION L0001038     VOLUME   437459.209 3725198.880 199.92
LOCATION L0001039     VOLUME   437462.028 3725200.041 199.95
LOCATION L0001040     VOLUME   437464.846 3725201.201 199.97
LOCATION L0001041     VOLUME   437467.665 3725202.362 199.99
LOCATION L0001042     VOLUME   437470.483 3725203.522 200.00
LOCATION L0001043     VOLUME   437473.241 3725204.815 200.00
LOCATION L0001044     VOLUME   437475.967 3725206.178 200.00
LOCATION L0001045     VOLUME   437478.693 3725207.542 200.01
LOCATION L0001046     VOLUME   437481.420 3725208.905 200.04
LOCATION L0001047     VOLUME   437484.146 3725210.268 200.07
LOCATION L0001048     VOLUME   437486.872 3725211.631 200.11
LOCATION L0001049     VOLUME   437489.598 3725212.994 200.15
LOCATION L0001050     VOLUME   437492.325 3725214.357 200.21
LOCATION L0001051     VOLUME   437495.051 3725215.720 200.27
LOCATION L0001052     VOLUME   437497.777 3725217.083 200.34
LOCATION L0001053     VOLUME   437500.503 3725218.446 200.47
LOCATION L0001054     VOLUME   437503.229 3725219.810 200.70
LOCATION L0001055     VOLUME   437505.562 3725221.716 200.92
LOCATION L0001056     VOLUME   437507.704 3725223.884 201.13
LOCATION L0001057     VOLUME   437509.846 3725226.053 201.35
LOCATION L0001058     VOLUME   437511.988 3725228.221 201.56
LOCATION L0001059     VOLUME   437514.130 3725230.390 201.78
LOCATION L0001060     VOLUME   437516.272 3725232.558 201.99
LOCATION L0001061     VOLUME   437518.414 3725234.727 202.21
LOCATION L0001062     VOLUME   437520.556 3725236.895 202.42
LOCATION L0001063     VOLUME   437522.698 3725239.063 202.64
LOCATION L0001064     VOLUME   437524.840 3725241.232 202.85
LOCATION L0001065     VOLUME   437526.982 3725243.400 203.07
LOCATION L0001066     VOLUME   437529.124 3725245.569 203.28
LOCATION L0001067     VOLUME   437531.266 3725247.737 203.59
LOCATION L0001068     VOLUME   437533.408 3725249.906 203.91
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   LOCATION L0001069     VOLUME   437535.550 3725252.074 204.22
   LOCATION L0001070     VOLUME   437537.692 3725254.243 204.52
   LOCATION L0001071     VOLUME   437539.834 3725256.411 204.81
** End of LINE VOLUME Source ID = IN
   LOCATION STCK1        POINT      437696.080  3725255.890      216.300
   LOCATION STCK2        POINT      437682.700  3725238.432      213.390
   LOCATION STCK3        POINT      437688.286  3725245.064      214.490
   LOCATION STCK4        POINT      437692.126  3725250.184      215.340
   LOCATION STCK5        POINT      437701.551  3725261.588      217.250
   LOCATION STCK6        POINT      437716.562  3725279.624      218.220
   LOCATION STCK7        POINT      437711.908  3725273.806      218.180
   LOCATION STCK8        POINT      437706.788  3725267.755      218.050
   LOCATION STCK9        POINT      437674.555  3725230.402      212.750
   LOCATION STCK10       POINT      437668.388  3725225.282      212.370
   LOCATION STCK11       POINT      437663.850  3725220.279      211.920
   LOCATION STCK12       POINT      437721.640  3725286.033      218.260
   LOCATION STCK13       POINT      437729.371  3725293.764      218.260
   LOCATION STCK14       POINT      437725.827  3725289.899      218.250
** Source Parameters **
** LINE VOLUME Source ID = ONSITE1
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   SRCPARAM L0000002     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000003     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000004     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000005     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000006     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000007     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000008     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000009     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000010     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000011     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000012     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000013     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000014     0.0131578947      0.00      1.42      1.42
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   SRCPARAM L0000016     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000017     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000018     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000019     0.0131578947      0.00      1.42      1.42
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   SRCPARAM L0000021     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0000022     0.0131578947      0.00      1.42      1.42
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   SRCPARAM L0001073     0.0131578947      0.00      1.42      1.42
   SRCPARAM L0001074     0.0131578947      0.00      1.42      1.42
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   SRCPARAM L0001038     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001039     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001040     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001041     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001042     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001043     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001044     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001045     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001046     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001047     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001048     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001049     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001050     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001051     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001052     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001053     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001054     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001055     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001056     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001057     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001058     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001059     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001060     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001061     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001062     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001063     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001064     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001065     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001066     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001067     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001068     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001069     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001070     0.001984127      0.00      1.42      1.42
   SRCPARAM L0001071     0.001984127      0.00      1.42      1.42
** ------------------------------------------------------------------
   SRCPARAM STCK1              1.0     3.658   388.700        25     0.044
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SRCPARAM STCK2              1.0     3.658   388.700        25     0.044
SRCPARAM STCK3              1.0     3.658   388.700        25     0.044
SRCPARAM STCK4              1.0     3.658   388.700        25     0.044
SRCPARAM STCK5              1.0     3.658   388.700        25     0.044
SRCPARAM STCK6              1.0     3.658   388.700        25     0.044
SRCPARAM STCK7              1.0     3.658   388.700        25     0.044
SRCPARAM STCK8              1.0     3.658   388.700        25     0.044
SRCPARAM STCK9              1.0     3.658   388.700        25     0.044
SRCPARAM STCK10             1.0     3.658   388.700        25     0.044
SRCPARAM STCK11             1.0     3.658   388.700        25     0.044
SRCPARAM STCK12             1.0     3.658   388.700        25     0.044
SRCPARAM STCK13             1.0     3.658   388.700        25     0.044
SRCPARAM STCK14             1.0     3.658   388.700        25     0.044
URBANSRC ALL
SRCGROUP IN       L0000568 L0000569 L0000570 L0000571 L0000572 L0000573
SRCGROUP IN       L0000574 L0000575 L0000576 L0000577 L0000578 L0000579
SRCGROUP IN       L0000580 L0000581 L0000582 L0000583 L0000584 L0000585
SRCGROUP IN       L0000586 L0000587 L0000588 L0000589 L0000590 L0000591
SRCGROUP IN       L0000592 L0000593 L0000594 L0000595 L0000596 L0000597
SRCGROUP IN       L0000598 L0000599 L0000600 L0000601 L0000602 L0000603
SRCGROUP IN       L0000604 L0000605 L0000606 L0000607 L0000608 L0000609
SRCGROUP IN       L0000610 L0000611 L0000612 L0000613 L0000614 L0000615
SRCGROUP IN       L0000616 L0000617 L0000618 L0000619 L0000620 L0000621
SRCGROUP IN       L0000622 L0000623 L0000624 L0000625 L0000626 L0000627
SRCGROUP IN       L0000628 L0000629 L0000630 L0000631 L0000632 L0000633
SRCGROUP IN       L0000634 L0000635 L0000636 L0000637 L0000638 L0000639
SRCGROUP IN       L0000640 L0000641 L0000642 L0000643 L0000644 L0000645
SRCGROUP IN       L0000646 L0000647 L0000648 L0000649 L0000650 L0000651
SRCGROUP IN       L0000652 L0000653 L0000654 L0000655 L0000656 L0000657
SRCGROUP IN       L0000658 L0000659 L0000660 L0000661 L0000662 L0000663
SRCGROUP IN       L0000664 L0000665 L0000666 L0000667 L0000668 L0000669
SRCGROUP IN       L0000670 L0000671 L0000672 L0000673 L0000674 L0000675
SRCGROUP IN       L0000676 L0000677 L0000678 L0000679 L0000680 L0000681
SRCGROUP IN       L0000682 L0000683 L0000684 L0000685 L0000686 L0000687
SRCGROUP IN       L0000688 L0000689 L0000690 L0000691 L0000692 L0000693
SRCGROUP IN       L0000694 L0000695 L0000696 L0000697 L0000698 L0000699
SRCGROUP IN       L0000700 L0000701 L0000702 L0000703 L0000704 L0000705
SRCGROUP IN       L0000706 L0000707 L0000708 L0000709 L0000710 L0000711
SRCGROUP IN       L0000712 L0000713 L0000714 L0000715 L0000716 L0000717
SRCGROUP IN       L0000718 L0000719 L0000720 L0000721 L0000722 L0000723
SRCGROUP IN       L0000724 L0000725 L0000726 L0000727 L0000728 L0000729
SRCGROUP IN       L0000730 L0000731 L0000732 L0000733 L0000734 L0000735
SRCGROUP IN       L0000736 L0000737 L0000738 L0000739 L0000740 L0000741
SRCGROUP IN       L0000742 L0000743 L0000744 L0000745 L0000746 L0000747
SRCGROUP IN       L0000748 L0000749 L0000750 L0000751 L0000752 L0000753
SRCGROUP IN       L0000754 L0000755 L0000756 L0000757 L0000758 L0000759
SRCGROUP IN       L0000760 L0000761 L0000762 L0000763 L0000764 L0000765
SRCGROUP IN       L0000766 L0000767 L0000768 L0000769 L0000770 L0000771
SRCGROUP IN       L0000772 L0000773 L0000774 L0000775 L0000776 L0000777
SRCGROUP IN       L0000778 L0000779 L0000780 L0000781 L0000782 L0000783
SRCGROUP IN       L0000784 L0000785 L0000786 L0000787 L0000788 L0000789
SRCGROUP IN       L0000790 L0000791 L0000792 L0000793 L0000794 L0000795
SRCGROUP IN       L0000796 L0000797 L0000798 L0000799 L0000800 L0000801
SRCGROUP IN       L0000802 L0000803 L0000804 L0000805 L0000806 L0000807
SRCGROUP IN       L0000808 L0000809 L0000810 L0000811 L0000812 L0000813
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SRCGROUP IN       L0000814 L0000815 L0000816 L0000817 L0000818 L0000819
SRCGROUP IN       L0000820 L0000821 L0000822 L0000823 L0000824 L0000825
SRCGROUP IN       L0000826 L0000827 L0000828 L0000829 L0000830 L0000831
SRCGROUP IN       L0000832 L0000833 L0000834 L0000835 L0000836 L0000837
SRCGROUP IN       L0000838 L0000839 L0000840 L0000841 L0000842 L0000843
SRCGROUP IN       L0000844 L0000845 L0000846 L0000847 L0000848 L0000849
SRCGROUP IN       L0000850 L0000851 L0000852 L0000853 L0000854 L0000855
SRCGROUP IN       L0000856 L0000857 L0000858 L0000859 L0000860 L0000861
SRCGROUP IN       L0000862 L0000863 L0000864 L0000865 L0000866 L0000867
SRCGROUP IN       L0000868 L0000869 L0000870 L0000871 L0000872 L0000873
SRCGROUP IN       L0000874 L0000875 L0000876 L0000877 L0000878 L0000879
SRCGROUP IN       L0000880 L0000881 L0000882 L0000883 L0000884 L0000885
SRCGROUP IN       L0000886 L0000887 L0000888 L0000889 L0000890 L0000891
SRCGROUP IN       L0000892 L0000893 L0000894 L0000895 L0000896 L0000897
SRCGROUP IN       L0000898 L0000899 L0000900 L0000901 L0000902 L0000903
SRCGROUP IN       L0000904 L0000905 L0000906 L0000907 L0000908 L0000909
SRCGROUP IN       L0000910 L0000911 L0000912 L0000913 L0000914 L0000915
SRCGROUP IN       L0000916 L0000917 L0000918 L0000919 L0000920 L0000921
SRCGROUP IN       L0000922 L0000923 L0000924 L0000925 L0000926 L0000927
SRCGROUP IN       L0000928 L0000929 L0000930 L0000931 L0000932 L0000933
SRCGROUP IN       L0000934 L0000935 L0000936 L0000937 L0000938 L0000939
SRCGROUP IN       L0000940 L0000941 L0000942 L0000943 L0000944 L0000945
SRCGROUP IN       L0000946 L0000947 L0000948 L0000949 L0000950 L0000951
SRCGROUP IN       L0000952 L0000953 L0000954 L0000955 L0000956 L0000957
SRCGROUP IN       L0000958 L0000959 L0000960 L0000961 L0000962 L0000963
SRCGROUP IN       L0000964 L0000965 L0000966 L0000967 L0000968 L0000969
SRCGROUP IN       L0000970 L0000971 L0000972 L0000973 L0000974 L0000975
SRCGROUP IN       L0000976 L0000977 L0000978 L0000979 L0000980 L0000981
SRCGROUP IN       L0000982 L0000983 L0000984 L0000985 L0000986 L0000987
SRCGROUP IN       L0000988 L0000989 L0000990 L0000991 L0000992 L0000993
SRCGROUP IN       L0000994 L0000995 L0000996 L0000997 L0000998 L0000999
SRCGROUP IN       L0001000 L0001001 L0001002 L0001003 L0001004 L0001005
SRCGROUP IN       L0001006 L0001007 L0001008 L0001009 L0001010 L0001011
SRCGROUP IN       L0001012 L0001013 L0001014 L0001015 L0001016 L0001017
SRCGROUP IN       L0001018 L0001019 L0001020 L0001021 L0001022 L0001023
SRCGROUP IN       L0001024 L0001025 L0001026 L0001027 L0001028 L0001029
SRCGROUP IN       L0001030 L0001031 L0001032 L0001033 L0001034 L0001035
SRCGROUP IN       L0001036 L0001037 L0001038 L0001039 L0001040 L0001041
SRCGROUP IN       L0001042 L0001043 L0001044 L0001045 L0001046 L0001047
SRCGROUP IN       L0001048 L0001049 L0001050 L0001051 L0001052 L0001053
SRCGROUP IN       L0001054 L0001055 L0001056 L0001057 L0001058 L0001059
SRCGROUP IN       L0001060 L0001061 L0001062 L0001063 L0001064 L0001065
SRCGROUP IN       L0001066 L0001067 L0001068 L0001069 L0001070 L0001071
SRCGROUP ONSITE1  L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
SRCGROUP ONSITE1  L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
SRCGROUP ONSITE1  L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
SRCGROUP ONSITE1  L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
SRCGROUP ONSITE1  L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
SRCGROUP ONSITE1  L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
SRCGROUP ONSITE1  L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
SRCGROUP ONSITE1  L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
SRCGROUP ONSITE1  L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
SRCGROUP ONSITE1  L0000055 L0000056 L0000057 L0000058 L0000059 L0000060
SRCGROUP ONSITE1  L0000061 L0000062 L0000063 L0000064 L0000065 L0000066
SRCGROUP ONSITE1  L0000067 L0000068 L0000069 L0000070 L0000071 L0000072
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SRCGROUP ONSITE1  L0000073 L0001072 L0001073 L0001074
SRCGROUP OUT      L0000074 L0000075 L0000076 L0000077 L0000078 L0000079
SRCGROUP OUT      L0000080 L0000081 L0000082 L0000083 L0000084 L0000085
SRCGROUP OUT      L0000086 L0000087 L0000088 L0000089 L0000090 L0000091
SRCGROUP OUT      L0000092 L0000093 L0000094 L0000095 L0000096 L0000097
SRCGROUP OUT      L0000098 L0000099 L0000100 L0000101 L0000102 L0000103
SRCGROUP OUT      L0000104 L0000105 L0000106 L0000107 L0000108 L0000109
SRCGROUP OUT      L0000110 L0000111 L0000112 L0000113 L0000114 L0000115
SRCGROUP OUT      L0000116 L0000117 L0000118 L0000119 L0000120 L0000121
SRCGROUP OUT      L0000122 L0000123 L0000124 L0000125 L0000126 L0000127
SRCGROUP OUT      L0000128 L0000129 L0000130 L0000131 L0000132 L0000133
SRCGROUP OUT      L0000134 L0000135 L0000136 L0000137 L0000138 L0000139
SRCGROUP OUT      L0000140 L0000141 L0000142 L0000143 L0000144 L0000145
SRCGROUP OUT      L0000146 L0000147 L0000148 L0000149 L0000150 L0000151
SRCGROUP OUT      L0000152 L0000153 L0000154 L0000155 L0000156 L0000157
SRCGROUP OUT      L0000158 L0000159 L0000160 L0000161 L0000162 L0000163
SRCGROUP OUT      L0000164 L0000165 L0000166 L0000167 L0000168 L0000169
SRCGROUP OUT      L0000170 L0000171 L0000172 L0000173 L0000174 L0000175
SRCGROUP OUT      L0000176 L0000177 L0000178 L0000179 L0000180 L0000181
SRCGROUP OUT      L0000182 L0000183 L0000184 L0000185 L0000186 L0000187
SRCGROUP OUT      L0000188 L0000189 L0000190 L0000191 L0000192 L0000193
SRCGROUP OUT      L0000194 L0000195 L0000196 L0000197 L0000198 L0000199
SRCGROUP OUT      L0000200 L0000201 L0000202 L0000203 L0000204 L0000205
SRCGROUP OUT      L0000206 L0000207 L0000208 L0000209 L0000210 L0000211
SRCGROUP OUT      L0000212 L0000213 L0000214 L0000215 L0000216 L0000217
SRCGROUP OUT      L0000218 L0000219 L0000220 L0000221 L0000222 L0000223
SRCGROUP OUT      L0000224 L0000225 L0000226 L0000227 L0000228 L0000229
SRCGROUP OUT      L0000230 L0000231 L0000232 L0000233 L0000234 L0000235
SRCGROUP OUT      L0000236 L0000237 L0000238 L0000239 L0000240 L0000241
SRCGROUP OUT      L0000242 L0000243 L0000244 L0000245 L0000246 L0000247
SRCGROUP OUT      L0000248 L0000249 L0000250 L0000251 L0000252 L0000253
SRCGROUP OUT      L0000254 L0000255 L0000256 L0000257 L0000258 L0000259
SRCGROUP OUT      L0000260 L0000261 L0000262 L0000263 L0000264 L0000265
SRCGROUP OUT      L0000266 L0000267 L0000268 L0000269 L0000270 L0000271
SRCGROUP OUT      L0000272 L0000273 L0000274 L0000275 L0000276 L0000277
SRCGROUP OUT      L0000278 L0000279 L0000280 L0000281 L0000282 L0000283
SRCGROUP OUT      L0000284 L0000285 L0000286 L0000287 L0000288 L0000289
SRCGROUP OUT      L0000290 L0000291 L0000292 L0000293 L0000294 L0000295
SRCGROUP OUT      L0000296 L0000297 L0000298 L0000299 L0000300 L0000301
SRCGROUP OUT      L0000302 L0000303 L0000304 L0000305 L0000306 L0000307
SRCGROUP OUT      L0000308 L0000309 L0000310 L0000311 L0000312 L0000313
SRCGROUP OUT      L0000314 L0000315 L0000316 L0000317 L0000318 L0000319
SRCGROUP OUT      L0000320 L0000321 L0000322 L0000323 L0000324 L0000325
SRCGROUP OUT      L0000326 L0000327 L0000328 L0000329 L0000330 L0000331
SRCGROUP OUT      L0000332 L0000333 L0000334 L0000335 L0000336 L0000337
SRCGROUP OUT      L0000338 L0000339 L0000340 L0000341 L0000342 L0000343
SRCGROUP OUT      L0000344 L0000345 L0000346 L0000347 L0000348 L0000349
SRCGROUP OUT      L0000350 L0000351 L0000352 L0000353 L0000354 L0000355
SRCGROUP OUT      L0000356 L0000357 L0000358 L0000359 L0000360 L0000361
SRCGROUP OUT      L0000362 L0000363 L0000364 L0000365 L0000366 L0000367
SRCGROUP OUT      L0000368 L0000369 L0000370 L0000371 L0000372 L0000373
SRCGROUP OUT      L0000374 L0000375 L0000376 L0000377 L0000378 L0000379
SRCGROUP OUT      L0000380 L0000381 L0000382 L0000383 L0000384 L0000385
SRCGROUP OUT      L0000386 L0000387 L0000388 L0000389 L0000390 L0000391
SRCGROUP OUT      L0000392 L0000393 L0000394 L0000395 L0000396 L0000397
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   SRCGROUP OUT      L0000398 L0000399 L0000400 L0000401 L0000402 L0000403
   SRCGROUP OUT      L0000404 L0000405 L0000406 L0000407 L0000408 L0000409
   SRCGROUP OUT      L0000410 L0000411 L0000412 L0000413 L0000414 L0000415
   SRCGROUP OUT      L0000416 L0000417 L0000418 L0000419 L0000420 L0000421
   SRCGROUP OUT      L0000422 L0000423 L0000424 L0000425 L0000426 L0000427
   SRCGROUP OUT      L0000428 L0000429 L0000430 L0000431 L0000432 L0000433
   SRCGROUP OUT      L0000434 L0000435 L0000436 L0000437 L0000438 L0000439
   SRCGROUP OUT      L0000440 L0000441 L0000442 L0000443 L0000444 L0000445
   SRCGROUP OUT      L0000446 L0000447 L0000448 L0000449 L0000450 L0000451
   SRCGROUP OUT      L0000452 L0000453 L0000454 L0000455 L0000456 L0000457
   SRCGROUP OUT      L0000458 L0000459 L0000460 L0000461 L0000462 L0000463
   SRCGROUP OUT      L0000464 L0000465 L0000466 L0000467 L0000468 L0000469
   SRCGROUP OUT      L0000470 L0000471 L0000472 L0000473 L0000474 L0000475
   SRCGROUP OUT      L0000476 L0000477 L0000478 L0000479 L0000480 L0000481
   SRCGROUP OUT      L0000482 L0000483 L0000484 L0000485 L0000486 L0000487
   SRCGROUP OUT      L0000488 L0000489 L0000490 L0000491 L0000492 L0000493
   SRCGROUP OUT      L0000494 L0000495 L0000496 L0000497 L0000498 L0000499
   SRCGROUP OUT      L0000500 L0000501 L0000502 L0000503 L0000504 L0000505
   SRCGROUP OUT      L0000506 L0000507 L0000508 L0000509 L0000510 L0000511
   SRCGROUP OUT      L0000512 L0000513 L0000514 L0000515 L0000516 L0000517
   SRCGROUP OUT      L0000518 L0000519 L0000520 L0000521 L0000522 L0000523
   SRCGROUP OUT      L0000524 L0000525 L0000526 L0000527 L0000528 L0000529
   SRCGROUP OUT      L0000530 L0000531 L0000532 L0000533 L0000534 L0000535
   SRCGROUP OUT      L0000536 L0000537 L0000538 L0000539 L0000540 L0000541
   SRCGROUP OUT      L0000542 L0000543 L0000544 L0000545 L0000546 L0000547
   SRCGROUP OUT      L0000548 L0000549 L0000550 L0000551 L0000552 L0000553
   SRCGROUP OUT      L0000554 L0000555 L0000556 L0000557 L0000558 L0000559
   SRCGROUP OUT      L0000560 L0000561 L0000562 L0000563 L0000564 L0000565
   SRCGROUP OUT      L0000566 L0000567
   SRCGROUP STCK1    STCK1
   SRCGROUP STCK10   STCK10
   SRCGROUP STCK11   STCK11
   SRCGROUP STCK12   STCK12
   SRCGROUP STCK13   STCK13
   SRCGROUP STCK14   STCK14
   SRCGROUP STCK2    STCK2
   SRCGROUP STCK3    STCK3
   SRCGROUP STCK4    STCK4
   SRCGROUP STCK5    STCK5
   SRCGROUP STCK6    STCK6
   SRCGROUP STCK7    STCK7
   SRCGROUP STCK8    STCK8
   SRCGROUP STCK9    STCK9
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Operational.rou
RE FINISHED
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** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC
   PROFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
   SURFDATA 93184 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 170.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 IN 1ST OPERATIONAL.AD\01H1G001.PLT 31
   PLOTFILE 1 ONSITE1 1ST OPERATIONAL.AD\01H1G002.PLT 32
   PLOTFILE 1 OUT 1ST OPERATIONAL.AD\01H1G003.PLT 33
   PLOTFILE 1 STCK1 1ST OPERATIONAL.AD\01H1G004.PLT 34
   PLOTFILE 1 STCK10 1ST OPERATIONAL.AD\01H1G005.PLT 35
   PLOTFILE 1 STCK11 1ST OPERATIONAL.AD\01H1G006.PLT 36
   PLOTFILE 1 STCK12 1ST OPERATIONAL.AD\01H1G007.PLT 37
   PLOTFILE 1 STCK13 1ST OPERATIONAL.AD\01H1G008.PLT 38
   PLOTFILE 1 STCK14 1ST OPERATIONAL.AD\01H1G009.PLT 39
   PLOTFILE 1 STCK2 1ST OPERATIONAL.AD\01H1G010.PLT 40
   PLOTFILE 1 STCK3 1ST OPERATIONAL.AD\01H1G011.PLT 41
   PLOTFILE 1 STCK4 1ST OPERATIONAL.AD\01H1G012.PLT 42
   PLOTFILE 1 STCK5 1ST OPERATIONAL.AD\01H1G013.PLT 43
   PLOTFILE 1 STCK6 1ST OPERATIONAL.AD\01H1G014.PLT 44
   PLOTFILE 1 STCK7 1ST OPERATIONAL.AD\01H1G015.PLT 45
   PLOTFILE 1 STCK8 1ST OPERATIONAL.AD\01H1G016.PLT 46
   PLOTFILE 1 STCK9 1ST OPERATIONAL.AD\01H1G017.PLT 47
   PLOTFILE PERIOD IN OPERATIONAL.AD\PE00G001.PLT 48
   PLOTFILE PERIOD ONSITE1 OPERATIONAL.AD\PE00G002.PLT 49
   PLOTFILE PERIOD OUT OPERATIONAL.AD\PE00G003.PLT 50
   PLOTFILE PERIOD STCK1 OPERATIONAL.AD\PE00G004.PLT 51
   PLOTFILE PERIOD STCK10 OPERATIONAL.AD\PE00G005.PLT 52
   PLOTFILE PERIOD STCK11 OPERATIONAL.AD\PE00G006.PLT 53
   PLOTFILE PERIOD STCK12 OPERATIONAL.AD\PE00G007.PLT 54
   PLOTFILE PERIOD STCK13 OPERATIONAL.AD\PE00G008.PLT 55
   PLOTFILE PERIOD STCK14 OPERATIONAL.AD\PE00G009.PLT 56
   PLOTFILE PERIOD STCK2 OPERATIONAL.AD\PE00G010.PLT 57
   PLOTFILE PERIOD STCK3 OPERATIONAL.AD\PE00G011.PLT 58
   PLOTFILE PERIOD STCK4 OPERATIONAL.AD\PE00G012.PLT 59
   PLOTFILE PERIOD STCK5 OPERATIONAL.AD\PE00G013.PLT 60
   PLOTFILE PERIOD STCK6 OPERATIONAL.AD\PE00G014.PLT 61
   PLOTFILE PERIOD STCK7 OPERATIONAL.AD\PE00G015.PLT 62
   PLOTFILE PERIOD STCK8 OPERATIONAL.AD\PE00G016.PLT 63
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   PLOTFILE PERIOD STCK9 OPERATIONAL.AD\PE00G017.PLT 64
   SUMMFILE Operational.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    2541       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    2541       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE = F
     * Model Uses NO WET DEPLETION. WETDPLT = F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for 1088 Source(s),
       for Total of   1 Urban Area(s):
  Urban Population =   3010232.0 ; Urban Roughness Length = 1.000 m
     * Urban Roughness Length of 1.0 Meter Used.
     * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
    and Calculates PERIOD Averages

**This Run Includes: 1088 Source(s);   17 Source Group(s); and   3305 Receptor(s)

               with: 14 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 1074 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)
                and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

```
**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   170.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                               ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      6.7 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   Operational.err
**File for Summary of Results:   Operational.sum
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.10000E+01	437696.1	3725255.9	216.3	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK2	0	0.10000E+01	437682.7	3725238.4	213.4	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK3	0	0.10000E+01	437688.3	3725245.1	214.5	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK4	0	0.10000E+01	437692.1	3725250.2	215.3	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK5	0	0.10000E+01	437701.6	3725261.6	217.2	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK6	0	0.10000E+01	437716.6	3725279.6	218.2	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK7	0	0.10000E+01	437711.9	3725273.8	218.2	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK8	0	0.10000E+01	437706.8	3725267.8	218.1	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK9	0	0.10000E+01	437674.6	3725230.4	212.8	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK10	0	0.10000E+01	437668.4	3725225.3	212.4	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK11	0	0.10000E+01	437663.8	3725220.3	211.9	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK12	0	0.10000E+01	437721.6	3725286.0	218.3	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK13	0	0.10000E+01	437729.4	3725293.8	218.3	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK14	0	0.10000E+01	437725.8	3725289.9	218.2	3.66	388.70	25.00	0.04	NO	YES	NO	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000001	0	0.13158E-01	437709.7	3725247.3	214.9	0.00	1.42	1.42	YES		NO
L0000002	0	0.13158E-01	437707.9	3725244.9	214.5	0.00	1.42	1.42	YES		NO
L0000003	0	0.13158E-01	437706.0	3725242.5	214.1	0.00	1.42	1.42	YES		NO
L0000004	0	0.13158E-01	437704.2	3725240.1	213.7	0.00	1.42	1.42	YES		NO
L0000005	0	0.13158E-01	437702.3	3725237.6	213.3	0.00	1.42	1.42	YES		NO
L0000006	0	0.13158E-01	437700.5	3725235.2	213.0	0.00	1.42	1.42	YES		NO
L0000007	0	0.13158E-01	437698.6	3725232.8	213.0	0.00	1.42	1.42	YES		NO
L0000008	0	0.13158E-01	437696.8	3725230.4	213.0	0.00	1.42	1.42	YES		NO
L0000009	0	0.13158E-01	437694.9	3725228.0	213.0	0.00	1.42	1.42	YES		NO
L0000010	0	0.13158E-01	437693.0	3725225.6	213.0	0.00	1.42	1.42	YES		NO
L0000011	0	0.13158E-01	437691.2	3725223.1	212.9	0.00	1.42	1.42	YES		NO
L0000012	0	0.13158E-01	437689.3	3725220.7	212.8	0.00	1.42	1.42	YES		NO
L0000013	0	0.13158E-01	437687.5	3725218.3	212.7	0.00	1.42	1.42	YES		NO
L0000014	0	0.13158E-01	437685.5	3725216.0	212.6	0.00	1.42	1.42	YES		NO
L0000015	0	0.13158E-01	437683.4	3725213.8	212.4	0.00	1.42	1.42	YES		NO
L0000016	0	0.13158E-01	437681.3	3725211.6	212.3	0.00	1.42	1.42	YES		NO
L0000017	0	0.13158E-01	437679.2	3725209.4	212.1	0.00	1.42	1.42	YES		NO
L0000018	0	0.13158E-01	437677.1	3725207.2	211.9	0.00	1.42	1.42	YES		NO
L0000019	0	0.13158E-01	437675.0	3725205.0	211.8	0.00	1.42	1.42	YES		NO
L0000020	0	0.13158E-01	437672.9	3725202.8	211.8	0.00	1.42	1.42	YES		NO
L0000021	0	0.13158E-01	437670.5	3725200.9	211.7	0.00	1.42	1.42	YES		NO
L0000022	0	0.13158E-01	437668.0	3725199.1	211.7	0.00	1.42	1.42	YES		NO
L0000023	0	0.13158E-01	437665.5	3725197.3	211.7	0.00	1.42	1.42	YES		NO
L0000024	0	0.13158E-01	437663.0	3725195.6	211.6	0.00	1.42	1.42	YES		NO
L0000025	0	0.13158E-01	437660.6	3725193.8	211.6	0.00	1.42	1.42	YES		NO
L0000026	0	0.13158E-01	437658.1	3725192.0	211.5	0.00	1.42	1.42	YES		NO
L0000027	0	0.13158E-01	437655.6	3725190.2	211.5	0.00	1.42	1.42	YES		NO
L0000028	0	0.13158E-01	437653.1	3725188.4	211.4	0.00	1.42	1.42	YES		NO
L0000029	0	0.13158E-01	437650.4	3725187.1	211.3	0.00	1.42	1.42	YES		NO
L0000030	0	0.13158E-01	437647.6	3725186.1	211.1	0.00	1.42	1.42	YES		NO
L0000031	0	0.13158E-01	437644.7	3725185.1	210.8	0.00	1.42	1.42	YES		NO
L0000032	0	0.13158E-01	437641.8	3725184.1	210.5	0.00	1.42	1.42	YES		NO
L0000033	0	0.13158E-01	437638.9	3725183.1	210.1	0.00	1.42	1.42	YES		NO
L0000034	0	0.13158E-01	437636.0	3725182.4	209.7	0.00	1.42	1.42	YES		NO
L0000035	0	0.13158E-01	437633.0	3725182.0	209.3	0.00	1.42	1.42	YES		NO
L0000036	0	0.13158E-01	437629.9	3725181.6	208.8	0.00	1.42	1.42	YES		NO
L0000037	0	0.13158E-01	437627.1	3725182.5	208.5	0.00	1.42	1.42	YES		NO
L0000038	0	0.13158E-01	437624.2	3725183.6	208.1	0.00	1.42	1.42	YES		NO
L0000039	0	0.13158E-01	437621.4	3725184.6	207.8	0.00	1.42	1.42	YES		NO
L0000040	0	0.13158E-01	437619.1	3725186.6	207.7	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000041	0	0.13158E-01	437616.9	3725188.8	207.8	0.00	1.42	1.42	YES		NO
L0000042	0	0.13158E-01	437614.7	3725190.9	207.8	0.00	1.42	1.42	YES		NO
L0000043	0	0.13158E-01	437612.5	3725193.0	207.9	0.00	1.42	1.42	YES		NO
L0000044	0	0.13158E-01	437610.3	3725195.1	208.0	0.00	1.42	1.42	YES		NO
L0000045	0	0.13158E-01	437608.1	3725197.2	208.0	0.00	1.42	1.42	YES		NO
L0000046	0	0.13158E-01	437606.0	3725199.4	208.1	0.00	1.42	1.42	YES		NO
L0000047	0	0.13158E-01	437603.8	3725201.5	208.2	0.00	1.42	1.42	YES		NO
L0000048	0	0.13158E-01	437601.6	3725203.6	208.2	0.00	1.42	1.42	YES		NO
L0000049	0	0.13158E-01	437599.4	3725205.7	208.3	0.00	1.42	1.42	YES		NO
L0000050	0	0.13158E-01	437597.2	3725207.9	208.4	0.00	1.42	1.42	YES		NO
L0000051	0	0.13158E-01	437595.0	3725210.0	208.5	0.00	1.42	1.42	YES		NO
L0000052	0	0.13158E-01	437592.9	3725212.1	208.6	0.00	1.42	1.42	YES		NO
L0000053	0	0.13158E-01	437590.7	3725214.3	208.6	0.00	1.42	1.42	YES		NO
L0000054	0	0.13158E-01	437588.5	3725216.4	208.6	0.00	1.42	1.42	YES		NO
L0000055	0	0.13158E-01	437586.3	3725218.5	208.5	0.00	1.42	1.42	YES		NO
L0000056	0	0.13158E-01	437584.1	3725220.6	208.4	0.00	1.42	1.42	YES		NO
L0000057	0	0.13158E-01	437581.9	3725222.8	208.3	0.00	1.42	1.42	YES		NO
L0000058	0	0.13158E-01	437579.8	3725224.9	208.3	0.00	1.42	1.42	YES		NO
L0000059	0	0.13158E-01	437577.6	3725227.0	208.2	0.00	1.42	1.42	YES		NO
L0000060	0	0.13158E-01	437575.4	3725229.1	208.1	0.00	1.42	1.42	YES		NO
L0000061	0	0.13158E-01	437573.2	3725231.3	208.0	0.00	1.42	1.42	YES		NO
L0000062	0	0.13158E-01	437571.0	3725233.4	208.0	0.00	1.42	1.42	YES		NO
L0000063	0	0.13158E-01	437568.8	3725235.5	207.9	0.00	1.42	1.42	YES		NO
L0000064	0	0.13158E-01	437566.7	3725237.7	207.7	0.00	1.42	1.42	YES		NO
L0000065	0	0.13158E-01	437564.5	3725239.8	207.6	0.00	1.42	1.42	YES		NO
L0000066	0	0.13158E-01	437562.3	3725241.9	207.3	0.00	1.42	1.42	YES		NO
L0000067	0	0.13158E-01	437560.1	3725244.0	207.1	0.00	1.42	1.42	YES		NO
L0000068	0	0.13158E-01	437557.9	3725246.2	206.8	0.00	1.42	1.42	YES		NO
L0000069	0	0.13158E-01	437555.8	3725248.3	206.5	0.00	1.42	1.42	YES		NO
L0000070	0	0.13158E-01	437553.6	3725250.4	206.3	0.00	1.42	1.42	YES		NO
L0000071	0	0.13158E-01	437551.4	3725252.6	206.1	0.00	1.42	1.42	YES		NO
L0000072	0	0.13158E-01	437549.2	3725254.7	205.8	0.00	1.42	1.42	YES		NO
L0000073	0	0.13158E-01	437547.0	3725256.8	205.6	0.00	1.42	1.42	YES		NO
L0001072	0	0.13158E-01	437544.8	3725258.9	205.4	0.00	1.42	1.42	YES		NO
L0001073	0	0.13158E-01	437542.7	3725261.1	205.2	0.00	1.42	1.42	YES		NO
L0001074	0	0.13158E-01	437540.5	3725263.2	205.0	0.00	1.42	1.42	YES		NO
L0000074	0	0.20243E-02	437532.4	3725260.4	204.1	0.00	1.42	1.42	YES		NO
L0000075	0	0.20243E-02	437530.4	3725258.1	203.8	0.00	1.42	1.42	YES		NO
L0000076	0	0.20243E-02	437528.5	3725255.8	203.6	0.00	1.42	1.42	YES		NO
L0000077	0	0.20243E-02	437526.5	3725253.5	203.4	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000078	0	0.20243E-02	437524.5	3725251.1	203.2	0.00	1.42	1.42	YES		NO
L0000079	0	0.20243E-02	437522.6	3725248.8	203.0	0.00	1.42	1.42	YES		NO
L0000080	0	0.20243E-02	437520.6	3725246.5	202.7	0.00	1.42	1.42	YES		NO
L0000081	0	0.20243E-02	437518.6	3725244.2	202.5	0.00	1.42	1.42	YES		NO
L0000082	0	0.20243E-02	437516.6	3725241.8	202.3	0.00	1.42	1.42	YES		NO
L0000083	0	0.20243E-02	437514.5	3725239.7	202.1	0.00	1.42	1.42	YES		NO
L0000084	0	0.20243E-02	437512.2	3725237.7	201.9	0.00	1.42	1.42	YES		NO
L0000085	0	0.20243E-02	437509.9	3725235.7	201.7	0.00	1.42	1.42	YES		NO
L0000086	0	0.20243E-02	437507.6	3725233.7	201.5	0.00	1.42	1.42	YES		NO
L0000087	0	0.20243E-02	437505.3	3725231.7	201.2	0.00	1.42	1.42	YES		NO
L0000088	0	0.20243E-02	437502.9	3725229.8	201.0	0.00	1.42	1.42	YES		NO
L0000089	0	0.20243E-02	437500.5	3725228.0	200.8	0.00	1.42	1.42	YES		NO
L0000090	0	0.20243E-02	437498.0	3725226.2	200.6	0.00	1.42	1.42	YES		NO
L0000091	0	0.20243E-02	437495.6	3725224.4	200.5	0.00	1.42	1.42	YES		NO
L0000092	0	0.20243E-02	437493.0	3725222.8	200.4	0.00	1.42	1.42	YES		NO
L0000093	0	0.20243E-02	437490.2	3725221.5	200.4	0.00	1.42	1.42	YES		NO
L0000094	0	0.20243E-02	437487.4	3725220.2	200.3	0.00	1.42	1.42	YES		NO
L0000095	0	0.20243E-02	437484.7	3725218.9	200.2	0.00	1.42	1.42	YES		NO
L0000096	0	0.20243E-02	437481.9	3725217.7	200.2	0.00	1.42	1.42	YES		NO
L0000097	0	0.20243E-02	437479.1	3725216.4	200.1	0.00	1.42	1.42	YES		NO
L0000098	0	0.20243E-02	437476.3	3725215.2	200.1	0.00	1.42	1.42	YES		NO
L0000099	0	0.20243E-02	437473.6	3725213.9	200.0	0.00	1.42	1.42	YES		NO
L0000100	0	0.20243E-02	437470.8	3725212.6	200.0	0.00	1.42	1.42	YES		NO
L0000101	0	0.20243E-02	437468.0	3725211.4	200.0	0.00	1.42	1.42	YES		NO
L0000102	0	0.20243E-02	437465.2	3725210.1	200.0	0.00	1.42	1.42	YES		NO
L0000103	0	0.20243E-02	437462.5	3725208.9	200.0	0.00	1.42	1.42	YES		NO
L0000104	0	0.20243E-02	437459.7	3725207.6	200.0	0.00	1.42	1.42	YES		NO
L0000105	0	0.20243E-02	437456.9	3725206.4	200.0	0.00	1.42	1.42	YES		NO
L0000106	0	0.20243E-02	437454.0	3725205.3	200.0	0.00	1.42	1.42	YES		NO
L0000107	0	0.20243E-02	437451.2	3725204.2	200.0	0.00	1.42	1.42	YES		NO
L0000108	0	0.20243E-02	437448.4	3725203.1	199.9	0.00	1.42	1.42	YES		NO
L0000109	0	0.20243E-02	437445.5	3725201.9	199.9	0.00	1.42	1.42	YES		NO
L0000110	0	0.20243E-02	437442.7	3725200.8	199.8	0.00	1.42	1.42	YES		NO
L0000111	0	0.20243E-02	437439.9	3725199.7	199.8	0.00	1.42	1.42	YES		NO
L0000112	0	0.20243E-02	437437.0	3725198.6	199.8	0.00	1.42	1.42	YES		NO
L0000113	0	0.20243E-02	437434.2	3725197.4	199.9	0.00	1.42	1.42	YES		NO
L0000114	0	0.20243E-02	437431.4	3725196.3	200.0	0.00	1.42	1.42	YES		NO
L0000115	0	0.20243E-02	437428.5	3725195.2	200.0	0.00	1.42	1.42	YES		NO
L0000116	0	0.20243E-02	437425.7	3725194.1	200.1	0.00	1.42	1.42	YES		NO
L0000117	0	0.20243E-02	437422.9	3725193.0	200.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000118	0	0.20243E-02	437420.0	3725191.8	200.2	0.00	1.42	1.42	YES		NO
L0000119	0	0.20243E-02	437417.2	3725191.4	200.3	0.00	1.42	1.42	YES		NO
L0000120	0	0.20243E-02	437414.2	3725192.0	200.4	0.00	1.42	1.42	YES		NO
L0000121	0	0.20243E-02	437411.2	3725192.7	200.5	0.00	1.42	1.42	YES		NO
L0000122	0	0.20243E-02	437408.6	3725193.9	200.8	0.00	1.42	1.42	YES		NO
L0000123	0	0.20243E-02	437406.4	3725196.1	201.3	0.00	1.42	1.42	YES		NO
L0000124	0	0.20243E-02	437404.3	3725198.3	201.8	0.00	1.42	1.42	YES		NO
L0000125	0	0.20243E-02	437402.2	3725200.5	202.2	0.00	1.42	1.42	YES		NO
L0000126	0	0.20243E-02	437400.9	3725203.2	202.4	0.00	1.42	1.42	YES		NO
L0000127	0	0.20243E-02	437399.7	3725206.0	202.7	0.00	1.42	1.42	YES		NO
L0000128	0	0.20243E-02	437398.4	3725208.8	203.0	0.00	1.42	1.42	YES		NO
L0000129	0	0.20243E-02	437397.2	3725211.6	203.3	0.00	1.42	1.42	YES		NO
L0000130	0	0.20243E-02	437395.9	3725214.4	203.6	0.00	1.42	1.42	YES		NO
L0000131	0	0.20243E-02	437395.0	3725217.2	203.8	0.00	1.42	1.42	YES		NO
L0000132	0	0.20243E-02	437394.3	3725220.2	204.0	0.00	1.42	1.42	YES		NO
L0000133	0	0.20243E-02	437393.6	3725223.2	204.2	0.00	1.42	1.42	YES		NO
L0000134	0	0.20243E-02	437392.9	3725226.1	204.4	0.00	1.42	1.42	YES		NO
L0000135	0	0.20243E-02	437392.2	3725229.1	204.5	0.00	1.42	1.42	YES		NO
L0000136	0	0.20243E-02	437391.5	3725232.1	204.7	0.00	1.42	1.42	YES		NO
L0000137	0	0.20243E-02	437390.8	3725235.0	204.9	0.00	1.42	1.42	YES		NO
L0000138	0	0.20243E-02	437390.1	3725238.0	205.2	0.00	1.42	1.42	YES		NO
L0000139	0	0.20243E-02	437389.4	3725241.0	205.6	0.00	1.42	1.42	YES		NO
L0000140	0	0.20243E-02	437388.7	3725244.0	206.0	0.00	1.42	1.42	YES		NO
L0000141	0	0.20243E-02	437388.0	3725246.9	206.3	0.00	1.42	1.42	YES		NO
L0000142	0	0.20243E-02	437387.3	3725249.9	206.7	0.00	1.42	1.42	YES		NO
L0000143	0	0.20243E-02	437386.6	3725252.9	207.1	0.00	1.42	1.42	YES		NO
L0000144	0	0.20243E-02	437385.9	3725255.8	207.5	0.00	1.42	1.42	YES		NO
L0000145	0	0.20243E-02	437385.3	3725258.8	207.8	0.00	1.42	1.42	YES		NO
L0000146	0	0.20243E-02	437384.7	3725261.8	208.2	0.00	1.42	1.42	YES		NO
L0000147	0	0.20243E-02	437384.2	3725264.8	208.6	0.00	1.42	1.42	YES		NO
L0000148	0	0.20243E-02	437383.8	3725267.8	208.8	0.00	1.42	1.42	YES		NO
L0000149	0	0.20243E-02	437383.4	3725270.8	209.1	0.00	1.42	1.42	YES		NO
L0000150	0	0.20243E-02	437382.9	3725273.8	209.3	0.00	1.42	1.42	YES		NO
L0000151	0	0.20243E-02	437382.5	3725276.9	209.5	0.00	1.42	1.42	YES		NO
L0000152	0	0.20243E-02	437382.1	3725279.9	209.8	0.00	1.42	1.42	YES		NO
L0000153	0	0.20243E-02	437381.7	3725282.9	210.0	0.00	1.42	1.42	YES		NO
L0000154	0	0.20243E-02	437381.2	3725285.9	210.2	0.00	1.42	1.42	YES		NO
L0000155	0	0.20243E-02	437380.8	3725288.9	210.4	0.00	1.42	1.42	YES		NO
L0000156	0	0.20243E-02	437380.4	3725292.0	210.7	0.00	1.42	1.42	YES		NO
L0000157	0	0.20243E-02	437380.0	3725295.0	210.9	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000158	0	0.20243E-02	437379.5	3725298.0	211.1	0.00	1.42	1.42	YES		NO
L0000159	0	0.20243E-02	437379.1	3725301.0	211.4	0.00	1.42	1.42	YES		NO
L0000160	0	0.20243E-02	437378.7	3725304.0	211.6	0.00	1.42	1.42	YES		NO
L0000161	0	0.20243E-02	437378.2	3725307.0	211.9	0.00	1.42	1.42	YES		NO
L0000162	0	0.20243E-02	437377.8	3725310.1	212.1	0.00	1.42	1.42	YES		NO
L0000163	0	0.20243E-02	437377.4	3725313.1	212.4	0.00	1.42	1.42	YES		NO
L0000164	0	0.20243E-02	437377.0	3725316.1	212.6	0.00	1.42	1.42	YES		NO
L0000165	0	0.20243E-02	437376.5	3725319.1	212.9	0.00	1.42	1.42	YES		NO
L0000166	0	0.20243E-02	437376.1	3725322.1	213.2	0.00	1.42	1.42	YES		NO
L0000167	0	0.20243E-02	437375.7	3725325.2	213.5	0.00	1.42	1.42	YES		NO
L0000168	0	0.20243E-02	437375.2	3725328.2	213.8	0.00	1.42	1.42	YES		NO
L0000169	0	0.20243E-02	437374.8	3725331.2	214.1	0.00	1.42	1.42	YES		NO
L0000170	0	0.20243E-02	437374.4	3725334.2	214.5	0.00	1.42	1.42	YES		NO
L0000171	0	0.20243E-02	437374.0	3725337.2	214.9	0.00	1.42	1.42	YES		NO
L0000172	0	0.20243E-02	437373.5	3725340.2	215.2	0.00	1.42	1.42	YES		NO
L0000173	0	0.20243E-02	437373.1	3725343.3	215.6	0.00	1.42	1.42	YES		NO
L0000174	0	0.20243E-02	437372.7	3725346.3	215.9	0.00	1.42	1.42	YES		NO
L0000175	0	0.20243E-02	437372.2	3725349.3	216.3	0.00	1.42	1.42	YES		NO
L0000176	0	0.20243E-02	437371.8	3725352.3	216.7	0.00	1.42	1.42	YES		NO
L0000177	0	0.20243E-02	437371.4	3725355.3	217.0	0.00	1.42	1.42	YES		NO
L0000178	0	0.20243E-02	437371.0	3725358.3	217.2	0.00	1.42	1.42	YES		NO
L0000179	0	0.20243E-02	437370.5	3725361.4	217.3	0.00	1.42	1.42	YES		NO
L0000180	0	0.20243E-02	437370.1	3725364.4	217.5	0.00	1.42	1.42	YES		NO
L0000181	0	0.20243E-02	437369.7	3725367.4	217.6	0.00	1.42	1.42	YES		NO
L0000182	0	0.20243E-02	437369.3	3725370.4	217.7	0.00	1.42	1.42	YES		NO
L0000183	0	0.20243E-02	437368.8	3725373.4	217.8	0.00	1.42	1.42	YES		NO
L0000184	0	0.20243E-02	437368.4	3725376.5	217.9	0.00	1.42	1.42	YES		NO
L0000185	0	0.20243E-02	437368.0	3725379.5	218.0	0.00	1.42	1.42	YES		NO
L0000186	0	0.20243E-02	437367.5	3725382.5	218.1	0.00	1.42	1.42	YES		NO
L0000187	0	0.20243E-02	437367.1	3725385.5	218.2	0.00	1.42	1.42	YES		NO
L0000188	0	0.20243E-02	437366.7	3725388.5	217.9	0.00	1.42	1.42	YES		NO
L0000189	0	0.20243E-02	437366.3	3725391.5	217.4	0.00	1.42	1.42	YES		NO
L0000190	0	0.20243E-02	437365.8	3725394.6	216.9	0.00	1.42	1.42	YES		NO
L0000191	0	0.20243E-02	437365.4	3725397.6	216.4	0.00	1.42	1.42	YES		NO
L0000192	0	0.20243E-02	437365.0	3725400.6	215.8	0.00	1.42	1.42	YES		NO
L0000193	0	0.20243E-02	437364.5	3725403.6	215.3	0.00	1.42	1.42	YES		NO
L0000194	0	0.20243E-02	437364.1	3725406.6	214.8	0.00	1.42	1.42	YES		NO
L0000195	0	0.20243E-02	437363.7	3725409.7	214.2	0.00	1.42	1.42	YES		NO
L0000196	0	0.20243E-02	437363.3	3725412.7	213.7	0.00	1.42	1.42	YES		NO
L0000197	0	0.20243E-02	437362.8	3725415.7	213.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000198	0	0.20243E-02	437362.4	3725418.7	212.9	0.00	1.42	1.42	YES		NO
L0000199	0	0.20243E-02	437362.0	3725421.7	212.8	0.00	1.42	1.42	YES		NO
L0000200	0	0.20243E-02	437361.6	3725424.7	212.7	0.00	1.42	1.42	YES		NO
L0000201	0	0.20243E-02	437361.1	3725427.8	212.6	0.00	1.42	1.42	YES		NO
L0000202	0	0.20243E-02	437360.7	3725430.8	212.5	0.00	1.42	1.42	YES		NO
L0000203	0	0.20243E-02	437360.3	3725433.8	212.4	0.00	1.42	1.42	YES		NO
L0000204	0	0.20243E-02	437359.8	3725436.8	212.3	0.00	1.42	1.42	YES		NO
L0000205	0	0.20243E-02	437359.4	3725439.8	212.2	0.00	1.42	1.42	YES		NO
L0000206	0	0.20243E-02	437359.0	3725442.8	212.1	0.00	1.42	1.42	YES		NO
L0000207	0	0.20243E-02	437358.6	3725445.9	212.0	0.00	1.42	1.42	YES		NO
L0000208	0	0.20243E-02	437358.1	3725448.9	212.1	0.00	1.42	1.42	YES		NO
L0000209	0	0.20243E-02	437357.7	3725451.9	212.2	0.00	1.42	1.42	YES		NO
L0000210	0	0.20243E-02	437357.3	3725454.9	212.3	0.00	1.42	1.42	YES		NO
L0000211	0	0.20243E-02	437356.8	3725457.9	212.4	0.00	1.42	1.42	YES		NO
L0000212	0	0.20243E-02	437356.4	3725461.0	212.5	0.00	1.42	1.42	YES		NO
L0000213	0	0.20243E-02	437356.0	3725464.0	212.6	0.00	1.42	1.42	YES		NO
L0000214	0	0.20243E-02	437355.6	3725467.0	212.7	0.00	1.42	1.42	YES		NO
L0000215	0	0.20243E-02	437355.1	3725470.0	212.8	0.00	1.42	1.42	YES		NO
L0000216	0	0.20243E-02	437354.7	3725473.0	212.9	0.00	1.42	1.42	YES		NO
L0000217	0	0.20243E-02	437354.3	3725476.0	213.0	0.00	1.42	1.42	YES		NO
L0000218	0	0.20243E-02	437353.9	3725479.1	213.2	0.00	1.42	1.42	YES		NO
L0000219	0	0.20243E-02	437353.4	3725482.1	213.5	0.00	1.42	1.42	YES		NO
L0000220	0	0.20243E-02	437353.0	3725485.1	213.7	0.00	1.42	1.42	YES		NO
L0000221	0	0.20243E-02	437352.6	3725488.1	213.9	0.00	1.42	1.42	YES		NO
L0000222	0	0.20243E-02	437352.1	3725491.1	214.1	0.00	1.42	1.42	YES		NO
L0000223	0	0.20243E-02	437351.7	3725494.2	214.3	0.00	1.42	1.42	YES		NO
L0000224	0	0.20243E-02	437353.2	3725496.6	214.5	0.00	1.42	1.42	YES		NO
L0000225	0	0.20243E-02	437355.3	3725498.8	214.8	0.00	1.42	1.42	YES		NO
L0000226	0	0.20243E-02	437357.4	3725500.9	215.1	0.00	1.42	1.42	YES		NO
L0000227	0	0.20243E-02	437359.9	3725502.5	215.4	0.00	1.42	1.42	YES		NO
L0000228	0	0.20243E-02	437362.8	3725503.5	215.6	0.00	1.42	1.42	YES		NO
L0000229	0	0.20243E-02	437365.7	3725504.4	215.9	0.00	1.42	1.42	YES		NO
L0000230	0	0.20243E-02	437368.6	3725505.4	216.2	0.00	1.42	1.42	YES		NO
L0000231	0	0.20243E-02	437371.6	3725506.1	216.5	0.00	1.42	1.42	YES		NO
L0000232	0	0.20243E-02	437374.5	3725506.7	216.7	0.00	1.42	1.42	YES		NO
L0000233	0	0.20243E-02	437377.5	3725507.3	217.0	0.00	1.42	1.42	YES		NO
L0000234	0	0.20243E-02	437380.5	3725507.9	217.2	0.00	1.42	1.42	YES		NO
L0000235	0	0.20243E-02	437383.5	3725508.5	217.1	0.00	1.42	1.42	YES		NO
L0000236	0	0.20243E-02	437386.5	3725509.1	217.1	0.00	1.42	1.42	YES		NO
L0000237	0	0.20243E-02	437389.5	3725509.7	217.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000238	0	0.20243E-02	437392.5	3725510.3	217.1	0.00	1.42	1.42	YES		NO
L0000239	0	0.20243E-02	437395.4	3725511.1	217.1	0.00	1.42	1.42	YES		NO
L0000240	0	0.20243E-02	437398.3	3725511.9	217.1	0.00	1.42	1.42	YES		NO
L0000241	0	0.20243E-02	437401.3	3725512.7	217.1	0.00	1.42	1.42	YES		NO
L0000242	0	0.20243E-02	437404.2	3725513.5	217.1	0.00	1.42	1.42	YES		NO
L0000243	0	0.20243E-02	437407.2	3725514.3	217.1	0.00	1.42	1.42	YES		NO
L0000244	0	0.20243E-02	437410.1	3725515.1	217.1	0.00	1.42	1.42	YES		NO
L0000245	0	0.20243E-02	437413.1	3725515.9	217.0	0.00	1.42	1.42	YES		NO
L0000246	0	0.20243E-02	437416.0	3725516.6	216.8	0.00	1.42	1.42	YES		NO
L0000247	0	0.20243E-02	437418.9	3725517.4	216.7	0.00	1.42	1.42	YES		NO
L0000248	0	0.20243E-02	437421.9	3725518.2	216.6	0.00	1.42	1.42	YES		NO
L0000249	0	0.20243E-02	437424.8	3725519.0	216.4	0.00	1.42	1.42	YES		NO
L0000250	0	0.20243E-02	437427.8	3725519.8	216.3	0.00	1.42	1.42	YES		NO
L0000251	0	0.20243E-02	437430.7	3725520.6	216.2	0.00	1.42	1.42	YES		NO
L0000252	0	0.20243E-02	437433.6	3725521.5	216.1	0.00	1.42	1.42	YES		NO
L0000253	0	0.20243E-02	437436.5	3725522.4	216.0	0.00	1.42	1.42	YES		NO
L0000254	0	0.20243E-02	437439.4	3725523.4	215.9	0.00	1.42	1.42	YES		NO
L0000255	0	0.20243E-02	437442.3	3725524.4	215.8	0.00	1.42	1.42	YES		NO
L0000256	0	0.20243E-02	437445.2	3725525.4	215.6	0.00	1.42	1.42	YES		NO
L0000257	0	0.20243E-02	437448.1	3725526.3	215.4	0.00	1.42	1.42	YES		NO
L0000258	0	0.20243E-02	437451.0	3725527.3	215.2	0.00	1.42	1.42	YES		NO
L0000259	0	0.20243E-02	437453.9	3725528.3	215.0	0.00	1.42	1.42	YES		NO
L0000260	0	0.20243E-02	437456.8	3725529.2	214.8	0.00	1.42	1.42	YES		NO
L0000261	0	0.20243E-02	437459.6	3725530.2	214.6	0.00	1.42	1.42	YES		NO
L0000262	0	0.20243E-02	437462.5	3725531.2	214.4	0.00	1.42	1.42	YES		NO
L0000263	0	0.20243E-02	437465.4	3725532.1	214.1	0.00	1.42	1.42	YES		NO
L0000264	0	0.20243E-02	437468.3	3725533.1	213.9	0.00	1.42	1.42	YES		NO
L0000265	0	0.20243E-02	437471.2	3725534.2	213.7	0.00	1.42	1.42	YES		NO
L0000266	0	0.20243E-02	437474.0	3725535.3	213.5	0.00	1.42	1.42	YES		NO
L0000267	0	0.20243E-02	437476.8	3725536.5	213.3	0.00	1.42	1.42	YES		NO
L0000268	0	0.20243E-02	437479.6	3725537.6	213.1	0.00	1.42	1.42	YES		NO
L0000269	0	0.20243E-02	437482.5	3725538.8	212.9	0.00	1.42	1.42	YES		NO
L0000270	0	0.20243E-02	437485.3	3725539.9	212.7	0.00	1.42	1.42	YES		NO
L0000271	0	0.20243E-02	437488.1	3725541.1	212.5	0.00	1.42	1.42	YES		NO
L0000272	0	0.20243E-02	437490.9	3725542.2	212.3	0.00	1.42	1.42	YES		NO
L0000273	0	0.20243E-02	437493.8	3725543.4	212.1	0.00	1.42	1.42	YES		NO
L0000274	0	0.20243E-02	437496.6	3725544.5	211.9	0.00	1.42	1.42	YES		NO
L0000275	0	0.20243E-02	437499.4	3725545.7	211.7	0.00	1.42	1.42	YES		NO
L0000276	0	0.20243E-02	437502.2	3725546.8	211.5	0.00	1.42	1.42	YES		NO
L0000277	0	0.20243E-02	437505.1	3725548.0	211.3	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000278	0	0.20243E-02	437507.9	3725549.1	211.2	0.00	1.42	1.42	YES		NO
L0000279	0	0.20243E-02	437510.6	3725550.4	211.0	0.00	1.42	1.42	YES		NO
L0000280	0	0.20243E-02	437513.4	3725551.8	210.9	0.00	1.42	1.42	YES		NO
L0000281	0	0.20243E-02	437516.1	3725553.1	210.8	0.00	1.42	1.42	YES		NO
L0000282	0	0.20243E-02	437518.8	3725554.5	210.7	0.00	1.42	1.42	YES		NO
L0000283	0	0.20243E-02	437521.5	3725555.9	210.6	0.00	1.42	1.42	YES		NO
L0000284	0	0.20243E-02	437524.2	3725557.2	210.5	0.00	1.42	1.42	YES		NO
L0000285	0	0.20243E-02	437527.0	3725558.6	210.5	0.00	1.42	1.42	YES		NO
L0000286	0	0.20243E-02	437529.7	3725560.0	210.4	0.00	1.42	1.42	YES		NO
L0000287	0	0.20243E-02	437532.4	3725561.4	210.3	0.00	1.42	1.42	YES		NO
L0000288	0	0.20243E-02	437535.1	3725562.7	210.2	0.00	1.42	1.42	YES		NO
L0000289	0	0.20243E-02	437537.9	3725564.1	210.0	0.00	1.42	1.42	YES		NO
L0000290	0	0.20243E-02	437540.6	3725565.5	209.9	0.00	1.42	1.42	YES		NO
L0000291	0	0.20243E-02	437543.3	3725566.8	209.7	0.00	1.42	1.42	YES		NO
L0000292	0	0.20243E-02	437546.0	3725568.2	209.6	0.00	1.42	1.42	YES		NO
L0000293	0	0.20243E-02	437548.8	3725569.6	209.4	0.00	1.42	1.42	YES		NO
L0000294	0	0.20243E-02	437551.5	3725571.0	209.3	0.00	1.42	1.42	YES		NO
L0000295	0	0.20243E-02	437554.1	3725572.4	209.2	0.00	1.42	1.42	YES		NO
L0000296	0	0.20243E-02	437556.7	3725574.0	209.1	0.00	1.42	1.42	YES		NO
L0000297	0	0.20243E-02	437559.3	3725575.7	209.0	0.00	1.42	1.42	YES		NO
L0000298	0	0.20243E-02	437561.9	3725577.3	209.0	0.00	1.42	1.42	YES		NO
L0000299	0	0.20243E-02	437564.5	3725578.9	209.1	0.00	1.42	1.42	YES		NO
L0000300	0	0.20243E-02	437567.1	3725580.5	209.1	0.00	1.42	1.42	YES		NO
L0000301	0	0.20243E-02	437569.6	3725582.1	209.1	0.00	1.42	1.42	YES		NO
L0000302	0	0.20243E-02	437572.2	3725583.7	209.1	0.00	1.42	1.42	YES		NO
L0000303	0	0.20243E-02	437574.8	3725585.4	209.1	0.00	1.42	1.42	YES		NO
L0000304	0	0.20243E-02	437577.4	3725587.0	209.1	0.00	1.42	1.42	YES		NO
L0000305	0	0.20243E-02	437580.0	3725588.6	209.1	0.00	1.42	1.42	YES		NO
L0000306	0	0.20243E-02	437582.6	3725590.2	209.0	0.00	1.42	1.42	YES		NO
L0000307	0	0.20243E-02	437585.1	3725591.8	209.0	0.00	1.42	1.42	YES		NO
L0000308	0	0.20243E-02	437587.7	3725593.5	208.9	0.00	1.42	1.42	YES		NO
L0000309	0	0.20243E-02	437590.3	3725595.1	208.9	0.00	1.42	1.42	YES		NO
L0000310	0	0.20243E-02	437592.8	3725596.8	209.1	0.00	1.42	1.42	YES		NO
L0000311	0	0.20243E-02	437595.3	3725598.6	209.2	0.00	1.42	1.42	YES		NO
L0000312	0	0.20243E-02	437597.7	3725600.4	209.3	0.00	1.42	1.42	YES		NO
L0000313	0	0.20243E-02	437600.2	3725602.2	209.4	0.00	1.42	1.42	YES		NO
L0000314	0	0.20243E-02	437602.6	3725604.0	209.5	0.00	1.42	1.42	YES		NO
L0000315	0	0.20243E-02	437605.1	3725605.8	209.7	0.00	1.42	1.42	YES		NO
L0000316	0	0.20243E-02	437607.6	3725607.6	209.8	0.00	1.42	1.42	YES		NO
L0000317	0	0.20243E-02	437610.0	3725609.4	209.9	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000318	0	0.20243E-02	437612.5	3725611.2	210.0	0.00	1.42	1.42	YES		NO
L0000319	0	0.20243E-02	437615.0	3725613.0	210.1	0.00	1.42	1.42	YES		NO
L0000320	0	0.20243E-02	437617.4	3725614.8	210.2	0.00	1.42	1.42	YES		NO
L0000321	0	0.20243E-02	437619.9	3725616.6	210.4	0.00	1.42	1.42	YES		NO
L0000322	0	0.20243E-02	437622.4	3725618.4	210.5	0.00	1.42	1.42	YES		NO
L0000323	0	0.20243E-02	437624.8	3725620.2	210.6	0.00	1.42	1.42	YES		NO
L0000324	0	0.20243E-02	437627.3	3725622.0	210.7	0.00	1.42	1.42	YES		NO
L0000325	0	0.20243E-02	437629.6	3725623.9	210.9	0.00	1.42	1.42	YES		NO
L0000326	0	0.20243E-02	437631.9	3725625.9	211.0	0.00	1.42	1.42	YES		NO
L0000327	0	0.20243E-02	437634.2	3725627.9	211.2	0.00	1.42	1.42	YES		NO
L0000328	0	0.20243E-02	437636.6	3725629.9	211.3	0.00	1.42	1.42	YES		NO
L0000329	0	0.20243E-02	437638.9	3725631.8	211.5	0.00	1.42	1.42	YES		NO
L0000330	0	0.20243E-02	437641.2	3725633.8	211.6	0.00	1.42	1.42	YES		NO
L0000331	0	0.20243E-02	437643.5	3725635.8	211.7	0.00	1.42	1.42	YES		NO
L0000332	0	0.20243E-02	437645.8	3725637.8	211.8	0.00	1.42	1.42	YES		NO
L0000333	0	0.20243E-02	437648.2	3725639.8	211.9	0.00	1.42	1.42	YES		NO
L0000334	0	0.20243E-02	437650.5	3725641.7	212.0	0.00	1.42	1.42	YES		NO
L0000335	0	0.20243E-02	437652.8	3725643.7	212.1	0.00	1.42	1.42	YES		NO
L0000336	0	0.20243E-02	437655.1	3725645.7	212.2	0.00	1.42	1.42	YES		NO
L0000337	0	0.20243E-02	437657.4	3725647.7	212.4	0.00	1.42	1.42	YES		NO
L0000338	0	0.20243E-02	437659.8	3725649.6	212.5	0.00	1.42	1.42	YES		NO
L0000339	0	0.20243E-02	437662.1	3725651.6	212.6	0.00	1.42	1.42	YES		NO
L0000340	0	0.20243E-02	437664.4	3725653.6	212.8	0.00	1.42	1.42	YES		NO
L0000341	0	0.20243E-02	437666.7	3725655.6	213.0	0.00	1.42	1.42	YES		NO
L0000342	0	0.20243E-02	437669.0	3725657.5	213.2	0.00	1.42	1.42	YES		NO
L0000343	0	0.20243E-02	437671.4	3725659.5	213.4	0.00	1.42	1.42	YES		NO
L0000344	0	0.20243E-02	437673.7	3725661.5	213.6	0.00	1.42	1.42	YES		NO
L0000345	0	0.20243E-02	437676.0	3725663.5	213.8	0.00	1.42	1.42	YES		NO
L0000346	0	0.20243E-02	437678.3	3725665.5	214.0	0.00	1.42	1.42	YES		NO
L0000347	0	0.20243E-02	437680.6	3725667.4	214.1	0.00	1.42	1.42	YES		NO
L0000348	0	0.20243E-02	437683.0	3725669.4	214.3	0.00	1.42	1.42	YES		NO
L0000349	0	0.20243E-02	437685.3	3725671.4	214.5	0.00	1.42	1.42	YES		NO
L0000350	0	0.20243E-02	437687.6	3725673.4	214.7	0.00	1.42	1.42	YES		NO
L0000351	0	0.20243E-02	437689.9	3725675.3	214.9	0.00	1.42	1.42	YES		NO
L0000352	0	0.20243E-02	437692.2	3725677.3	215.1	0.00	1.42	1.42	YES		NO
L0000353	0	0.20243E-02	437694.5	3725679.3	215.3	0.00	1.42	1.42	YES		NO
L0000354	0	0.20243E-02	437696.8	3725681.3	215.5	0.00	1.42	1.42	YES		NO
L0000355	0	0.20243E-02	437699.1	3725683.3	215.7	0.00	1.42	1.42	YES		NO
L0000356	0	0.20243E-02	437701.4	3725685.3	215.9	0.00	1.42	1.42	YES		NO
L0000357	0	0.20243E-02	437703.7	3725687.3	216.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000358	0	0.20243E-02	437706.0	3725689.3	216.3	0.00	1.42	1.42	YES		NO
L0000359	0	0.20243E-02	437708.3	3725691.3	216.5	0.00	1.42	1.42	YES		NO
L0000360	0	0.20243E-02	437710.7	3725693.3	216.7	0.00	1.42	1.42	YES		NO
L0000361	0	0.20243E-02	437713.0	3725695.3	217.0	0.00	1.42	1.42	YES		NO
L0000362	0	0.20243E-02	437715.3	3725697.3	217.2	0.00	1.42	1.42	YES		NO
L0000363	0	0.20243E-02	437717.6	3725699.3	217.4	0.00	1.42	1.42	YES		NO
L0000364	0	0.20243E-02	437719.9	3725701.3	217.5	0.00	1.42	1.42	YES		NO
L0000365	0	0.20243E-02	437722.2	3725703.3	217.7	0.00	1.42	1.42	YES		NO
L0000366	0	0.20243E-02	437724.5	3725705.3	217.8	0.00	1.42	1.42	YES		NO
L0000367	0	0.20243E-02	437726.8	3725707.3	217.9	0.00	1.42	1.42	YES		NO
L0000368	0	0.20243E-02	437729.1	3725709.3	218.0	0.00	1.42	1.42	YES		NO
L0000369	0	0.20243E-02	437731.4	3725711.3	218.0	0.00	1.42	1.42	YES		NO
L0000370	0	0.20243E-02	437733.7	3725713.3	218.1	0.00	1.42	1.42	YES		NO
L0000371	0	0.20243E-02	437736.0	3725715.3	218.1	0.00	1.42	1.42	YES		NO
L0000372	0	0.20243E-02	437738.3	3725717.3	218.2	0.00	1.42	1.42	YES		NO
L0000373	0	0.20243E-02	437740.6	3725719.3	218.3	0.00	1.42	1.42	YES		NO
L0000374	0	0.20243E-02	437742.9	3725721.3	218.5	0.00	1.42	1.42	YES		NO
L0000375	0	0.20243E-02	437745.2	3725723.3	218.6	0.00	1.42	1.42	YES		NO
L0000376	0	0.20243E-02	437747.5	3725725.3	218.8	0.00	1.42	1.42	YES		NO
L0000377	0	0.20243E-02	437749.8	3725727.3	218.9	0.00	1.42	1.42	YES		NO
L0000378	0	0.20243E-02	437752.1	3725729.3	219.0	0.00	1.42	1.42	YES		NO
L0000379	0	0.20243E-02	437754.4	3725731.3	219.0	0.00	1.42	1.42	YES		NO
L0000380	0	0.20243E-02	437756.7	3725733.3	219.1	0.00	1.42	1.42	YES		NO
L0000381	0	0.20243E-02	437759.0	3725735.3	219.1	0.00	1.42	1.42	YES		NO
L0000382	0	0.20243E-02	437761.3	3725737.3	219.1	0.00	1.42	1.42	YES		NO
L0000383	0	0.20243E-02	437763.6	3725739.3	219.1	0.00	1.42	1.42	YES		NO
L0000384	0	0.20243E-02	437765.9	3725741.2	219.0	0.00	1.42	1.42	YES		NO
L0000385	0	0.20243E-02	437768.2	3725743.2	219.0	0.00	1.42	1.42	YES		NO
L0000386	0	0.20243E-02	437770.5	3725745.2	218.9	0.00	1.42	1.42	YES		NO
L0000387	0	0.20243E-02	437772.8	3725747.2	218.9	0.00	1.42	1.42	YES		NO
L0000388	0	0.20243E-02	437775.1	3725749.2	218.9	0.00	1.42	1.42	YES		NO
L0000389	0	0.20243E-02	437777.4	3725751.2	219.0	0.00	1.42	1.42	YES		NO
L0000390	0	0.20243E-02	437779.7	3725753.2	219.0	0.00	1.42	1.42	YES		NO
L0000391	0	0.20243E-02	437782.0	3725755.2	219.0	0.00	1.42	1.42	YES		NO
L0000392	0	0.20243E-02	437784.3	3725757.2	219.0	0.00	1.42	1.42	YES		NO
L0000393	0	0.20243E-02	437786.6	3725759.2	218.9	0.00	1.42	1.42	YES		NO
L0000394	0	0.20243E-02	437788.9	3725761.2	218.9	0.00	1.42	1.42	YES		NO
L0000395	0	0.20243E-02	437791.3	3725763.2	218.9	0.00	1.42	1.42	YES		NO
L0000396	0	0.20243E-02	437793.6	3725765.2	218.8	0.00	1.42	1.42	YES		NO
L0000397	0	0.20243E-02	437795.9	3725767.2	218.7	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000398	0	0.20243E-02	437798.2	3725769.2	218.7	0.00	1.42	1.42	YES		NO
L0000399	0	0.20243E-02	437800.5	3725771.2	218.6	0.00	1.42	1.42	YES		NO
L0000400	0	0.20243E-02	437802.8	3725773.2	218.6	0.00	1.42	1.42	YES		NO
L0000401	0	0.20243E-02	437805.1	3725775.1	218.6	0.00	1.42	1.42	YES		NO
L0000402	0	0.20243E-02	437807.4	3725777.1	218.5	0.00	1.42	1.42	YES		NO
L0000403	0	0.20243E-02	437809.7	3725779.1	218.5	0.00	1.42	1.42	YES		NO
L0000404	0	0.20243E-02	437812.0	3725781.1	218.4	0.00	1.42	1.42	YES		NO
L0000405	0	0.20243E-02	437814.3	3725783.1	218.4	0.00	1.42	1.42	YES		NO
L0000406	0	0.20243E-02	437816.6	3725785.1	218.3	0.00	1.42	1.42	YES		NO
L0000407	0	0.20243E-02	437818.9	3725787.1	218.2	0.00	1.42	1.42	YES		NO
L0000408	0	0.20243E-02	437821.2	3725789.1	218.1	0.00	1.42	1.42	YES		NO
L0000409	0	0.20243E-02	437823.5	3725791.1	218.0	0.00	1.42	1.42	YES		NO
L0000410	0	0.20243E-02	437825.8	3725793.1	217.9	0.00	1.42	1.42	YES		NO
L0000411	0	0.20243E-02	437828.2	3725795.1	217.8	0.00	1.42	1.42	YES		NO
L0000412	0	0.20243E-02	437830.5	3725797.1	217.7	0.00	1.42	1.42	YES		NO
L0000413	0	0.20243E-02	437832.8	3725799.1	217.6	0.00	1.42	1.42	YES		NO
L0000414	0	0.20243E-02	437835.1	3725801.1	217.6	0.00	1.42	1.42	YES		NO
L0000415	0	0.20243E-02	437837.4	3725803.0	217.6	0.00	1.42	1.42	YES		NO
L0000416	0	0.20243E-02	437839.7	3725805.0	217.6	0.00	1.42	1.42	YES		NO
L0000417	0	0.20243E-02	437842.0	3725807.0	217.6	0.00	1.42	1.42	YES		NO
L0000418	0	0.20243E-02	437844.3	3725809.0	217.6	0.00	1.42	1.42	YES		NO
L0000419	0	0.20243E-02	437846.6	3725811.0	217.6	0.00	1.42	1.42	YES		NO
L0000420	0	0.20243E-02	437848.9	3725813.0	217.6	0.00	1.42	1.42	YES		NO
L0000421	0	0.20243E-02	437851.2	3725815.0	217.6	0.00	1.42	1.42	YES		NO
L0000422	0	0.20243E-02	437853.5	3725817.0	217.6	0.00	1.42	1.42	YES		NO
L0000423	0	0.20243E-02	437855.8	3725819.0	217.6	0.00	1.42	1.42	YES		NO
L0000424	0	0.20243E-02	437858.1	3725821.0	217.5	0.00	1.42	1.42	YES		NO
L0000425	0	0.20243E-02	437860.4	3725823.0	217.5	0.00	1.42	1.42	YES		NO
L0000426	0	0.20243E-02	437862.7	3725825.0	217.5	0.00	1.42	1.42	YES		NO
L0000427	0	0.20243E-02	437865.1	3725827.0	217.5	0.00	1.42	1.42	YES		NO
L0000428	0	0.20243E-02	437867.4	3725829.0	217.5	0.00	1.42	1.42	YES		NO
L0000429	0	0.20243E-02	437869.7	3725831.0	217.5	0.00	1.42	1.42	YES		NO
L0000430	0	0.20243E-02	437872.0	3725833.0	217.5	0.00	1.42	1.42	YES		NO
L0000431	0	0.20243E-02	437874.3	3725835.0	217.5	0.00	1.42	1.42	YES		NO
L0000432	0	0.20243E-02	437876.6	3725837.0	217.5	0.00	1.42	1.42	YES		NO
L0000433	0	0.20243E-02	437878.9	3725839.0	217.4	0.00	1.42	1.42	YES		NO
L0000434	0	0.20243E-02	437881.2	3725841.0	217.4	0.00	1.42	1.42	YES		NO
L0000435	0	0.20243E-02	437883.5	3725843.0	217.4	0.00	1.42	1.42	YES		NO
L0000436	0	0.20243E-02	437885.8	3725844.9	217.4	0.00	1.42	1.42	YES		NO
L0000437	0	0.20243E-02	437888.1	3725846.9	217.4	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000438	0	0.20243E-02	437890.4	3725848.9	217.4	0.00	1.42	1.42	YES		NO
L0000439	0	0.20243E-02	437892.7	3725850.9	217.4	0.00	1.42	1.42	YES		NO
L0000440	0	0.20243E-02	437895.0	3725852.9	217.5	0.00	1.42	1.42	YES		NO
L0000441	0	0.20243E-02	437897.3	3725854.9	217.5	0.00	1.42	1.42	YES		NO
L0000442	0	0.20243E-02	437899.6	3725856.9	217.6	0.00	1.42	1.42	YES		NO
L0000443	0	0.20243E-02	437901.9	3725858.9	217.7	0.00	1.42	1.42	YES		NO
L0000444	0	0.20243E-02	437904.2	3725860.9	217.7	0.00	1.42	1.42	YES		NO
L0000445	0	0.20243E-02	437906.5	3725862.9	217.8	0.00	1.42	1.42	YES		NO
L0000446	0	0.20243E-02	437908.8	3725864.9	217.9	0.00	1.42	1.42	YES		NO
L0000447	0	0.20243E-02	437911.1	3725866.9	218.0	0.00	1.42	1.42	YES		NO
L0000448	0	0.20243E-02	437913.4	3725868.9	218.0	0.00	1.42	1.42	YES		NO
L0000449	0	0.20243E-02	437915.7	3725870.9	218.0	0.00	1.42	1.42	YES		NO
L0000450	0	0.20243E-02	437918.0	3725872.9	218.0	0.00	1.42	1.42	YES		NO
L0000451	0	0.20243E-02	437920.3	3725874.9	218.0	0.00	1.42	1.42	YES		NO
L0000452	0	0.20243E-02	437922.6	3725876.9	217.9	0.00	1.42	1.42	YES		NO
L0000453	0	0.20243E-02	437924.9	3725878.9	217.9	0.00	1.42	1.42	YES		NO
L0000454	0	0.20243E-02	437927.2	3725880.9	217.9	0.00	1.42	1.42	YES		NO
L0000455	0	0.20243E-02	437929.5	3725882.9	217.9	0.00	1.42	1.42	YES		NO
L0000456	0	0.20243E-02	437931.8	3725884.9	217.9	0.00	1.42	1.42	YES		NO
L0000457	0	0.20243E-02	437934.1	3725886.9	217.9	0.00	1.42	1.42	YES		NO
L0000458	0	0.20243E-02	437936.4	3725888.9	217.9	0.00	1.42	1.42	YES		NO
L0000459	0	0.20243E-02	437938.7	3725890.9	217.9	0.00	1.42	1.42	YES		NO
L0000460	0	0.20243E-02	437941.0	3725892.9	217.9	0.00	1.42	1.42	YES		NO
L0000461	0	0.20243E-02	437943.3	3725894.9	218.0	0.00	1.42	1.42	YES		NO
L0000462	0	0.20243E-02	437945.7	3725896.8	218.0	0.00	1.42	1.42	YES		NO
L0000463	0	0.20243E-02	437948.0	3725898.8	218.1	0.00	1.42	1.42	YES		NO
L0000464	0	0.20243E-02	437950.3	3725900.8	218.2	0.00	1.42	1.42	YES		NO
L0000465	0	0.20243E-02	437952.6	3725902.8	218.2	0.00	1.42	1.42	YES		NO
L0000466	0	0.20243E-02	437954.9	3725904.8	218.3	0.00	1.42	1.42	YES		NO
L0000467	0	0.20243E-02	437957.2	3725906.7	218.4	0.00	1.42	1.42	YES		NO
L0000468	0	0.20243E-02	437959.6	3725908.7	218.4	0.00	1.42	1.42	YES		NO
L0000469	0	0.20243E-02	437961.9	3725910.7	218.5	0.00	1.42	1.42	YES		NO
L0000470	0	0.20243E-02	437964.2	3725912.7	218.6	0.00	1.42	1.42	YES		NO
L0000471	0	0.20243E-02	437966.5	3725914.7	218.6	0.00	1.42	1.42	YES		NO
L0000472	0	0.20243E-02	437968.8	3725916.6	218.7	0.00	1.42	1.42	YES		NO
L0000473	0	0.20243E-02	437971.1	3725918.6	218.8	0.00	1.42	1.42	YES		NO
L0000474	0	0.20243E-02	437973.5	3725920.6	218.8	0.00	1.42	1.42	YES		NO
L0000475	0	0.20243E-02	437975.8	3725922.6	218.9	0.00	1.42	1.42	YES		NO
L0000476	0	0.20243E-02	437978.1	3725924.6	219.0	0.00	1.42	1.42	YES		NO
L0000477	0	0.20243E-02	437980.4	3725926.5	219.0	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000478	0	0.20243E-02	437982.7	3725928.5	219.3	0.00	1.42	1.42	YES		NO
L0000479	0	0.20243E-02	437985.1	3725930.5	219.5	0.00	1.42	1.42	YES		NO
L0000480	0	0.20243E-02	437987.4	3725932.5	219.8	0.00	1.42	1.42	YES		NO
L0000481	0	0.20243E-02	437989.7	3725934.5	220.0	0.00	1.42	1.42	YES		NO
L0000482	0	0.20243E-02	437992.0	3725936.4	220.3	0.00	1.42	1.42	YES		NO
L0000483	0	0.20243E-02	437994.3	3725938.4	220.6	0.00	1.42	1.42	YES		NO
L0000484	0	0.20243E-02	437996.6	3725940.4	221.0	0.00	1.42	1.42	YES		NO
L0000485	0	0.20243E-02	437999.0	3725942.4	221.3	0.00	1.42	1.42	YES		NO
L0000486	0	0.20243E-02	438001.3	3725944.4	221.7	0.00	1.42	1.42	YES		NO
L0000487	0	0.20243E-02	438003.6	3725946.3	222.1	0.00	1.42	1.42	YES		NO
L0000488	0	0.20243E-02	438005.9	3725948.3	222.5	0.00	1.42	1.42	YES		NO
L0000489	0	0.20243E-02	438008.2	3725950.3	223.0	0.00	1.42	1.42	YES		NO
L0000490	0	0.20243E-02	438010.5	3725952.3	223.4	0.00	1.42	1.42	YES		NO
L0000491	0	0.20243E-02	438012.9	3725954.3	223.8	0.00	1.42	1.42	YES		NO
L0000492	0	0.20243E-02	438015.2	3725956.2	224.2	0.00	1.42	1.42	YES		NO
L0000493	0	0.20243E-02	438017.5	3725958.2	224.5	0.00	1.42	1.42	YES		NO
L0000494	0	0.20243E-02	438019.8	3725960.2	224.9	0.00	1.42	1.42	YES		NO
L0000495	0	0.20243E-02	438022.1	3725962.2	225.2	0.00	1.42	1.42	YES		NO
L0000496	0	0.20243E-02	438024.4	3725964.2	225.6	0.00	1.42	1.42	YES		NO
L0000497	0	0.20243E-02	438026.8	3725966.1	225.9	0.00	1.42	1.42	YES		NO
L0000498	0	0.20243E-02	438029.1	3725968.1	226.2	0.00	1.42	1.42	YES		NO
L0000499	0	0.20243E-02	438031.4	3725970.1	226.6	0.00	1.42	1.42	YES		NO
L0000500	0	0.20243E-02	438033.7	3725972.1	226.9	0.00	1.42	1.42	YES		NO
L0000501	0	0.20243E-02	438036.0	3725974.1	227.3	0.00	1.42	1.42	YES		NO
L0000502	0	0.20243E-02	438038.4	3725976.0	227.6	0.00	1.42	1.42	YES		NO
L0000503	0	0.20243E-02	438040.7	3725978.0	227.9	0.00	1.42	1.42	YES		NO
L0000504	0	0.20243E-02	438043.0	3725980.0	228.1	0.00	1.42	1.42	YES		NO
L0000505	0	0.20243E-02	438045.3	3725982.0	228.3	0.00	1.42	1.42	YES		NO
L0000506	0	0.20243E-02	438047.6	3725984.0	228.4	0.00	1.42	1.42	YES		NO
L0000507	0	0.20243E-02	438049.9	3725985.9	228.6	0.00	1.42	1.42	YES		NO
L0000508	0	0.20243E-02	438052.3	3725987.9	228.8	0.00	1.42	1.42	YES		NO
L0000509	0	0.20243E-02	438054.6	3725989.9	229.0	0.00	1.42	1.42	YES		NO
L0000510	0	0.20243E-02	438056.9	3725991.9	229.2	0.00	1.42	1.42	YES		NO
L0000511	0	0.20243E-02	438059.2	3725993.9	229.4	0.00	1.42	1.42	YES		NO
L0000512	0	0.20243E-02	438061.5	3725995.8	229.6	0.00	1.42	1.42	YES		NO
L0000513	0	0.20243E-02	438063.8	3725997.8	229.8	0.00	1.42	1.42	YES		NO
L0000514	0	0.20243E-02	438066.2	3725999.8	229.9	0.00	1.42	1.42	YES		NO
L0000515	0	0.20243E-02	438068.5	3726001.8	230.1	0.00	1.42	1.42	YES		NO
L0000516	0	0.20243E-02	438070.8	3726003.8	230.2	0.00	1.42	1.42	YES		NO
L0000517	0	0.20243E-02	438073.1	3726005.7	230.2	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000518	0	0.20243E-02	438075.4	3726007.7	230.2	0.00	1.42	1.42	YES		NO
L0000519	0	0.20243E-02	438077.7	3726009.7	230.2	0.00	1.42	1.42	YES		NO
L0000520	0	0.20243E-02	438080.1	3726011.7	230.1	0.00	1.42	1.42	YES		NO
L0000521	0	0.20243E-02	438082.4	3726013.7	230.0	0.00	1.42	1.42	YES		NO
L0000522	0	0.20243E-02	438084.7	3726015.6	229.9	0.00	1.42	1.42	YES		NO
L0000523	0	0.20243E-02	438087.0	3726017.6	229.8	0.00	1.42	1.42	YES		NO
L0000524	0	0.20243E-02	438089.3	3726019.6	229.6	0.00	1.42	1.42	YES		NO
L0000525	0	0.20243E-02	438091.7	3726021.6	229.4	0.00	1.42	1.42	YES		NO
L0000526	0	0.20243E-02	438094.0	3726023.6	229.2	0.00	1.42	1.42	YES		NO
L0000527	0	0.20243E-02	438096.3	3726025.5	229.1	0.00	1.42	1.42	YES		NO
L0000528	0	0.20243E-02	438098.6	3726027.5	228.9	0.00	1.42	1.42	YES		NO
L0000529	0	0.20243E-02	438100.9	3726029.5	228.7	0.00	1.42	1.42	YES		NO
L0000530	0	0.20243E-02	438103.2	3726031.5	228.5	0.00	1.42	1.42	YES		NO
L0000531	0	0.20243E-02	438105.6	3726033.5	228.2	0.00	1.42	1.42	YES		NO
L0000532	0	0.20243E-02	438107.9	3726035.4	228.0	0.00	1.42	1.42	YES		NO
L0000533	0	0.20243E-02	438110.2	3726037.4	227.8	0.00	1.42	1.42	YES		NO
L0000534	0	0.20243E-02	438112.5	3726039.4	227.5	0.00	1.42	1.42	YES		NO
L0000535	0	0.20243E-02	438114.8	3726041.4	227.2	0.00	1.42	1.42	YES		NO
L0000536	0	0.20243E-02	438117.1	3726043.4	227.0	0.00	1.42	1.42	YES		NO
L0000537	0	0.20243E-02	438119.5	3726045.3	226.7	0.00	1.42	1.42	YES		NO
L0000538	0	0.20243E-02	438121.8	3726047.3	226.3	0.00	1.42	1.42	YES		NO
L0000539	0	0.20243E-02	438124.1	3726049.3	225.9	0.00	1.42	1.42	YES		NO
L0000540	0	0.20243E-02	438126.4	3726051.3	225.5	0.00	1.42	1.42	YES		NO
L0000541	0	0.20243E-02	438128.7	3726053.3	225.1	0.00	1.42	1.42	YES		NO
L0000542	0	0.20243E-02	438131.0	3726055.2	224.9	0.00	1.42	1.42	YES		NO
L0000543	0	0.20243E-02	438133.4	3726057.2	224.8	0.00	1.42	1.42	YES		NO
L0000544	0	0.20243E-02	438135.7	3726059.2	224.7	0.00	1.42	1.42	YES		NO
L0000545	0	0.20243E-02	438138.0	3726061.2	224.6	0.00	1.42	1.42	YES		NO
L0000546	0	0.20243E-02	438140.3	3726063.2	224.5	0.00	1.42	1.42	YES		NO
L0000547	0	0.20243E-02	438142.6	3726065.1	224.4	0.00	1.42	1.42	YES		NO
L0000548	0	0.20243E-02	438145.0	3726067.1	224.3	0.00	1.42	1.42	YES		NO
L0000549	0	0.20243E-02	438147.3	3726069.1	224.3	0.00	1.42	1.42	YES		NO
L0000550	0	0.20243E-02	438149.6	3726071.1	224.2	0.00	1.42	1.42	YES		NO
L0000551	0	0.20243E-02	438151.9	3726073.1	224.2	0.00	1.42	1.42	YES		NO
L0000552	0	0.20243E-02	438154.2	3726075.0	224.2	0.00	1.42	1.42	YES		NO
L0000553	0	0.20243E-02	438156.5	3726077.0	224.1	0.00	1.42	1.42	YES		NO
L0000554	0	0.20243E-02	438158.9	3726079.0	224.1	0.00	1.42	1.42	YES		NO
L0000555	0	0.20243E-02	438161.2	3726081.0	224.1	0.00	1.42	1.42	YES		NO
L0000556	0	0.20243E-02	438163.5	3726083.0	224.1	0.00	1.42	1.42	YES		NO
L0000557	0	0.20243E-02	438165.8	3726084.9	224.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000558	0	0.20243E-02	438168.1	3726086.9	224.1	0.00	1.42	1.42	YES		NO
L0000559	0	0.20243E-02	438170.4	3726088.9	224.1	0.00	1.42	1.42	YES		NO
L0000560	0	0.20243E-02	438172.8	3726090.9	224.1	0.00	1.42	1.42	YES		NO
L0000561	0	0.20243E-02	438175.1	3726092.9	224.0	0.00	1.42	1.42	YES		NO
L0000562	0	0.20243E-02	438177.4	3726094.8	224.0	0.00	1.42	1.42	YES		NO
L0000563	0	0.20243E-02	438179.7	3726096.8	224.0	0.00	1.42	1.42	YES		NO
L0000564	0	0.20243E-02	438182.0	3726098.8	224.0	0.00	1.42	1.42	YES		NO
L0000565	0	0.20243E-02	438184.3	3726100.8	224.0	0.00	1.42	1.42	YES		NO
L0000566	0	0.20243E-02	438186.7	3726102.8	224.0	0.00	1.42	1.42	YES		NO
L0000567	0	0.20243E-02	438189.0	3726104.7	224.0	0.00	1.42	1.42	YES		NO
L0000568	0	0.19841E-02	438179.5	3726114.3	224.6	0.00	1.42	1.42	YES		NO
L0000569	0	0.19841E-02	438177.2	3726112.3	224.6	0.00	1.42	1.42	YES		NO
L0000570	0	0.19841E-02	438174.9	3726110.3	224.6	0.00	1.42	1.42	YES		NO
L0000571	0	0.19841E-02	438172.6	3726108.3	224.6	0.00	1.42	1.42	YES		NO
L0000572	0	0.19841E-02	438170.3	3726106.3	224.7	0.00	1.42	1.42	YES		NO
L0000573	0	0.19841E-02	438168.0	3726104.3	224.7	0.00	1.42	1.42	YES		NO
L0000574	0	0.19841E-02	438165.7	3726102.3	224.7	0.00	1.42	1.42	YES		NO
L0000575	0	0.19841E-02	438163.4	3726100.3	224.7	0.00	1.42	1.42	YES		NO
L0000576	0	0.19841E-02	438161.1	3726098.3	224.7	0.00	1.42	1.42	YES		NO
L0000577	0	0.19841E-02	438158.8	3726096.3	224.7	0.00	1.42	1.42	YES		NO
L0000578	0	0.19841E-02	438156.5	3726094.3	224.8	0.00	1.42	1.42	YES		NO
L0000579	0	0.19841E-02	438154.2	3726092.3	224.8	0.00	1.42	1.42	YES		NO
L0000580	0	0.19841E-02	438151.8	3726090.3	224.9	0.00	1.42	1.42	YES		NO
L0000581	0	0.19841E-02	438149.5	3726088.4	224.9	0.00	1.42	1.42	YES		NO
L0000582	0	0.19841E-02	438147.2	3726086.4	224.9	0.00	1.42	1.42	YES		NO
L0000583	0	0.19841E-02	438144.9	3726084.4	224.9	0.00	1.42	1.42	YES		NO
L0000584	0	0.19841E-02	438142.6	3726082.4	224.9	0.00	1.42	1.42	YES		NO
L0000585	0	0.19841E-02	438140.3	3726080.4	224.9	0.00	1.42	1.42	YES		NO
L0000586	0	0.19841E-02	438138.0	3726078.4	224.9	0.00	1.42	1.42	YES		NO
L0000587	0	0.19841E-02	438135.7	3726076.4	224.8	0.00	1.42	1.42	YES		NO
L0000588	0	0.19841E-02	438133.4	3726074.4	224.9	0.00	1.42	1.42	YES		NO
L0000589	0	0.19841E-02	438131.1	3726072.4	224.9	0.00	1.42	1.42	YES		NO
L0000590	0	0.19841E-02	438128.8	3726070.4	225.1	0.00	1.42	1.42	YES		NO
L0000591	0	0.19841E-02	438126.5	3726068.4	225.4	0.00	1.42	1.42	YES		NO
L0000592	0	0.19841E-02	438124.2	3726066.4	225.8	0.00	1.42	1.42	YES		NO
L0000593	0	0.19841E-02	438121.9	3726064.4	226.1	0.00	1.42	1.42	YES		NO
L0000594	0	0.19841E-02	438119.6	3726062.4	226.5	0.00	1.42	1.42	YES		NO
L0000595	0	0.19841E-02	438117.3	3726060.5	226.9	0.00	1.42	1.42	YES		NO
L0000596	0	0.19841E-02	438115.0	3726058.5	227.2	0.00	1.42	1.42	YES		NO
L0000597	0	0.19841E-02	438112.6	3726056.5	227.6	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000598	0	0.19841E-02	438110.3	3726054.5	228.0	0.00	1.42	1.42	YES		NO
L0000599	0	0.19841E-02	438108.0	3726052.5	228.4	0.00	1.42	1.42	YES		NO
L0000600	0	0.19841E-02	438105.7	3726050.5	228.9	0.00	1.42	1.42	YES		NO
L0000601	0	0.19841E-02	438103.4	3726048.5	229.3	0.00	1.42	1.42	YES		NO
L0000602	0	0.19841E-02	438101.1	3726046.5	229.7	0.00	1.42	1.42	YES		NO
L0000603	0	0.19841E-02	438098.8	3726044.5	230.0	0.00	1.42	1.42	YES		NO
L0000604	0	0.19841E-02	438096.5	3726042.5	230.2	0.00	1.42	1.42	YES		NO
L0000605	0	0.19841E-02	438094.2	3726040.5	230.4	0.00	1.42	1.42	YES		NO
L0000606	0	0.19841E-02	438091.9	3726038.5	230.5	0.00	1.42	1.42	YES		NO
L0000607	0	0.19841E-02	438089.6	3726036.5	230.7	0.00	1.42	1.42	YES		NO
L0000608	0	0.19841E-02	438087.3	3726034.5	230.9	0.00	1.42	1.42	YES		NO
L0000609	0	0.19841E-02	438085.0	3726032.5	231.0	0.00	1.42	1.42	YES		NO
L0000610	0	0.19841E-02	438082.7	3726030.6	231.2	0.00	1.42	1.42	YES		NO
L0000611	0	0.19841E-02	438080.4	3726028.6	231.4	0.00	1.42	1.42	YES		NO
L0000612	0	0.19841E-02	438078.1	3726026.6	231.6	0.00	1.42	1.42	YES		NO
L0000613	0	0.19841E-02	438075.7	3726024.6	231.7	0.00	1.42	1.42	YES		NO
L0000614	0	0.19841E-02	438073.4	3726022.6	231.9	0.00	1.42	1.42	YES		NO
L0000615	0	0.19841E-02	438071.1	3726020.6	232.1	0.00	1.42	1.42	YES		NO
L0000616	0	0.19841E-02	438068.8	3726018.6	232.2	0.00	1.42	1.42	YES		NO
L0000617	0	0.19841E-02	438066.5	3726016.6	232.1	0.00	1.42	1.42	YES		NO
L0000618	0	0.19841E-02	438064.2	3726014.6	232.0	0.00	1.42	1.42	YES		NO
L0000619	0	0.19841E-02	438061.9	3726012.6	231.8	0.00	1.42	1.42	YES		NO
L0000620	0	0.19841E-02	438059.6	3726010.6	231.6	0.00	1.42	1.42	YES		NO
L0000621	0	0.19841E-02	438057.3	3726008.6	231.4	0.00	1.42	1.42	YES		NO
L0000622	0	0.19841E-02	438055.0	3726006.6	231.2	0.00	1.42	1.42	YES		NO
L0000623	0	0.19841E-02	438052.7	3726004.6	231.0	0.00	1.42	1.42	YES		NO
L0000624	0	0.19841E-02	438050.4	3726002.6	230.8	0.00	1.42	1.42	YES		NO
L0000625	0	0.19841E-02	438048.1	3726000.7	230.7	0.00	1.42	1.42	YES		NO
L0000626	0	0.19841E-02	438045.8	3725998.7	230.5	0.00	1.42	1.42	YES		NO
L0000627	0	0.19841E-02	438043.5	3725996.7	230.3	0.00	1.42	1.42	YES		NO
L0000628	0	0.19841E-02	438041.2	3725994.7	230.1	0.00	1.42	1.42	YES		NO
L0000629	0	0.19841E-02	438038.9	3725992.7	229.9	0.00	1.42	1.42	YES		NO
L0000630	0	0.19841E-02	438036.5	3725990.7	229.5	0.00	1.42	1.42	YES		NO
L0000631	0	0.19841E-02	438034.2	3725988.7	229.2	0.00	1.42	1.42	YES		NO
L0000632	0	0.19841E-02	438031.9	3725986.7	228.8	0.00	1.42	1.42	YES		NO
L0000633	0	0.19841E-02	438029.6	3725984.7	228.5	0.00	1.42	1.42	YES		NO
L0000634	0	0.19841E-02	438027.3	3725982.7	228.1	0.00	1.42	1.42	YES		NO
L0000635	0	0.19841E-02	438025.0	3725980.7	227.8	0.00	1.42	1.42	YES		NO
L0000636	0	0.19841E-02	438022.7	3725978.7	227.5	0.00	1.42	1.42	YES		NO
L0000637	0	0.19841E-02	438020.4	3725976.7	227.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000638	0	0.19841E-02	438018.1	3725974.7	226.8	0.00	1.42	1.42	YES		NO
L0000639	0	0.19841E-02	438015.8	3725972.8	226.4	0.00	1.42	1.42	YES		NO
L0000640	0	0.19841E-02	438013.5	3725970.8	226.1	0.00	1.42	1.42	YES		NO
L0000641	0	0.19841E-02	438011.2	3725968.8	225.7	0.00	1.42	1.42	YES		NO
L0000642	0	0.19841E-02	438008.9	3725966.8	225.4	0.00	1.42	1.42	YES		NO
L0000643	0	0.19841E-02	438006.6	3725964.8	224.9	0.00	1.42	1.42	YES		NO
L0000644	0	0.19841E-02	438004.3	3725962.8	224.5	0.00	1.42	1.42	YES		NO
L0000645	0	0.19841E-02	438002.0	3725960.8	224.1	0.00	1.42	1.42	YES		NO
L0000646	0	0.19841E-02	437999.7	3725958.8	223.7	0.00	1.42	1.42	YES		NO
L0000647	0	0.19841E-02	437997.3	3725956.8	223.3	0.00	1.42	1.42	YES		NO
L0000648	0	0.19841E-02	437995.0	3725954.8	222.9	0.00	1.42	1.42	YES		NO
L0000649	0	0.19841E-02	437992.7	3725952.8	222.5	0.00	1.42	1.42	YES		NO
L0000650	0	0.19841E-02	437990.4	3725950.8	222.1	0.00	1.42	1.42	YES		NO
L0000651	0	0.19841E-02	437988.1	3725948.8	221.7	0.00	1.42	1.42	YES		NO
L0000652	0	0.19841E-02	437985.8	3725946.8	221.4	0.00	1.42	1.42	YES		NO
L0000653	0	0.19841E-02	437983.5	3725944.8	221.0	0.00	1.42	1.42	YES		NO
L0000654	0	0.19841E-02	437981.2	3725942.9	220.7	0.00	1.42	1.42	YES		NO
L0000655	0	0.19841E-02	437978.9	3725940.9	220.5	0.00	1.42	1.42	YES		NO
L0000656	0	0.19841E-02	437976.6	3725938.9	220.2	0.00	1.42	1.42	YES		NO
L0000657	0	0.19841E-02	437974.3	3725936.9	220.0	0.00	1.42	1.42	YES		NO
L0000658	0	0.19841E-02	437972.0	3725934.9	219.7	0.00	1.42	1.42	YES		NO
L0000659	0	0.19841E-02	437969.7	3725932.9	219.5	0.00	1.42	1.42	YES		NO
L0000660	0	0.19841E-02	437967.4	3725930.9	219.4	0.00	1.42	1.42	YES		NO
L0000661	0	0.19841E-02	437965.1	3725928.9	219.2	0.00	1.42	1.42	YES		NO
L0000662	0	0.19841E-02	437962.8	3725926.9	219.1	0.00	1.42	1.42	YES		NO
L0000663	0	0.19841E-02	437960.5	3725924.9	219.0	0.00	1.42	1.42	YES		NO
L0000664	0	0.19841E-02	437958.1	3725922.9	218.9	0.00	1.42	1.42	YES		NO
L0000665	0	0.19841E-02	437955.8	3725920.9	218.8	0.00	1.42	1.42	YES		NO
L0000666	0	0.19841E-02	437953.5	3725918.9	218.8	0.00	1.42	1.42	YES		NO
L0000667	0	0.19841E-02	437951.2	3725916.9	218.7	0.00	1.42	1.42	YES		NO
L0000668	0	0.19841E-02	437948.9	3725914.9	218.6	0.00	1.42	1.42	YES		NO
L0000669	0	0.19841E-02	437946.6	3725913.0	218.5	0.00	1.42	1.42	YES		NO
L0000670	0	0.19841E-02	437944.3	3725911.0	218.4	0.00	1.42	1.42	YES		NO
L0000671	0	0.19841E-02	437942.0	3725909.0	218.3	0.00	1.42	1.42	YES		NO
L0000672	0	0.19841E-02	437939.7	3725907.0	218.2	0.00	1.42	1.42	YES		NO
L0000673	0	0.19841E-02	437937.4	3725905.0	218.2	0.00	1.42	1.42	YES		NO
L0000674	0	0.19841E-02	437935.1	3725903.0	218.1	0.00	1.42	1.42	YES		NO
L0000675	0	0.19841E-02	437932.8	3725901.0	218.1	0.00	1.42	1.42	YES		NO
L0000676	0	0.19841E-02	437930.5	3725899.0	218.0	0.00	1.42	1.42	YES		NO
L0000677	0	0.19841E-02	437928.2	3725897.0	218.0	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000678	0	0.19841E-02	437925.9	3725895.0	218.0	0.00	1.42	1.42	YES		NO
L0000679	0	0.19841E-02	437923.6	3725893.0	218.0	0.00	1.42	1.42	YES		NO
L0000680	0	0.19841E-02	437921.2	3725891.0	218.0	0.00	1.42	1.42	YES		NO
L0000681	0	0.19841E-02	437918.9	3725889.0	218.0	0.00	1.42	1.42	YES		NO
L0000682	0	0.19841E-02	437916.6	3725887.0	218.1	0.00	1.42	1.42	YES		NO
L0000683	0	0.19841E-02	437914.3	3725885.1	218.1	0.00	1.42	1.42	YES		NO
L0000684	0	0.19841E-02	437912.0	3725883.1	218.1	0.00	1.42	1.42	YES		NO
L0000685	0	0.19841E-02	437909.7	3725881.1	218.2	0.00	1.42	1.42	YES		NO
L0000686	0	0.19841E-02	437907.4	3725879.1	218.2	0.00	1.42	1.42	YES		NO
L0000687	0	0.19841E-02	437905.1	3725877.1	218.2	0.00	1.42	1.42	YES		NO
L0000688	0	0.19841E-02	437902.8	3725875.1	218.2	0.00	1.42	1.42	YES		NO
L0000689	0	0.19841E-02	437900.5	3725873.1	218.2	0.00	1.42	1.42	YES		NO
L0000690	0	0.19841E-02	437898.2	3725871.1	218.1	0.00	1.42	1.42	YES		NO
L0000691	0	0.19841E-02	437896.0	3725869.0	218.1	0.00	1.42	1.42	YES		NO
L0000692	0	0.19841E-02	437893.7	3725867.0	218.0	0.00	1.42	1.42	YES		NO
L0000693	0	0.19841E-02	437891.4	3725865.0	218.0	0.00	1.42	1.42	YES		NO
L0000694	0	0.19841E-02	437889.1	3725862.9	217.9	0.00	1.42	1.42	YES		NO
L0000695	0	0.19841E-02	437886.9	3725860.9	217.8	0.00	1.42	1.42	YES		NO
L0000696	0	0.19841E-02	437884.6	3725858.9	217.8	0.00	1.42	1.42	YES		NO
L0000697	0	0.19841E-02	437882.3	3725856.8	217.8	0.00	1.42	1.42	YES		NO
L0000698	0	0.19841E-02	437880.1	3725854.8	217.7	0.00	1.42	1.42	YES		NO
L0000699	0	0.19841E-02	437877.8	3725852.8	217.7	0.00	1.42	1.42	YES		NO
L0000700	0	0.19841E-02	437875.5	3725850.7	217.7	0.00	1.42	1.42	YES		NO
L0000701	0	0.19841E-02	437873.2	3725848.7	217.7	0.00	1.42	1.42	YES		NO
L0000702	0	0.19841E-02	437871.0	3725846.7	217.8	0.00	1.42	1.42	YES		NO
L0000703	0	0.19841E-02	437868.7	3725844.6	217.8	0.00	1.42	1.42	YES		NO
L0000704	0	0.19841E-02	437866.4	3725842.6	217.8	0.00	1.42	1.42	YES		NO
L0000705	0	0.19841E-02	437864.1	3725840.6	217.9	0.00	1.42	1.42	YES		NO
L0000706	0	0.19841E-02	437861.8	3725838.6	217.9	0.00	1.42	1.42	YES		NO
L0000707	0	0.19841E-02	437859.5	3725836.7	218.0	0.00	1.42	1.42	YES		NO
L0000708	0	0.19841E-02	437857.2	3725834.7	218.0	0.00	1.42	1.42	YES		NO
L0000709	0	0.19841E-02	437854.9	3725832.7	218.0	0.00	1.42	1.42	YES		NO
L0000710	0	0.19841E-02	437852.6	3725830.7	218.1	0.00	1.42	1.42	YES		NO
L0000711	0	0.19841E-02	437850.2	3725828.7	218.1	0.00	1.42	1.42	YES		NO
L0000712	0	0.19841E-02	437847.9	3725826.7	218.1	0.00	1.42	1.42	YES		NO
L0000713	0	0.19841E-02	437845.6	3725824.7	218.1	0.00	1.42	1.42	YES		NO
L0000714	0	0.19841E-02	437843.3	3725822.7	218.1	0.00	1.42	1.42	YES		NO
L0000715	0	0.19841E-02	437841.0	3725820.7	218.1	0.00	1.42	1.42	YES		NO
L0000716	0	0.19841E-02	437838.7	3725818.8	218.1	0.00	1.42	1.42	YES		NO
L0000717	0	0.19841E-02	437836.4	3725816.8	218.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000718	0	0.19841E-02	437834.1	3725814.8	218.1	0.00	1.42	1.42	YES		NO
L0000719	0	0.19841E-02	437831.8	3725812.8	218.2	0.00	1.42	1.42	YES		NO
L0000720	0	0.19841E-02	437829.4	3725810.8	218.2	0.00	1.42	1.42	YES		NO
L0000721	0	0.19841E-02	437827.1	3725808.8	218.4	0.00	1.42	1.42	YES		NO
L0000722	0	0.19841E-02	437824.8	3725806.8	218.5	0.00	1.42	1.42	YES		NO
L0000723	0	0.19841E-02	437822.5	3725804.8	218.7	0.00	1.42	1.42	YES		NO
L0000724	0	0.19841E-02	437820.2	3725802.9	218.8	0.00	1.42	1.42	YES		NO
L0000725	0	0.19841E-02	437817.9	3725800.9	218.9	0.00	1.42	1.42	YES		NO
L0000726	0	0.19841E-02	437815.6	3725798.9	219.1	0.00	1.42	1.42	YES		NO
L0000727	0	0.19841E-02	437813.3	3725796.9	219.2	0.00	1.42	1.42	YES		NO
L0000728	0	0.19841E-02	437811.0	3725794.9	219.3	0.00	1.42	1.42	YES		NO
L0000729	0	0.19841E-02	437808.7	3725792.9	219.4	0.00	1.42	1.42	YES		NO
L0000730	0	0.19841E-02	437806.3	3725790.9	219.4	0.00	1.42	1.42	YES		NO
L0000731	0	0.19841E-02	437804.0	3725788.9	219.5	0.00	1.42	1.42	YES		NO
L0000732	0	0.19841E-02	437801.7	3725786.9	219.6	0.00	1.42	1.42	YES		NO
L0000733	0	0.19841E-02	437799.4	3725785.0	219.6	0.00	1.42	1.42	YES		NO
L0000734	0	0.19841E-02	437797.1	3725783.0	219.7	0.00	1.42	1.42	YES		NO
L0000735	0	0.19841E-02	437794.8	3725781.0	219.8	0.00	1.42	1.42	YES		NO
L0000736	0	0.19841E-02	437792.5	3725779.0	219.9	0.00	1.42	1.42	YES		NO
L0000737	0	0.19841E-02	437790.2	3725777.0	220.0	0.00	1.42	1.42	YES		NO
L0000738	0	0.19841E-02	437787.9	3725775.0	220.1	0.00	1.42	1.42	YES		NO
L0000739	0	0.19841E-02	437785.6	3725773.0	220.2	0.00	1.42	1.42	YES		NO
L0000740	0	0.19841E-02	437783.2	3725771.0	220.2	0.00	1.42	1.42	YES		NO
L0000741	0	0.19841E-02	437780.9	3725769.1	220.2	0.00	1.42	1.42	YES		NO
L0000742	0	0.19841E-02	437778.6	3725767.1	220.3	0.00	1.42	1.42	YES		NO
L0000743	0	0.19841E-02	437776.3	3725765.1	220.3	0.00	1.42	1.42	YES		NO
L0000744	0	0.19841E-02	437774.0	3725763.1	220.3	0.00	1.42	1.42	YES		NO
L0000745	0	0.19841E-02	437771.7	3725761.1	220.3	0.00	1.42	1.42	YES		NO
L0000746	0	0.19841E-02	437769.4	3725759.1	220.3	0.00	1.42	1.42	YES		NO
L0000747	0	0.19841E-02	437767.1	3725757.1	220.3	0.00	1.42	1.42	YES		NO
L0000748	0	0.19841E-02	437764.8	3725755.1	220.2	0.00	1.42	1.42	YES		NO
L0000749	0	0.19841E-02	437762.5	3725753.1	220.2	0.00	1.42	1.42	YES		NO
L0000750	0	0.19841E-02	437760.1	3725751.2	220.1	0.00	1.42	1.42	YES		NO
L0000751	0	0.19841E-02	437757.8	3725749.2	220.1	0.00	1.42	1.42	YES		NO
L0000752	0	0.19841E-02	437755.5	3725747.2	220.0	0.00	1.42	1.42	YES		NO
L0000753	0	0.19841E-02	437753.2	3725745.2	220.0	0.00	1.42	1.42	YES		NO
L0000754	0	0.19841E-02	437750.9	3725743.2	220.0	0.00	1.42	1.42	YES		NO
L0000755	0	0.19841E-02	437748.6	3725741.2	220.0	0.00	1.42	1.42	YES		NO
L0000756	0	0.19841E-02	437746.3	3725739.2	220.0	0.00	1.42	1.42	YES		NO
L0000757	0	0.19841E-02	437744.0	3725737.2	219.9	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000758	0	0.19841E-02	437741.7	3725735.3	219.8	0.00	1.42	1.42	YES		NO
L0000759	0	0.19841E-02	437739.4	3725733.3	219.7	0.00	1.42	1.42	YES		NO
L0000760	0	0.19841E-02	437737.0	3725731.3	219.6	0.00	1.42	1.42	YES		NO
L0000761	0	0.19841E-02	437734.7	3725729.3	219.5	0.00	1.42	1.42	YES		NO
L0000762	0	0.19841E-02	437732.4	3725727.3	219.4	0.00	1.42	1.42	YES		NO
L0000763	0	0.19841E-02	437730.1	3725725.3	219.2	0.00	1.42	1.42	YES		NO
L0000764	0	0.19841E-02	437727.8	3725723.3	219.1	0.00	1.42	1.42	YES		NO
L0000765	0	0.19841E-02	437725.5	3725721.3	219.0	0.00	1.42	1.42	YES		NO
L0000766	0	0.19841E-02	437723.2	3725719.3	218.9	0.00	1.42	1.42	YES		NO
L0000767	0	0.19841E-02	437720.9	3725717.4	218.8	0.00	1.42	1.42	YES		NO
L0000768	0	0.19841E-02	437718.6	3725715.4	218.6	0.00	1.42	1.42	YES		NO
L0000769	0	0.19841E-02	437716.2	3725713.4	218.5	0.00	1.42	1.42	YES		NO
L0000770	0	0.19841E-02	437713.9	3725711.4	218.4	0.00	1.42	1.42	YES		NO
L0000771	0	0.19841E-02	437711.6	3725709.4	218.3	0.00	1.42	1.42	YES		NO
L0000772	0	0.19841E-02	437709.3	3725707.4	218.1	0.00	1.42	1.42	YES		NO
L0000773	0	0.19841E-02	437707.0	3725705.4	218.0	0.00	1.42	1.42	YES		NO
L0000774	0	0.19841E-02	437704.7	3725703.4	217.8	0.00	1.42	1.42	YES		NO
L0000775	0	0.19841E-02	437702.4	3725701.4	217.7	0.00	1.42	1.42	YES		NO
L0000776	0	0.19841E-02	437700.1	3725699.4	217.5	0.00	1.42	1.42	YES		NO
L0000777	0	0.19841E-02	437697.8	3725697.4	217.3	0.00	1.42	1.42	YES		NO
L0000778	0	0.19841E-02	437695.5	3725695.4	217.1	0.00	1.42	1.42	YES		NO
L0000779	0	0.19841E-02	437693.2	3725693.4	216.9	0.00	1.42	1.42	YES		NO
L0000780	0	0.19841E-02	437690.9	3725691.4	216.6	0.00	1.42	1.42	YES		NO
L0000781	0	0.19841E-02	437688.6	3725689.4	216.4	0.00	1.42	1.42	YES		NO
L0000782	0	0.19841E-02	437686.3	3725687.4	216.2	0.00	1.42	1.42	YES		NO
L0000783	0	0.19841E-02	437684.0	3725685.4	215.9	0.00	1.42	1.42	YES		NO
L0000784	0	0.19841E-02	437681.7	3725683.4	215.7	0.00	1.42	1.42	YES		NO
L0000785	0	0.19841E-02	437679.4	3725681.4	215.5	0.00	1.42	1.42	YES		NO
L0000786	0	0.19841E-02	437677.1	3725679.4	215.5	0.00	1.42	1.42	YES		NO
L0000787	0	0.19841E-02	437674.8	3725677.4	215.4	0.00	1.42	1.42	YES		NO
L0000788	0	0.19841E-02	437672.5	3725675.4	215.2	0.00	1.42	1.42	YES		NO
L0000789	0	0.19841E-02	437670.2	3725673.5	215.1	0.00	1.42	1.42	YES		NO
L0000790	0	0.19841E-02	437667.9	3725671.5	214.9	0.00	1.42	1.42	YES		NO
L0000791	0	0.19841E-02	437665.6	3725669.5	214.8	0.00	1.42	1.42	YES		NO
L0000792	0	0.19841E-02	437663.3	3725667.5	214.5	0.00	1.42	1.42	YES		NO
L0000793	0	0.19841E-02	437661.0	3725665.5	214.3	0.00	1.42	1.42	YES		NO
L0000794	0	0.19841E-02	437658.7	3725663.5	214.1	0.00	1.42	1.42	YES		NO
L0000795	0	0.19841E-02	437656.4	3725661.5	213.8	0.00	1.42	1.42	YES		NO
L0000796	0	0.19841E-02	437654.1	3725659.5	213.5	0.00	1.42	1.42	YES		NO
L0000797	0	0.19841E-02	437651.8	3725657.5	213.2	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000798	0	0.19841E-02	437649.5	3725655.5	213.0	0.00	1.42	1.42	YES		NO
L0000799	0	0.19841E-02	437647.2	3725653.5	212.9	0.00	1.42	1.42	YES		NO
L0000800	0	0.19841E-02	437644.9	3725651.5	212.8	0.00	1.42	1.42	YES		NO
L0000801	0	0.19841E-02	437642.4	3725649.6	212.8	0.00	1.42	1.42	YES		NO
L0000802	0	0.19841E-02	437640.0	3725647.7	212.7	0.00	1.42	1.42	YES		NO
L0000803	0	0.19841E-02	437637.6	3725645.9	212.6	0.00	1.42	1.42	YES		NO
L0000804	0	0.19841E-02	437635.2	3725644.0	212.5	0.00	1.42	1.42	YES		NO
L0000805	0	0.19841E-02	437632.8	3725642.1	212.4	0.00	1.42	1.42	YES		NO
L0000806	0	0.19841E-02	437630.4	3725640.3	212.2	0.00	1.42	1.42	YES		NO
L0000807	0	0.19841E-02	437628.0	3725638.4	212.1	0.00	1.42	1.42	YES		NO
L0000808	0	0.19841E-02	437625.6	3725636.5	212.0	0.00	1.42	1.42	YES		NO
L0000809	0	0.19841E-02	437623.2	3725634.6	211.8	0.00	1.42	1.42	YES		NO
L0000810	0	0.19841E-02	437620.8	3725632.8	211.7	0.00	1.42	1.42	YES		NO
L0000811	0	0.19841E-02	437618.4	3725630.9	211.5	0.00	1.42	1.42	YES		NO
L0000812	0	0.19841E-02	437616.0	3725629.0	211.3	0.00	1.42	1.42	YES		NO
L0000813	0	0.19841E-02	437613.6	3725627.2	211.1	0.00	1.42	1.42	YES		NO
L0000814	0	0.19841E-02	437611.2	3725625.3	210.9	0.00	1.42	1.42	YES		NO
L0000815	0	0.19841E-02	437608.8	3725623.4	210.8	0.00	1.42	1.42	YES		NO
L0000816	0	0.19841E-02	437606.4	3725621.5	210.7	0.00	1.42	1.42	YES		NO
L0000817	0	0.19841E-02	437604.0	3725619.7	210.6	0.00	1.42	1.42	YES		NO
L0000818	0	0.19841E-02	437601.5	3725617.8	210.5	0.00	1.42	1.42	YES		NO
L0000819	0	0.19841E-02	437599.1	3725615.9	210.3	0.00	1.42	1.42	YES		NO
L0000820	0	0.19841E-02	437596.7	3725614.2	210.2	0.00	1.42	1.42	YES		NO
L0000821	0	0.19841E-02	437594.1	3725612.5	210.1	0.00	1.42	1.42	YES		NO
L0000822	0	0.19841E-02	437591.5	3725610.9	210.0	0.00	1.42	1.42	YES		NO
L0000823	0	0.19841E-02	437589.0	3725609.2	209.9	0.00	1.42	1.42	YES		NO
L0000824	0	0.19841E-02	437586.4	3725607.6	210.0	0.00	1.42	1.42	YES		NO
L0000825	0	0.19841E-02	437583.8	3725606.0	210.0	0.00	1.42	1.42	YES		NO
L0000826	0	0.19841E-02	437581.2	3725604.3	210.1	0.00	1.42	1.42	YES		NO
L0000827	0	0.19841E-02	437578.7	3725602.7	210.2	0.00	1.42	1.42	YES		NO
L0000828	0	0.19841E-02	437576.1	3725601.0	210.2	0.00	1.42	1.42	YES		NO
L0000829	0	0.19841E-02	437573.5	3725599.4	210.3	0.00	1.42	1.42	YES		NO
L0000830	0	0.19841E-02	437571.0	3725597.8	210.4	0.00	1.42	1.42	YES		NO
L0000831	0	0.19841E-02	437568.4	3725596.1	210.4	0.00	1.42	1.42	YES		NO
L0000832	0	0.19841E-02	437565.8	3725594.6	210.4	0.00	1.42	1.42	YES		NO
L0000833	0	0.19841E-02	437563.2	3725593.0	210.5	0.00	1.42	1.42	YES		NO
L0000834	0	0.19841E-02	437560.5	3725591.5	210.5	0.00	1.42	1.42	YES		NO
L0000835	0	0.19841E-02	437557.9	3725590.0	210.6	0.00	1.42	1.42	YES		NO
L0000836	0	0.19841E-02	437555.2	3725588.4	210.7	0.00	1.42	1.42	YES		NO
L0000837	0	0.19841E-02	437552.6	3725586.9	210.8	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000838	0	0.19841E-02	437550.0	3725585.4	210.9	0.00	1.42	1.42	YES		NO
L0000839	0	0.19841E-02	437547.3	3725583.9	211.0	0.00	1.42	1.42	YES		NO
L0000840	0	0.19841E-02	437544.7	3725582.3	211.1	0.00	1.42	1.42	YES		NO
L0000841	0	0.19841E-02	437542.1	3725580.8	211.2	0.00	1.42	1.42	YES		NO
L0000842	0	0.19841E-02	437539.4	3725579.3	211.3	0.00	1.42	1.42	YES		NO
L0000843	0	0.19841E-02	437536.8	3725577.8	211.5	0.00	1.42	1.42	YES		NO
L0000844	0	0.19841E-02	437534.1	3725576.2	211.6	0.00	1.42	1.42	YES		NO
L0000845	0	0.19841E-02	437531.5	3725574.7	211.7	0.00	1.42	1.42	YES		NO
L0000846	0	0.19841E-02	437528.9	3725573.2	211.8	0.00	1.42	1.42	YES		NO
L0000847	0	0.19841E-02	437526.2	3725571.6	211.8	0.00	1.42	1.42	YES		NO
L0000848	0	0.19841E-02	437523.6	3725570.1	211.8	0.00	1.42	1.42	YES		NO
L0000849	0	0.19841E-02	437521.0	3725568.6	211.8	0.00	1.42	1.42	YES		NO
L0000850	0	0.19841E-02	437518.3	3725567.1	211.9	0.00	1.42	1.42	YES		NO
L0000851	0	0.19841E-02	437515.6	3725565.7	211.9	0.00	1.42	1.42	YES		NO
L0000852	0	0.19841E-02	437512.8	3725564.4	212.0	0.00	1.42	1.42	YES		NO
L0000853	0	0.19841E-02	437510.1	3725563.1	212.1	0.00	1.42	1.42	YES		NO
L0000854	0	0.19841E-02	437507.3	3725561.9	212.2	0.00	1.42	1.42	YES		NO
L0000855	0	0.19841E-02	437504.5	3725560.6	212.3	0.00	1.42	1.42	YES		NO
L0000856	0	0.19841E-02	437501.7	3725559.4	212.4	0.00	1.42	1.42	YES		NO
L0000857	0	0.19841E-02	437498.9	3725558.1	212.5	0.00	1.42	1.42	YES		NO
L0000858	0	0.19841E-02	437496.1	3725556.9	212.7	0.00	1.42	1.42	YES		NO
L0000859	0	0.19841E-02	437493.3	3725555.7	212.9	0.00	1.42	1.42	YES		NO
L0000860	0	0.19841E-02	437490.5	3725554.6	213.1	0.00	1.42	1.42	YES		NO
L0000861	0	0.19841E-02	437487.7	3725553.4	213.3	0.00	1.42	1.42	YES		NO
L0000862	0	0.19841E-02	437484.9	3725552.2	213.5	0.00	1.42	1.42	YES		NO
L0000863	0	0.19841E-02	437482.1	3725551.0	213.7	0.00	1.42	1.42	YES		NO
L0000864	0	0.19841E-02	437479.3	3725549.8	213.9	0.00	1.42	1.42	YES		NO
L0000865	0	0.19841E-02	437476.5	3725548.6	214.1	0.00	1.42	1.42	YES		NO
L0000866	0	0.19841E-02	437473.7	3725547.4	214.4	0.00	1.42	1.42	YES		NO
L0000867	0	0.19841E-02	437470.9	3725546.2	214.6	0.00	1.42	1.42	YES		NO
L0000868	0	0.19841E-02	437468.1	3725545.1	214.8	0.00	1.42	1.42	YES		NO
L0000869	0	0.19841E-02	437465.3	3725543.7	215.1	0.00	1.42	1.42	YES		NO
L0000870	0	0.19841E-02	437462.6	3725542.3	215.3	0.00	1.42	1.42	YES		NO
L0000871	0	0.19841E-02	437459.9	3725540.9	215.6	0.00	1.42	1.42	YES		NO
L0000872	0	0.19841E-02	437457.2	3725539.5	215.9	0.00	1.42	1.42	YES		NO
L0000873	0	0.19841E-02	437454.5	3725538.1	216.2	0.00	1.42	1.42	YES		NO
L0000874	0	0.19841E-02	437452.0	3725536.4	216.4	0.00	1.42	1.42	YES		NO
L0000875	0	0.19841E-02	437449.5	3725534.6	216.5	0.00	1.42	1.42	YES		NO
L0000876	0	0.19841E-02	437446.6	3725533.8	216.7	0.00	1.42	1.42	YES		NO
L0000877	0	0.19841E-02	437443.6	3725533.1	217.0	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000878	0	0.19841E-02	437440.7	3725532.4	217.2	0.00	1.42	1.42	YES		NO
L0000879	0	0.19841E-02	437437.7	3725531.7	217.4	0.00	1.42	1.42	YES		NO
L0000880	0	0.19841E-02	437434.8	3725531.0	217.5	0.00	1.42	1.42	YES		NO
L0000881	0	0.19841E-02	437431.8	3725530.3	217.6	0.00	1.42	1.42	YES		NO
L0000882	0	0.19841E-02	437428.8	3725529.6	217.7	0.00	1.42	1.42	YES		NO
L0000883	0	0.19841E-02	437425.9	3725528.9	217.8	0.00	1.42	1.42	YES		NO
L0000884	0	0.19841E-02	437422.9	3725528.1	217.9	0.00	1.42	1.42	YES		NO
L0000885	0	0.19841E-02	437419.9	3725527.4	218.1	0.00	1.42	1.42	YES		NO
L0000886	0	0.19841E-02	437417.0	3725526.7	218.2	0.00	1.42	1.42	YES		NO
L0000887	0	0.19841E-02	437414.0	3725526.0	218.3	0.00	1.42	1.42	YES		NO
L0000888	0	0.19841E-02	437411.0	3725525.3	218.5	0.00	1.42	1.42	YES		NO
L0000889	0	0.19841E-02	437408.1	3725524.6	218.5	0.00	1.42	1.42	YES		NO
L0000890	0	0.19841E-02	437405.1	3725523.9	218.4	0.00	1.42	1.42	YES		NO
L0000891	0	0.19841E-02	437402.1	3725523.2	218.4	0.00	1.42	1.42	YES		NO
L0000892	0	0.19841E-02	437399.2	3725522.5	218.3	0.00	1.42	1.42	YES		NO
L0000893	0	0.19841E-02	437396.2	3725521.8	218.3	0.00	1.42	1.42	YES		NO
L0000894	0	0.19841E-02	437393.2	3725521.1	218.3	0.00	1.42	1.42	YES		NO
L0000895	0	0.19841E-02	437390.3	3725520.3	218.2	0.00	1.42	1.42	YES		NO
L0000896	0	0.19841E-02	437387.3	3725519.6	218.2	0.00	1.42	1.42	YES		NO
L0000897	0	0.19841E-02	437384.4	3725518.9	218.2	0.00	1.42	1.42	YES		NO
L0000898	0	0.19841E-02	437381.4	3725518.2	218.2	0.00	1.42	1.42	YES		NO
L0000899	0	0.19841E-02	437378.4	3725517.5	218.1	0.00	1.42	1.42	YES		NO
L0000900	0	0.19841E-02	437375.5	3725516.8	217.7	0.00	1.42	1.42	YES		NO
L0000901	0	0.19841E-02	437372.5	3725516.1	217.5	0.00	1.42	1.42	YES		NO
L0000902	0	0.19841E-02	437369.5	3725515.4	217.2	0.00	1.42	1.42	YES		NO
L0000903	0	0.19841E-02	437366.6	3725514.7	216.9	0.00	1.42	1.42	YES		NO
L0000904	0	0.19841E-02	437363.6	3725514.0	216.6	0.00	1.42	1.42	YES		NO
L0000905	0	0.19841E-02	437360.6	3725513.3	216.3	0.00	1.42	1.42	YES		NO
L0000906	0	0.19841E-02	437357.8	3725512.2	216.0	0.00	1.42	1.42	YES		NO
L0000907	0	0.19841E-02	437355.2	3725510.7	215.7	0.00	1.42	1.42	YES		NO
L0000908	0	0.19841E-02	437352.6	3725509.1	215.4	0.00	1.42	1.42	YES		NO
L0000909	0	0.19841E-02	437349.9	3725507.6	215.1	0.00	1.42	1.42	YES		NO
L0000910	0	0.19841E-02	437347.3	3725506.0	214.8	0.00	1.42	1.42	YES		NO
L0000911	0	0.19841E-02	437344.7	3725504.5	214.4	0.00	1.42	1.42	YES		NO
L0000912	0	0.19841E-02	437343.0	3725502.1	214.1	0.00	1.42	1.42	YES		NO
L0000913	0	0.19841E-02	437341.7	3725499.3	213.9	0.00	1.42	1.42	YES		NO
L0000914	0	0.19841E-02	437340.4	3725496.6	213.6	0.00	1.42	1.42	YES		NO
L0000915	0	0.19841E-02	437339.4	3725493.7	213.4	0.00	1.42	1.42	YES		NO
L0000916	0	0.19841E-02	437339.0	3725490.7	213.3	0.00	1.42	1.42	YES		NO
L0000917	0	0.19841E-02	437338.7	3725487.7	213.1	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000918	0	0.19841E-02	437338.3	3725484.6	213.0	0.00	1.42	1.42	YES		NO
L0000919	0	0.19841E-02	437338.5	3725481.6	212.9	0.00	1.42	1.42	YES		NO
L0000920	0	0.19841E-02	437338.9	3725478.6	212.8	0.00	1.42	1.42	YES		NO
L0000921	0	0.19841E-02	437339.4	3725475.6	212.6	0.00	1.42	1.42	YES		NO
L0000922	0	0.19841E-02	437339.8	3725472.6	212.6	0.00	1.42	1.42	YES		NO
L0000923	0	0.19841E-02	437340.3	3725469.6	212.5	0.00	1.42	1.42	YES		NO
L0000924	0	0.19841E-02	437340.7	3725466.6	212.4	0.00	1.42	1.42	YES		NO
L0000925	0	0.19841E-02	437341.2	3725463.5	212.3	0.00	1.42	1.42	YES		NO
L0000926	0	0.19841E-02	437341.6	3725460.5	212.2	0.00	1.42	1.42	YES		NO
L0000927	0	0.19841E-02	437342.1	3725457.5	212.1	0.00	1.42	1.42	YES		NO
L0000928	0	0.19841E-02	437342.5	3725454.5	212.0	0.00	1.42	1.42	YES		NO
L0000929	0	0.19841E-02	437343.0	3725451.5	212.0	0.00	1.42	1.42	YES		NO
L0000930	0	0.19841E-02	437343.4	3725448.5	211.9	0.00	1.42	1.42	YES		NO
L0000931	0	0.19841E-02	437343.9	3725445.5	211.8	0.00	1.42	1.42	YES		NO
L0000932	0	0.19841E-02	437344.3	3725442.4	212.0	0.00	1.42	1.42	YES		NO
L0000933	0	0.19841E-02	437344.8	3725439.4	212.1	0.00	1.42	1.42	YES		NO
L0000934	0	0.19841E-02	437345.2	3725436.4	212.2	0.00	1.42	1.42	YES		NO
L0000935	0	0.19841E-02	437345.7	3725433.4	212.3	0.00	1.42	1.42	YES		NO
L0000936	0	0.19841E-02	437346.1	3725430.4	212.4	0.00	1.42	1.42	YES		NO
L0000937	0	0.19841E-02	437346.5	3725427.4	212.5	0.00	1.42	1.42	YES		NO
L0000938	0	0.19841E-02	437346.9	3725424.3	212.6	0.00	1.42	1.42	YES		NO
L0000939	0	0.19841E-02	437347.3	3725421.3	212.8	0.00	1.42	1.42	YES		NO
L0000940	0	0.19841E-02	437347.7	3725418.3	212.9	0.00	1.42	1.42	YES		NO
L0000941	0	0.19841E-02	437348.1	3725415.3	213.1	0.00	1.42	1.42	YES		NO
L0000942	0	0.19841E-02	437348.5	3725412.2	213.9	0.00	1.42	1.42	YES		NO
L0000943	0	0.19841E-02	437348.9	3725409.2	214.6	0.00	1.42	1.42	YES		NO
L0000944	0	0.19841E-02	437349.3	3725406.2	215.3	0.00	1.42	1.42	YES		NO
L0000945	0	0.19841E-02	437349.7	3725403.2	216.0	0.00	1.42	1.42	YES		NO
L0000946	0	0.19841E-02	437350.1	3725400.2	216.7	0.00	1.42	1.42	YES		NO
L0000947	0	0.19841E-02	437350.5	3725397.1	217.4	0.00	1.42	1.42	YES		NO
L0000948	0	0.19841E-02	437350.9	3725394.1	218.0	0.00	1.42	1.42	YES		NO
L0000949	0	0.19841E-02	437351.2	3725391.1	218.7	0.00	1.42	1.42	YES		NO
L0000950	0	0.19841E-02	437351.6	3725388.1	219.4	0.00	1.42	1.42	YES		NO
L0000951	0	0.19841E-02	437352.0	3725385.0	219.8	0.00	1.42	1.42	YES		NO
L0000952	0	0.19841E-02	437352.4	3725382.0	219.7	0.00	1.42	1.42	YES		NO
L0000953	0	0.19841E-02	437352.8	3725379.0	219.7	0.00	1.42	1.42	YES		NO
L0000954	0	0.19841E-02	437353.2	3725376.0	219.6	0.00	1.42	1.42	YES		NO
L0000955	0	0.19841E-02	437353.6	3725373.0	219.5	0.00	1.42	1.42	YES		NO
L0000956	0	0.19841E-02	437354.0	3725369.9	219.5	0.00	1.42	1.42	YES		NO
L0000957	0	0.19841E-02	437354.4	3725366.9	219.4	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000958	0	0.19841E-02	437354.8	3725363.9	219.4	0.00	1.42	1.42	YES		NO
L0000959	0	0.19841E-02	437355.2	3725360.9	219.3	0.00	1.42	1.42	YES		NO
L0000960	0	0.19841E-02	437355.6	3725357.8	219.2	0.00	1.42	1.42	YES		NO
L0000961	0	0.19841E-02	437356.0	3725354.8	219.0	0.00	1.42	1.42	YES		NO
L0000962	0	0.19841E-02	437356.4	3725351.8	218.7	0.00	1.42	1.42	YES		NO
L0000963	0	0.19841E-02	437356.8	3725348.8	218.3	0.00	1.42	1.42	YES		NO
L0000964	0	0.19841E-02	437357.2	3725345.8	218.0	0.00	1.42	1.42	YES		NO
L0000965	0	0.19841E-02	437357.6	3725342.7	217.6	0.00	1.42	1.42	YES		NO
L0000966	0	0.19841E-02	437358.0	3725339.7	217.2	0.00	1.42	1.42	YES		NO
L0000967	0	0.19841E-02	437358.5	3725336.7	216.9	0.00	1.42	1.42	YES		NO
L0000968	0	0.19841E-02	437359.0	3725333.7	216.5	0.00	1.42	1.42	YES		NO
L0000969	0	0.19841E-02	437359.4	3725330.7	216.2	0.00	1.42	1.42	YES		NO
L0000970	0	0.19841E-02	437359.9	3725327.7	215.8	0.00	1.42	1.42	YES		NO
L0000971	0	0.19841E-02	437360.4	3725324.7	215.4	0.00	1.42	1.42	YES		NO
L0000972	0	0.19841E-02	437360.8	3725321.6	215.0	0.00	1.42	1.42	YES		NO
L0000973	0	0.19841E-02	437361.3	3725318.6	214.6	0.00	1.42	1.42	YES		NO
L0000974	0	0.19841E-02	437361.8	3725315.6	214.3	0.00	1.42	1.42	YES		NO
L0000975	0	0.19841E-02	437362.2	3725312.6	213.9	0.00	1.42	1.42	YES		NO
L0000976	0	0.19841E-02	437362.7	3725309.6	213.5	0.00	1.42	1.42	YES		NO
L0000977	0	0.19841E-02	437363.2	3725306.6	213.2	0.00	1.42	1.42	YES		NO
L0000978	0	0.19841E-02	437363.6	3725303.6	212.8	0.00	1.42	1.42	YES		NO
L0000979	0	0.19841E-02	437364.1	3725300.6	212.5	0.00	1.42	1.42	YES		NO
L0000980	0	0.19841E-02	437364.6	3725297.5	212.2	0.00	1.42	1.42	YES		NO
L0000981	0	0.19841E-02	437365.0	3725294.5	211.9	0.00	1.42	1.42	YES		NO
L0000982	0	0.19841E-02	437365.5	3725291.5	211.6	0.00	1.42	1.42	YES		NO
L0000983	0	0.19841E-02	437366.0	3725288.5	211.4	0.00	1.42	1.42	YES		NO
L0000984	0	0.19841E-02	437366.4	3725285.5	211.2	0.00	1.42	1.42	YES		NO
L0000985	0	0.19841E-02	437366.9	3725282.5	210.9	0.00	1.42	1.42	YES		NO
L0000986	0	0.19841E-02	437367.4	3725279.5	210.7	0.00	1.42	1.42	YES		NO
L0000987	0	0.19841E-02	437367.8	3725276.5	210.5	0.00	1.42	1.42	YES		NO
L0000988	0	0.19841E-02	437368.5	3725273.5	210.2	0.00	1.42	1.42	YES		NO
L0000989	0	0.19841E-02	437369.9	3725270.8	210.0	0.00	1.42	1.42	YES		NO
L0000990	0	0.19841E-02	437371.3	3725268.1	209.7	0.00	1.42	1.42	YES		NO
L0000991	0	0.19841E-02	437372.7	3725265.4	209.4	0.00	1.42	1.42	YES		NO
L0000992	0	0.19841E-02	437373.6	3725262.5	209.0	0.00	1.42	1.42	YES		NO
L0000993	0	0.19841E-02	437374.5	3725259.6	208.7	0.00	1.42	1.42	YES		NO
L0000994	0	0.19841E-02	437375.4	3725256.7	208.3	0.00	1.42	1.42	YES		NO
L0000995	0	0.19841E-02	437376.3	3725253.8	208.0	0.00	1.42	1.42	YES		NO
L0000996	0	0.19841E-02	437377.2	3725250.9	207.6	0.00	1.42	1.42	YES		NO
L0000997	0	0.19841E-02	437378.2	3725248.0	207.3	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000998	0	0.19841E-02	437379.1	3725245.1	206.9	0.00	1.42	1.42	YES		NO
L0000999	0	0.19841E-02	437380.1	3725242.2	206.6	0.00	1.42	1.42	YES		NO
L0001000	0	0.19841E-02	437381.0	3725239.3	206.2	0.00	1.42	1.42	YES		NO
L0001001	0	0.19841E-02	437381.9	3725236.4	205.8	0.00	1.42	1.42	YES		NO
L0001002	0	0.19841E-02	437382.9	3725233.5	205.7	0.00	1.42	1.42	YES		NO
L0001003	0	0.19841E-02	437383.8	3725230.6	205.5	0.00	1.42	1.42	YES		NO
L0001004	0	0.19841E-02	437384.7	3725227.7	205.4	0.00	1.42	1.42	YES		NO
L0001005	0	0.19841E-02	437385.7	3725224.8	205.2	0.00	1.42	1.42	YES		NO
L0001006	0	0.19841E-02	437386.6	3725221.9	205.1	0.00	1.42	1.42	YES		NO
L0001007	0	0.19841E-02	437387.5	3725219.0	204.9	0.00	1.42	1.42	YES		NO
L0001008	0	0.19841E-02	437388.5	3725216.1	204.7	0.00	1.42	1.42	YES		NO
L0001009	0	0.19841E-02	437389.4	3725213.1	204.5	0.00	1.42	1.42	YES		NO
L0001010	0	0.19841E-02	437390.3	3725210.2	204.3	0.00	1.42	1.42	YES		NO
L0001011	0	0.19841E-02	437391.3	3725207.3	204.1	0.00	1.42	1.42	YES		NO
L0001012	0	0.19841E-02	437392.2	3725204.4	203.9	0.00	1.42	1.42	YES		NO
L0001013	0	0.19841E-02	437393.2	3725201.5	203.8	0.00	1.42	1.42	YES		NO
L0001014	0	0.19841E-02	437394.1	3725198.6	203.7	0.00	1.42	1.42	YES		NO
L0001015	0	0.19841E-02	437395.2	3725195.8	203.6	0.00	1.42	1.42	YES		NO
L0001016	0	0.19841E-02	437396.6	3725193.1	203.3	0.00	1.42	1.42	YES		NO
L0001017	0	0.19841E-02	437398.9	3725191.2	202.8	0.00	1.42	1.42	YES		NO
L0001018	0	0.19841E-02	437401.5	3725189.6	202.2	0.00	1.42	1.42	YES		NO
L0001019	0	0.19841E-02	437404.1	3725188.1	201.7	0.00	1.42	1.42	YES		NO
L0001020	0	0.19841E-02	437406.9	3725187.1	201.0	0.00	1.42	1.42	YES		NO
L0001021	0	0.19841E-02	437409.9	3725186.5	200.3	0.00	1.42	1.42	YES		NO
L0001022	0	0.19841E-02	437412.9	3725185.8	200.2	0.00	1.42	1.42	YES		NO
L0001023	0	0.19841E-02	437415.9	3725185.4	200.1	0.00	1.42	1.42	YES		NO
L0001024	0	0.19841E-02	437418.9	3725185.4	200.0	0.00	1.42	1.42	YES		NO
L0001025	0	0.19841E-02	437422.0	3725185.4	199.9	0.00	1.42	1.42	YES		NO
L0001026	0	0.19841E-02	437424.9	3725186.3	199.8	0.00	1.42	1.42	YES		NO
L0001027	0	0.19841E-02	437427.8	3725187.2	199.8	0.00	1.42	1.42	YES		NO
L0001028	0	0.19841E-02	437430.7	3725188.1	199.7	0.00	1.42	1.42	YES		NO
L0001029	0	0.19841E-02	437433.6	3725189.1	199.6	0.00	1.42	1.42	YES		NO
L0001030	0	0.19841E-02	437436.5	3725190.0	199.6	0.00	1.42	1.42	YES		NO
L0001031	0	0.19841E-02	437439.4	3725190.9	199.5	0.00	1.42	1.42	YES		NO
L0001032	0	0.19841E-02	437442.3	3725191.9	199.6	0.00	1.42	1.42	YES		NO
L0001033	0	0.19841E-02	437445.1	3725193.1	199.7	0.00	1.42	1.42	YES		NO
L0001034	0	0.19841E-02	437447.9	3725194.2	199.7	0.00	1.42	1.42	YES		NO
L0001035	0	0.19841E-02	437450.8	3725195.4	199.8	0.00	1.42	1.42	YES		NO
L0001036	0	0.19841E-02	437453.6	3725196.6	199.8	0.00	1.42	1.42	YES		NO
L0001037	0	0.19841E-02	437456.4	3725197.7	199.9	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0001038	0	0.19841E-02	437459.2	3725198.9	199.9	0.00	1.42	1.42	YES		NO
L0001039	0	0.19841E-02	437462.0	3725200.0	200.0	0.00	1.42	1.42	YES		NO
L0001040	0	0.19841E-02	437464.8	3725201.2	200.0	0.00	1.42	1.42	YES		NO
L0001041	0	0.19841E-02	437467.7	3725202.4	200.0	0.00	1.42	1.42	YES		NO
L0001042	0	0.19841E-02	437470.5	3725203.5	200.0	0.00	1.42	1.42	YES		NO
L0001043	0	0.19841E-02	437473.2	3725204.8	200.0	0.00	1.42	1.42	YES		NO
L0001044	0	0.19841E-02	437476.0	3725206.2	200.0	0.00	1.42	1.42	YES		NO
L0001045	0	0.19841E-02	437478.7	3725207.5	200.0	0.00	1.42	1.42	YES		NO
L0001046	0	0.19841E-02	437481.4	3725208.9	200.0	0.00	1.42	1.42	YES		NO
L0001047	0	0.19841E-02	437484.1	3725210.3	200.1	0.00	1.42	1.42	YES		NO
L0001048	0	0.19841E-02	437486.9	3725211.6	200.1	0.00	1.42	1.42	YES		NO
L0001049	0	0.19841E-02	437489.6	3725213.0	200.2	0.00	1.42	1.42	YES		NO
L0001050	0	0.19841E-02	437492.3	3725214.4	200.2	0.00	1.42	1.42	YES		NO
L0001051	0	0.19841E-02	437495.1	3725215.7	200.3	0.00	1.42	1.42	YES		NO
L0001052	0	0.19841E-02	437497.8	3725217.1	200.3	0.00	1.42	1.42	YES		NO
L0001053	0	0.19841E-02	437500.5	3725218.4	200.5	0.00	1.42	1.42	YES		NO
L0001054	0	0.19841E-02	437503.2	3725219.8	200.7	0.00	1.42	1.42	YES		NO
L0001055	0	0.19841E-02	437505.6	3725221.7	200.9	0.00	1.42	1.42	YES		NO
L0001056	0	0.19841E-02	437507.7	3725223.9	201.1	0.00	1.42	1.42	YES		NO
L0001057	0	0.19841E-02	437509.8	3725226.1	201.4	0.00	1.42	1.42	YES		NO
L0001058	0	0.19841E-02	437512.0	3725228.2	201.6	0.00	1.42	1.42	YES		NO
L0001059	0	0.19841E-02	437514.1	3725230.4	201.8	0.00	1.42	1.42	YES		NO
L0001060	0	0.19841E-02	437516.3	3725232.6	202.0	0.00	1.42	1.42	YES		NO
L0001061	0	0.19841E-02	437518.4	3725234.7	202.2	0.00	1.42	1.42	YES		NO
L0001062	0	0.19841E-02	437520.6	3725236.9	202.4	0.00	1.42	1.42	YES		NO
L0001063	0	0.19841E-02	437522.7	3725239.1	202.6	0.00	1.42	1.42	YES		NO
L0001064	0	0.19841E-02	437524.8	3725241.2	202.9	0.00	1.42	1.42	YES		NO
L0001065	0	0.19841E-02	437527.0	3725243.4	203.1	0.00	1.42	1.42	YES		NO
L0001066	0	0.19841E-02	437529.1	3725245.6	203.3	0.00	1.42	1.42	YES		NO
L0001067	0	0.19841E-02	437531.3	3725247.7	203.6	0.00	1.42	1.42	YES		NO
L0001068	0	0.19841E-02	437533.4	3725249.9	203.9	0.00	1.42	1.42	YES		NO
L0001069	0	0.19841E-02	437535.5	3725252.1	204.2	0.00	1.42	1.42	YES		NO
L0001070	0	0.19841E-02	437537.7	3725254.2	204.5	0.00	1.42	1.42	YES		NO
L0001071	0	0.19841E-02	437539.8	3725256.4	204.8	0.00	1.42	1.42	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
IN	L0000568 , L0000569 , L0000570 , L0000571 , L0000572 , L0000573 , L0000574 , L0000575 ,
	L0000576 , L0000577 , L0000578 , L0000579 , L0000580 , L0000581 , L0000582 , L0000583 ,
	L0000584 , L0000585 , L0000586 , L0000587 , L0000588 , L0000589 , L0000590 , L0000591 ,
	L0000592 , L0000593 , L0000594 , L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
	L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
	L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
	L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , L0000623 ,
	L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 , L0000630 , L0000631 ,
	L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 ,
	L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 , L0000646 , L0000647 ,
	L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 , L0000654 , L0000655 ,
	L0000656 , L0000657 , L0000658 , L0000659 , L0000660 , L0000661 , L0000662 , L0000663 ,
	L0000664 , L0000665 , L0000666 , L0000667 , L0000668 , L0000669 , L0000670 , L0000671 ,
	L0000672 , L0000673 , L0000674 , L0000675 , L0000676 , L0000677 , L0000678 , L0000679 ,
	L0000680 , L0000681 , L0000682 , L0000683 , L0000684 , L0000685 , L0000686 , L0000687 ,
	L0000688 , L0000689 , L0000690 , L0000691 , L0000692 , L0000693 , L0000694 , L0000695 ,
	L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 , L0000702 , L0000703 ,
	L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 , L0000710 , L0000711 ,
	L0000712 , L0000713 , L0000714 , L0000715 , L0000716 , L0000717 , L0000718 , L0000719 ,
	L0000720 , L0000721 , L0000722 , L0000723 , L0000724 , L0000725 , L0000726 , L0000727 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000728 , L0000729 , L0000730 , L0000731 , L0000732 , L0000733 , L0000734 , L0000735 ,
	L0000736 , L0000737 , L0000738 , L0000739 , L0000740 , L0000741 , L0000742 , L0000743 ,
	L0000744 , L0000745 , L0000746 , L0000747 , L0000748 , L0000749 , L0000750 , L0000751 ,
	L0000752 , L0000753 , L0000754 , L0000755 , L0000756 , L0000757 , L0000758 , L0000759 ,
	L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 ,
	L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 ,
	L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 ,
	L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 , L0000790 , L0000791 ,
	L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 , L0000798 , L0000799 ,
	L0000800 , L0000801 , L0000802 , L0000803 , L0000804 , L0000805 , L0000806 , L0000807 ,
	L0000808 , L0000809 , L0000810 , L0000811 , L0000812 , L0000813 , L0000814 , L0000815 ,
	L0000816 , L0000817 , L0000818 , L0000819 , L0000820 , L0000821 , L0000822 , L0000823 ,
	L0000824 , L0000825 , L0000826 , L0000827 , L0000828 , L0000829 , L0000830 , L0000831 ,
	L0000832 , L0000833 , L0000834 , L0000835 , L0000836 , L0000837 , L0000838 , L0000839 ,
	L0000840 , L0000841 , L0000842 , L0000843 , L0000844 , L0000845 , L0000846 , L0000847 ,
	L0000848 , L0000849 , L0000850 , L0000851 , L0000852 , L0000853 , L0000854 , L0000855 ,
	L0000856 , L0000857 , L0000858 , L0000859 , L0000860 , L0000861 , L0000862 , L0000863 ,
	L0000864 , L0000865 , L0000866 , L0000867 , L0000868 , L0000869 , L0000870 , L0000871 ,
	L0000872 , L0000873 , L0000874 , L0000875 , L0000876 , L0000877 , L0000878 , L0000879 ,
	L0000880 , L0000881 , L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000888 , L0000889 , L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 ,
	L0000896 , L0000897 , L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 ,
	L0000904 , L0000905 , L0000906 , L0000907 , L0000908 , L0000909 , L0000910 , L0000911 ,
	L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 , L0000919 ,
	L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,
	L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 ,
	L0000936 , L0000937 , L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 ,
	L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 ,
	L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 ,
	L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , L0000966 , L0000967 ,
	L0000968 , L0000969 , L0000970 , L0000971 , L0000972 , L0000973 , L0000974 , L0000975 ,
	L0000976 , L0000977 , L0000978 , L0000979 , L0000980 , L0000981 , L0000982 , L0000983 ,
	L0000984 , L0000985 , L0000986 , L0000987 , L0000988 , L0000989 , L0000990 , L0000991 ,
	L0000992 , L0000993 , L0000994 , L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,
	L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
	L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
	L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , L0001023 ,
	L0001024 , L0001025 , L0001026 , L0001027 , L0001028 , L0001029 , L0001030 , L0001031 ,
	L0001032 , L0001033 , L0001034 , L0001035 , L0001036 , L0001037 , L0001038 , L0001039 ,
	L0001040 , L0001041 , L0001042 , L0001043 , L0001044 , L0001045 , L0001046 , L0001047 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0001048 , L0001049 , L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 ,
	L0001056 , L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 ,
	L0001064 , L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 ,
ONSITE1	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
	L0000073 , L0001072 , L0001073 , L0001074 ,
OUT	L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 , L0000081 ,
	L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 , L0000089 ,
	L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 ,
	L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,
	L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 ,
	L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 ,
	L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 , L0000129 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000135 , L0000136 , L0000137 ,
	L0000138 , L0000139 , L0000140 , L0000141 , L0000142 , L0000143 , L0000144 , L0000145 ,
	L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 ,
	L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 ,
	L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 ,
	L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 , L0000177 ,
	L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 , L0000185 ,
	L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 ,
	L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 ,
	L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 , L0000209 ,
	L0000210 , L0000211 , L0000212 , L0000213 , L0000214 , L0000215 , L0000216 , L0000217 ,
	L0000218 , L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 ,
	L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 ,
	L0000234 , L0000235 , L0000236 , L0000237 , L0000238 , L0000239 , L0000240 , L0000241 ,
	L0000242 , L0000243 , L0000244 , L0000245 , L0000246 , L0000247 , L0000248 , L0000249 ,
	L0000250 , L0000251 , L0000252 , L0000253 , L0000254 , L0000255 , L0000256 , L0000257 ,
	L0000258 , L0000259 , L0000260 , L0000261 , L0000262 , L0000263 , L0000264 , L0000265 ,
	L0000266 , L0000267 , L0000268 , L0000269 , L0000270 , L0000271 , L0000272 , L0000273 ,
	L0000274 , L0000275 , L0000276 , L0000277 , L0000278 , L0000279 , L0000280 , L0000281 ,
	L0000282 , L0000283 , L0000284 , L0000285 , L0000286 , L0000287 , L0000288 , L0000289 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000290 , L0000291 , L0000292 , L0000293 , L0000294 , L0000295 , L0000296 , L0000297 ,
	L0000298 , L0000299 , L0000300 , L0000301 , L0000302 , L0000303 , L0000304 , L0000305 ,
	L0000306 , L0000307 , L0000308 , L0000309 , L0000310 , L0000311 , L0000312 , L0000313 ,
	L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000320 , L0000321 ,
	L0000322 , L0000323 , L0000324 , L0000325 , L0000326 , L0000327 , L0000328 , L0000329 ,
	L0000330 , L0000331 , L0000332 , L0000333 , L0000334 , L0000335 , L0000336 , L0000337 ,
	L0000338 , L0000339 , L0000340 , L0000341 , L0000342 , L0000343 , L0000344 , L0000345 ,
	L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 , L0000353 ,
	L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 , L0000361 ,
	L0000362 , L0000363 , L0000364 , L0000365 , L0000366 , L0000367 , L0000368 , L0000369 ,
	L0000370 , L0000371 , L0000372 , L0000373 , L0000374 , L0000375 , L0000376 , L0000377 ,
	L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
	L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
	L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
	L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 ,
	L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 ,
	L0000418 , L0000419 , L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 ,
	L0000426 , L0000427 , L0000428 , L0000429 , L0000430 , L0000431 , L0000432 , L0000433 ,
	L0000434 , L0000435 , L0000436 , L0000437 , L0000438 , L0000439 , L0000440 , L0000441 ,
	L0000442 , L0000443 , L0000444 , L0000445 , L0000446 , L0000447 , L0000448 , L0000449 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 , L0000457 ,
	L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 , L0000465 ,
	L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , L0000472 , L0000473 ,
	L0000474 , L0000475 , L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 ,
	L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 ,
	L0000490 , L0000491 , L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 ,
	L0000498 , L0000499 , L0000500 , L0000501 , L0000502 , L0000503 , L0000504 , L0000505 ,
	L0000506 , L0000507 , L0000508 , L0000509 , L0000510 , L0000511 , L0000512 , L0000513 ,
	L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 , L0000521 ,
	L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 , L0000529 ,
	L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , L0000535 , L0000536 , L0000537 ,
	L0000538 , L0000539 , L0000540 , L0000541 , L0000542 , L0000543 , L0000544 , L0000545 ,
	L0000546 , L0000547 , L0000548 , L0000549 , L0000550 , L0000551 , L0000552 , L0000553 ,
	L0000554 , L0000555 , L0000556 , L0000557 , L0000558 , L0000559 , L0000560 , L0000561 ,
	L0000562 , L0000563 , L0000564 , L0000565 , L0000566 , L0000567 ,
STCK1	STCK1 ,
STCK10	STCK10 ,
STCK11	STCK11 ,
STCK12	STCK12 ,
STCK13	STCK13 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
STCK14	STCK14 ,
STCK2	STCK2 ,
STCK3	STCK3 ,
STCK4	STCK4 ,
STCK5	STCK5 ,
STCK6	STCK6 ,
STCK7	STCK7 ,
STCK8	STCK8 ,
STCK9	STCK9 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	3010232.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
		L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
		L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
		L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
		L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
		L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
		L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
		L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
		L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
		L0000073 , L0001072 , L0001073 , L0001074 , L0000074 , L0000075 , L0000076 , L0000077 ,
		L0000078 , L0000079 , L0000080 , L0000081 , L0000082 , L0000083 , L0000084 , L0000085 ,
		L0000086 , L0000087 , L0000088 , L0000089 , L0000090 , L0000091 , L0000092 , L0000093 ,
		L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 ,
		L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 ,
		L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 ,
		L0000118 , L0000119 , L0000120 , L0000121 , L0000122 , L0000123 , L0000124 , L0000125 ,
		L0000126 , L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 ,
		L0000134 , L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,
		L0000142 , L0000143 , L0000144 , L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
		L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 ,
L0000174 , L0000175 , L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 ,
L0000182 , L0000183 , L0000184 , L0000185 , L0000186 , L0000187 , L0000188 , L0000189 ,
L0000190 , L0000191 , L0000192 , L0000193 , L0000194 , L0000195 , L0000196 , L0000197 ,
L0000198 , L0000199 , L0000200 , L0000201 , L0000202 , L0000203 , L0000204 , L0000205 ,
L0000206 , L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,
L0000214 , L0000215 , L0000216 , L0000217 , L0000218 , L0000219 , L0000220 , L0000221 ,
L0000222 , L0000223 , L0000224 , L0000225 , L0000226 , L0000227 , L0000228 , L0000229 ,
L0000230 , L0000231 , L0000232 , L0000233 , L0000234 , L0000235 , L0000236 , L0000237 ,
L0000238 , L0000239 , L0000240 , L0000241 , L0000242 , L0000243 , L0000244 , L0000245 ,
L0000246 , L0000247 , L0000248 , L0000249 , L0000250 , L0000251 , L0000252 , L0000253 ,
L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 , L0000260 , L0000261 ,
L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 , L0000268 , L0000269 ,
L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 , L0000276 , L0000277 ,
L0000278 , L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 , L0000285 ,
L0000286 , L0000287 , L0000288 , L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,
L0000294 , L0000295 , L0000296 , L0000297 , L0000298 , L0000299 , L0000300 , L0000301 ,
L0000302 , L0000303 , L0000304 , L0000305 , L0000306 , L0000307 , L0000308 , L0000309 ,
L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 , L0000325 ,
L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 , L0000333 ,
L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 , L0000340 , L0000341 ,
L0000342 , L0000343 , L0000344 , L0000345 , L0000346 , L0000347 , L0000348 , L0000349 ,
L0000350 , L0000351 , L0000352 , L0000353 , L0000354 , L0000355 , L0000356 , L0000357 ,
L0000358 , L0000359 , L0000360 , L0000361 , L0000362 , L0000363 , L0000364 , L0000365 ,
L0000366 , L0000367 , L0000368 , L0000369 , L0000370 , L0000371 , L0000372 , L0000373 ,
L0000374 , L0000375 , L0000376 , L0000377 , L0000378 , L0000379 , L0000380 , L0000381 ,
L0000382 , L0000383 , L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,
L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 , L0000397 ,
L0000398 , L0000399 , L0000400 , L0000401 , L0000402 , L0000403 , L0000404 , L0000405 ,
L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 , L0000412 , L0000413 ,
L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 , L0000420 , L0000421 ,
L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , L0000427 , L0000428 , L0000429 ,
L0000430 , L0000431 , L0000432 , L0000433 , L0000434 , L0000435 , L0000436 , L0000437 ,
L0000438 , L0000439 , L0000440 , L0000441 , L0000442 , L0000443 , L0000444 , L0000445 ,
L0000446 , L0000447 , L0000448 , L0000449 , L0000450 , L0000451 , L0000452 , L0000453 ,
L0000454 , L0000455 , L0000456 , L0000457 , L0000458 , L0000459 , L0000460 , L0000461 ,
L0000462 , L0000463 , L0000464 , L0000465 , L0000466 , L0000467 , L0000468 , L0000469 ,
L0000470 , L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 , L0000504 , L0000505 , L0000506 , L0000507 , L0000508 , L0000509 ,
L0000510 , L0000511 , L0000512 , L0000513 , L0000514 , L0000515 , L0000516 , L0000517 ,
L0000518 , L0000519 , L0000520 , L0000521 , L0000522 , L0000523 , L0000524 , L0000525 ,
L0000526 , L0000527 , L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000533 ,
L0000534 , L0000535 , L0000536 , L0000537 , L0000538 , L0000539 , L0000540 , L0000541 ,
L0000542 , L0000543 , L0000544 , L0000545 , L0000546 , L0000547 , L0000548 , L0000549 ,
L0000550 , L0000551 , L0000552 , L0000553 , L0000554 , L0000555 , L0000556 , L0000557 ,
L0000558 , L0000559 , L0000560 , L0000561 , L0000562 , L0000563 , L0000564 , L0000565 ,
L0000566 , L0000567 , L0000568 , L0000569 , L0000570 , L0000571 , L0000572 , L0000573 ,
L0000574 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 , L0000581 ,
L0000582 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 , L0000589 ,
L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , L0000596 , L0000597 ,
L0000598 , L0000599 , L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 ,
L0000606 , L0000607 , L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , L0000637 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000638 , L0000639 , L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 ,
L0000646 , L0000647 , L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 ,
L0000654 , L0000655 , L0000656 , L0000657 , L0000658 , L0000659 , L0000660 , L0000661 ,
L0000662 , L0000663 , L0000664 , L0000665 , L0000666 , L0000667 , L0000668 , L0000669 ,
L0000670 , L0000671 , L0000672 , L0000673 , L0000674 , L0000675 , L0000676 , L0000677 ,
L0000678 , L0000679 , L0000680 , L0000681 , L0000682 , L0000683 , L0000684 , L0000685 ,
L0000686 , L0000687 , L0000688 , L0000689 , L0000690 , L0000691 , L0000692 , L0000693 ,
L0000694 , L0000695 , L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 ,
L0000702 , L0000703 , L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 ,
L0000710 , L0000711 , L0000712 , L0000713 , L0000714 , L0000715 , L0000716 , L0000717 ,
L0000718 , L0000719 , L0000720 , L0000721 , L0000722 , L0000723 , L0000724 , L0000725 ,
L0000726 , L0000727 , L0000728 , L0000729 , L0000730 , L0000731 , L0000732 , L0000733 ,
L0000734 , L0000735 , L0000736 , L0000737 , L0000738 , L0000739 , L0000740 , L0000741 ,
L0000742 , L0000743 , L0000744 , L0000745 , L0000746 , L0000747 , L0000748 , L0000749 ,
L0000750 , L0000751 , L0000752 , L0000753 , L0000754 , L0000755 , L0000756 , L0000757 ,
L0000758 , L0000759 , L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 ,
L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 ,
L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 ,
L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 ,
L0000790 , L0000791 , L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000798 , L0000799 , L0000800 , L0000801 , L0000802 , L0000803 , L0000804 , L0000805 ,
L0000806 , L0000807 , L0000808 , L0000809 , L0000810 , L0000811 , L0000812 , L0000813 ,
L0000814 , L0000815 , L0000816 , L0000817 , L0000818 , L0000819 , L0000820 , L0000821 ,
L0000822 , L0000823 , L0000824 , L0000825 , L0000826 , L0000827 , L0000828 , L0000829 ,
L0000830 , L0000831 , L0000832 , L0000833 , L0000834 , L0000835 , L0000836 , L0000837 ,
L0000838 , L0000839 , L0000840 , L0000841 , L0000842 , L0000843 , L0000844 , L0000845 ,
L0000846 , L0000847 , L0000848 , L0000849 , L0000850 , L0000851 , L0000852 , L0000853 ,
L0000854 , L0000855 , L0000856 , L0000857 , L0000858 , L0000859 , L0000860 , L0000861 ,
L0000862 , L0000863 , L0000864 , L0000865 , L0000866 , L0000867 , L0000868 , L0000869 ,
L0000870 , L0000871 , L0000872 , L0000873 , L0000874 , L0000875 , L0000876 , L0000877 ,
L0000878 , L0000879 , L0000880 , L0000881 , L0000882 , L0000883 , L0000884 , L0000885 ,
L0000886 , L0000887 , L0000888 , L0000889 , L0000890 , L0000891 , L0000892 , L0000893 ,
L0000894 , L0000895 , L0000896 , L0000897 , L0000898 , L0000899 , L0000900 , L0000901 ,
L0000902 , L0000903 , L0000904 , L0000905 , L0000906 , L0000907 , L0000908 , L0000909 ,
L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 ,
L0000918 , L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 ,
L0000926 , L0000927 , L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 ,
L0000934 , L0000935 , L0000936 , L0000937 , L0000938 , L0000939 , L0000940 , L0000941 ,
L0000942 , L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 ,
L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 ,
L0000966 , L0000967 , L0000968 , L0000969 , L0000970 , L0000971 , L0000972 , L0000973 ,
L0000974 , L0000975 , L0000976 , L0000977 , L0000978 , L0000979 , L0000980 , L0000981 ,
L0000982 , L0000983 , L0000984 , L0000985 , L0000986 , L0000987 , L0000988 , L0000989 ,
L0000990 , L0000991 , L0000992 , L0000993 , L0000994 , L0000995 , L0000996 , L0000997 ,
L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 ,
L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 ,
L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 ,
L0001022 , L0001023 , L0001024 , L0001025 , L0001026 , L0001027 , L0001028 , L0001029 ,
L0001030 , L0001031 , L0001032 , L0001033 , L0001034 , L0001035 , L0001036 , L0001037 ,
L0001038 , L0001039 , L0001040 , L0001041 , L0001042 , L0001043 , L0001044 , L0001045 ,
L0001046 , L0001047 , L0001048 , L0001049 , L0001050 , L0001051 , L0001052 , L0001053 ,
L0001054 , L0001055 , L0001056 , L0001057 , L0001058 , L0001059 , L0001060 , L0001061 ,
L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 , L0001069 ,
L0001070 , L0001071 , STCK1 , STCK2 , STCK3 , STCK4 , STCK5 , STCK6 ,
STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 , STCK14 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437487.5,	3725277.4,	201.2,	221.0,	0.0);	(437484.5,	3725268.7,	201.0,	221.0,	0.0);
(437503.2,	3725300.1,	202.1,	220.0,	0.0);	(437480.2,	3725284.3,	200.7,	221.0,	0.0);
(437474.2,	3725267.5,	200.3,	221.0,	0.0);	(437483.2,	3725292.7,	200.9,	221.0,	0.0);
(437495.8,	3725306.8,	201.6,	221.0,	0.0);	(437472.8,	3725291.2,	200.2,	221.0,	0.0);
(437467.0,	3725274.7,	200.4,	221.0,	0.0);	(437465.4,	3725298.0,	201.3,	221.0,	0.0);
(437459.7,	3725281.8,	201.9,	221.0,	0.0);	(437454.0,	3725265.5,	201.5,	221.0,	0.0);
(437474.6,	3725313.1,	201.7,	221.0,	0.0);	(437458.0,	3725304.8,	203.6,	221.0,	0.0);
(437452.3,	3725288.7,	203.9,	221.0,	0.0);	(437446.7,	3725272.7,	203.1,	221.0,	0.0);
(437441.0,	3725256.7,	202.0,	221.0,	0.0);	(437467.2,	3725319.8,	202.8,	221.0,	0.0);
(437473.5,	3725326.8,	202.8,	221.0,	0.0);	(437442.9,	3725317.5,	207.4,	221.0,	0.0);
(437439.8,	3725308.8,	207.9,	221.0,	0.0);	(437436.8,	3725300.2,	208.1,	220.0,	0.0);
(437433.7,	3725291.5,	207.5,	221.0,	0.0);	(437430.7,	3725282.9,	206.5,	221.0,	0.0);
(437427.6,	3725274.2,	205.6,	221.0,	0.0);	(437424.6,	3725265.6,	204.9,	221.0,	0.0);
(437446.0,	3725326.1,	206.9,	221.0,	0.0);	(437452.3,	3725333.1,	206.1,	221.0,	0.0);
(437458.6,	3725340.2,	205.4,	221.0,	0.0);	(437428.1,	3725331.1,	208.9,	221.0,	0.0);
(437422.2,	3725314.2,	208.9,	221.0,	0.0);	(437419.2,	3725305.8,	208.9,	221.0,	0.0);
(437431.1,	3725339.5,	208.8,	221.0,	0.0);	(437437.4,	3725346.5,	208.2,	221.0,	0.0);
(437443.7,	3725353.5,	207.6,	221.0,	0.0);	(437413.1,	3725344.0,	210.8,	221.0,	0.0);
(437409.9,	3725335.1,	210.6,	221.0,	0.0);	(437406.8,	3725326.2,	210.3,	221.0,	0.0);
(437416.2,	3725352.8,	211.0,	221.0,	0.0);	(437422.5,	3725359.9,	210.3,	221.0,	0.0);
(437359.4,	3725228.2,	207.5,	221.0,	0.0);	(437363.4,	3725219.9,	207.4,	220.0,	0.0);
(437410.7,	3725120.6,	199.0,	220.0,	0.0);	(437339.4,	3725227.3,	209.3,	220.0,	0.0);
(437347.1,	3725211.1,	209.1,	220.0,	0.0);	(437354.9,	3725194.8,	209.5,	214.0,	0.0);
(437397.4,	3725105.6,	199.1,	220.0,	0.0);	(437340.4,	3725304.8,	214.9,	221.0,	0.0);
(437337.3,	3725296.0,	213.8,	221.0,	0.0);	(437334.2,	3725287.2,	213.3,	221.0,	0.0);
(437331.1,	3725278.4,	212.7,	221.0,	0.0);	(437319.6,	3725225.9,	211.3,	211.3,	0.0);
(437323.6,	3725217.5,	211.2,	211.2,	0.0);	(437327.6,	3725209.1,	211.1,	212.0,	0.0);
(437331.6,	3725200.6,	211.2,	214.0,	0.0);	(437335.6,	3725192.2,	211.6,	214.0,	0.0);
(437339.7,	3725183.8,	212.0,	212.0,	0.0);	(437338.3,	3725354.4,	220.2,	220.2,	0.0);
(437335.3,	3725345.7,	219.8,	219.8,	0.0);	(437332.2,	3725337.1,	219.4,	219.4,	0.0);
(437329.2,	3725328.4,	219.2,	219.2,	0.0);	(437326.1,	3725319.8,	218.3,	220.0,	0.0);
(437323.1,	3725311.2,	217.2,	220.0,	0.0);	(437320.0,	3725302.5,	216.0,	220.0,	0.0);
(437317.0,	3725293.9,	215.0,	220.0,	0.0);	(437313.9,	3725285.2,	214.3,	220.0,	0.0);
(437310.8,	3725276.6,	213.5,	220.0,	0.0);	(437299.5,	3725225.0,	212.5,	212.5,	0.0);
(437303.5,	3725216.8,	212.4,	212.4,	0.0);	(437307.4,	3725208.5,	212.4,	212.4,	0.0);
(437311.4,	3725200.2,	212.7,	216.0,	0.0);	(437315.3,	3725191.9,	213.2,	213.2,	0.0);
(437319.2,	3725183.6,	213.5,	213.5,	0.0);	(437346.9,	3725125.7,	207.6,	220.0,	0.0);
(437350.8,	3725117.4,	206.0,	220.0,	0.0);	(437354.8,	3725109.1,	204.1,	220.0,	0.0);
(437358.7,	3725100.9,	202.4,	220.0,	0.0);	(437320.7,	3725360.0,	220.3,	221.0,	0.0);
(437317.7,	3725351.5,	220.5,	221.0,	0.0);	(437314.7,	3725343.0,	219.9,	219.9,	0.0);
(437311.7,	3725334.5,	219.8,	219.8,	0.0);	(437308.7,	3725326.0,	220.0,	220.0,	0.0);
(437305.7,	3725317.4,	219.0,	219.0,	0.0);	(437302.7,	3725308.9,	218.1,	218.1,	0.0);
(437299.7,	3725300.4,	217.4,	217.4,	0.0);	(437296.7,	3725291.9,	216.7,	218.0,	0.0);
(437293.6,	3725283.4,	215.6,	220.0,	0.0);	(437290.6,	3725274.9,	214.4,	220.0,	0.0);
(437279.5,	3725224.1,	213.2,	213.2,	0.0);	(437287.3,	3725207.8,	213.0,	220.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437295.0,	3725191.5,	214.2,	220.0,	0.0);	(437298.9,	3725183.4,	214.7,	216.0,	0.0);
(437326.1,	3725126.3,	210.5,	220.0,	0.0);	(437333.9,	3725110.0,	207.4,	220.0,	0.0);
(437337.8,	3725101.8,	205.8,	220.0,	0.0);	(437345.5,	3725085.5,	201.9,	220.0,	0.0);
(437349.4,	3725077.4,	199.9,	220.0,	0.0);	(437299.0,	3725354.0,	216.5,	221.0,	0.0);
(437295.9,	3725345.3,	217.1,	221.0,	0.0);	(437292.8,	3725336.5,	218.2,	220.0,	0.0);
(437289.7,	3725327.7,	219.7,	220.0,	0.0);	(437286.6,	3725318.9,	218.8,	220.0,	0.0);
(437283.5,	3725310.2,	217.8,	220.0,	0.0);	(437280.4,	3725301.4,	216.9,	220.0,	0.0);
(437277.3,	3725292.6,	216.1,	220.0,	0.0);	(437274.2,	3725283.9,	215.2,	220.0,	0.0);
(437271.1,	3725275.1,	214.6,	218.0,	0.0);	(437259.6,	3725222.8,	213.6,	213.6,	0.0);
(437263.6,	3725214.4,	213.2,	218.0,	0.0);	(437267.6,	3725206.0,	213.0,	220.0,	0.0);
(437271.6,	3725197.6,	214.2,	220.0,	0.0);	(437275.6,	3725189.2,	215.2,	220.0,	0.0);
(437279.6,	3725180.8,	216.1,	216.1,	0.0);	(437307.7,	3725122.0,	212.3,	220.0,	0.0);
(437311.7,	3725113.6,	210.9,	220.0,	0.0);	(437315.7,	3725105.2,	209.9,	220.0,	0.0);
(437319.7,	3725096.8,	208.7,	220.0,	0.0);	(437323.7,	3725088.4,	207.2,	220.0,	0.0);
(437327.7,	3725080.0,	205.3,	220.0,	0.0);	(437331.7,	3725071.6,	203.2,	220.0,	0.0);
(437335.7,	3725063.2,	201.2,	220.0,	0.0);	(437339.7,	3725054.8,	199.2,	220.0,	0.0);
(437343.7,	3725046.4,	197.5,	220.0,	0.0);	(437309.0,	3725437.7,	210.9,	221.0,	0.0);
(437305.9,	3725429.1,	211.1,	221.0,	0.0);	(437302.8,	3725420.4,	211.3,	221.0,	0.0);
(437299.8,	3725411.8,	211.6,	221.0,	0.0);	(437296.7,	3725403.1,	212.0,	221.0,	0.0);
(437278.4,	3725351.2,	213.2,	221.0,	0.0);	(437275.4,	3725342.6,	214.0,	221.0,	0.0);
(437272.3,	3725333.9,	214.4,	221.0,	0.0);	(437269.3,	3725325.3,	214.6,	221.0,	0.0);
(437266.2,	3725316.6,	214.1,	221.0,	0.0);	(437263.1,	3725308.0,	213.9,	220.0,	0.0);
(437250.9,	3725273.4,	214.0,	214.0,	0.0);	(437239.6,	3725221.9,	214.5,	214.5,	0.0);
(437243.6,	3725213.6,	214.2,	214.2,	0.0);	(437247.5,	3725205.3,	213.9,	220.0,	0.0);
(437251.5,	3725197.1,	214.7,	220.0,	0.0);	(437255.4,	3725188.8,	215.9,	218.0,	0.0);
(437259.3,	3725180.5,	217.3,	218.0,	0.0);	(437263.3,	3725172.2,	218.0,	218.0,	0.0);
(437294.8,	3725106.0,	212.9,	220.0,	0.0);	(437298.8,	3725097.7,	212.0,	220.0,	0.0);
(437302.7,	3725089.4,	211.0,	220.0,	0.0);	(437306.7,	3725081.1,	209.6,	220.0,	0.0);
(437310.6,	3725072.9,	208.0,	220.0,	0.0);	(437314.6,	3725064.6,	206.2,	220.0,	0.0);
(437318.5,	3725056.3,	204.3,	220.0,	0.0);	(437322.5,	3725048.0,	202.8,	220.0,	0.0);
(437326.4,	3725039.8,	201.2,	220.0,	0.0);	(437330.3,	3725031.5,	199.6,	220.0,	0.0);
(437312.0,	3725446.4,	210.8,	221.0,	0.0);	(437318.3,	3725453.4,	211.2,	221.0,	0.0);
(437286.6,	3725457.6,	209.4,	221.0,	0.0);	(437283.5,	3725448.8,	209.5,	221.0,	0.0);
(437280.3,	3725440.0,	209.5,	221.0,	0.0);	(437277.2,	3725431.2,	209.5,	221.0,	0.0);
(437274.1,	3725422.4,	209.4,	221.0,	0.0);	(437271.0,	3725413.5,	209.2,	221.0,	0.0);
(437267.9,	3725404.8,	209.2,	221.0,	0.0);	(437227.5,	3725290.2,	209.5,	221.0,	0.0);
(437224.4,	3725281.4,	210.0,	220.0,	0.0);	(437221.3,	3725272.6,	210.4,	220.0,	0.0);
(437218.1,	3725263.8,	210.5,	220.0,	0.0);	(437209.7,	3725220.2,	212.1,	215.0,	0.0);
(437213.7,	3725211.7,	213.1,	215.0,	0.0);	(437217.8,	3725203.3,	213.8,	213.8,	0.0);
(437221.8,	3725194.9,	214.4,	214.4,	0.0);	(437225.8,	3725186.4,	215.1,	215.1,	0.0);
(437229.8,	3725178.0,	216.0,	216.0,	0.0);	(437278.0,	3725076.8,	215.1,	220.0,	0.0);
(437282.0,	3725068.4,	213.6,	220.0,	0.0);	(437286.1,	3725059.9,	212.1,	220.0,	0.0);
(437290.1,	3725051.5,	210.6,	220.0,	0.0);	(437294.1,	3725043.1,	209.1,	220.0,	0.0);
(437298.1,	3725034.6,	207.6,	220.0,	0.0);	(437302.1,	3725026.2,	206.1,	220.0,	0.0);
(437306.2,	3725017.8,	204.7,	220.0,	0.0);	(437310.2,	3725009.4,	203.3,	220.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437289.7,	3725466.4,	209.3,	221.0,	0.0);	(	437296.0,	3725473.4,	209.7,	220.0,	0.0);
(	437302.3,	3725480.5,	210.4,	220.0,	0.0);	(	437264.3,	3725477.8,	207.3,	221.0,	0.0);
(	437261.2,	3725469.1,	207.3,	221.0,	0.0);	(	437258.2,	3725460.5,	207.5,	221.0,	0.0);
(	437255.1,	3725451.8,	207.6,	221.0,	0.0);	(	437252.1,	3725443.2,	207.5,	221.0,	0.0);
(	437249.0,	3725434.6,	207.3,	221.0,	0.0);	(	437246.0,	3725425.9,	207.1,	221.0,	0.0);
(	437242.9,	3725417.3,	206.9,	221.0,	0.0);	(	437239.9,	3725408.6,	206.8,	221.0,	0.0);
(	437236.8,	3725400.0,	206.6,	221.0,	0.0);	(	437215.5,	3725339.4,	206.0,	221.0,	0.0);
(	437212.4,	3725330.8,	205.9,	221.0,	0.0);	(	437209.3,	3725322.1,	205.7,	221.0,	0.0);
(	437206.3,	3725313.5,	205.6,	221.0,	0.0);	(	437203.2,	3725304.8,	205.4,	221.0,	0.0);
(	437200.2,	3725296.2,	205.1,	221.0,	0.0);	(	437197.1,	3725287.5,	205.1,	221.0,	0.0);
(	437194.1,	3725278.9,	205.1,	221.0,	0.0);	(	437191.0,	3725270.2,	205.0,	221.0,	0.0);
(	437188.0,	3725261.6,	205.2,	220.0,	0.0);	(	437179.7,	3725218.7,	207.0,	220.0,	0.0);
(	437183.6,	3725210.5,	208.5,	220.0,	0.0);	(	437187.6,	3725202.2,	209.5,	220.0,	0.0);
(	437191.5,	3725193.9,	210.1,	220.0,	0.0);	(	437195.5,	3725185.6,	210.6,	220.0,	0.0);
(	437199.4,	3725177.3,	211.0,	220.0,	0.0);	(	437258.6,	3725053.2,	217.8,	217.8,	0.0);
(	437262.5,	3725044.9,	216.6,	218.0,	0.0);	(	437266.5,	3725036.6,	215.1,	218.0,	0.0);
(	437270.4,	3725028.3,	213.6,	220.0,	0.0);	(	437274.4,	3725020.0,	212.4,	220.0,	0.0);
(	437278.3,	3725011.8,	211.2,	220.0,	0.0);	(	437282.3,	3725003.5,	210.0,	220.0,	0.0);
(	437286.2,	3724995.2,	208.7,	220.0,	0.0);	(	437290.2,	3724986.9,	207.2,	220.0,	0.0);
(	437235.7,	3725480.1,	207.1,	240.0,	0.0);	(	437232.6,	3725471.3,	206.9,	240.0,	0.0);
(	437229.5,	3725462.6,	206.6,	239.0,	0.0);	(	437226.4,	3725453.8,	206.4,	221.0,	0.0);
(	437223.3,	3725445.0,	206.2,	221.0,	0.0);	(	437220.2,	3725436.2,	206.2,	221.0,	0.0);
(	437217.1,	3725427.4,	206.2,	221.0,	0.0);	(	437214.0,	3725418.7,	206.0,	221.0,	0.0);
(	437210.9,	3725409.9,	206.0,	221.0,	0.0);	(	437207.8,	3725401.1,	206.0,	221.0,	0.0);
(	437189.2,	3725348.4,	205.4,	221.0,	0.0);	(	437186.1,	3725339.6,	205.0,	221.0,	0.0);
(	437183.0,	3725330.8,	204.6,	221.0,	0.0);	(	437164.4,	3725278.1,	202.8,	221.0,	0.0);
(	437161.3,	3725269.3,	202.5,	221.0,	0.0);	(	437158.2,	3725260.6,	202.4,	220.0,	0.0);
(	437149.8,	3725217.0,	202.9,	220.0,	0.0);	(	437153.8,	3725208.6,	203.8,	220.0,	0.0);
(	437157.8,	3725200.2,	204.4,	220.0,	0.0);	(	437161.8,	3725191.8,	205.0,	220.0,	0.0);
(	437165.8,	3725183.4,	205.5,	220.0,	0.0);	(	437169.8,	3725175.0,	206.1,	220.0,	0.0);
(	437209.9,	3725090.9,	216.1,	220.0,	0.0);	(	437242.0,	3725023.6,	216.6,	216.6,	0.0);
(	437246.0,	3725015.2,	216.3,	216.3,	0.0);	(	437250.0,	3725006.8,	215.9,	215.9,	0.0);
(	437254.0,	3724998.4,	215.4,	215.4,	0.0);	(	437258.0,	3724990.0,	214.7,	214.7,	0.0);
(	437262.0,	3724981.6,	213.5,	215.0,	0.0);	(	437266.0,	3724973.2,	212.0,	217.0,	0.0);
(	437270.0,	3724964.8,	210.4,	217.0,	0.0);	(	437203.8,	3725473.1,	207.8,	242.0,	0.0);
(	437200.7,	3725464.2,	207.6,	240.0,	0.0);	(	437197.6,	3725455.3,	207.4,	239.0,	0.0);
(	437194.4,	3725446.4,	207.2,	207.2,	0.0);	(	437191.3,	3725437.5,	207.0,	207.0,	0.0);
(	437188.1,	3725428.6,	206.8,	206.8,	0.0);	(	437185.0,	3725419.7,	206.6,	206.6,	0.0);
(	437181.8,	3725410.8,	206.5,	206.5,	0.0);	(	437178.7,	3725401.9,	206.4,	220.0,	0.0);
(	437175.6,	3725393.0,	206.2,	220.0,	0.0);	(	437153.5,	3725330.7,	204.6,	220.0,	0.0);
(	437150.4,	3725321.8,	204.4,	220.0,	0.0);	(	437147.3,	3725312.9,	204.0,	220.0,	0.0);
(	437144.1,	3725304.0,	203.5,	220.0,	0.0);	(	437141.0,	3725295.1,	202.9,	220.0,	0.0);
(	437137.8,	3725286.2,	202.4,	220.0,	0.0);	(	437134.7,	3725277.3,	202.0,	220.0,	0.0);
(	437131.5,	3725268.4,	201.7,	220.0,	0.0);	(	437128.4,	3725259.5,	201.7,	220.0,	0.0);
(	437119.0,	3725232.8,	201.7,	220.0,	0.0);	(	437119.9,	3725215.3,	201.4,	220.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437124.0,	3725206.8,	201.5,	220.0,	0.0);	(437128.0,	3725198.3,	201.5,	220.0,	0.0);
(	437132.1,	3725189.8,	201.6,	220.0,	0.0);	(437136.1,	3725181.2,	201.8,	220.0,	0.0);
(	437164.6,	3725121.6,	206.9,	220.0,	0.0);	(437168.6,	3725113.1,	207.6,	220.0,	0.0);
(	437172.7,	3725104.5,	208.0,	220.0,	0.0);	(437176.8,	3725096.0,	208.5,	220.0,	0.0);
(	437180.8,	3725087.5,	209.1,	220.0,	0.0);	(437184.9,	3725079.0,	209.8,	220.0,	0.0);
(	437188.9,	3725070.5,	210.6,	220.0,	0.0);	(437193.0,	3725061.9,	211.4,	220.0,	0.0);
(	437225.5,	3724993.8,	216.1,	217.0,	0.0);	(437229.5,	3724985.2,	216.6,	216.6,	0.0);
(	437233.6,	3724976.7,	216.0,	216.0,	0.0);	(437237.7,	3724968.2,	215.3,	215.3,	0.0);
(	437241.7,	3724959.7,	214.3,	216.0,	0.0);	(437245.8,	3724951.1,	213.1,	216.0,	0.0);
(	437249.8,	3724942.6,	211.9,	216.0,	0.0);	(437175.6,	3725476.4,	208.8,	242.0,	0.0);
(	437172.5,	3725467.7,	208.6,	242.0,	0.0);	(437169.4,	3725458.9,	208.4,	240.0,	0.0);
(	437166.3,	3725450.2,	208.3,	208.3,	0.0);	(437163.2,	3725441.4,	208.0,	208.0,	0.0);
(	437160.1,	3725432.6,	207.7,	207.7,	0.0);	(437157.1,	3725423.9,	207.4,	207.4,	0.0);
(	437154.0,	3725415.1,	207.0,	207.0,	0.0);	(437150.9,	3725406.3,	206.7,	206.7,	0.0);
(	437147.8,	3725397.6,	206.4,	206.4,	0.0);	(437135.4,	3725362.5,	205.4,	205.4,	0.0);
(	437132.3,	3725353.8,	205.2,	205.2,	0.0);	(437129.2,	3725345.0,	205.4,	205.4,	0.0);
(	437126.1,	3725336.2,	205.5,	205.5,	0.0);	(437123.0,	3725327.5,	205.6,	205.6,	0.0);
(	437119.9,	3725318.7,	205.2,	205.2,	0.0);	(437116.8,	3725309.9,	204.7,	204.7,	0.0);
(	437113.7,	3725301.2,	204.2,	204.2,	0.0);	(437110.6,	3725292.4,	203.8,	203.8,	0.0);
(	437107.5,	3725283.6,	203.7,	203.7,	0.0);	(437101.3,	3725266.1,	203.6,	203.6,	0.0);
(	437089.0,	3725231.0,	203.1,	203.1,	0.0);	(437089.9,	3725213.9,	202.1,	218.0,	0.0);
(	437093.9,	3725205.5,	201.5,	220.0,	0.0);	(437097.9,	3725197.1,	201.1,	220.0,	0.0);
(	437101.9,	3725188.7,	200.7,	220.0,	0.0);	(437105.9,	3725180.3,	200.3,	222.0,	0.0);
(	437129.9,	3725130.0,	201.7,	220.0,	0.0);	(437133.8,	3725121.6,	201.8,	220.0,	0.0);
(	437137.8,	3725113.2,	201.7,	220.0,	0.0);	(437141.8,	3725104.8,	201.7,	220.0,	0.0);
(	437145.8,	3725096.4,	201.9,	220.0,	0.0);	(437149.8,	3725088.0,	202.2,	220.0,	0.0);
(	437153.8,	3725079.6,	202.6,	220.0,	0.0);	(437157.8,	3725071.2,	203.2,	220.0,	0.0);
(	437161.8,	3725062.9,	203.7,	220.0,	0.0);	(437165.8,	3725054.5,	204.2,	220.0,	0.0);
(	437169.8,	3725046.1,	204.4,	220.0,	0.0);	(437173.8,	3725037.7,	205.0,	220.0,	0.0);
(	437177.8,	3725029.3,	205.7,	220.0,	0.0);	(437213.8,	3724953.8,	213.2,	216.0,	0.0);
(	437217.8,	3724945.4,	213.5,	216.0,	0.0);	(437221.8,	3724937.0,	213.5,	213.5,	0.0);
(	437225.8,	3724928.6,	213.0,	214.0,	0.0);	(437229.8,	3724920.2,	212.4,	214.0,	0.0);
(	437143.6,	3725469.0,	210.3,	240.0,	0.0);	(437140.5,	3725460.2,	209.9,	240.0,	0.0);
(	437137.3,	3725451.3,	209.4,	209.4,	0.0);	(437134.2,	3725442.4,	208.9,	208.9,	0.0);
(	437131.1,	3725433.6,	208.5,	208.5,	0.0);	(437128.0,	3725424.7,	208.0,	208.0,	0.0);
(	437124.8,	3725415.8,	207.5,	207.5,	0.0);	(437121.7,	3725407.0,	207.3,	207.3,	0.0);
(	437109.2,	3725371.5,	206.5,	206.5,	0.0);	(437106.0,	3725362.6,	206.4,	206.4,	0.0);
(	437102.9,	3725353.7,	206.4,	206.4,	0.0);	(437081.0,	3725291.7,	205.8,	205.8,	0.0);
(	437077.8,	3725282.8,	205.7,	205.7,	0.0);	(437074.7,	3725273.9,	205.5,	205.5,	0.0);
(	437071.6,	3725265.0,	205.2,	205.2,	0.0);	(437062.2,	3725238.4,	204.7,	204.7,	0.0);
(	437059.0,	3725229.6,	204.4,	204.4,	0.0);	(437060.0,	3725212.2,	203.6,	203.6,	0.0);
(	437064.0,	3725203.7,	203.0,	203.0,	0.0);	(437068.0,	3725195.2,	202.6,	212.0,	0.0);
(	437072.1,	3725186.7,	202.0,	228.0,	0.0);	(437076.1,	3725178.2,	201.4,	228.0,	0.0);
(	437104.5,	3725118.8,	200.3,	228.0,	0.0);	(437108.5,	3725110.3,	199.9,	228.0,	0.0);
(	437112.6,	3725101.8,	199.7,	228.0,	0.0);	(437116.6,	3725093.3,	199.5,	228.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437120.7,	3725084.8,	199.3,	228.0,	0.0);	(	437124.7,	3725076.4,	199.2,	228.0,	0.0);
(	437128.8,	3725067.9,	199.0,	228.0,	0.0);	(	437132.8,	3725059.4,	198.9,	228.0,	0.0);
(	437136.8,	3725050.9,	198.8,	228.0,	0.0);	(	437140.9,	3725042.4,	198.8,	228.0,	0.0);
(	437144.9,	3725033.9,	199.2,	228.0,	0.0);	(	437149.0,	3725025.4,	199.6,	228.0,	0.0);
(	437153.0,	3725016.9,	200.1,	227.0,	0.0);	(	437157.1,	3725008.4,	200.6,	226.0,	0.0);
(	437161.1,	3724999.9,	201.0,	226.0,	0.0);	(	437197.5,	3724923.5,	210.5,	216.0,	0.0);
(	437201.6,	3724915.0,	210.7,	210.7,	0.0);	(	437205.6,	3724906.5,	210.2,	210.2,	0.0);
(	437209.7,	3724898.0,	210.1,	210.1,	0.0);	(	437115.6,	3725472.9,	210.9,	242.0,	0.0);
(	437112.5,	3725464.1,	210.6,	240.0,	0.0);	(	437109.4,	3725455.4,	210.3,	240.0,	0.0);
(	437106.3,	3725446.6,	210.0,	210.0,	0.0);	(	437103.2,	3725437.9,	209.5,	209.5,	0.0);
(	437100.1,	3725429.1,	209.1,	209.1,	0.0);	(	437097.0,	3725420.4,	208.6,	208.6,	0.0);
(	437093.9,	3725411.6,	208.4,	208.4,	0.0);	(	437081.6,	3725376.6,	207.9,	207.9,	0.0);
(	437078.5,	3725367.9,	208.1,	208.1,	0.0);	(	437075.4,	3725359.1,	208.2,	208.2,	0.0);
(	437072.3,	3725350.4,	208.1,	208.1,	0.0);	(	437069.2,	3725341.6,	207.9,	207.9,	0.0);
(	437066.1,	3725332.9,	207.7,	207.7,	0.0);	(	437063.0,	3725324.1,	207.5,	207.5,	0.0);
(	437060.0,	3725315.4,	207.5,	207.5,	0.0);	(	437056.9,	3725306.6,	207.6,	207.6,	0.0);
(	437053.8,	3725297.9,	207.7,	207.7,	0.0);	(	437050.7,	3725289.1,	207.5,	207.5,	0.0);
(	437047.6,	3725280.4,	207.0,	207.0,	0.0);	(	437044.5,	3725271.6,	206.5,	206.5,	0.0);
(	437041.4,	3725262.9,	206.2,	206.2,	0.0);	(	437032.1,	3725236.6,	206.2,	206.2,	0.0);
(	437029.0,	3725227.9,	206.1,	206.1,	0.0);	(	437030.0,	3725210.8,	205.5,	205.5,	0.0);
(	437033.9,	3725202.4,	205.0,	205.0,	0.0);	(	437037.9,	3725194.0,	204.6,	204.6,	0.0);
(	437041.9,	3725185.6,	204.3,	228.0,	0.0);	(	437045.9,	3725177.2,	204.1,	228.0,	0.0);
(	437085.8,	3725093.5,	202.6,	228.0,	0.0);	(	437089.8,	3725085.1,	202.3,	228.0,	0.0);
(	437093.8,	3725076.7,	201.5,	228.0,	0.0);	(	437097.8,	3725068.3,	200.6,	228.0,	0.0);
(	437101.8,	3725060.0,	199.7,	228.0,	0.0);	(	437105.8,	3725051.6,	198.7,	228.0,	0.0);
(	437109.8,	3725043.2,	198.0,	228.0,	0.0);	(	437113.8,	3725034.8,	198.0,	228.0,	0.0);
(	437117.8,	3725026.4,	198.0,	228.0,	0.0);	(	437121.8,	3725018.1,	197.7,	228.0,	0.0);
(	437125.8,	3725009.7,	197.5,	228.0,	0.0);	(	437129.8,	3725001.3,	197.5,	228.0,	0.0);
(	437133.7,	3724992.9,	197.6,	228.0,	0.0);	(	437137.7,	3724984.6,	197.5,	228.0,	0.0);
(	437141.7,	3724976.2,	197.7,	228.0,	0.0);	(	437145.7,	3724967.8,	198.1,	228.0,	0.0);
(	437177.7,	3724900.8,	204.2,	217.0,	0.0);	(	437181.6,	3724892.4,	205.2,	217.0,	0.0);
(	437185.6,	3724884.0,	206.3,	216.0,	0.0);	(	437189.6,	3724875.6,	207.3,	210.0,	0.0);
(	437086.6,	3725474.0,	211.6,	240.0,	0.0);	(	437083.5,	3725465.2,	211.2,	240.0,	0.0);
(	437080.3,	3725456.3,	210.7,	240.0,	0.0);	(	437077.2,	3725447.5,	210.2,	210.2,	0.0);
(	437074.1,	3725438.6,	210.1,	210.1,	0.0);	(	437071.0,	3725429.8,	210.0,	210.0,	0.0);
(	437067.8,	3725421.0,	210.0,	210.0,	0.0);	(	437064.7,	3725412.1,	209.9,	209.9,	0.0);
(	437055.3,	3725385.6,	209.6,	209.6,	0.0);	(	437052.2,	3725376.7,	209.5,	209.5,	0.0);
(	437049.1,	3725367.9,	209.4,	209.4,	0.0);	(	437046.0,	3725359.0,	209.2,	209.2,	0.0);
(	437042.8,	3725350.2,	209.0,	209.0,	0.0);	(	437039.7,	3725341.4,	208.8,	208.8,	0.0);
(	437036.6,	3725332.5,	208.7,	208.7,	0.0);	(	437024.1,	3725297.1,	208.0,	208.0,	0.0);
(	437021.0,	3725288.3,	207.7,	207.7,	0.0);	(	437017.9,	3725279.5,	207.6,	207.6,	0.0);
(	437014.7,	3725270.6,	207.5,	207.5,	0.0);	(	437011.6,	3725261.8,	207.5,	213.0,	0.0);
(	437002.2,	3725235.2,	208.1,	208.1,	0.0);	(	436999.1,	3725226.4,	207.8,	207.8,	0.0);
(	437000.0,	3725209.1,	206.8,	206.8,	0.0);	(	437004.1,	3725200.6,	206.3,	206.3,	0.0);
(	437008.1,	3725192.1,	205.9,	228.0,	0.0);	(	437012.1,	3725183.7,	205.5,	228.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437048.5,	3725107.5,	209.0,	226.0,	0.0);	(	437052.5,	3725099.0,	209.1,	214.0,	0.0);
(	437056.5,	3725090.5,	209.0,	226.0,	0.0);	(	437060.6,	3725082.1,	208.3,	226.0,	0.0);
(	437064.6,	3725073.6,	207.1,	228.0,	0.0);	(	437068.6,	3725065.1,	206.1,	228.0,	0.0);
(	437072.7,	3725056.7,	205.2,	228.0,	0.0);	(	437076.7,	3725048.2,	203.7,	228.0,	0.0);
(	437080.7,	3725039.7,	202.2,	228.0,	0.0);	(	437084.8,	3725031.3,	200.9,	228.0,	0.0);
(	437088.8,	3725022.8,	199.9,	228.0,	0.0);	(	437092.8,	3725014.3,	199.1,	228.0,	0.0);
(	437096.9,	3725005.9,	198.2,	228.0,	0.0);	(	437100.9,	3724997.4,	197.2,	228.0,	0.0);
(	437104.9,	3724988.9,	196.9,	228.0,	0.0);	(	437109.0,	3724980.5,	196.6,	228.0,	0.0);
(	437113.0,	3724972.0,	196.9,	228.0,	0.0);	(	437117.0,	3724963.5,	196.9,	228.0,	0.0);
(	437121.1,	3724955.1,	196.8,	228.0,	0.0);	(	437125.1,	3724946.6,	196.7,	228.0,	0.0);
(	437129.1,	3724938.1,	196.7,	228.0,	0.0);	(	437161.4,	3724870.4,	200.1,	226.0,	0.0);
(	437165.5,	3724861.9,	201.0,	226.0,	0.0);	(	437169.5,	3724853.5,	202.0,	216.0,	0.0);
(	437003.1,	3725320.8,	209.9,	209.9,	0.0);	(	437000.0,	3725312.1,	209.8,	209.8,	0.0);
(	436996.9,	3725303.4,	209.8,	209.8,	0.0);	(	436993.8,	3725294.6,	209.7,	209.7,	0.0);
(	436990.7,	3725285.9,	209.6,	209.6,	0.0);	(	436987.6,	3725277.1,	209.6,	213.0,	0.0);
(	436984.6,	3725268.4,	209.7,	213.0,	0.0);	(	436972.2,	3725233.4,	209.9,	209.9,	0.0);
(	436969.1,	3725224.7,	209.3,	214.0,	0.0);	(	436970.0,	3725207.6,	207.8,	228.0,	0.0);
(	436974.0,	3725199.2,	207.3,	228.0,	0.0);	(	436978.0,	3725190.9,	206.9,	228.0,	0.0);
(	436982.0,	3725182.5,	206.5,	228.0,	0.0);	(	437009.9,	3725123.9,	211.0,	226.0,	0.0);
(	437013.9,	3725115.6,	212.0,	212.0,	0.0);	(	437017.9,	3725107.2,	212.6,	212.6,	0.0);
(	437021.9,	3725098.8,	212.9,	212.9,	0.0);	(	437025.8,	3725090.5,	213.1,	214.0,	0.0);
(	437029.8,	3725082.1,	212.7,	214.0,	0.0);	(	437033.8,	3725073.7,	211.8,	226.0,	0.0);
(	437037.8,	3725065.4,	210.8,	226.0,	0.0);	(	437041.8,	3725057.0,	209.8,	228.0,	0.0);
(	437045.8,	3725048.6,	208.4,	228.0,	0.0);	(	437049.8,	3725040.3,	206.9,	228.0,	0.0);
(	437053.8,	3725031.9,	205.2,	228.0,	0.0);	(	437057.7,	3725023.5,	204.0,	228.0,	0.0);
(	437061.7,	3725015.2,	203.5,	228.0,	0.0);	(	437065.7,	3725006.8,	202.8,	228.0,	0.0);
(	437069.7,	3724998.4,	202.0,	228.0,	0.0);	(	437073.7,	3724990.1,	201.5,	228.0,	0.0);
(	437077.7,	3724981.7,	200.9,	228.0,	0.0);	(	437081.7,	3724973.3,	200.5,	228.0,	0.0);
(	437085.6,	3724965.0,	200.2,	228.0,	0.0);	(	437089.6,	3724956.6,	199.8,	228.0,	0.0);
(	437093.6,	3724948.2,	199.2,	228.0,	0.0);	(	437097.6,	3724939.9,	198.4,	228.0,	0.0);
(	437101.6,	3724931.5,	197.6,	228.0,	0.0);	(	437105.6,	3724923.1,	196.9,	228.0,	0.0);
(	437109.6,	3724914.8,	196.0,	228.0,	0.0);	(	437137.5,	3724856.2,	195.0,	228.0,	0.0);
(	437141.5,	3724847.8,	195.4,	228.0,	0.0);	(	437145.5,	3724839.5,	196.2,	228.0,	0.0);
(	437149.5,	3724831.1,	197.0,	227.0,	0.0);	(	437032.7,	3725487.9,	212.7,	242.0,	0.0);
(	437029.6,	3725479.1,	212.7,	240.0,	0.0);	(	437026.5,	3725470.3,	212.8,	220.0,	0.0);
(	437023.3,	3725461.5,	212.9,	220.0,	0.0);	(	437020.2,	3725452.6,	213.0,	220.0,	0.0);
(	437017.1,	3725443.8,	213.1,	220.0,	0.0);	(	437014.0,	3725435.0,	213.0,	220.0,	0.0);
(	437010.9,	3725426.2,	212.9,	212.9,	0.0);	(	436998.4,	3725390.9,	212.6,	212.6,	0.0);
(	436995.3,	3725382.0,	212.5,	212.5,	0.0);	(	436992.2,	3725373.2,	212.4,	212.4,	0.0);
(	436989.0,	3725364.4,	212.3,	212.3,	0.0);	(	436985.9,	3725355.6,	212.2,	212.2,	0.0);
(	436982.8,	3725346.8,	212.1,	212.1,	0.0);	(	436979.7,	3725337.9,	211.9,	211.9,	0.0);
(	436976.6,	3725329.1,	211.6,	211.6,	0.0);	(	436973.5,	3725320.3,	211.5,	211.5,	0.0);
(	436970.4,	3725311.5,	211.5,	211.5,	0.0);	(	436967.2,	3725302.6,	211.6,	211.6,	0.0);
(	436964.1,	3725293.8,	211.8,	211.8,	0.0);	(	436961.0,	3725285.0,	212.2,	212.2,	0.0);
(	436957.9,	3725276.2,	212.8,	212.8,	0.0);	(	436954.8,	3725267.3,	213.3,	213.3,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436945.4,	3725240.9,	212.7,	212.7,	0.0);	(436942.3,	3725232.0,	212.3,	214.0,	0.0);
(436939.2,	3725223.2,	211.8,	220.0,	0.0);	(436940.1,	3725205.9,	209.9,	228.0,	0.0);
(436944.1,	3725197.5,	209.3,	228.0,	0.0);	(436948.2,	3725189.0,	208.6,	228.0,	0.0);
(436952.2,	3725180.6,	207.9,	228.0,	0.0);	(436988.4,	3725104.6,	213.2,	228.0,	0.0);
(436992.4,	3725096.1,	213.9,	226.0,	0.0);	(436996.5,	3725087.7,	214.6,	214.6,	0.0);
(437000.5,	3725079.2,	214.6,	214.6,	0.0);	(437004.5,	3725070.8,	214.2,	226.0,	0.0);
(437008.5,	3725062.3,	213.7,	226.0,	0.0);	(437012.6,	3725053.9,	212.6,	228.0,	0.0);
(437016.6,	3725045.4,	211.0,	228.0,	0.0);	(437020.6,	3725037.0,	209.4,	228.0,	0.0);
(437024.6,	3725028.5,	207.8,	228.0,	0.0);	(437028.7,	3725020.1,	207.3,	228.0,	0.0);
(437032.7,	3725011.6,	207.2,	228.0,	0.0);	(437036.7,	3725003.2,	207.1,	228.0,	0.0);
(437040.8,	3724994.8,	207.1,	228.0,	0.0);	(437044.8,	3724986.3,	207.7,	228.0,	0.0);
(437048.8,	3724977.9,	208.0,	228.0,	0.0);	(437052.8,	3724969.4,	207.8,	228.0,	0.0);
(437056.8,	3724961.0,	207.2,	228.0,	0.0);	(437060.9,	3724952.5,	206.4,	228.0,	0.0);
(437064.9,	3724944.1,	205.7,	228.0,	0.0);	(437068.9,	3724935.6,	204.8,	228.0,	0.0);
(437073.0,	3724927.2,	203.8,	228.0,	0.0);	(437077.0,	3724918.7,	203.1,	228.0,	0.0);
(437081.0,	3724910.3,	202.5,	228.0,	0.0);	(437085.0,	3724901.8,	201.2,	228.0,	0.0);
(437089.1,	3724893.4,	199.5,	228.0,	0.0);	(437093.1,	3724884.9,	198.0,	228.0,	0.0);
(437117.2,	3724834.2,	193.3,	228.0,	0.0);	(437121.3,	3724825.8,	192.9,	228.0,	0.0);
(437125.3,	3724817.3,	192.7,	228.0,	0.0);	(437129.3,	3724808.9,	193.0,	228.0,	0.0);
(436993.2,	3725487.2,	215.6,	220.0,	0.0);	(436990.1,	3725478.4,	216.0,	220.0,	0.0);
(436987.0,	3725469.5,	216.1,	220.0,	0.0);	(436983.8,	3725460.6,	216.2,	220.0,	0.0);
(436980.7,	3725451.8,	216.1,	220.0,	0.0);	(436977.6,	3725442.9,	216.1,	220.0,	0.0);
(436974.4,	3725434.0,	215.9,	218.0,	0.0);	(436965.0,	3725407.4,	215.4,	219.0,	0.0);
(436961.9,	3725398.5,	215.3,	219.0,	0.0);	(436946.2,	3725354.2,	214.4,	214.4,	0.0);
(436943.1,	3725345.3,	214.0,	214.0,	0.0);	(436940.0,	3725336.5,	213.8,	213.8,	0.0);
(436936.8,	3725327.6,	213.6,	213.6,	0.0);	(436933.7,	3725318.7,	213.7,	213.7,	0.0);
(436930.6,	3725309.8,	213.9,	213.9,	0.0);	(436927.5,	3725301.0,	214.2,	214.2,	0.0);
(436924.3,	3725292.1,	214.6,	214.6,	0.0);	(436921.2,	3725283.2,	215.2,	215.2,	0.0);
(436918.1,	3725274.4,	215.6,	215.6,	0.0);	(436914.9,	3725265.5,	216.0,	216.0,	0.0);
(436905.5,	3725238.9,	215.0,	220.0,	0.0);	(436902.4,	3725230.0,	214.5,	220.0,	0.0);
(436899.3,	3725221.2,	214.0,	220.0,	0.0);	(436900.2,	3725203.8,	212.9,	220.0,	0.0);
(436904.2,	3725195.3,	212.3,	228.0,	0.0);	(436908.3,	3725186.8,	211.8,	228.0,	0.0);
(436912.3,	3725178.3,	211.2,	228.0,	0.0);	(436948.7,	3725101.9,	215.0,	228.0,	0.0);
(436952.8,	3725093.4,	215.3,	228.0,	0.0);	(436956.8,	3725084.9,	215.5,	228.0,	0.0);
(436960.9,	3725076.4,	216.2,	228.0,	0.0);	(436964.9,	3725067.9,	217.1,	228.0,	0.0);
(436969.0,	3725059.4,	217.7,	226.0,	0.0);	(436973.0,	3725051.0,	217.2,	228.0,	0.0);
(436977.1,	3725042.5,	215.8,	228.0,	0.0);	(436981.1,	3725034.0,	214.3,	228.0,	0.0);
(436985.2,	3725025.5,	212.8,	228.0,	0.0);	(436989.2,	3725017.0,	212.4,	228.0,	0.0);
(436993.2,	3725008.5,	212.1,	228.0,	0.0);	(436997.3,	3725000.0,	211.8,	228.0,	0.0);
(437001.3,	3724991.5,	212.4,	228.0,	0.0);	(437005.4,	3724983.0,	213.7,	228.0,	0.0);
(437009.4,	3724974.5,	215.2,	227.0,	0.0);	(437013.5,	3724966.0,	216.6,	226.0,	0.0);
(437017.5,	3724957.6,	216.2,	226.0,	0.0);	(437021.6,	3724949.1,	215.6,	226.0,	0.0);
(437025.6,	3724940.6,	214.8,	226.0,	0.0);	(437029.7,	3724932.1,	213.1,	227.0,	0.0);
(437033.7,	3724923.6,	210.6,	227.0,	0.0);	(437037.8,	3724915.1,	208.6,	228.0,	0.0);
(437041.8,	3724906.6,	207.1,	228.0,	0.0);	(437045.8,	3724898.1,	205.1,	228.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437049.9,	3724889.6,	203.1,	228.0,	0.0);	(437053.9,	3724881.1,	201.0,	228.0,	0.0);
(	437058.0,	3724872.6,	199.4,	228.0,	0.0);	(437062.0,	3724864.1,	198.5,	228.0,	0.0);
(	437066.1,	3724855.7,	197.3,	228.0,	0.0);	(437070.1,	3724847.2,	196.1,	228.0,	0.0);
(	437090.4,	3724804.7,	193.2,	228.0,	0.0);	(437094.4,	3724796.2,	192.9,	228.0,	0.0);
(	437098.5,	3724787.7,	192.5,	228.0,	0.0);	(437102.5,	3724779.2,	191.7,	228.0,	0.0);
(	436956.9,	3725495.3,	220.1,	220.1,	0.0);	(436953.7,	3725486.4,	220.2,	220.2,	0.0);
(	436950.6,	3725477.5,	220.3,	220.3,	0.0);	(436947.4,	3725468.6,	220.0,	220.0,	0.0);
(	436944.3,	3725459.6,	219.7,	219.7,	0.0);	(436941.1,	3725450.7,	219.4,	219.4,	0.0);
(	436938.0,	3725441.8,	219.3,	219.3,	0.0);	(436925.4,	3725406.2,	218.5,	218.5,	0.0);
(	436922.3,	3725397.3,	218.0,	218.0,	0.0);	(436919.1,	3725388.4,	217.5,	217.5,	0.0);
(	436916.0,	3725379.5,	217.1,	217.1,	0.0);	(436912.8,	3725370.6,	216.8,	216.8,	0.0);
(	436887.6,	3725299.3,	217.8,	217.8,	0.0);	(436884.5,	3725290.4,	218.1,	218.1,	0.0);
(	436881.4,	3725281.5,	218.5,	218.5,	0.0);	(436878.2,	3725272.5,	219.0,	219.0,	0.0);
(	436865.6,	3725236.9,	217.3,	217.3,	0.0);	(436862.5,	3725228.0,	216.3,	219.0,	0.0);
(	436859.3,	3725219.1,	215.2,	219.0,	0.0);	(436860.3,	3725201.7,	213.2,	228.0,	0.0);
(	436864.3,	3725193.1,	212.8,	228.0,	0.0);	(436868.4,	3725184.6,	212.4,	228.0,	0.0);
(	436900.9,	3725116.4,	216.9,	228.0,	0.0);	(436905.0,	3725107.8,	217.8,	228.0,	0.0);
(	436909.0,	3725099.3,	218.6,	228.0,	0.0);	(436913.1,	3725090.8,	219.5,	228.0,	0.0);
(	436917.2,	3725082.2,	220.2,	228.0,	0.0);	(436921.2,	3725073.7,	220.8,	228.0,	0.0);
(	436925.3,	3725065.2,	221.4,	221.4,	0.0);	(436929.4,	3725056.6,	222.0,	222.0,	0.0);
(	436933.4,	3725048.1,	221.6,	226.0,	0.0);	(436937.5,	3725039.6,	220.9,	228.0,	0.0);
(	436941.5,	3725031.1,	220.1,	228.0,	0.0);	(436945.6,	3725022.5,	219.0,	228.0,	0.0);
(	436949.7,	3725014.0,	217.7,	228.0,	0.0);	(436953.7,	3725005.5,	216.5,	228.0,	0.0);
(	436957.8,	3724996.9,	215.3,	228.0,	0.0);	(436961.9,	3724988.4,	216.2,	228.0,	0.0);
(	436965.9,	3724979.9,	217.4,	228.0,	0.0);	(436970.0,	3724971.4,	218.7,	227.0,	0.0);
(	436974.1,	3724962.8,	219.6,	226.0,	0.0);	(436978.1,	3724954.3,	219.8,	226.0,	0.0);
(	436982.2,	3724945.8,	219.9,	226.0,	0.0);	(436986.3,	3724937.2,	220.1,	226.0,	0.0);
(	436990.3,	3724928.7,	217.0,	227.0,	0.0);	(436994.4,	3724920.2,	213.2,	228.0,	0.0);
(	436998.5,	3724911.6,	209.8,	228.0,	0.0);	(437002.5,	3724903.1,	206.9,	228.0,	0.0);
(	437006.6,	3724894.6,	204.7,	228.0,	0.0);	(437010.6,	3724886.1,	202.6,	228.0,	0.0);
(	437014.7,	3724877.5,	200.5,	228.0,	0.0);	(437018.8,	3724869.0,	200.0,	228.0,	0.0);
(	437022.8,	3724860.5,	199.9,	228.0,	0.0);	(437026.9,	3724851.9,	199.6,	228.0,	0.0);
(	437059.4,	3724783.7,	199.5,	227.0,	0.0);	(437063.5,	3724775.2,	198.0,	228.0,	0.0);
(	437067.6,	3724766.6,	196.5,	228.0,	0.0);	(437071.6,	3724758.1,	195.0,	228.0,	0.0);
(	437075.7,	3724749.6,	193.5,	228.0,	0.0);	(436918.7,	3725498.3,	221.7,	221.7,	0.0);
(	436915.6,	3725489.5,	221.9,	221.9,	0.0);	(436912.5,	3725480.7,	222.1,	222.1,	0.0);
(	436909.4,	3725471.9,	222.2,	222.2,	0.0);	(436906.3,	3725463.1,	222.1,	222.1,	0.0);
(	436903.2,	3725454.3,	222.0,	222.0,	0.0);	(436900.1,	3725445.5,	221.9,	221.9,	0.0);
(	436893.9,	3725427.9,	221.2,	221.2,	0.0);	(436890.8,	3725419.1,	220.8,	220.8,	0.0);
(	436887.7,	3725410.3,	220.4,	220.4,	0.0);	(436884.6,	3725401.5,	220.0,	220.0,	0.0);
(	436881.5,	3725392.8,	219.7,	219.7,	0.0);	(436878.4,	3725384.0,	219.3,	219.3,	0.0);
(	436875.2,	3725375.2,	219.3,	223.0,	0.0);	(436872.1,	3725366.4,	219.2,	223.0,	0.0);
(	436869.0,	3725357.6,	219.1,	219.1,	0.0);	(436865.9,	3725348.8,	219.2,	219.2,	0.0);
(	436862.8,	3725340.0,	219.3,	219.3,	0.0);	(436859.7,	3725331.2,	219.4,	219.4,	0.0);
(	436856.6,	3725322.4,	219.4,	219.4,	0.0);	(436853.5,	3725313.6,	219.5,	219.5,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	436850.4,	3725304.8,	219.6,	219.6,	0.0);	(	436847.3,	3725296.0,	219.7,	219.7,	0.0);
(	436844.2,	3725287.2,	219.9,	219.9,	0.0);	(	436841.1,	3725278.4,	220.0,	220.0,	0.0);
(	436838.0,	3725269.6,	220.1,	220.1,	0.0);	(	436828.7,	3725243.3,	219.6,	219.6,	0.0);
(	436825.6,	3725234.5,	219.3,	219.3,	0.0);	(	436822.5,	3725225.7,	218.4,	218.4,	0.0);
(	436819.3,	3725216.9,	217.8,	220.0,	0.0);	(	436820.3,	3725199.7,	216.7,	218.0,	0.0);
(	436824.3,	3725191.2,	216.3,	224.0,	0.0);	(	436828.3,	3725182.8,	215.8,	226.0,	0.0);
(	436876.4,	3725081.8,	223.0,	228.0,	0.0);	(	436880.4,	3725073.4,	223.6,	228.0,	0.0);
(	436884.5,	3725065.0,	224.1,	226.0,	0.0);	(	436888.5,	3725056.5,	224.7,	224.7,	0.0);
(	436892.5,	3725048.1,	225.0,	225.0,	0.0);	(	437032.9,	3724753.4,	204.2,	227.0,	0.0);
(	437036.9,	3724745.0,	202.5,	227.0,	0.0);	(	437040.9,	3724736.6,	200.8,	227.0,	0.0);
(	437044.9,	3724728.2,	199.2,	227.0,	0.0);	(	437049.0,	3724719.8,	197.3,	227.0,	0.0);
(	436848.0,	3725409.1,	223.1,	223.1,	0.0);	(	436844.9,	3725400.3,	223.0,	223.0,	0.0);
(	436841.8,	3725391.5,	223.0,	223.0,	0.0);	(	436838.7,	3725382.6,	222.8,	222.8,	0.0);
(	436835.6,	3725373.8,	222.4,	222.4,	0.0);	(	436832.5,	3725365.0,	222.0,	222.0,	0.0);
(	436829.3,	3725356.1,	221.7,	221.7,	0.0);	(	436826.2,	3725347.3,	221.6,	221.6,	0.0);
(	436823.1,	3725338.5,	221.5,	221.5,	0.0);	(	436820.0,	3725329.6,	221.4,	221.4,	0.0);
(	436816.8,	3725320.8,	221.5,	221.5,	0.0);	(	436813.7,	3725312.0,	221.7,	221.7,	0.0);
(	436810.6,	3725303.1,	221.9,	221.9,	0.0);	(	436807.5,	3725294.3,	222.0,	222.0,	0.0);
(	436804.4,	3725285.5,	221.8,	221.8,	0.0);	(	436801.3,	3725276.6,	221.6,	221.6,	0.0);
(	436798.1,	3725267.8,	221.4,	221.4,	0.0);	(	436795.0,	3725259.0,	221.1,	221.1,	0.0);
(	436791.9,	3725250.1,	220.7,	220.7,	0.0);	(	436788.8,	3725241.3,	220.3,	220.3,	0.0);
(	436785.7,	3725232.5,	219.9,	219.9,	0.0);	(	436782.5,	3725223.6,	219.5,	219.5,	0.0);
(	436779.4,	3725214.8,	219.3,	223.0,	0.0);	(	436780.3,	3725197.5,	219.3,	226.0,	0.0);
(	436816.6,	3725121.4,	220.5,	228.0,	0.0);	(	436820.6,	3725112.9,	221.2,	228.0,	0.0);
(	436824.7,	3725104.5,	222.6,	228.0,	0.0);	(	436828.7,	3725096.0,	224.1,	226.0,	0.0);
(	436832.7,	3725087.6,	225.7,	225.7,	0.0);	(	436836.8,	3725079.1,	226.5,	226.5,	0.0);
(	436840.8,	3725070.7,	226.9,	226.9,	0.0);	(	436844.8,	3725062.2,	227.2,	227.2,	0.0);
(	436848.8,	3725053.8,	227.4,	227.4,	0.0);	(	437010.0,	3724715.5,	205.5,	220.0,	0.0);
(	437014.1,	3724707.0,	203.8,	220.0,	0.0);	(	437018.1,	3724698.6,	202.4,	220.0,	0.0);
(	437022.1,	3724690.1,	200.7,	220.0,	0.0);	(	436846.0,	3725514.3,	225.9,	225.9,	0.0);
(	436842.8,	3725505.4,	225.9,	225.9,	0.0);	(	436839.7,	3725496.6,	226.0,	226.0,	0.0);
(	436836.6,	3725487.7,	226.1,	226.1,	0.0);	(	436833.5,	3725478.8,	226.2,	226.2,	0.0);
(	436830.3,	3725469.9,	226.3,	226.3,	0.0);	(	436824.1,	3725452.2,	226.5,	226.5,	0.0);
(	436789.6,	3725354.6,	222.3,	222.3,	0.0);	(	436786.5,	3725345.8,	222.2,	222.2,	0.0);
(	436783.3,	3725336.9,	222.0,	222.0,	0.0);	(	436780.2,	3725328.0,	222.0,	222.0,	0.0);
(	436777.1,	3725319.2,	222.2,	222.2,	0.0);	(	436773.9,	3725310.3,	222.6,	222.6,	0.0);
(	436770.8,	3725301.4,	223.1,	223.1,	0.0);	(	436767.7,	3725292.6,	223.3,	223.3,	0.0);
(	436764.5,	3725283.7,	223.3,	223.3,	0.0);	(	436761.4,	3725274.8,	223.3,	223.3,	0.0);
(	436758.3,	3725266.0,	223.4,	223.4,	0.0);	(	436755.1,	3725257.1,	223.3,	223.3,	0.0);
(	436752.0,	3725248.2,	223.2,	223.2,	0.0);	(	436748.9,	3725239.3,	223.2,	223.2,	0.0);
(	436745.8,	3725230.5,	223.1,	223.1,	0.0);	(	436742.6,	3725221.6,	223.1,	223.1,	0.0);
(	436739.5,	3725212.8,	223.2,	223.2,	0.0);	(	436740.4,	3725195.4,	223.5,	223.5,	0.0);
(	436772.8,	3725127.5,	224.1,	224.1,	0.0);	(	436776.8,	3725119.0,	224.1,	224.1,	0.0);
(	436780.9,	3725110.5,	224.1,	224.1,	0.0);	(	436784.9,	3725102.0,	224.3,	224.3,	0.0);
(	436789.0,	3725093.5,	224.8,	224.8,	0.0);	(	436793.0,	3725085.0,	225.5,	225.5,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	436797.0,	3725076.5,	226.2,	226.2,	0.0);	(436801.1,	3725068.0,	226.9,	226.9,	0.0);
(	436805.1,	3725059.5,	227.6,	227.6,	0.0);	(436809.2,	3725051.0,	227.6,	227.6,	0.0);
(	436813.2,	3725042.5,	227.2,	227.2,	0.0);	(436817.3,	3725034.0,	226.9,	226.9,	0.0);
(	436787.6,	3725459.9,	225.5,	225.5,	0.0);	(436784.4,	3725451.0,	224.8,	224.8,	0.0);
(	436781.3,	3725442.1,	224.0,	227.0,	0.0);	(436753.0,	3725362.0,	219.7,	219.7,	0.0);
(	436749.8,	3725353.1,	220.2,	220.2,	0.0);	(436746.7,	3725344.2,	220.8,	220.8,	0.0);
(	436743.6,	3725335.3,	221.4,	221.4,	0.0);	(436740.4,	3725326.4,	222.0,	222.0,	0.0);
(	436737.3,	3725317.5,	222.7,	222.7,	0.0);	(436734.1,	3725308.6,	223.5,	223.5,	0.0);
(	436731.0,	3725299.7,	224.3,	224.3,	0.0);	(436727.8,	3725290.8,	224.9,	224.9,	0.0);
(	436724.7,	3725281.9,	225.2,	225.2,	0.0);	(436721.6,	3725273.0,	225.7,	225.7,	0.0);
(	436718.4,	3725264.1,	225.9,	225.9,	0.0);	(436715.3,	3725255.2,	225.7,	225.7,	0.0);
(	436712.1,	3725246.3,	225.5,	225.5,	0.0);	(436709.0,	3725237.4,	225.4,	225.4,	0.0);
(	436705.8,	3725228.5,	225.5,	225.5,	0.0);	(436702.7,	3725219.6,	225.6,	225.6,	0.0);
(	436699.6,	3725210.7,	225.7,	225.7,	0.0);	(436700.5,	3725193.2,	225.8,	225.8,	0.0);
(	436728.9,	3725133.6,	225.4,	225.4,	0.0);	(436733.0,	3725125.1,	225.7,	225.7,	0.0);
(	436737.0,	3725116.5,	226.0,	226.0,	0.0);	(436741.1,	3725108.0,	224.5,	226.0,	0.0);
(	436745.1,	3725099.5,	223.1,	226.0,	0.0);	(436749.2,	3725091.0,	221.8,	231.0,	0.0);
(	436753.3,	3725082.5,	221.5,	231.0,	0.0);	(436757.3,	3725073.9,	222.2,	228.0,	0.0);
(	436759.1,	3725490.3,	221.9,	226.0,	0.0);	(436756.0,	3725481.5,	221.4,	227.0,	0.0);
(	436752.9,	3725472.7,	220.3,	227.0,	0.0);	(436749.8,	3725463.9,	218.8,	227.0,	0.0);
(	436746.7,	3725455.1,	217.4,	227.0,	0.0);	(436743.6,	3725446.3,	216.0,	227.0,	0.0);
(	436740.5,	3725437.5,	215.4,	227.0,	0.0);	(436737.3,	3725428.7,	214.7,	227.0,	0.0);
(	436712.5,	3725358.2,	218.9,	220.0,	0.0);	(436709.3,	3725349.4,	219.6,	219.6,	0.0);
(	436706.2,	3725340.6,	220.2,	225.0,	0.0);	(436703.1,	3725331.8,	220.9,	225.0,	0.0);
(	436700.0,	3725323.0,	221.7,	225.0,	0.0);	(436696.9,	3725314.2,	222.7,	225.0,	0.0);
(	436693.8,	3725305.4,	223.8,	225.0,	0.0);	(436690.7,	3725296.5,	224.9,	224.9,	0.0);
(	436687.6,	3725287.8,	225.2,	225.2,	0.0);	(436684.5,	3725278.9,	225.4,	225.4,	0.0);
(	436681.3,	3725270.1,	225.8,	225.8,	0.0);	(436678.2,	3725261.3,	226.0,	226.0,	0.0);
(	436675.1,	3725252.5,	226.0,	226.0,	0.0);	(436672.0,	3725243.7,	226.0,	226.0,	0.0);
(	436688.6,	3725132.2,	224.4,	233.0,	0.0);	(436692.6,	3725123.8,	224.4,	233.0,	0.0);
(	436696.6,	3725115.3,	224.5,	233.0,	0.0);	(436700.7,	3725106.9,	224.1,	233.0,	0.0);
(	436704.7,	3725098.5,	223.2,	233.0,	0.0);	(436708.7,	3725090.0,	221.7,	233.0,	0.0);
(	436712.7,	3725081.6,	220.0,	233.0,	0.0);	(436788.2,	3725683.8,	210.8,	242.0,	0.0);
(	436785.1,	3725674.9,	211.2,	242.0,	0.0);	(436782.0,	3725666.1,	211.6,	242.0,	0.0);
(	436778.8,	3725657.2,	211.9,	242.0,	0.0);	(436772.6,	3725639.5,	215.1,	227.0,	0.0);
(	436769.5,	3725630.7,	216.5,	227.0,	0.0);	(436766.4,	3725621.9,	217.0,	227.0,	0.0);
(	436763.2,	3725613.0,	217.0,	227.0,	0.0);	(436760.1,	3725604.2,	217.0,	227.0,	0.0);
(	436757.0,	3725595.3,	217.0,	227.0,	0.0);	(436753.9,	3725586.5,	217.2,	227.0,	0.0);
(	436750.8,	3725577.7,	217.4,	227.0,	0.0);	(436747.6,	3725568.8,	217.6,	227.0,	0.0);
(	436744.5,	3725560.0,	217.7,	227.0,	0.0);	(436741.4,	3725551.1,	217.7,	227.0,	0.0);
(	436716.4,	3725480.4,	214.2,	227.0,	0.0);	(436713.3,	3725471.6,	213.2,	227.0,	0.0);
(	436710.2,	3725462.8,	212.2,	227.0,	0.0);	(436707.0,	3725453.9,	211.1,	227.0,	0.0);
(	436703.9,	3725445.1,	209.9,	227.0,	0.0);	(436700.8,	3725436.2,	209.2,	227.0,	0.0);
(	436697.7,	3725427.4,	208.5,	227.0,	0.0);	(436694.6,	3725418.6,	207.7,	227.0,	0.0);
(	436691.4,	3725409.7,	208.7,	227.0,	0.0);	(436632.1,	3725241.8,	226.7,	226.7,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(METERS)

(436664.9,	3725096.0,	228.5,	233.0,	0.0);	(436764.5,	3725727.6,	212.1,	242.0,	0.0);
(436761.4,	3725718.7,	211.1,	242.0,	0.0);	(436758.2,	3725709.9,	210.0,	242.0,	0.0);
(436755.1,	3725701.0,	209.0,	242.0,	0.0);	(436752.0,	3725692.1,	207.8,	242.0,	0.0);
(436748.8,	3725683.3,	207.4,	242.0,	0.0);	(436745.7,	3725674.4,	208.5,	242.0,	0.0);
(436742.6,	3725665.5,	209.4,	227.0,	0.0);	(436739.5,	3725656.7,	210.3,	227.0,	0.0);
(436736.3,	3725647.8,	210.8,	227.0,	0.0);	(436733.2,	3725638.9,	211.3,	227.0,	0.0);
(436730.0,	3725630.0,	211.7,	227.0,	0.0);	(436726.9,	3725621.2,	211.9,	227.0,	0.0);
(436723.8,	3725612.3,	211.9,	227.0,	0.0);	(436720.6,	3725603.4,	211.9,	227.0,	0.0);
(436717.5,	3725594.6,	211.9,	227.0,	0.0);	(436714.4,	3725585.7,	212.4,	227.0,	0.0);
(436711.3,	3725576.8,	212.8,	227.0,	0.0);	(436708.1,	3725568.0,	213.3,	227.0,	0.0);
(436705.0,	3725559.1,	213.5,	227.0,	0.0);	(436701.9,	3725550.2,	213.8,	227.0,	0.0);
(436698.7,	3725541.4,	214.2,	227.0,	0.0);	(436695.6,	3725532.5,	214.4,	227.0,	0.0);
(436670.5,	3725461.5,	207.8,	227.0,	0.0);	(436667.4,	3725452.7,	206.5,	227.0,	0.0);
(436664.3,	3725443.8,	205.5,	227.0,	0.0);	(436661.1,	3725434.9,	205.1,	227.0,	0.0);
(436658.0,	3725426.1,	204.8,	227.0,	0.0);	(436654.9,	3725417.2,	204.5,	227.0,	0.0);
(436595.4,	3725248.7,	224.8,	224.8,	0.0);	(436592.2,	3725239.8,	225.1,	226.0,	0.0);
(436589.1,	3725230.9,	223.6,	226.0,	0.0);	(436586.0,	3725222.1,	220.6,	227.0,	0.0);
(436582.8,	3725213.2,	217.2,	233.0,	0.0);	(436725.1,	3725727.1,	209.5,	241.0,	0.0);
(436722.0,	3725718.3,	208.4,	242.0,	0.0);	(436718.9,	3725709.4,	207.7,	242.0,	0.0);
(436715.7,	3725700.5,	207.3,	242.0,	0.0);	(436712.6,	3725691.6,	206.9,	242.0,	0.0);
(436709.4,	3725682.7,	206.9,	227.0,	0.0);	(436706.3,	3725673.8,	207.4,	227.0,	0.0);
(436703.1,	3725664.9,	207.9,	227.0,	0.0);	(436700.0,	3725656.0,	208.4,	227.0,	0.0);
(436696.9,	3725647.1,	208.4,	227.0,	0.0);	(436693.7,	3725638.2,	208.3,	227.0,	0.0);
(436690.6,	3725629.3,	208.1,	227.0,	0.0);	(436687.4,	3725620.4,	207.8,	227.0,	0.0);
(436684.3,	3725611.5,	207.6,	227.0,	0.0);	(436681.1,	3725602.6,	207.4,	227.0,	0.0);
(436678.0,	3725593.7,	207.5,	227.0,	0.0);	(436674.9,	3725584.8,	208.3,	227.0,	0.0);
(436671.7,	3725575.9,	209.2,	227.0,	0.0);	(436668.6,	3725567.0,	210.2,	227.0,	0.0);
(436665.5,	3725558.1,	210.4,	227.0,	0.0);	(436662.3,	3725549.2,	210.2,	227.0,	0.0);
(436659.2,	3725540.3,	210.0,	227.0,	0.0);	(436656.0,	3725531.4,	209.3,	227.0,	0.0);
(436652.9,	3725522.5,	208.4,	227.0,	0.0);	(436561.8,	3725264.5,	221.8,	221.8,	0.0);
(436558.6,	3725255.6,	222.0,	222.0,	0.0);	(436555.5,	3725246.7,	222.2,	222.2,	0.0);
(436552.3,	3725237.8,	222.4,	222.4,	0.0);	(436549.2,	3725228.9,	219.8,	226.0,	0.0);
(437547.8,	3725319.5,	204.4,	219.0,	0.0);	(437559.6,	3725332.5,	204.8,	219.0,	0.0);
(437528.6,	3725313.2,	203.4,	219.0,	0.0);	(437540.4,	3725326.2,	203.7,	219.0,	0.0);
(437552.2,	3725339.2,	204.1,	219.0,	0.0);	(437509.3,	3725306.8,	202.3,	220.0,	0.0);
(437521.1,	3725319.9,	202.7,	219.0,	0.0);	(437533.0,	3725332.9,	203.0,	219.0,	0.0);
(437544.8,	3725345.9,	203.4,	219.0,	0.0);	(437501.9,	3725313.6,	201.6,	221.0,	0.0);
(437513.7,	3725326.6,	201.9,	220.0,	0.0);	(437525.6,	3725339.6,	202.3,	219.0,	0.0);
(437537.4,	3725352.6,	202.6,	219.0,	0.0);	(437494.5,	3725320.3,	201.4,	221.0,	0.0);
(437506.3,	3725333.3,	201.4,	221.0,	0.0);	(437518.1,	3725346.3,	201.8,	220.0,	0.0);
(437530.0,	3725359.4,	202.0,	219.0,	0.0);	(437498.9,	3725340.0,	201.1,	221.0,	0.0);
(437510.7,	3725353.0,	201.4,	221.0,	0.0);	(437522.5,	3725366.1,	202.0,	220.0,	0.0);
(437491.5,	3725346.7,	201.9,	221.0,	0.0);	(437503.3,	3725359.8,	201.4,	221.0,	0.0);
(437515.1,	3725372.8,	202.3,	220.0,	0.0);	(437464.9,	3725347.1,	205.0,	221.0,	0.0);
(437476.7,	3725360.2,	204.4,	221.0,	0.0);	(437488.5,	3725373.2,	204.0,	221.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(METERS)

(	437500.3,	3725386.2,	204.0,	220.0,	0.0);	(	437450.1,	3725360.6,	207.2,	221.0,	0.0);
(	437441.0,	3725440.0,	209.9,	220.0,	0.0);	(	437414.4,	3725440.4,	210.7,	220.0,	0.0);
(	437426.2,	3725453.4,	210.9,	220.0,	0.0);	(	437399.6,	3725453.8,	211.8,	211.8,	0.0);
(	437411.4,	3725466.8,	212.3,	220.0,	0.0);	(	437384.8,	3725467.2,	212.7,	220.0,	0.0);
(	437486.3,	3725362.9,	203.4,	221.0,	0.0);	(	437290.7,	3725439.4,	210.3,	221.0,	0.0);
(	436672.5,	3725697.8,	204.6,	227.0,	0.0);	(	437557.5,	3725323.2,	205.0,	219.0,	0.0);
(	436768.5,	3725455.4,	222.2,	227.0,	0.0);	(	436729.1,	3725462.0,	214.8,	227.0,	0.0);
(	436689.6,	3725468.6,	211.0,	227.0,	0.0);	(	437438.2,	3725332.1,	208.1,	221.0,	0.0);
(	437418.1,	3725327.9,	209.5,	221.0,	0.0);	(	437118.4,	3725341.5,	205.7,	205.7,	0.0);
(	437058.2,	3725338.6,	208.1,	208.1,	0.0);	(	436998.3,	3725340.3,	210.9,	210.9,	0.0);
(	436958.3,	3725341.5,	213.1,	213.1,	0.0);	(	436918.3,	3725342.7,	215.5,	215.5,	0.0);
(	436878.3,	3725343.9,	218.4,	218.4,	0.0);	(	436838.3,	3725345.1,	220.7,	220.7,	0.0);
(	436798.4,	3725346.3,	222.4,	222.4,	0.0);	(	436758.4,	3725347.4,	221.0,	221.0,	0.0);
(	436718.4,	3725348.6,	220.4,	220.4,	0.0);	(	436678.4,	3725349.8,	216.5,	226.0,	0.0);
(	437334.0,	3725234.4,	209.6,	220.0,	0.0);	(	437312.6,	3725235.1,	211.5,	211.5,	0.0);
(	437286.9,	3725217.8,	213.0,	213.0,	0.0);	(	437230.3,	3725197.9,	215.2,	215.2,	0.0);
(	436994.5,	3725114.9,	212.1,	228.0,	0.0);	(	437626.0,	3725373.7,	206.1,	219.0,	0.0);
(	437633.4,	3725380.0,	206.0,	220.0,	0.0);	(	437640.8,	3725386.3,	205.7,	220.0,	0.0);
(	437648.2,	3725392.6,	205.8,	220.0,	0.0);	(	437655.6,	3725398.8,	206.1,	220.0,	0.0);
(	437663.0,	3725405.1,	206.4,	221.0,	0.0);	(	437670.4,	3725411.4,	206.7,	221.0,	0.0);
(	437619.6,	3725381.3,	205.3,	219.0,	0.0);	(	437627.0,	3725387.6,	205.2,	220.0,	0.0);
(	437634.3,	3725393.9,	205.4,	220.0,	0.0);	(	437641.7,	3725400.2,	205.4,	220.0,	0.0);
(	437649.1,	3725406.5,	205.3,	220.0,	0.0);	(	437656.5,	3725412.8,	205.6,	221.0,	0.0);
(	437663.9,	3725419.0,	205.9,	221.0,	0.0);	(	437613.1,	3725389.0,	204.8,	219.0,	0.0);
(	437620.5,	3725395.2,	205.0,	219.0,	0.0);	(	437627.9,	3725401.5,	205.1,	219.0,	0.0);
(	437635.2,	3725407.8,	205.1,	220.0,	0.0);	(	437642.6,	3725414.1,	205.1,	220.0,	0.0);
(	437650.0,	3725420.4,	205.0,	220.0,	0.0);	(	437657.4,	3725426.6,	205.3,	220.0,	0.0);
(	437599.2,	3725390.3,	204.3,	219.0,	0.0);	(	437606.6,	3725396.6,	204.6,	219.0,	0.0);
(	437614.0,	3725402.9,	204.8,	219.0,	0.0);	(	437621.4,	3725409.1,	205.0,	219.0,	0.0);
(	437628.8,	3725415.4,	205.0,	219.0,	0.0);	(	437636.2,	3725421.7,	204.9,	220.0,	0.0);
(	437643.6,	3725428.0,	204.9,	220.0,	0.0);	(	437651.0,	3725434.3,	205.0,	220.0,	0.0);
(	437551.3,	3725354.0,	203.5,	219.0,	0.0);	(	437592.8,	3725397.9,	204.1,	219.0,	0.0);
(	437600.1,	3725404.2,	204.4,	219.0,	0.0);	(	437607.5,	3725410.5,	204.6,	219.0,	0.0);
(	437614.9,	3725416.8,	204.8,	219.0,	0.0);	(	437622.3,	3725423.0,	204.8,	219.0,	0.0);
(	437629.7,	3725429.3,	204.7,	219.0,	0.0);	(	437637.1,	3725435.6,	204.7,	204.7,	0.0);
(	437644.5,	3725441.9,	204.9,	212.0,	0.0);	(	437593.7,	3725411.8,	204.1,	219.0,	0.0);
(	437601.0,	3725418.1,	204.4,	219.0,	0.0);	(	437608.4,	3725424.4,	204.5,	204.5,	0.0);
(	437615.8,	3725430.7,	204.5,	204.5,	0.0);	(	437623.2,	3725436.9,	204.4,	204.4,	0.0);
(	437630.6,	3725443.2,	204.4,	204.4,	0.0);	(	437638.0,	3725449.5,	204.6,	204.6,	0.0);
(	437545.8,	3725381.0,	203.1,	219.0,	0.0);	(	437536.9,	3725367.0,	202.5,	219.0,	0.0);
(	437587.2,	3725419.4,	204.0,	204.0,	0.0);	(	437594.6,	3725425.7,	204.1,	204.1,	0.0);
(	437602.0,	3725432.0,	204.2,	204.2,	0.0);	(	437609.3,	3725438.3,	204.2,	204.2,	0.0);
(	437616.7,	3725444.6,	204.1,	204.1,	0.0);	(	437624.1,	3725450.8,	204.2,	204.2,	0.0);
(	437631.5,	3725457.1,	204.4,	204.4,	0.0);	(	437538.7,	3725387.6,	202.7,	215.0,	0.0);
(	437533.6,	3725379.6,	202.3,	217.0,	0.0);	(	437532.5,	3725395.8,	202.8,	202.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437523.0,	3725380.7,	202.3,	220.0,	0.0);	(437517.2,	3725389.4,	203.0,	220.0,	0.0);
(437480.4,	3725348.2,	203.2,	221.0,	0.0);	(437584.4,	3725482.7,	205.2,	245.0,	0.0);
(437591.8,	3725488.9,	205.4,	245.0,	0.0);	(437599.1,	3725495.2,	205.3,	245.0,	0.0);
(437460.8,	3725362.0,	206.2,	221.0,	0.0);	(437504.9,	3725441.4,	205.7,	227.0,	0.0);
(437512.3,	3725447.7,	205.6,	227.0,	0.0);	(437519.7,	3725453.9,	205.6,	227.0,	0.0);
(437527.1,	3725460.2,	205.6,	227.0,	0.0);	(437571.4,	3725497.9,	205.7,	245.0,	0.0);
(437578.8,	3725504.2,	205.9,	245.0,	0.0);	(437586.2,	3725510.5,	206.0,	245.0,	0.0);
(437486.9,	3725448.6,	206.5,	227.0,	0.0);	(437441.5,	3725367.0,	208.2,	221.0,	0.0);
(437492.0,	3725456.6,	206.7,	227.0,	0.0);	(437499.3,	3725462.9,	206.6,	228.0,	0.0);
(437506.7,	3725469.2,	206.5,	228.0,	0.0);	(437514.1,	3725475.5,	206.5,	228.0,	0.0);
(437521.5,	3725481.8,	206.5,	228.0,	0.0);	(437558.5,	3725513.1,	206.3,	245.0,	0.0);
(437565.8,	3725519.4,	206.4,	245.0,	0.0);	(437573.2,	3725525.7,	206.4,	245.0,	0.0);
(437464.7,	3725449.3,	207.7,	227.0,	0.0);	(437423.1,	3725346.1,	209.8,	221.0,	0.0);
(437486.4,	3725478.1,	208.0,	228.0,	0.0);	(437493.8,	3725484.4,	207.9,	228.0,	0.0);
(437501.2,	3725490.7,	207.9,	228.0,	0.0);	(437508.6,	3725497.0,	207.9,	228.0,	0.0);
(437545.5,	3725528.4,	207.2,	245.0,	0.0);	(437552.9,	3725534.7,	207.2,	245.0,	0.0);
(437560.3,	3725540.9,	207.1,	246.0,	0.0);	(437456.3,	3725471.7,	210.0,	227.0,	0.0);
(437451.4,	3725464.0,	210.0,	227.0,	0.0);	(437446.5,	3725456.3,	210.0,	225.0,	0.0);
(437473.4,	3725493.4,	209.9,	228.0,	0.0);	(437480.8,	3725499.7,	209.8,	228.0,	0.0);
(437488.2,	3725505.9,	209.8,	228.0,	0.0);	(437443.1,	3725486.6,	212.0,	227.0,	0.0);
(437438.1,	3725478.7,	212.1,	225.0,	0.0);	(437433.1,	3725470.8,	211.9,	225.0,	0.0);
(437428.1,	3725463.0,	211.5,	225.0,	0.0);	(437414.7,	3725477.5,	213.0,	225.0,	0.0);
(437327.3,	3725352.4,	220.6,	220.6,	0.0);	(437306.3,	3725403.6,	212.7,	221.0,	0.0);
(437310.1,	3725300.6,	216.6,	220.0,	0.0);	(437312.0,	3725475.9,	211.2,	212.0,	0.0);
(437307.0,	3725468.0,	210.7,	220.0,	0.0);	(437302.0,	3725460.2,	210.3,	221.0,	0.0);
(437297.0,	3725452.3,	210.1,	221.0,	0.0);	(437277.7,	3725402.2,	210.3,	221.0,	0.0);
(437280.5,	3725327.6,	217.3,	220.0,	0.0);	(437282.8,	3725483.5,	208.7,	220.0,	0.0);
(437277.9,	3725475.7,	208.2,	221.0,	0.0);	(437272.9,	3725467.8,	208.2,	221.0,	0.0);
(437267.9,	3725460.0,	208.1,	221.0,	0.0);	(437249.1,	3725400.8,	207.6,	221.0,	0.0);
(437244.9,	3725477.2,	207.0,	239.0,	0.0);	(437220.1,	3725407.6,	206.0,	221.0,	0.0);
(437223.0,	3725330.5,	206.5,	221.0,	0.0);	(437223.4,	3725320.8,	206.9,	221.0,	0.0);
(437223.7,	3725311.2,	207.4,	221.0,	0.0);	(437227.0,	3725224.5,	214.6,	214.6,	0.0);
(437227.3,	3725214.9,	214.7,	214.7,	0.0);	(437191.5,	3725406.0,	206.2,	221.0,	0.0);
(437191.9,	3725396.4,	206.1,	221.0,	0.0);	(437194.4,	3725329.4,	204.9,	221.0,	0.0);
(437194.8,	3725319.8,	204.8,	221.0,	0.0);	(437195.1,	3725310.2,	204.8,	221.0,	0.0);
(437198.3,	3725224.0,	210.0,	220.0,	0.0);	(437198.7,	3725214.4,	211.0,	216.0,	0.0);
(437199.0,	3725204.8,	211.9,	215.0,	0.0);	(437162.9,	3725404.5,	206.6,	206.6,	0.0);
(437163.3,	3725394.9,	206.3,	206.3,	0.0);	(437168.3,	3725261.5,	203.1,	221.0,	0.0);
(437169.7,	3725223.4,	204.9,	220.0,	0.0);	(437170.0,	3725213.9,	205.6,	220.0,	0.0);
(437170.4,	3725204.4,	206.2,	220.0,	0.0);	(437170.7,	3725194.8,	206.2,	220.0,	0.0);
(437134.0,	3725412.5,	207.1,	207.1,	0.0);	(437134.3,	3725403.0,	206.7,	206.7,	0.0);
(437136.8,	3725336.6,	205.1,	205.1,	0.0);	(437137.1,	3725327.1,	205.1,	205.1,	0.0);
(437137.5,	3725317.6,	204.5,	220.0,	0.0);	(437139.6,	3725260.7,	201.0,	220.0,	0.0);
(437141.0,	3725222.8,	201.6,	220.0,	0.0);	(437141.4,	3725213.3,	202.0,	220.0,	0.0);
(437141.7,	3725203.8,	202.3,	220.0,	0.0);	(437142.1,	3725194.3,	202.3,	220.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437105.3,	3725411.1,	208.0,	208.0,	0.0);	(437108.2,	3725335.5,	206.1,	206.1,	0.0);
(437108.5,	3725326.0,	206.0,	206.0,	0.0);	(437108.9,	3725316.6,	205.4,	205.4,	0.0);
(437111.0,	3725259.9,	202.7,	215.0,	0.0);	(437112.4,	3725222.1,	201.5,	220.0,	0.0);
(437113.1,	3725203.2,	201.0,	220.0,	0.0);	(437113.4,	3725193.7,	200.8,	220.0,	0.0);
(437076.7,	3725409.7,	209.0,	209.0,	0.0);	(437079.2,	3725343.8,	207.6,	207.6,	0.0);
(437079.5,	3725334.3,	207.3,	207.3,	0.0);	(437079.9,	3725324.9,	207.0,	207.0,	0.0);
(437080.2,	3725315.5,	206.6,	206.6,	0.0);	(437082.0,	3725268.4,	204.9,	204.9,	0.0);
(437083.8,	3725221.3,	202.8,	202.8,	0.0);	(437084.5,	3725202.5,	201.7,	219.0,	0.0);
(437084.8,	3725193.1,	201.4,	220.0,	0.0);	(437085.1,	3725183.7,	201.1,	228.0,	0.0);
(437051.1,	3725328.9,	208.0,	208.0,	0.0);	(437051.4,	3725319.3,	207.9,	207.9,	0.0);
(437053.6,	3725261.3,	205.7,	205.7,	0.0);	(437056.1,	3725193.7,	203.5,	203.5,	0.0);
(437056.5,	3725184.1,	203.4,	228.0,	0.0);	(437016.7,	3725481.6,	213.3,	240.0,	0.0);
(437017.1,	3725472.0,	213.2,	220.0,	0.0);	(437024.6,	3725270.1,	207.0,	207.0,	0.0);
(437027.5,	3725193.2,	205.2,	224.0,	0.0);	(437027.8,	3725183.6,	204.9,	228.0,	0.0);
(436978.1,	3725492.2,	217.5,	220.0,	0.0);	(436978.4,	3725482.7,	217.5,	220.0,	0.0);
(436981.6,	3725397.3,	213.9,	213.9,	0.0);	(436982.0,	3725387.8,	213.6,	213.6,	0.0);
(436982.3,	3725378.4,	213.2,	213.2,	0.0);	(436984.5,	3725321.4,	211.0,	211.0,	0.0);
(436984.8,	3725312.0,	210.8,	210.8,	0.0);	(436985.2,	3725302.5,	210.5,	210.5,	0.0);
(436987.6,	3725236.1,	209.1,	209.1,	0.0);	(436988.0,	3725226.6,	208.5,	208.5,	0.0);
(436988.3,	3725217.1,	207.8,	214.0,	0.0);	(436988.7,	3725207.6,	207.1,	214.0,	0.0);
(436989.0,	3725198.1,	206.8,	228.0,	0.0);	(436989.4,	3725188.6,	206.4,	228.0,	0.0);
(436939.5,	3725502.5,	220.7,	220.7,	0.0);	(436939.8,	3725492.9,	220.7,	220.7,	0.0);
(436940.2,	3725483.3,	220.7,	220.7,	0.0);	(436943.1,	3725406.5,	217.2,	219.0,	0.0);
(436943.4,	3725396.9,	216.6,	219.0,	0.0);	(436943.8,	3725387.3,	216.1,	216.1,	0.0);
(436944.1,	3725377.7,	215.6,	215.6,	0.0);	(436946.3,	3725320.1,	212.9,	212.9,	0.0);
(436946.6,	3725310.5,	212.9,	212.9,	0.0);	(436947.0,	3725300.9,	212.8,	212.8,	0.0);
(436947.3,	3725291.3,	213.0,	213.0,	0.0);	(436947.7,	3725281.7,	213.3,	213.3,	0.0);
(436949.8,	3725224.1,	210.8,	220.0,	0.0);	(436950.2,	3725214.5,	209.8,	220.0,	0.0);
(436950.6,	3725204.9,	208.9,	228.0,	0.0);	(436909.0,	3725294.9,	216.1,	216.1,	0.0);
(436909.3,	3725285.4,	216.1,	216.1,	0.0);	(436911.5,	3725228.5,	214.0,	220.0,	0.0);
(436911.8,	3725219.0,	213.2,	220.0,	0.0);	(436912.2,	3725209.5,	212.4,	220.0,	0.0);
(436912.5,	3725200.0,	211.9,	226.0,	0.0);	(436915.7,	3725114.6,	216.1,	228.0,	0.0);
(436916.1,	3725105.1,	217.4,	228.0,	0.0);	(436862.6,	3725513.8,	225.4,	225.4,	0.0);
(436863.0,	3725504.2,	225.2,	225.2,	0.0);	(436863.3,	3725494.6,	225.2,	225.2,	0.0);
(436863.7,	3725485.1,	225.2,	225.2,	0.0);	(436866.5,	3725408.4,	221.7,	221.7,	0.0);
(436866.9,	3725398.8,	221.1,	221.1,	0.0);	(436867.2,	3725389.2,	220.4,	220.4,	0.0);
(436869.4,	3725331.7,	219.0,	219.0,	0.0);	(436869.8,	3725322.1,	219.0,	219.0,	0.0);
(436870.1,	3725312.5,	219.0,	219.0,	0.0);	(436870.5,	3725302.9,	218.9,	218.9,	0.0);
(436870.8,	3725293.3,	219.0,	219.0,	0.0);	(436871.2,	3725283.7,	219.3,	219.3,	0.0);
(436873.3,	3725226.2,	215.5,	220.0,	0.0);	(436873.7,	3725216.6,	214.3,	220.0,	0.0);
(436874.0,	3725207.0,	213.1,	226.0,	0.0);	(436874.4,	3725197.4,	212.7,	228.0,	0.0);
(436824.4,	3725514.4,	226.4,	226.4,	0.0);	(436824.7,	3725504.7,	226.5,	226.5,	0.0);
(436825.1,	3725495.0,	226.5,	226.5,	0.0);	(436825.4,	3725485.3,	226.5,	226.5,	0.0);
(436828.3,	3725407.9,	224.4,	224.4,	0.0);	(436828.7,	3725398.2,	223.9,	223.9,	0.0);
(436829.0,	3725388.5,	223.5,	223.5,	0.0);	(436831.2,	3725330.5,	220.7,	220.7,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(436831.6,	3725320.8,	220.5,	220.5,	0.0);	(436831.9,	3725311.1,	220.5,	220.5,	0.0);
(436832.3,	3725301.4,	220.5,	220.5,	0.0);	(436832.7,	3725291.8,	220.4,	220.4,	0.0);
(436834.8,	3725233.7,	218.8,	218.8,	0.0);	(436835.2,	3725224.0,	217.3,	219.0,	0.0);
(436835.5,	3725214.3,	215.8,	220.0,	0.0);	(436835.9,	3725204.6,	214.5,	225.0,	0.0);
(436836.3,	3725194.9,	214.5,	226.0,	0.0);	(436838.8,	3725127.2,	218.6,	228.0,	0.0);
(436839.1,	3725117.5,	219.8,	228.0,	0.0);	(436839.5,	3725107.8,	221.7,	228.0,	0.0);
(436839.9,	3725098.1,	223.6,	228.0,	0.0);	(436792.9,	3725333.6,	222.1,	222.1,	0.0);
(436793.2,	3725324.0,	222.0,	222.0,	0.0);	(436793.6,	3725314.4,	222.2,	222.2,	0.0);
(436793.9,	3725304.8,	222.4,	222.4,	0.0);	(436794.3,	3725295.3,	222.5,	222.5,	0.0);
(436794.7,	3725285.7,	222.2,	222.2,	0.0);	(436796.8,	3725228.2,	219.6,	219.6,	0.0);
(436797.1,	3725218.6,	219.1,	219.1,	0.0);	(436797.5,	3725209.1,	218.6,	218.6,	0.0);
(436797.9,	3725199.5,	218.6,	224.0,	0.0);	(436800.7,	3725122.9,	221.7,	226.0,	0.0);
(436801.1,	3725113.3,	222.2,	228.0,	0.0);	(436801.4,	3725103.7,	223.4,	226.0,	0.0);
(436801.8,	3725094.1,	224.7,	226.0,	0.0);	(436802.1,	3725084.5,	225.9,	225.9,	0.0);
(436771.9,	3725605.1,	218.6,	227.0,	0.0);	(436766.8,	3725597.0,	218.2,	227.0,	0.0);
(436750.7,	3725438.7,	217.3,	227.0,	0.0);	(436751.1,	3725429.0,	217.3,	227.0,	0.0);
(436754.7,	3725332.4,	221.7,	221.7,	0.0);	(436755.0,	3725322.8,	222.2,	222.2,	0.0);
(436755.4,	3725313.1,	222.8,	222.8,	0.0);	(436755.8,	3725303.4,	223.4,	223.4,	0.0);
(436756.1,	3725293.8,	223.8,	223.8,	0.0);	(436758.3,	3725235.8,	222.1,	223.0,	0.0);
(436758.6,	3725226.1,	221.8,	221.8,	0.0);	(436759.0,	3725216.5,	221.4,	221.4,	0.0);
(436759.4,	3725206.8,	221.0,	221.0,	0.0);	(436759.7,	3725197.1,	221.5,	224.0,	0.0);
(436762.2,	3725129.5,	224.7,	224.7,	0.0);	(436762.6,	3725119.8,	225.0,	225.0,	0.0);
(436763.0,	3725110.2,	224.7,	224.7,	0.0);	(436763.3,	3725100.5,	223.9,	226.0,	0.0);
(436763.7,	3725090.8,	223.2,	225.0,	0.0);	(436764.0,	3725081.2,	223.1,	227.0,	0.0);
(436779.2,	3725688.0,	210.1,	242.0,	0.0);	(436774.1,	3725679.9,	209.9,	242.0,	0.0);
(436769.0,	3725671.8,	210.2,	242.0,	0.0);	(436763.8,	3725663.7,	210.7,	242.0,	0.0);
(436758.7,	3725655.6,	211.4,	227.0,	0.0);	(436753.6,	3725647.5,	212.2,	227.0,	0.0);
(436748.5,	3725639.4,	212.6,	227.0,	0.0);	(436743.3,	3725631.4,	212.9,	227.0,	0.0);
(436738.2,	3725623.3,	213.0,	227.0,	0.0);	(436712.4,	3725440.8,	210.9,	227.0,	0.0);
(436712.8,	3725431.2,	210.6,	227.0,	0.0);	(436713.1,	3725421.6,	210.3,	227.0,	0.0);
(436716.3,	3725335.5,	221.2,	221.2,	0.0);	(436716.7,	3725325.9,	221.9,	225.0,	0.0);
(436717.1,	3725316.4,	222.9,	225.0,	0.0);	(436717.4,	3725306.8,	223.9,	225.0,	0.0);
(436717.8,	3725297.2,	224.9,	224.9,	0.0);	(436719.9,	3725239.8,	225.1,	225.1,	0.0);
(436720.3,	3725230.2,	225.0,	225.0,	0.0);	(436720.6,	3725220.7,	224.9,	224.9,	0.0);
(436721.0,	3725211.1,	224.9,	224.9,	0.0);	(436721.3,	3725201.5,	225.0,	225.0,	0.0);
(436721.7,	3725191.9,	225.3,	225.3,	0.0);	(436724.5,	3725115.4,	225.8,	225.8,	0.0);
(436724.9,	3725105.8,	223.7,	231.0,	0.0);	(436725.3,	3725096.2,	221.6,	233.0,	0.0);
(436725.6,	3725086.7,	219.5,	233.0,	0.0);	(436751.5,	3725715.6,	210.1,	242.0,	0.0);
(436746.4,	3725707.5,	209.0,	242.0,	0.0);	(436741.2,	3725699.3,	208.1,	242.0,	0.0);
(436736.0,	3725691.2,	207.4,	242.0,	0.0);	(436730.9,	3725683.0,	207.3,	242.0,	0.0);
(436725.7,	3725674.9,	207.9,	242.0,	0.0);	(436720.5,	3725666.7,	208.3,	227.0,	0.0);
(436715.3,	3725658.6,	208.7,	227.0,	0.0);	(436710.2,	3725650.4,	209.0,	227.0,	0.0);
(436705.0,	3725642.2,	209.0,	227.0,	0.0);	(436670.6,	3725536.9,	211.4,	227.0,	0.0);
(436671.0,	3725527.3,	211.2,	227.0,	0.0);	(436674.2,	3725440.5,	206.4,	227.0,	0.0);
(436674.6,	3725430.8,	206.2,	227.0,	0.0);	(436674.9,	3725421.2,	206.1,	227.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	436675.3,	3725411.5,	206.9,	227.0,	0.0);	(436678.2,	3725334.3,	218.9,	226.0,	0.0);
(	436678.5,	3725324.7,	220.5,	225.0,	0.0);	(436678.9,	3725315.0,	221.8,	225.0,	0.0);
(	436679.2,	3725305.4,	223.1,	225.0,	0.0);	(436679.6,	3725295.8,	224.4,	224.4,	0.0);
(	436681.8,	3725237.9,	226.0,	226.0,	0.0);	(436682.1,	3725228.2,	226.1,	226.1,	0.0);
(	436682.5,	3725218.6,	226.1,	226.1,	0.0);	(436682.8,	3725208.9,	226.2,	226.2,	0.0);
(	436683.2,	3725199.3,	226.2,	226.2,	0.0);	(436686.4,	3725112.4,	224.4,	233.0,	0.0);
(	436686.8,	3725102.8,	224.8,	233.0,	0.0);	(436687.1,	3725093.2,	225.2,	233.0,	0.0);
(	436712.2,	3725724.9,	208.4,	227.0,	0.0);	(436707.1,	3725716.8,	207.2,	242.0,	0.0);
(	436702.0,	3725708.8,	206.7,	241.0,	0.0);	(436696.8,	3725700.7,	206.4,	227.0,	0.0);
(	436691.7,	3725692.6,	206.1,	227.0,	0.0);	(436686.6,	3725684.5,	205.7,	227.0,	0.0);
(	436681.5,	3725676.4,	205.6,	227.0,	0.0);	(436676.3,	3725668.3,	205.4,	227.0,	0.0);
(	436671.2,	3725660.3,	205.3,	227.0,	0.0);	(436666.1,	3725652.2,	205.0,	227.0,	0.0);
(	436661.0,	3725644.1,	204.6,	227.0,	0.0);	(436655.8,	3725636.0,	204.5,	227.0,	0.0);
(	436650.7,	3725627.9,	204.6,	227.0,	0.0);	(436645.6,	3725619.9,	205.0,	227.0,	0.0);
(	436640.5,	3725611.8,	205.8,	227.0,	0.0);	(436635.3,	3725603.7,	206.8,	227.0,	0.0);
(	436630.6,	3725586.0,	208.3,	208.3,	0.0);	(436630.9,	3725576.5,	208.7,	208.7,	0.0);
(	436631.3,	3725566.9,	209.0,	209.0,	0.0);	(436631.6,	3725557.4,	208.5,	226.0,	0.0);
(	436632.0,	3725547.8,	208.0,	227.0,	0.0);	(436632.3,	3725538.2,	207.4,	227.0,	0.0);
(	436632.7,	3725528.7,	206.8,	227.0,	0.0);	(436633.1,	3725519.1,	206.2,	227.0,	0.0);
(	436633.4,	3725509.5,	205.6,	227.0,	0.0);	(436643.4,	3725241.8,	226.4,	226.4,	0.0);
(	437682.2,	3725420.9,	207.1,	221.0,	0.0);	(437676.0,	3725428.7,	206.0,	222.0,	0.0);
(	437669.7,	3725436.5,	205.4,	221.0,	0.0);	(437663.5,	3725444.3,	205.1,	220.0,	0.0);
(	437657.2,	3725452.1,	205.0,	220.0,	0.0);	(437645.1,	3725455.3,	204.9,	204.9,	0.0);
(	437638.9,	3725463.1,	204.6,	245.0,	0.0);	(437607.6,	3725502.1,	205.3,	245.0,	0.0);
(	437595.1,	3725517.7,	205.9,	245.0,	0.0);	(437582.6,	3725533.3,	206.2,	246.0,	0.0);
(	437570.1,	3725548.9,	207.1,	246.0,	0.0);	(437631.4,	3725681.0,	216.7,	260.0,	0.0);
(	437617.3,	3725676.3,	216.1,	260.0,	0.0);	(437603.2,	3725671.7,	215.6,	260.0,	0.0);
(	437661.0,	3725710.1,	219.9,	260.0,	0.0);	(437646.8,	3725705.5,	219.8,	246.0,	0.0);
(	437632.7,	3725700.8,	218.9,	260.0,	0.0);	(437618.6,	3725696.2,	218.0,	260.0,	0.0);
(	437604.5,	3725691.5,	217.9,	260.0,	0.0);	(437590.3,	3725686.9,	218.0,	246.0,	0.0);
(	437576.2,	3725682.3,	217.4,	246.0,	0.0);	(437578.0,	3725712.0,	218.9,	262.0,	0.0);
(	437563.9,	3725707.4,	218.7,	262.0,	0.0);	(437549.7,	3725702.7,	219.5,	246.0,	0.0);
(	437722.0,	3725788.5,	227.1,	245.0,	0.0);	(437707.8,	3725783.8,	226.9,	246.0,	0.0);
(	437693.6,	3725779.1,	226.7,	246.0,	0.0);	(437752.3,	3725822.0,	229.2,	245.0,	0.0);
(	437738.5,	3725823.0,	231.4,	245.0,	0.0);	(437724.2,	3725818.4,	232.6,	245.0,	0.0);
(	437710.0,	3725813.7,	233.5,	245.0,	0.0);	(437695.8,	3725809.0,	232.7,	245.0,	0.0);
(	437681.5,	3725804.3,	231.7,	245.0,	0.0);	(437553.4,	3725762.2,	224.4,	262.0,	0.0);
(	437539.2,	3725757.6,	224.7,	246.0,	0.0);	(437525.0,	3725752.9,	225.0,	246.0,	0.0);
(	437774.7,	3725841.7,	227.3,	262.0,	0.0);	(437761.3,	3725848.5,	229.4,	262.0,	0.0);
(	437740.8,	3725852.9,	232.8,	245.0,	0.0);	(437726.5,	3725848.3,	234.8,	245.0,	0.0);
(	437598.2,	3725806.1,	230.6,	246.0,	0.0);	(437583.9,	3725801.4,	229.1,	260.0,	0.0);
(	437569.6,	3725796.7,	228.0,	262.0,	0.0);	(437555.4,	3725792.0,	227.3,	262.0,	0.0);
(	437541.1,	3725787.4,	227.5,	246.0,	0.0);	(437526.9,	3725782.7,	227.8,	246.0,	0.0);
(	437810.5,	3725854.5,	222.4,	262.0,	0.0);	(437797.1,	3725861.3,	224.3,	262.0,	0.0);
(	437783.7,	3725868.1,	226.0,	262.0,	0.0);	(437770.3,	3725875.0,	227.0,	262.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437614.5,	3725840.6,	239.4,	245.0,	0.0);	(437600.2,	3725835.9,	237.0,	245.0,	0.0);
(437557.4,	3725821.9,	231.2,	246.0,	0.0);	(437833.0,	3725874.1,	219.8,	262.0,	0.0);
(437819.6,	3725880.9,	221.2,	262.0,	0.0);	(437806.2,	3725887.8,	222.6,	262.0,	0.0);
(437792.8,	3725894.6,	223.5,	262.0,	0.0);	(437645.2,	3725879.9,	243.8,	243.8,	0.0);
(437631.0,	3725875.2,	244.7,	244.7,	0.0);	(437616.6,	3725870.5,	244.8,	244.8,	0.0);
(437602.3,	3725865.8,	243.2,	245.0,	0.0);	(437855.5,	3725893.7,	219.9,	262.0,	0.0);
(437842.1,	3725900.5,	220.2,	262.0,	0.0);	(437828.7,	3725907.4,	220.8,	263.0,	0.0);
(437815.3,	3725914.2,	222.1,	263.0,	0.0);	(437801.8,	3725921.1,	222.9,	263.0,	0.0);
(437788.4,	3725927.9,	223.8,	263.0,	0.0);	(437690.4,	3725923.8,	233.8,	262.0,	0.0);
(437676.1,	3725919.1,	236.3,	262.0,	0.0);	(437878.1,	3725913.3,	220.0,	262.0,	0.0);
(437864.7,	3725920.1,	220.6,	262.0,	0.0);	(437851.2,	3725927.0,	221.3,	262.0,	0.0);
(437837.8,	3725933.8,	222.2,	263.0,	0.0);	(437824.3,	3725940.7,	223.2,	263.0,	0.0);
(437810.9,	3725947.5,	224.1,	263.0,	0.0);	(437797.5,	3725954.4,	224.9,	263.0,	0.0);
(437735.6,	3725967.9,	227.1,	263.0,	0.0);	(437721.3,	3725963.2,	228.7,	263.0,	0.0);
(437707.0,	3725958.4,	230.3,	263.0,	0.0);	(437692.6,	3725953.7,	232.3,	263.0,	0.0);
(437678.3,	3725949.0,	234.5,	262.0,	0.0);	(437664.0,	3725944.3,	237.0,	262.0,	0.0);
(437649.6,	3725939.6,	239.6,	262.0,	0.0);	(437846.9,	3725960.3,	223.1,	263.0,	0.0);
(437833.5,	3725967.1,	224.5,	263.0,	0.0);	(437820.0,	3725974.0,	225.5,	263.0,	0.0);
(437723.6,	3725993.1,	228.6,	263.0,	0.0);	(437709.2,	3725988.3,	230.0,	263.0,	0.0);
(437694.9,	3725983.6,	231.1,	263.0,	0.0);	(437680.5,	3725978.9,	232.4,	263.0,	0.0);
(437666.2,	3725974.2,	235.6,	263.0,	0.0);	(437651.8,	3725969.5,	238.6,	262.0,	0.0);
(437637.5,	3725964.8,	240.4,	262.0,	0.0);	(437623.1,	3725960.1,	242.3,	262.0,	0.0);
(437802.1,	3726014.2,	230.5,	263.0,	0.0);	(437788.7,	3726021.0,	231.5,	263.0,	0.0);
(437775.2,	3726027.9,	232.7,	263.0,	0.0);	(437697.1,	3726013.5,	230.5,	263.0,	0.0);
(437682.8,	3726008.8,	231.1,	263.0,	0.0);	(437668.4,	3726004.1,	233.8,	263.0,	0.0);
(437654.0,	3725999.4,	237.1,	263.0,	0.0);	(437953.6,	3725978.5,	221.9,	262.0,	0.0);
(437940.1,	3725985.3,	221.0,	262.0,	0.0);	(437926.6,	3725992.2,	220.1,	262.0,	0.0);
(437913.1,	3725999.1,	220.4,	263.0,	0.0);	(437899.6,	3726005.9,	221.9,	263.0,	0.0);
(437805.3,	3726054.0,	234.9,	262.0,	0.0);	(437791.8,	3726060.9,	237.5,	262.0,	0.0);
(437778.3,	3726067.8,	240.6,	262.0,	0.0);	(437983.8,	3726004.5,	226.7,	240.0,	0.0);
(437970.3,	3726011.4,	225.8,	257.0,	0.0);	(437956.8,	3726018.2,	224.8,	262.0,	0.0);
(437943.3,	3726025.1,	223.7,	262.0,	0.0);	(437929.8,	3726032.0,	222.9,	262.0,	0.0);
(437916.3,	3726038.9,	222.7,	263.0,	0.0);	(437902.8,	3726045.8,	223.5,	263.0,	0.0);
(437889.3,	3726052.6,	224.0,	263.0,	0.0);	(438014.0,	3726030.5,	232.5,	239.0,	0.0);
(438000.5,	3726037.4,	231.0,	240.0,	0.0);	(437987.0,	3726044.3,	229.2,	243.0,	0.0);
(437973.5,	3726051.2,	227.6,	255.0,	0.0);	(437960.0,	3726058.1,	226.4,	262.0,	0.0);
(437946.5,	3726064.9,	225.4,	262.0,	0.0);	(437933.0,	3726071.8,	224.3,	262.0,	0.0);
(437919.5,	3726078.7,	223.1,	263.0,	0.0);	(437906.0,	3726085.6,	223.5,	263.0,	0.0);
(437677.4,	3726123.6,	254.8,	262.0,	0.0);	(437663.0,	3726118.9,	256.2,	262.0,	0.0);
(437648.6,	3726114.2,	257.1,	262.0,	0.0);	(437634.2,	3726109.5,	258.7,	262.0,	0.0);
(438044.3,	3726056.5,	237.7,	237.7,	0.0);	(438030.8,	3726063.4,	237.3,	239.0,	0.0);
(438017.3,	3726070.3,	235.7,	240.0,	0.0);	(438003.8,	3726077.2,	233.9,	240.0,	0.0);
(437990.3,	3726084.1,	231.4,	243.0,	0.0);	(437976.8,	3726091.0,	229.2,	243.0,	0.0);
(437963.2,	3726097.9,	227.7,	257.0,	0.0);	(437949.7,	3726104.8,	226.0,	262.0,	0.0);
(437936.2,	3726111.6,	225.1,	262.0,	0.0);	(437922.7,	3726118.5,	224.2,	263.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437909.2,	3726125.4,	223.7,	263.0,	0.0);	(437895.7,	3726132.3,	223.2,	263.0,	0.0);
(437882.2,	3726139.2,	223.6,	263.0,	0.0);	(437666.0,	3726158.8,	250.5,	262.0,	0.0);
(437651.5,	3726154.0,	254.8,	262.0,	0.0);	(437637.1,	3726149.3,	258.1,	262.0,	0.0);
(437622.7,	3726144.6,	261.1,	261.1,	0.0);	(438074.6,	3726082.6,	234.3,	240.0,	0.0);
(438061.1,	3726089.4,	236.6,	240.0,	0.0);	(438047.6,	3726096.3,	238.6,	240.0,	0.0);
(438034.1,	3726103.2,	239.2,	240.0,	0.0);	(438020.5,	3726110.1,	237.5,	240.0,	0.0);
(438007.0,	3726117.0,	235.9,	243.0,	0.0);	(437993.5,	3726123.9,	233.4,	243.0,	0.0);
(437980.0,	3726130.8,	230.9,	245.0,	0.0);	(437966.4,	3726137.7,	228.8,	255.0,	0.0);
(437952.9,	3726144.6,	226.8,	262.0,	0.0);	(437939.4,	3726151.5,	225.7,	262.0,	0.0);
(437925.9,	3726158.4,	224.6,	263.0,	0.0);	(437912.3,	3726165.2,	224.0,	263.0,	0.0);
(437898.8,	3726172.1,	224.1,	263.0,	0.0);	(437885.3,	3726179.0,	224.5,	263.0,	0.0);
(437871.8,	3726185.9,	224.9,	263.0,	0.0);	(437858.2,	3726192.8,	225.1,	263.0,	0.0);
(437844.7,	3726199.7,	225.7,	263.0,	0.0);	(437831.2,	3726206.6,	226.6,	263.0,	0.0);
(437817.7,	3726213.5,	228.1,	263.0,	0.0);	(437611.3,	3726179.7,	259.6,	259.6,	0.0);
(437596.9,	3726174.9,	260.5,	260.5,	0.0);	(437582.4,	3726170.2,	259.9,	261.0,	0.0);
(438348.6,	3725984.4,	227.2,	230.0,	0.0);	(438094.5,	3726113.9,	232.7,	245.0,	0.0);
(438081.1,	3726120.7,	234.8,	243.0,	0.0);	(438067.7,	3726127.5,	236.9,	243.0,	0.0);
(438054.4,	3726134.3,	238.5,	243.0,	0.0);	(438041.0,	3726141.1,	240.4,	243.0,	0.0);
(438027.6,	3726148.0,	239.7,	243.0,	0.0);	(438014.2,	3726154.8,	238.3,	243.0,	0.0);
(438000.9,	3726161.6,	235.9,	243.0,	0.0);	(437987.5,	3726168.4,	232.9,	245.0,	0.0);
(437974.1,	3726175.2,	230.5,	246.0,	0.0);	(437960.7,	3726182.0,	228.7,	255.0,	0.0);
(437947.4,	3726188.9,	226.8,	262.0,	0.0);	(437934.0,	3726195.7,	225.4,	262.0,	0.0);
(437920.6,	3726202.5,	224.3,	263.0,	0.0);	(437907.2,	3726209.3,	225.0,	263.0,	0.0);
(437893.9,	3726216.1,	226.1,	263.0,	0.0);	(437616.2,	3726220.2,	257.5,	262.0,	0.0);
(437601.9,	3726215.5,	259.5,	262.0,	0.0);	(437587.7,	3726210.8,	261.1,	261.1,	0.0);
(437573.4,	3726206.1,	261.6,	261.6,	0.0);	(437559.1,	3726201.4,	262.1,	262.1,	0.0);
(438360.2,	3725975.2,	228.8,	228.8,	0.0);	(438370.0,	3725963.7,	230.0,	230.0,	0.0);
(438379.0,	3726010.3,	229.0,	229.0,	0.0);	(438365.6,	3726017.2,	227.5,	228.0,	0.0);
(438352.3,	3726024.0,	225.6,	232.0,	0.0);	(438338.9,	3726030.8,	223.9,	232.0,	0.0);
(438325.5,	3726037.6,	222.2,	232.0,	0.0);	(438312.1,	3726044.4,	221.1,	232.0,	0.0);
(438298.7,	3726051.3,	221.1,	221.1,	0.0);	(438124.7,	3726140.0,	229.9,	246.0,	0.0);
(438111.3,	3726146.8,	231.9,	245.0,	0.0);	(438097.9,	3726153.6,	234.0,	245.0,	0.0);
(438084.5,	3726160.4,	236.1,	245.0,	0.0);	(438071.1,	3726167.2,	238.0,	245.0,	0.0);
(438057.7,	3726174.1,	240.6,	243.0,	0.0);	(438044.3,	3726180.9,	242.5,	242.5,	0.0);
(438030.9,	3726187.7,	241.6,	243.0,	0.0);	(438017.6,	3726194.5,	239.3,	243.0,	0.0);
(438004.2,	3726201.4,	236.9,	245.0,	0.0);	(437990.8,	3726208.2,	234.2,	246.0,	0.0);
(437977.4,	3726215.0,	231.7,	246.0,	0.0);	(437964.0,	3726221.8,	229.9,	246.0,	0.0);
(437950.6,	3726228.6,	228.2,	246.0,	0.0);	(437937.2,	3726235.5,	227.2,	262.0,	0.0);
(437923.8,	3726242.3,	226.4,	263.0,	0.0);	(437776.1,	3726311.6,	242.4,	257.0,	0.0);
(437761.8,	3726306.9,	242.6,	262.0,	0.0);	(437747.6,	3726302.2,	242.6,	263.0,	0.0);
(437733.3,	3726297.5,	243.1,	263.0,	0.0);	(437604.8,	3726255.3,	254.7,	263.0,	0.0);
(438409.5,	3726036.3,	228.0,	228.0,	0.0);	(438396.1,	3726043.1,	226.3,	243.0,	0.0);
(438382.7,	3726049.9,	225.2,	243.0,	0.0);	(438369.3,	3726056.8,	224.6,	230.0,	0.0);
(438355.9,	3726063.6,	223.5,	230.0,	0.0);	(438342.5,	3726070.4,	222.4,	222.4,	0.0);
(438329.1,	3726077.2,	222.0,	222.0,	0.0);	(438315.7,	3726084.1,	222.0,	222.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438302.3,	3726090.9,	221.9,	244.0,	0.0);	(438288.9,	3726097.7,	221.8,	245.0,	0.0);
(438275.5,	3726104.6,	222.0,	245.0,	0.0);	(438262.1,	3726111.4,	222.3,	245.0,	0.0);
(438248.7,	3726118.2,	222.8,	245.0,	0.0);	(438235.3,	3726125.0,	223.4,	245.0,	0.0);
(438128.1,	3726179.7,	235.2,	245.0,	0.0);	(438114.7,	3726186.5,	236.9,	245.0,	0.0);
(438101.3,	3726193.3,	237.8,	245.0,	0.0);	(438087.9,	3726200.2,	240.3,	245.0,	0.0);
(438074.5,	3726207.0,	242.7,	245.0,	0.0);	(438061.1,	3726213.8,	243.4,	245.0,	0.0);
(438047.7,	3726220.6,	242.8,	242.8,	0.0);	(438034.3,	3726227.5,	241.3,	245.0,	0.0);
(438020.9,	3726234.3,	239.6,	245.0,	0.0);	(438007.5,	3726241.1,	237.6,	246.0,	0.0);
(437994.0,	3726248.0,	235.3,	246.0,	0.0);	(437980.6,	3726254.8,	233.1,	246.0,	0.0);
(437967.2,	3726261.6,	231.6,	248.0,	0.0);	(437953.8,	3726268.4,	230.3,	252.0,	0.0);
(437940.5,	3726275.3,	229.9,	257.0,	0.0);	(437927.0,	3726282.1,	229.9,	257.0,	0.0);
(437913.6,	3726288.9,	230.7,	257.0,	0.0);	(437873.4,	3726309.4,	237.2,	257.0,	0.0);
(437860.0,	3726316.2,	239.0,	239.0,	0.0);	(437846.6,	3726323.1,	239.5,	257.0,	0.0);
(437806.4,	3726343.6,	244.2,	257.0,	0.0);	(437793.0,	3726350.4,	245.1,	257.0,	0.0);
(437779.2,	3726351.5,	245.9,	257.0,	0.0);	(437764.9,	3726346.8,	247.2,	257.0,	0.0);
(437750.6,	3726342.1,	247.8,	257.0,	0.0);	(437736.3,	3726337.4,	248.2,	257.0,	0.0);
(437722.0,	3726332.7,	249.2,	257.0,	0.0);	(437707.7,	3726328.0,	250.5,	257.0,	0.0);
(437693.5,	3726323.3,	252.0,	257.0,	0.0);	(438421.1,	3726027.1,	229.3,	229.3,	0.0);
(438431.0,	3726015.5,	230.0,	230.0,	0.0);	(437863.2,	3726356.1,	240.2,	240.2,	0.0);
(437849.8,	3726362.9,	241.7,	241.7,	0.0);	(437836.3,	3726369.8,	242.7,	242.7,	0.0);
(437822.9,	3726376.6,	243.0,	243.0,	0.0);	(437809.5,	3726383.4,	242.5,	257.0,	0.0);
(437796.1,	3726390.3,	241.2,	257.0,	0.0);	(437782.3,	3726391.3,	241.3,	257.0,	0.0);
(437768.0,	3726386.6,	242.5,	257.0,	0.0);	(437753.6,	3726381.9,	245.2,	257.0,	0.0);
(437739.3,	3726377.2,	247.9,	257.0,	0.0);	(437725.0,	3726372.5,	250.4,	257.0,	0.0);
(437710.8,	3726367.8,	252.6,	257.0,	0.0);	(437696.4,	3726363.1,	254.3,	257.0,	0.0);
(437682.1,	3726358.4,	256.2,	256.2,	0.0);	(437667.8,	3726353.8,	254.3,	257.0,	0.0);
(438461.4,	3726041.4,	230.1,	243.0,	0.0);	(437799.2,	3726430.1,	237.4,	257.0,	0.0);
(437785.3,	3726431.2,	235.7,	257.0,	0.0);	(437771.0,	3726426.5,	235.1,	258.0,	0.0);
(437756.7,	3726421.8,	237.6,	257.0,	0.0);	(437742.4,	3726417.1,	240.4,	257.0,	0.0);
(437728.1,	3726412.4,	243.0,	257.0,	0.0);	(437713.8,	3726407.7,	245.3,	257.0,	0.0);
(437699.4,	3726403.0,	247.1,	257.0,	0.0);	(437685.1,	3726398.3,	249.1,	257.0,	0.0);
(437670.8,	3726393.6,	249.0,	257.0,	0.0);	(437656.5,	3726388.9,	246.8,	257.0,	0.0);
(437642.2,	3726384.2,	243.7,	263.0,	0.0);	(437627.9,	3726379.5,	240.2,	263.0,	0.0);
(437912.0,	3725196.1,	211.7,	220.0,	0.0);	(437925.1,	3725180.9,	210.1,	220.0,	0.0);
(437944.6,	3725158.2,	208.4,	208.4,	0.0);	(438044.9,	3725104.5,	208.1,	255.0,	0.0);
(438051.5,	3725117.5,	208.0,	255.0,	0.0);	(438058.2,	3725130.6,	207.8,	255.0,	0.0);
(438064.5,	3725081.8,	208.8,	255.0,	0.0);	(438071.1,	3725094.9,	208.7,	255.0,	0.0);
(438077.8,	3725108.0,	208.5,	255.0,	0.0);	(438084.4,	3725121.0,	208.4,	255.0,	0.0);
(438117.6,	3725186.4,	207.7,	252.0,	0.0);	(438124.2,	3725199.5,	208.0,	252.0,	0.0);
(438084.1,	3725059.1,	209.4,	255.0,	0.0);	(438090.7,	3725072.2,	209.3,	255.0,	0.0);
(438097.4,	3725085.3,	209.0,	255.0,	0.0);	(438104.0,	3725098.4,	209.1,	255.0,	0.0);
(438130.6,	3725150.8,	208.9,	252.0,	0.0);	(438137.3,	3725163.9,	208.7,	252.0,	0.0);
(438144.0,	3725177.0,	208.5,	252.0,	0.0);	(438150.6,	3725190.1,	208.7,	252.0,	0.0);
(438157.3,	3725203.2,	208.9,	252.0,	0.0);	(438163.9,	3725216.3,	209.4,	252.0,	0.0);
(438117.0,	3725062.7,	209.9,	255.0,	0.0);	(438123.6,	3725075.8,	209.9,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438150.3,	3725128.3,	209.7,	255.0,	0.0);	(438157.0,	3725141.5,	209.9,	255.0,	0.0);
(438163.6,	3725154.6,	209.8,	252.0,	0.0);	(438170.3,	3725167.7,	209.5,	252.0,	0.0);
(438177.0,	3725180.9,	209.6,	252.0,	0.0);	(438183.6,	3725194.0,	209.8,	252.0,	0.0);
(438190.3,	3725207.1,	210.1,	252.0,	0.0);	(438190.0,	3725145.3,	210.0,	252.0,	0.0);
(438196.7,	3725158.4,	210.3,	252.0,	0.0);	(438203.4,	3725171.6,	210.9,	252.0,	0.0);
(438210.0,	3725184.7,	211.4,	252.0,	0.0);	(438243.5,	3725250.5,	212.8,	212.8,	0.0);
(438250.1,	3725263.7,	213.0,	225.0,	0.0);	(438261.0,	3725223.9,	213.6,	252.0,	0.0);
(438267.6,	3725236.9,	214.2,	225.0,	0.0);	(438274.2,	3725249.8,	214.3,	227.0,	0.0);
(438280.8,	3725262.8,	214.3,	227.0,	0.0);	(438287.4,	3725275.8,	214.6,	227.0,	0.0);
(438294.0,	3725288.7,	214.4,	227.0,	0.0);	(438155.4,	3724934.2,	226.7,	255.0,	0.0);
(438175.2,	3724973.2,	218.3,	255.0,	0.0);	(438181.8,	3724986.3,	215.3,	255.0,	0.0);
(438188.4,	3724999.3,	212.9,	255.0,	0.0);	(438195.0,	3725012.3,	212.5,	255.0,	0.0);
(438201.6,	3725025.3,	212.0,	255.0,	0.0);	(438208.2,	3725038.3,	211.9,	255.0,	0.0);
(438214.8,	3725051.3,	211.9,	255.0,	0.0);	(438307.3,	3725233.4,	218.5,	225.0,	0.0);
(438313.9,	3725246.4,	219.0,	225.0,	0.0);	(438360.1,	3725337.4,	215.6,	265.0,	0.0);
(438366.8,	3725350.4,	214.6,	265.0,	0.0);	(438146.5,	3724922.9,	225.7,	255.0,	0.0);
(438221.2,	3724982.1,	216.9,	255.0,	0.0);	(438227.8,	3724995.2,	214.6,	255.0,	0.0);
(438234.4,	3725008.2,	214.5,	255.0,	0.0);	(438241.1,	3725021.2,	213.9,	255.0,	0.0);
(438247.7,	3725034.3,	213.6,	265.0,	0.0);	(438254.3,	3725047.3,	213.4,	265.0,	0.0);
(438260.9,	3725060.4,	212.8,	265.0,	0.0);	(438280.8,	3725099.5,	212.0,	265.0,	0.0);
(438287.4,	3725112.5,	212.3,	265.0,	0.0);	(438294.0,	3725125.6,	212.8,	265.0,	0.0);
(438386.7,	3725308.1,	222.2,	234.0,	0.0);	(438393.4,	3725321.2,	219.9,	245.0,	0.0);
(438400.0,	3725334.2,	218.2,	265.0,	0.0);	(438406.6,	3725347.2,	217.3,	265.0,	0.0);
(438411.0,	3725367.2,	216.4,	265.0,	0.0);	(438406.5,	3725381.2,	215.6,	265.0,	0.0);
(438172.5,	3724892.6,	227.0,	255.0,	0.0);	(438267.3,	3724991.2,	220.7,	255.0,	0.0);
(438273.9,	3725004.3,	219.3,	255.0,	0.0);	(438280.5,	3725017.3,	218.2,	255.0,	0.0);
(438287.2,	3725030.4,	216.7,	265.0,	0.0);	(438293.8,	3725043.5,	215.2,	265.0,	0.0);
(438307.1,	3725069.6,	213.5,	268.0,	0.0);	(438313.7,	3725082.7,	213.2,	268.0,	0.0);
(438320.4,	3725095.8,	213.5,	268.0,	0.0);	(438327.0,	3725108.8,	214.0,	268.0,	0.0);
(438333.6,	3725121.9,	214.8,	268.0,	0.0);	(438340.3,	3725135.0,	215.7,	268.0,	0.0);
(438346.9,	3725148.0,	216.4,	266.0,	0.0);	(438353.5,	3725161.1,	217.5,	266.0,	0.0);
(438360.2,	3725174.2,	218.6,	265.0,	0.0);	(438366.8,	3725187.2,	219.7,	265.0,	0.0);
(438450.8,	3725364.1,	218.4,	265.0,	0.0);	(438446.3,	3725378.1,	217.8,	265.0,	0.0);
(438441.8,	3725392.0,	217.4,	265.0,	0.0);	(438437.3,	3725406.0,	217.3,	265.0,	0.0);
(438432.8,	3725419.9,	217.0,	245.0,	0.0);	(438340.0,	3725052.8,	215.4,	268.0,	0.0);
(438346.6,	3725065.9,	215.1,	268.0,	0.0);	(438353.3,	3725079.0,	215.2,	268.0,	0.0);
(438360.0,	3725092.1,	215.4,	268.0,	0.0);	(438366.6,	3725105.2,	215.9,	268.0,	0.0);
(438373.3,	3725118.3,	216.3,	268.0,	0.0);	(438379.9,	3725131.4,	217.0,	268.0,	0.0);
(438386.6,	3725144.5,	217.5,	268.0,	0.0);	(438393.2,	3725157.6,	218.6,	268.0,	0.0);
(438399.9,	3725170.7,	219.7,	268.0,	0.0);	(438406.5,	3725183.8,	220.7,	268.0,	0.0);
(438413.2,	3725196.9,	221.8,	266.0,	0.0);	(438419.8,	3725210.0,	223.0,	265.0,	0.0);
(438426.5,	3725223.1,	224.1,	265.0,	0.0);	(438433.1,	3725236.2,	225.1,	265.0,	0.0);
(438439.8,	3725249.3,	227.0,	265.0,	0.0);	(438446.4,	3725262.4,	229.2,	234.0,	0.0);
(438477.1,	3725402.9,	218.9,	265.0,	0.0);	(438472.6,	3725416.9,	218.9,	265.0,	0.0);
(438468.1,	3725430.9,	218.9,	245.0,	0.0);	(438463.5,	3725444.9,	219.1,	245.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438379.6,	3725049.1,	217.6,	268.0,	0.0);	(438386.2,	3725062.2,	217.5,	268.0,	0.0);
(438392.9,	3725075.3,	217.6,	268.0,	0.0);	(438399.6,	3725088.5,	218.0,	268.0,	0.0);
(438406.2,	3725101.6,	218.2,	268.0,	0.0);	(438412.9,	3725114.7,	218.4,	268.0,	0.0);
(438419.6,	3725127.8,	218.9,	268.0,	0.0);	(438426.2,	3725140.9,	219.6,	268.0,	0.0);
(438432.9,	3725154.1,	220.4,	268.0,	0.0);	(438439.6,	3725167.2,	221.0,	268.0,	0.0);
(438446.2,	3725180.3,	221.8,	268.0,	0.0);	(438452.9,	3725193.4,	222.9,	268.0,	0.0);
(438459.6,	3725206.6,	224.0,	268.0,	0.0);	(438466.2,	3725219.7,	225.0,	268.0,	0.0);
(438472.9,	3725232.8,	226.9,	265.0,	0.0);	(438479.5,	3725245.9,	229.6,	265.0,	0.0);
(438486.2,	3725259.1,	232.5,	234.0,	0.0);	(438492.9,	3725272.2,	233.7,	233.7,	0.0);
(438499.5,	3725285.3,	233.3,	233.3,	0.0);	(438506.2,	3725298.4,	233.2,	238.0,	0.0);
(438512.9,	3725311.5,	232.1,	245.0,	0.0);	(438519.5,	3725324.7,	232.1,	245.0,	0.0);
(438526.2,	3725337.8,	230.1,	245.0,	0.0);	(438507.9,	3725427.9,	221.0,	245.0,	0.0);
(438503.4,	3725441.9,	220.5,	245.0,	0.0);	(438498.8,	3725455.9,	220.3,	245.0,	0.0);
(438494.3,	3725469.9,	220.2,	245.0,	0.0);	(438412.5,	3725032.3,	219.6,	268.0,	0.0);
(438419.2,	3725045.4,	219.2,	268.0,	0.0);	(438425.9,	3725058.6,	218.9,	268.0,	0.0);
(438432.5,	3725071.7,	219.2,	268.0,	0.0);	(438439.2,	3725084.9,	219.6,	268.0,	0.0);
(438445.9,	3725098.0,	220.1,	268.0,	0.0);	(438452.6,	3725111.2,	220.5,	268.0,	0.0);
(438459.3,	3725124.3,	221.0,	268.0,	0.0);	(438465.9,	3725137.5,	221.3,	268.0,	0.0);
(438472.6,	3725150.6,	221.6,	268.0,	0.0);	(438479.3,	3725163.8,	222.2,	268.0,	0.0);
(438486.0,	3725176.9,	222.9,	268.0,	0.0);	(438492.6,	3725190.0,	222.6,	268.0,	0.0);
(438499.3,	3725203.2,	222.1,	268.0,	0.0);	(438506.0,	3725216.3,	224.2,	268.0,	0.0);
(438512.7,	3725229.5,	226.9,	268.0,	0.0);	(438519.3,	3725242.6,	228.9,	266.0,	0.0);
(438526.0,	3725255.8,	230.3,	265.0,	0.0);	(438532.7,	3725268.9,	232.0,	265.0,	0.0);
(438539.4,	3725282.1,	234.2,	243.0,	0.0);	(438546.0,	3725295.2,	237.3,	238.0,	0.0);
(438552.7,	3725308.4,	237.0,	243.0,	0.0);	(438559.4,	3725321.5,	236.3,	245.0,	0.0);
(438566.1,	3725334.6,	235.4,	245.0,	0.0);	(438570.5,	3725354.8,	233.0,	245.0,	0.0);
(438565.9,	3725368.8,	229.8,	245.0,	0.0);	(438561.4,	3725382.9,	226.8,	265.0,	0.0);
(438534.1,	3725467.0,	221.5,	275.0,	0.0);	(438529.5,	3725481.0,	221.2,	245.0,	0.0);
(438525.0,	3725495.1,	220.6,	245.0,	0.0);	(438520.5,	3725509.1,	220.0,	245.0,	0.0);
(438379.5,	3725943.9,	228.0,	230.0,	0.0);	(438452.1,	3725028.7,	221.6,	268.0,	0.0);
(438458.8,	3725041.8,	221.4,	268.0,	0.0);	(438465.5,	3725055.0,	221.8,	268.0,	0.0);
(438472.2,	3725068.2,	222.5,	268.0,	0.0);	(438478.9,	3725081.3,	223.0,	268.0,	0.0);
(438485.6,	3725094.5,	223.6,	268.0,	0.0);	(438492.3,	3725107.7,	224.2,	268.0,	0.0);
(438499.0,	3725120.8,	224.3,	268.0,	0.0);	(438505.6,	3725134.0,	223.9,	268.0,	0.0);
(438512.3,	3725147.2,	223.5,	268.0,	0.0);	(438519.0,	3725160.3,	224.0,	268.0,	0.0);
(438525.7,	3725173.5,	223.8,	268.0,	0.0);	(438532.4,	3725186.7,	223.3,	275.0,	0.0);
(438539.1,	3725199.8,	223.3,	275.0,	0.0);	(438545.8,	3725213.0,	224.3,	275.0,	0.0);
(438552.5,	3725226.2,	225.4,	275.0,	0.0);	(438559.1,	3725239.3,	226.9,	275.0,	0.0);
(438565.8,	3725252.5,	229.3,	268.0,	0.0);	(438572.5,	3725265.7,	231.7,	265.0,	0.0);
(438579.2,	3725278.8,	235.0,	265.0,	0.0);	(438585.9,	3725292.0,	238.0,	245.0,	0.0);
(438592.6,	3725305.2,	239.4,	245.0,	0.0);	(438599.2,	3725318.3,	240.7,	245.0,	0.0);
(438605.9,	3725331.5,	241.8,	243.0,	0.0);	(438610.3,	3725351.7,	240.5,	245.0,	0.0);
(438605.8,	3725365.7,	236.8,	245.0,	0.0);	(438601.2,	3725379.8,	232.5,	245.0,	0.0);
(438596.7,	3725393.8,	229.1,	275.0,	0.0);	(438592.1,	3725407.9,	226.6,	275.0,	0.0);
(438560.2,	3725506.2,	221.4,	275.0,	0.0);	(438555.7,	3725520.3,	220.7,	275.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438551.1,	3725534.3,	220.1,	275.0,	0.0);	(438490.2,	3725021.9,	224.9,	268.0,	0.0);
(438496.8,	3725034.9,	225.7,	268.0,	0.0);	(438503.4,	3725048.0,	226.4,	268.0,	0.0);
(438510.0,	3725061.0,	227.0,	268.0,	0.0);	(438516.7,	3725074.1,	227.7,	268.0,	0.0);
(438523.3,	3725087.1,	228.3,	268.0,	0.0);	(438529.9,	3725100.2,	227.9,	268.0,	0.0);
(438536.5,	3725113.2,	227.4,	268.0,	0.0);	(438543.2,	3725126.3,	226.6,	268.0,	0.0);
(438549.8,	3725139.3,	225.7,	268.0,	0.0);	(438556.4,	3725152.3,	224.8,	275.0,	0.0);
(438563.0,	3725165.4,	223.9,	275.0,	0.0);	(438569.7,	3725178.4,	223.1,	275.0,	0.0);
(438576.3,	3725191.5,	223.5,	275.0,	0.0);	(438582.9,	3725204.5,	224.0,	275.0,	0.0);
(438589.5,	3725217.6,	225.2,	275.0,	0.0);	(438596.2,	3725230.6,	226.5,	275.0,	0.0);
(438602.8,	3725243.7,	228.3,	275.0,	0.0);	(438609.4,	3725256.7,	230.4,	275.0,	0.0);
(438616.1,	3725269.8,	232.7,	275.0,	0.0);	(438622.7,	3725282.8,	235.7,	265.0,	0.0);
(438629.3,	3725295.9,	238.9,	245.0,	0.0);	(438635.9,	3725308.9,	241.5,	245.0,	0.0);
(438642.6,	3725322.0,	244.1,	245.0,	0.0);	(438649.2,	3725335.0,	244.6,	244.6,	0.0);
(438650.2,	3725348.5,	244.4,	244.4,	0.0);	(438645.7,	3725362.4,	242.9,	244.0,	0.0);
(438641.2,	3725376.3,	240.0,	245.0,	0.0);	(438636.7,	3725390.3,	236.2,	245.0,	0.0);
(438632.2,	3725404.2,	231.5,	275.0,	0.0);	(438627.7,	3725418.1,	227.6,	275.0,	0.0);
(438623.2,	3725432.0,	226.1,	276.0,	0.0);	(438618.6,	3725445.9,	225.0,	289.0,	0.0);
(438587.1,	3725543.4,	221.2,	289.0,	0.0);	(438582.5,	3725557.3,	221.0,	289.0,	0.0);
(438578.0,	3725571.2,	220.8,	289.0,	0.0);	(438438.1,	3726002.8,	229.8,	229.8,	0.0);
(438529.8,	3725018.2,	229.1,	268.0,	0.0);	(438536.4,	3725031.3,	230.2,	268.0,	0.0);
(438543.0,	3725044.3,	231.1,	268.0,	0.0);	(438549.7,	3725057.4,	232.0,	268.0,	0.0);
(438556.3,	3725070.5,	232.4,	268.0,	0.0);	(438562.9,	3725083.5,	232.5,	268.0,	0.0);
(438569.6,	3725096.6,	232.0,	268.0,	0.0);	(438576.2,	3725109.7,	231.3,	268.0,	0.0);
(438582.9,	3725122.8,	230.1,	268.0,	0.0);	(438589.5,	3725135.8,	228.6,	275.0,	0.0);
(438596.1,	3725148.9,	227.3,	275.0,	0.0);	(438602.8,	3725162.0,	225.9,	275.0,	0.0);
(438609.4,	3725175.0,	224.2,	275.0,	0.0);	(438616.0,	3725188.1,	224.5,	275.0,	0.0);
(438622.7,	3725201.2,	224.3,	275.0,	0.0);	(438629.3,	3725214.2,	224.8,	275.0,	0.0);
(438636.0,	3725227.3,	226.1,	275.0,	0.0);	(438642.6,	3725240.4,	227.6,	275.0,	0.0);
(438649.2,	3725253.5,	229.3,	275.0,	0.0);	(438655.9,	3725266.5,	231.1,	275.0,	0.0);
(438662.5,	3725279.6,	234.2,	275.0,	0.0);	(438669.1,	3725292.7,	237.2,	275.0,	0.0);
(438675.8,	3725305.7,	239.6,	245.0,	0.0);	(438682.4,	3725318.8,	242.0,	244.0,	0.0);
(438689.1,	3725331.9,	243.7,	243.7,	0.0);	(438690.1,	3725345.4,	244.4,	244.4,	0.0);
(438685.6,	3725359.3,	244.4,	244.4,	0.0);	(438681.1,	3725373.3,	241.6,	245.0,	0.0);
(438676.5,	3725387.2,	238.8,	245.0,	0.0);	(438672.0,	3725401.2,	235.5,	275.0,	0.0);
(438667.5,	3725415.1,	232.0,	275.0,	0.0);	(438663.0,	3725429.1,	228.6,	289.0,	0.0);
(438658.5,	3725443.0,	225.6,	289.0,	0.0);	(438654.0,	3725456.9,	224.6,	289.0,	0.0);
(438649.4,	3725470.9,	224.2,	289.0,	0.0);	(438644.9,	3725484.8,	223.7,	289.0,	0.0);
(438613.3,	3725582.5,	221.1,	289.0,	0.0);	(438504.8,	3725917.1,	224.0,	224.0,	0.0);
(438500.2,	3725931.1,	224.2,	243.0,	0.0);	(438495.7,	3725945.0,	224.6,	243.0,	0.0);
(438491.2,	3725959.0,	225.1,	249.0,	0.0);	(438486.7,	3725972.9,	225.7,	249.0,	0.0);
(438482.2,	3725986.9,	226.6,	249.0,	0.0);	(438477.6,	3726000.8,	228.1,	243.0,	0.0);
(438473.1,	3726014.8,	229.4,	243.0,	0.0);	(438468.6,	3726028.7,	230.1,	243.0,	0.0);
(438576.0,	3725027.6,	236.4,	268.0,	0.0);	(438582.7,	3725040.7,	237.6,	268.0,	0.0);
(438589.3,	3725053.8,	239.2,	268.0,	0.0);	(438596.0,	3725066.9,	239.0,	268.0,	0.0);
(438602.6,	3725080.0,	237.5,	268.0,	0.0);	(438609.3,	3725093.1,	236.0,	268.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438615.9,	3725106.2,	234.8,	268.0,	0.0);	(	438622.6,	3725119.3,	233.5,	268.0,	0.0);
(	438629.2,	3725132.4,	232.5,	275.0,	0.0);	(	438635.9,	3725145.5,	231.7,	275.0,	0.0);
(	438642.5,	3725158.6,	230.8,	275.0,	0.0);	(	438649.1,	3725171.6,	230.1,	275.0,	0.0);
(	438655.8,	3725184.7,	229.1,	275.0,	0.0);	(	438662.5,	3725197.8,	227.2,	275.0,	0.0);
(	438669.1,	3725210.9,	226.1,	276.0,	0.0);	(	438675.7,	3725224.0,	227.3,	276.0,	0.0);
(	438682.4,	3725237.1,	228.4,	276.0,	0.0);	(	438689.0,	3725250.2,	229.9,	275.0,	0.0);
(	438695.7,	3725263.3,	230.9,	276.0,	0.0);	(	438702.3,	3725276.4,	232.8,	275.0,	0.0);
(	438709.0,	3725289.5,	235.0,	275.0,	0.0);	(	438715.6,	3725302.6,	237.1,	275.0,	0.0);
(	438722.3,	3725315.7,	238.6,	275.0,	0.0);	(	438728.9,	3725328.8,	239.4,	275.0,	0.0);
(	438730.0,	3725342.3,	240.6,	275.0,	0.0);	(	438725.5,	3725356.2,	242.4,	275.0,	0.0);
(	438720.9,	3725370.2,	240.7,	275.0,	0.0);	(	438716.4,	3725384.2,	238.8,	275.0,	0.0);
(	438711.9,	3725398.1,	236.4,	275.0,	0.0);	(	438707.3,	3725412.1,	233.8,	276.0,	0.0);
(	438702.8,	3725426.1,	231.0,	289.0,	0.0);	(	438698.3,	3725440.0,	228.1,	289.0,	0.0);
(	438693.8,	3725454.0,	225.9,	289.0,	0.0);	(	438689.2,	3725468.0,	224.6,	289.0,	0.0);
(	438684.7,	3725481.9,	223.9,	289.0,	0.0);	(	438680.2,	3725495.9,	223.6,	289.0,	0.0);
(	438675.6,	3725509.9,	223.2,	289.0,	0.0);	(	438671.1,	3725523.8,	223.1,	289.0,	0.0);
(	438666.6,	3725537.8,	223.0,	289.0,	0.0);	(	438594.1,	3725761.3,	223.8,	223.8,	0.0);
(	438589.6,	3725775.3,	224.0,	224.0,	0.0);	(	438557.9,	3725873.0,	225.0,	225.0,	0.0);
(	438553.4,	3725887.0,	225.0,	225.0,	0.0);	(	438548.9,	3725901.0,	225.0,	225.0,	0.0);
(	438544.3,	3725914.9,	224.8,	224.8,	0.0);	(	438539.8,	3725928.9,	224.7,	243.0,	0.0);
(	438535.3,	3725942.9,	224.8,	249.0,	0.0);	(	438530.8,	3725956.8,	225.0,	252.0,	0.0);
(	438526.2,	3725970.8,	225.0,	252.0,	0.0);	(	438521.7,	3725984.8,	225.0,	252.0,	0.0);
(	438517.2,	3725998.7,	226.3,	252.0,	0.0);	(	438512.6,	3726012.7,	227.9,	252.0,	0.0);
(	438476.5,	3725934.5,	224.3,	243.0,	0.0);	(	438497.2,	3725973.2,	225.4,	252.0,	0.0);
(	438502.7,	3725966.0,	225.2,	252.0,	0.0);	(	438508.3,	3725958.8,	225.0,	249.0,	0.0);
(	438529.0,	3725997.5,	225.9,	252.0,	0.0);	(	438534.5,	3725990.3,	225.3,	252.0,	0.0);
(	438540.0,	3725983.1,	225.0,	252.0,	0.0);	(	438532.4,	3725523.4,	220.2,	245.0,	0.0);
(	438566.5,	3725547.0,	220.6,	289.0,	0.0);	(	438571.6,	3725531.2,	220.9,	289.0,	0.0);
(	438598.9,	3725570.0,	221.0,	289.0,	0.0);	(	438592.0,	3725585.1,	220.6,	289.0,	0.0);
(	438684.2,	3725570.6,	223.5,	289.0,	0.0);	(	438539.3,	3725890.3,	224.7,	224.7,	0.0);
(	438532.4,	3725905.5,	224.4,	224.4,	0.0);	(	438525.5,	3725920.7,	224.2,	243.0,	0.0);
(	438518.6,	3725935.9,	224.3,	243.0,	0.0);	(	438689.3,	3725554.7,	223.7,	289.0,	0.0);
(	438723.4,	3725578.4,	225.6,	289.0,	0.0);	(	438716.5,	3725593.7,	225.1,	289.0,	0.0);
(	438709.5,	3725609.0,	224.7,	289.0,	0.0);	(	438702.6,	3725624.3,	224.2,	289.0,	0.0);
(	438661.1,	3725715.9,	223.0,	289.0,	0.0);	(	438640.3,	3725761.7,	224.5,	289.0,	0.0);
(	438633.4,	3725777.0,	224.8,	224.8,	0.0);	(	438626.5,	3725792.2,	225.1,	225.1,	0.0);
(	438619.6,	3725807.5,	225.4,	225.4,	0.0);	(	438612.7,	3725822.8,	225.7,	225.7,	0.0);
(	438605.8,	3725838.0,	226.0,	226.0,	0.0);	(	438598.8,	3725853.3,	226.4,	226.4,	0.0);
(	438591.9,	3725868.6,	226.2,	226.2,	0.0);	(	438585.0,	3725883.9,	225.5,	225.5,	0.0);
(	438578.1,	3725899.1,	225.0,	225.0,	0.0);	(	438571.1,	3725914.4,	225.0,	225.0,	0.0);
(	438564.2,	3725929.7,	225.0,	243.0,	0.0);	(	438557.3,	3725944.9,	225.0,	252.0,	0.0);
(	438550.4,	3725960.2,	225.0,	252.0,	0.0);	(	438728.5,	3725562.5,	225.8,	289.0,	0.0);
(	438498.3,	3725487.9,	219.9,	245.0,	0.0);	(	438502.3,	3725464.5,	220.4,	245.0,	0.0);
(	438537.7,	3725494.7,	221.0,	245.0,	0.0);	(	438535.3,	3725508.3,	220.5,	245.0,	0.0);
(	438540.4,	3725479.4,	221.6,	275.0,	0.0);	(	438658.8,	3725498.9,	223.2,	289.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438661.6,	3725481.9,	223.8,	289.0,	0.0);	(438695.4,	3725522.0,	223.9,	289.0,	0.0);
(438692.4,	3725538.3,	223.8,	289.0,	0.0);	(438698.2,	3725505.3,	224.0,	289.0,	0.0);
(438701.0,	3725488.4,	224.1,	289.0,	0.0);	(438735.1,	3725527.1,	225.2,	289.0,	0.0);
(438732.6,	3725540.7,	225.2,	289.0,	0.0);	(438737.7,	3725511.8,	225.3,	289.0,	0.0);
(438740.5,	3725494.9,	225.5,	289.0,	0.0);	(437801.0,	3725247.3,	219.6,	219.6,	0.0);
(437796.7,	3725239.1,	219.7,	219.7,	0.0);	(437815.0,	3725258.2,	219.6,	219.6,	0.0);
(437809.9,	3725242.6,	219.9,	219.9,	0.0);	(437805.5,	3725234.4,	220.0,	220.0,	0.0);
(437824.0,	3725255.0,	219.9,	219.9,	0.0);	(437823.1,	3725246.1,	219.9,	219.9,	0.0);
(437818.7,	3725237.9,	220.0,	220.0,	0.0);	(437814.4,	3725229.8,	220.0,	220.0,	0.0);
(437810.0,	3725221.6,	220.0,	220.0,	0.0);	(437832.8,	3725250.1,	219.8,	219.8,	0.0);
(437827.5,	3725233.2,	220.0,	220.0,	0.0);	(437823.2,	3725225.1,	220.0,	220.0,	0.0);
(437818.9,	3725216.9,	220.0,	220.0,	0.0);	(437836.4,	3725228.6,	219.5,	219.5,	0.0);
(437832.0,	3725220.4,	219.8,	219.8,	0.0);	(437827.7,	3725212.2,	220.0,	220.0,	0.0);
(437823.3,	3725204.0,	220.0,	220.0,	0.0);	(437845.2,	3725223.9,	218.8,	218.8,	0.0);
(437840.9,	3725215.7,	219.0,	219.0,	0.0);	(437836.5,	3725207.5,	219.3,	219.3,	0.0);
(437832.2,	3725199.3,	219.7,	219.7,	0.0);	(437854.0,	3725219.2,	217.9,	217.9,	0.0);
(437849.7,	3725211.0,	218.1,	218.1,	0.0);	(437845.4,	3725202.8,	218.3,	220.0,	0.0);
(437841.0,	3725194.6,	218.6,	218.6,	0.0);	(437933.7,	3725155.9,	208.1,	220.0,	0.0);
(437929.3,	3725147.8,	207.5,	220.0,	0.0);	(437951.4,	3725146.6,	208.0,	208.0,	0.0);
(438061.6,	3725119.6,	208.0,	255.0,	0.0);	(438048.5,	3725095.0,	208.2,	255.0,	0.0);
(438088.1,	3725105.5,	208.8,	255.0,	0.0);	(438083.7,	3725097.3,	208.8,	255.0,	0.0);
(438079.4,	3725089.1,	208.9,	255.0,	0.0);	(438075.0,	3725080.9,	209.0,	255.0,	0.0);
(438070.7,	3725072.7,	209.0,	255.0,	0.0);	(438122.2,	3725163.9,	208.2,	252.0,	0.0);
(438123.1,	3725172.9,	207.9,	252.0,	0.0);	(438114.6,	3725091.4,	209.4,	255.0,	0.0);
(438110.2,	3725083.2,	209.4,	255.0,	0.0);	(438105.9,	3725075.1,	209.5,	255.0,	0.0);
(438101.5,	3725066.9,	209.7,	255.0,	0.0);	(438097.2,	3725058.7,	209.8,	255.0,	0.0);
(438147.8,	3725141.6,	209.6,	255.0,	0.0);	(438148.8,	3725150.8,	209.5,	252.0,	0.0);
(438149.8,	3725160.0,	209.2,	252.0,	0.0);	(438150.7,	3725169.1,	208.9,	252.0,	0.0);
(438176.1,	3725144.6,	210.0,	252.0,	0.0);	(438177.1,	3725153.7,	209.9,	252.0,	0.0);
(438178.0,	3725162.7,	209.8,	252.0,	0.0);	(438179.0,	3725171.8,	209.7,	252.0,	0.0);
(438183.8,	3725216.9,	209.9,	252.0,	0.0);	(438184.7,	3725226.0,	209.9,	252.0,	0.0);
(438221.5,	3725044.2,	212.1,	255.0,	0.0);	(438220.5,	3725035.2,	212.1,	255.0,	0.0);
(438216.2,	3725027.0,	212.0,	255.0,	0.0);	(438211.9,	3725018.8,	212.2,	255.0,	0.0);
(438207.5,	3725010.6,	212.5,	255.0,	0.0);	(438203.2,	3725002.4,	212.8,	255.0,	0.0);
(438250.9,	3725057.6,	212.9,	265.0,	0.0);	(438251.9,	3725066.7,	212.3,	265.0,	0.0);
(438252.8,	3725075.8,	211.8,	265.0,	0.0);	(438266.3,	3725203.5,	213.5,	265.0,	0.0);
(438267.2,	3725212.6,	213.7,	252.0,	0.0);	(438273.0,	3725267.3,	213.7,	227.0,	0.0);
(438274.0,	3725276.4,	213.5,	227.0,	0.0);	(438275.5,	3725025.5,	216.7,	255.0,	0.0);
(438276.5,	3725034.7,	215.6,	265.0,	0.0);	(438277.4,	3725043.9,	214.5,	265.0,	0.0);
(438278.4,	3725053.1,	213.4,	265.0,	0.0);	(438297.8,	3725237.2,	217.4,	225.0,	0.0);
(438298.8,	3725246.4,	217.2,	225.0,	0.0);	(438299.8,	3725255.6,	217.0,	225.0,	0.0);
(438300.7,	3725264.8,	216.9,	227.0,	0.0);	(438301.7,	3725274.1,	216.3,	227.0,	0.0);
(438302.0,	3725011.2,	220.5,	255.0,	0.0);	(438302.9,	3725020.3,	218.9,	265.0,	0.0);
(438303.9,	3725029.4,	217.4,	265.0,	0.0);	(438304.8,	3725038.5,	216.2,	265.0,	0.0);
(438310.6,	3725093.1,	213.0,	268.0,	0.0);	(438311.6,	3725102.2,	213.1,	268.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438312.5,	3725111.3,	213.2,	268.0,	0.0);	(438313.5,	3725120.4,	213.4,	268.0,	0.0);
(438314.4,	3725129.5,	213.8,	266.0,	0.0);	(438315.4,	3725138.6,	214.1,	266.0,	0.0);
(438326.9,	3725247.7,	219.8,	225.0,	0.0);	(438347.9,	3725093.1,	214.7,	268.0,	0.0);
(438348.9,	3725102.3,	215.0,	268.0,	0.0);	(438349.8,	3725111.4,	215.2,	268.0,	0.0);
(438350.8,	3725120.6,	215.5,	268.0,	0.0);	(438351.8,	3725129.7,	215.9,	268.0,	0.0);
(438352.7,	3725138.8,	216.2,	268.0,	0.0);	(438371.1,	3725312.6,	220.3,	234.0,	0.0);
(438372.0,	3725321.7,	218.8,	243.0,	0.0);	(438373.0,	3725330.9,	217.5,	265.0,	0.0);
(438374.0,	3725340.0,	216.4,	265.0,	0.0);	(438375.9,	3725358.3,	214.3,	265.0,	0.0);
(438383.3,	3725074.9,	217.1,	268.0,	0.0);	(438384.3,	3725084.1,	217.0,	268.0,	0.0);
(438385.2,	3725093.3,	217.0,	268.0,	0.0);	(438386.2,	3725102.5,	217.1,	268.0,	0.0);
(438387.2,	3725111.7,	217.2,	268.0,	0.0);	(438388.1,	3725120.8,	217.3,	268.0,	0.0);
(438389.1,	3725130.0,	217.5,	268.0,	0.0);	(438394.9,	3725185.1,	220.5,	266.0,	0.0);
(438395.9,	3725194.3,	221.1,	265.0,	0.0);	(438396.9,	3725203.5,	221.7,	265.0,	0.0);
(438397.8,	3725212.7,	222.8,	265.0,	0.0);	(438409.5,	3725322.9,	220.0,	265.0,	0.0);
(438410.4,	3725332.1,	218.8,	265.0,	0.0);	(438415.3,	3725378.1,	216.3,	265.0,	0.0);
(438416.2,	3725387.2,	216.1,	265.0,	0.0);	(438417.2,	3725396.4,	216.2,	265.0,	0.0);
(438418.2,	3725405.6,	216.2,	245.0,	0.0);	(438420.4,	3725072.8,	218.7,	268.0,	0.0);
(438421.3,	3725081.8,	218.7,	268.0,	0.0);	(438422.3,	3725090.9,	218.8,	268.0,	0.0);
(438423.3,	3725099.9,	218.8,	268.0,	0.0);	(438424.2,	3725109.0,	218.8,	268.0,	0.0);
(438425.2,	3725118.1,	218.9,	268.0,	0.0);	(438430.0,	3725163.4,	220.6,	268.0,	0.0);
(438430.9,	3725172.5,	220.9,	268.0,	0.0);	(438431.9,	3725181.6,	221.4,	268.0,	0.0);
(438432.8,	3725190.6,	222.1,	268.0,	0.0);	(438433.8,	3725199.7,	222.7,	268.0,	0.0);
(438434.7,	3725208.8,	223.4,	266.0,	0.0);	(438435.7,	3725217.8,	224.0,	265.0,	0.0);
(438436.6,	3725226.9,	224.6,	265.0,	0.0);	(438453.8,	3725390.1,	217.8,	265.0,	0.0);
(438454.8,	3725399.2,	217.8,	265.0,	0.0);	(438455.8,	3725408.2,	217.9,	265.0,	0.0);
(438456.7,	3725417.3,	217.9,	245.0,	0.0);	(438457.7,	3725426.4,	218.2,	245.0,	0.0);
(438458.6,	3725435.4,	218.6,	245.0,	0.0);	(438455.8,	3725054.6,	220.8,	268.0,	0.0);
(438456.8,	3725063.7,	220.8,	268.0,	0.0);	(438457.7,	3725072.8,	220.9,	268.0,	0.0);
(438458.7,	3725081.9,	220.9,	268.0,	0.0);	(438459.6,	3725091.0,	221.0,	268.0,	0.0);
(438460.6,	3725100.1,	221.1,	268.0,	0.0);	(438461.5,	3725109.2,	221.2,	268.0,	0.0);
(438467.3,	3725163.9,	221.9,	268.0,	0.0);	(438468.3,	3725173.0,	222.2,	268.0,	0.0);
(438469.2,	3725182.1,	222.5,	268.0,	0.0);	(438470.2,	3725191.2,	222.8,	268.0,	0.0);
(438471.1,	3725200.3,	223.1,	268.0,	0.0);	(438472.1,	3725209.4,	223.6,	268.0,	0.0);
(438476.9,	3725255.0,	230.9,	234.0,	0.0);	(438477.9,	3725264.1,	232.5,	234.0,	0.0);
(438478.8,	3725273.2,	232.6,	234.0,	0.0);	(438479.8,	3725282.3,	232.3,	232.3,	0.0);
(438480.8,	3725291.4,	232.0,	232.0,	0.0);	(438493.2,	3725409.8,	220.1,	265.0,	0.0);
(438494.2,	3725418.9,	220.3,	245.0,	0.0);	(438495.2,	3725428.0,	220.3,	245.0,	0.0);
(438492.1,	3725045.5,	225.2,	268.0,	0.0);	(438493.1,	3725054.7,	225.4,	268.0,	0.0);
(438494.1,	3725063.8,	225.2,	268.0,	0.0);	(438495.0,	3725073.0,	225.1,	268.0,	0.0);
(438496.0,	3725082.1,	225.0,	268.0,	0.0);	(438497.0,	3725091.3,	224.9,	268.0,	0.0);
(438497.9,	3725100.4,	224.9,	268.0,	0.0);	(438502.8,	3725146.1,	222.9,	268.0,	0.0);
(438503.7,	3725155.3,	223.1,	268.0,	0.0);	(438504.7,	3725164.4,	223.3,	268.0,	0.0);
(438505.6,	3725173.6,	223.5,	268.0,	0.0);	(438506.6,	3725182.7,	223.2,	268.0,	0.0);
(438507.6,	3725191.9,	222.8,	268.0,	0.0);	(438508.5,	3725201.0,	222.3,	275.0,	0.0);
(438514.3,	3725255.9,	230.9,	265.0,	0.0);	(438515.3,	3725265.0,	232.1,	265.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(438516.2,	3725274.2,	232.7,	238.0,	0.0);	(438517.2,	3725283.3,	233.2,	238.0,	0.0);
(438518.2,	3725292.5,	233.7,	238.0,	0.0);	(438519.1,	3725301.6,	233.6,	243.0,	0.0);
(438527.5,	3725027.3,	229.1,	268.0,	0.0);	(438528.5,	3725036.5,	229.2,	268.0,	0.0);
(438529.5,	3725045.7,	229.3,	268.0,	0.0);	(438530.4,	3725054.9,	229.4,	268.0,	0.0);
(438531.4,	3725064.1,	229.5,	268.0,	0.0);	(438532.4,	3725073.2,	229.5,	268.0,	0.0);
(438533.3,	3725082.4,	229.4,	268.0,	0.0);	(438534.3,	3725091.6,	229.0,	268.0,	0.0);
(438539.1,	3725137.5,	225.4,	268.0,	0.0);	(438540.1,	3725146.7,	224.7,	268.0,	0.0);
(438541.1,	3725155.8,	224.2,	275.0,	0.0);	(438542.0,	3725165.0,	223.8,	275.0,	0.0);
(438543.0,	3725174.2,	223.3,	275.0,	0.0);	(438544.0,	3725183.4,	223.3,	275.0,	0.0);
(438545.0,	3725192.5,	223.5,	275.0,	0.0);	(438549.8,	3725238.4,	226.4,	275.0,	0.0);
(438550.8,	3725247.6,	228.0,	268.0,	0.0);	(438551.7,	3725256.8,	229.5,	268.0,	0.0);
(438552.7,	3725266.0,	231.1,	265.0,	0.0);	(438553.7,	3725275.2,	233.2,	265.0,	0.0);
(438554.6,	3725284.3,	235.4,	245.0,	0.0);	(438555.6,	3725293.5,	237.6,	237.6,	0.0);
(438561.4,	3725348.6,	232.7,	245.0,	0.0);	(438564.9,	3725027.5,	234.5,	268.0,	0.0);
(438565.8,	3725036.7,	234.7,	268.0,	0.0);	(438566.8,	3725045.9,	234.9,	268.0,	0.0);
(438567.8,	3725055.1,	235.0,	268.0,	0.0);	(438568.7,	3725064.3,	234.6,	268.0,	0.0);
(438569.7,	3725073.5,	234.0,	268.0,	0.0);	(438575.5,	3725128.8,	228.6,	268.0,	0.0);
(438576.5,	3725138.0,	227.2,	275.0,	0.0);	(438577.5,	3725147.2,	225.8,	275.0,	0.0);
(438578.5,	3725156.4,	224.9,	275.0,	0.0);	(438579.4,	3725165.6,	224.0,	275.0,	0.0);
(438580.4,	3725174.8,	223.2,	275.0,	0.0);	(438581.4,	3725184.1,	223.3,	275.0,	0.0);
(438586.2,	3725230.1,	226.4,	275.0,	0.0);	(438587.2,	3725239.3,	227.5,	275.0,	0.0);
(438588.2,	3725248.5,	229.1,	275.0,	0.0);	(438589.1,	3725257.7,	230.6,	275.0,	0.0);
(438590.1,	3725266.9,	232.2,	268.0,	0.0);	(438591.1,	3725276.1,	234.3,	265.0,	0.0);
(438592.0,	3725285.4,	236.5,	265.0,	0.0);	(438596.9,	3725331.4,	240.3,	245.0,	0.0);
(438597.9,	3725340.6,	239.4,	245.0,	0.0);	(438598.8,	3725349.8,	238.6,	245.0,	0.0);
(438599.8,	3725359.0,	237.3,	245.0,	0.0);	(438604.7,	3725405.1,	227.9,	275.0,	0.0);
(438605.6,	3725414.3,	226.2,	275.0,	0.0);	(438606.6,	3725423.5,	225.7,	275.0,	0.0);
(438607.6,	3725432.7,	225.4,	275.0,	0.0);	(438608.5,	3725441.9,	225.1,	275.0,	0.0);
(438604.8,	3725052.6,	242.6,	268.0,	0.0);	(438605.8,	3725061.7,	241.9,	268.0,	0.0);
(438606.7,	3725070.8,	240.1,	268.0,	0.0);	(438611.5,	3725116.4,	233.1,	268.0,	0.0);
(438612.5,	3725125.5,	232.0,	268.0,	0.0);	(438613.5,	3725134.6,	230.9,	275.0,	0.0);
(438614.4,	3725143.8,	229.8,	275.0,	0.0);	(438615.4,	3725152.9,	228.5,	275.0,	0.0);
(438616.3,	3725162.0,	227.2,	275.0,	0.0);	(438623.1,	3725225.8,	226.0,	275.0,	0.0);
(438624.0,	3725234.9,	226.9,	275.0,	0.0);	(438625.0,	3725244.0,	228.2,	275.0,	0.0);
(438626.0,	3725253.1,	229.5,	275.0,	0.0);	(438626.9,	3725262.2,	230.9,	275.0,	0.0);
(438627.9,	3725271.4,	232.7,	275.0,	0.0);	(438633.6,	3725326.0,	244.6,	244.6,	0.0);
(438634.6,	3725335.2,	244.3,	244.3,	0.0);	(438635.6,	3725344.3,	244.0,	244.0,	0.0);
(438636.5,	3725353.4,	243.7,	243.7,	0.0);	(438641.3,	3725399.0,	234.2,	245.0,	0.0);
(438642.3,	3725408.1,	231.6,	275.0,	0.0);	(438643.2,	3725417.2,	229.2,	275.0,	0.0);
(438644.2,	3725426.3,	227.9,	276.0,	0.0);	(438645.2,	3725435.4,	226.6,	289.0,	0.0);
(438646.1,	3725444.5,	225.2,	289.0,	0.0);	(438646.0,	3725089.4,	239.9,	268.0,	0.0);
(438647.0,	3725098.6,	238.5,	268.0,	0.0);	(438647.9,	3725107.7,	237.2,	268.0,	0.0);
(438648.9,	3725116.9,	235.9,	268.0,	0.0);	(438649.9,	3725126.0,	235.2,	268.0,	0.0);
(438650.8,	3725135.2,	234.5,	275.0,	0.0);	(438651.8,	3725144.3,	233.8,	275.0,	0.0);
(438652.8,	3725153.4,	232.9,	275.0,	0.0);	(438653.7,	3725162.6,	231.9,	275.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	438658.5,	3725208.3,	225.4,	276.0,	0.0);	(438659.5,	3725217.5,	226.0,	275.0,	0.0);
(	438660.5,	3725226.6,	226.5,	275.0,	0.0);	(438661.4,	3725235.8,	227.0,	275.0,	0.0);
(	438662.4,	3725244.9,	228.2,	275.0,	0.0);	(438663.4,	3725254.0,	229.4,	275.0,	0.0);
(	438664.3,	3725263.2,	230.6,	275.0,	0.0);	(438670.1,	3725318.1,	242.4,	244.0,	0.0);
(	438671.1,	3725327.2,	244.0,	244.0,	0.0);	(438672.0,	3725336.3,	244.3,	244.3,	0.0);
(	438673.0,	3725345.5,	244.6,	244.6,	0.0);	(438674.0,	3725354.6,	244.9,	244.9,	0.0);
(	438674.9,	3725363.8,	243.5,	245.0,	0.0);	(438679.8,	3725409.5,	233.8,	275.0,	0.0);
(	438680.7,	3725418.6,	231.8,	276.0,	0.0);	(438681.7,	3725427.8,	229.8,	289.0,	0.0);
(	438682.6,	3725436.9,	227.9,	289.0,	0.0);	(438683.6,	3725446.1,	225.9,	289.0,	0.0);
(	438684.6,	3725455.2,	225.4,	289.0,	0.0);	(438688.4,	3725491.8,	223.8,	289.0,	0.0);
(	438689.4,	3725500.9,	223.7,	289.0,	0.0);	(438690.4,	3725510.1,	223.7,	289.0,	0.0);
(	438687.2,	3725126.5,	240.4,	268.0,	0.0);	(438688.2,	3725135.7,	239.6,	268.0,	0.0);
(	438689.2,	3725144.9,	238.7,	275.0,	0.0);	(438690.1,	3725154.1,	237.8,	275.0,	0.0);
(	438691.1,	3725163.2,	236.7,	275.0,	0.0);	(438692.1,	3725172.4,	235.7,	275.0,	0.0);
(	438693.0,	3725181.6,	234.2,	275.0,	0.0);	(438694.0,	3725190.8,	232.4,	275.0,	0.0);
(	438695.0,	3725199.9,	230.7,	275.0,	0.0);	(438695.9,	3725209.1,	229.5,	275.0,	0.0);
(	438696.9,	3725218.3,	229.7,	275.0,	0.0);	(438697.9,	3725227.4,	229.8,	275.0,	0.0);
(	438698.8,	3725236.6,	229.9,	276.0,	0.0);	(438699.8,	3725245.8,	230.3,	276.0,	0.0);
(	438700.8,	3725255.0,	230.7,	276.0,	0.0);	(438705.6,	3725300.8,	237.0,	275.0,	0.0);
(	438706.6,	3725310.0,	238.8,	275.0,	0.0);	(438707.5,	3725319.2,	240.6,	275.0,	0.0);
(	438708.5,	3725328.3,	242.0,	275.0,	0.0);	(438709.5,	3725337.5,	242.6,	245.0,	0.0);
(	438710.4,	3725346.7,	243.2,	245.0,	0.0);	(438711.4,	3725355.9,	243.8,	245.0,	0.0);
(	438712.4,	3725365.0,	242.2,	245.0,	0.0);	(438717.2,	3725410.9,	233.9,	289.0,	0.0);
(	438718.2,	3725420.1,	232.3,	289.0,	0.0);	(438719.1,	3725429.2,	230.7,	289.0,	0.0);
(	438720.1,	3725438.4,	229.0,	289.0,	0.0);	(438721.1,	3725447.6,	227.6,	289.0,	0.0);
(	438722.0,	3725456.8,	226.7,	289.0,	0.0);	(438723.0,	3725465.9,	225.8,	289.0,	0.0);
(	438724.0,	3725475.1,	224.9,	289.0,	0.0);	(438725.0,	3725484.3,	224.8,	289.0,	0.0);
(	438725.9,	3725493.5,	224.9,	289.0,	0.0);	(438726.9,	3725502.6,	224.9,	289.0,	0.0);
(	438727.8,	3725511.8,	224.9,	289.0,	0.0);	(437709.7,	3725187.7,	214.6,	214.6,	0.0);
(	437702.0,	3725182.4,	214.5,	214.5,	0.0);	(437715.4,	3725179.5,	215.3,	215.3,	0.0);
(	437707.6,	3725174.1,	214.9,	214.9,	0.0);	(437721.1,	3725171.2,	215.6,	215.6,	0.0);
(	437713.3,	3725165.9,	215.1,	215.1,	0.0);	(437726.7,	3725163.0,	215.4,	215.4,	0.0);
(	437719.0,	3725157.6,	215.1,	215.1,	0.0);	(437732.4,	3725154.7,	214.9,	214.9,	0.0);
(	437724.6,	3725149.4,	214.7,	214.7,	0.0);	(437797.9,	3725190.0,	219.9,	219.9,	0.0);
(	437738.0,	3725146.5,	214.1,	218.0,	0.0);	(437730.3,	3725141.2,	214.1,	214.1,	0.0);
(	437803.1,	3725181.3,	220.0,	220.0,	0.0);	(437813.2,	3725192.6,	220.0,	220.0,	0.0);
(	437790.2,	3725170.2,	219.2,	219.2,	0.0);	(437782.5,	3725164.9,	218.7,	218.7,	0.0);
(	437774.7,	3725159.6,	218.2,	218.2,	0.0);	(437767.0,	3725154.2,	217.7,	217.7,	0.0);
(	437759.2,	3725148.9,	216.7,	218.0,	0.0);	(437751.5,	3725143.6,	215.5,	218.0,	0.0);
(	437743.7,	3725138.3,	214.4,	218.0,	0.0);	(437736.0,	3725132.9,	213.9,	218.0,	0.0);
(	437809.4,	3725173.7,	219.8,	219.8,	0.0);	(437820.8,	3725186.5,	220.0,	220.0,	0.0);
(	437795.9,	3725162.0,	219.3,	219.3,	0.0);	(437788.2,	3725156.7,	218.8,	218.8,	0.0);
(	437780.4,	3725151.3,	218.4,	218.4,	0.0);	(437772.6,	3725146.0,	218.1,	218.1,	0.0);
(	437764.9,	3725140.7,	216.9,	218.0,	0.0);	(437757.1,	3725135.3,	215.7,	218.0,	0.0);
(	437749.4,	3725130.0,	214.8,	218.0,	0.0);	(437741.6,	3725124.7,	214.1,	218.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437814.6,	3725165.0,	219.1,	219.1,	0.0);	(437825.2,	3725176.9,	220.0,	220.0,	0.0);
(437801.6,	3725153.8,	219.1,	219.1,	0.0);	(437793.8,	3725148.4,	218.9,	218.9,	0.0);
(437786.1,	3725143.1,	218.2,	218.2,	0.0);	(437778.3,	3725137.8,	217.4,	217.4,	0.0);
(437770.6,	3725132.4,	216.7,	216.7,	0.0);	(437762.8,	3725127.1,	215.6,	218.0,	0.0);
(437755.0,	3725121.8,	214.8,	218.0,	0.0);	(437747.3,	3725116.4,	214.3,	218.0,	0.0);
(437837.0,	3725160.9,	216.9,	220.0,	0.0);	(437811.7,	3725039.4,	205.8,	220.0,	0.0);
(437803.9,	3725034.0,	205.9,	219.0,	0.0);	(437883.1,	3725066.7,	205.1,	250.0,	0.0);
(437894.7,	3725079.8,	205.0,	250.0,	0.0);	(437906.3,	3725092.8,	205.2,	250.0,	0.0);
(437918.0,	3725105.8,	205.7,	250.0,	0.0);	(437869.6,	3725054.9,	205.0,	250.0,	0.0);
(437861.8,	3725049.5,	204.8,	220.0,	0.0);	(437854.0,	3725044.2,	204.8,	220.0,	0.0);
(437846.3,	3725038.9,	204.9,	220.0,	0.0);	(437838.5,	3725033.5,	205.0,	220.0,	0.0);
(437830.8,	3725028.2,	205.0,	220.0,	0.0);	(437823.0,	3725022.9,	205.1,	219.0,	0.0);
(437815.3,	3725017.6,	205.1,	219.0,	0.0);	(437894.5,	3725050.3,	204.8,	255.0,	0.0);
(437906.2,	3725063.4,	205.0,	255.0,	0.0);	(437917.9,	3725076.5,	205.0,	255.0,	0.0);
(437929.6,	3725089.6,	205.5,	255.0,	0.0);	(437941.3,	3725102.8,	206.3,	252.0,	0.0);
(437880.9,	3725038.4,	204.4,	255.0,	0.0);	(437873.1,	3725033.1,	204.2,	255.0,	0.0);
(437865.4,	3725027.7,	204.1,	255.0,	0.0);	(437857.6,	3725022.4,	204.1,	255.0,	0.0);
(437849.9,	3725017.1,	204.2,	255.0,	0.0);	(437842.1,	3725011.7,	204.3,	255.0,	0.0);
(437834.4,	3725006.4,	204.3,	255.0,	0.0);	(437826.6,	3725001.1,	204.2,	255.0,	0.0);
(437905.9,	3725033.8,	204.7,	255.0,	0.0);	(437917.6,	3725047.0,	205.0,	255.0,	0.0);
(437929.4,	3725060.2,	205.3,	255.0,	0.0);	(437941.2,	3725073.4,	205.7,	255.0,	0.0);
(437952.9,	3725086.6,	206.1,	255.0,	0.0);	(437964.7,	3725099.8,	206.7,	255.0,	0.0);
(437892.2,	3725021.9,	204.1,	255.0,	0.0);	(437884.5,	3725016.6,	204.0,	255.0,	0.0);
(437876.7,	3725011.2,	204.0,	255.0,	0.0);	(437869.0,	3725005.9,	204.0,	255.0,	0.0);
(437861.2,	3725000.6,	204.0,	255.0,	0.0);	(437853.4,	3724995.3,	204.0,	255.0,	0.0);
(437845.7,	3724989.9,	204.0,	255.0,	0.0);	(437837.9,	3724984.6,	204.0,	255.0,	0.0);
(437917.2,	3725017.4,	204.9,	255.0,	0.0);	(437929.0,	3725030.7,	205.3,	255.0,	0.0);
(437940.9,	3725043.9,	205.7,	255.0,	0.0);	(437952.7,	3725057.2,	206.1,	255.0,	0.0);
(437964.5,	3725070.4,	206.5,	255.0,	0.0);	(437976.3,	3725083.7,	206.9,	255.0,	0.0);
(437988.2,	3725097.0,	207.2,	255.0,	0.0);	(437903.5,	3725005.4,	204.5,	255.0,	0.0);
(437895.8,	3725000.1,	204.2,	255.0,	0.0);	(437888.0,	3724994.8,	204.0,	255.0,	0.0);
(437880.3,	3724989.4,	204.0,	255.0,	0.0);	(437872.5,	3724984.1,	204.0,	255.0,	0.0);
(437864.8,	3724978.8,	204.0,	255.0,	0.0);	(437857.0,	3724973.4,	204.0,	255.0,	0.0);
(437849.3,	3724968.1,	204.0,	255.0,	0.0);	(437928.6,	3725000.9,	205.3,	255.0,	0.0);
(437940.5,	3725014.3,	205.7,	255.0,	0.0);	(437946.4,	3725020.9,	205.9,	255.0,	0.0);
(437970.1,	3725047.6,	206.7,	255.0,	0.0);	(437982.0,	3725060.9,	207.1,	255.0,	0.0);
(437993.9,	3725074.2,	207.5,	255.0,	0.0);	(437914.9,	3724988.9,	204.8,	255.0,	0.0);
(437907.1,	3724983.6,	204.6,	255.0,	0.0);	(437899.4,	3724978.3,	204.3,	255.0,	0.0);
(437891.6,	3724973.0,	204.1,	255.0,	0.0);	(437883.9,	3724967.6,	204.0,	255.0,	0.0);
(437876.1,	3724962.3,	204.0,	255.0,	0.0);	(437868.3,	3724957.0,	204.0,	255.0,	0.0);
(437860.6,	3724951.6,	204.0,	255.0,	0.0);	(437945.8,	3724976.5,	205.3,	255.0,	0.0);
(437951.9,	3724983.3,	205.6,	255.0,	0.0);	(437976.5,	3725010.9,	206.4,	255.0,	0.0);
(437982.7,	3725017.8,	206.8,	255.0,	0.0);	(437988.8,	3725024.7,	207.0,	255.0,	0.0);
(437995.0,	3725031.6,	207.1,	255.0,	0.0);	(438001.1,	3725038.5,	207.3,	255.0,	0.0);
(438007.3,	3725045.4,	207.6,	255.0,	0.0);	(438013.4,	3725052.3,	207.9,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(	437939.6,	3724969.6,	205.1,	255.0,	0.0);	(	437931.9,	3724964.2,	205.0,	255.0,	0.0);
(	437924.1,	3724958.9,	205.0,	255.0,	0.0);	(	437916.4,	3724953.6,	204.9,	255.0,	0.0);
(	437908.6,	3724948.2,	204.6,	255.0,	0.0);	(	437900.8,	3724942.9,	204.4,	255.0,	0.0);
(	437893.1,	3724937.6,	204.1,	255.0,	0.0);	(	437885.3,	3724932.2,	204.0,	255.0,	0.0);
(	437877.6,	3724926.9,	204.0,	255.0,	0.0);	(	437974.6,	3724965.0,	205.8,	255.0,	0.0);
(	437980.6,	3724971.8,	206.0,	255.0,	0.0);	(	437986.6,	3724978.5,	206.2,	255.0,	0.0);
(	437992.6,	3724985.2,	206.4,	255.0,	0.0);	(	437998.6,	3724992.0,	206.6,	255.0,	0.0);
(	438004.6,	3724998.7,	206.9,	255.0,	0.0);	(	438010.6,	3725005.4,	207.0,	255.0,	0.0);
(	438016.6,	3725012.2,	207.2,	255.0,	0.0);	(	438022.6,	3725018.9,	207.4,	255.0,	0.0);
(	438034.7,	3725032.3,	207.9,	255.0,	0.0);	(	437933.4,	3724928.8,	205.1,	255.0,	0.0);
(	437925.6,	3724923.5,	205.1,	255.0,	0.0);	(	437917.8,	3724918.2,	204.9,	255.0,	0.0);
(	437910.1,	3724912.8,	204.7,	255.0,	0.0);	(	437902.3,	3724907.5,	204.4,	255.0,	0.0);
(	437894.6,	3724902.2,	204.3,	255.0,	0.0);	(	437979.8,	3724927.0,	205.6,	255.0,	0.0);
(	437986.0,	3724934.0,	205.4,	255.0,	0.0);	(	437992.1,	3724940.9,	205.6,	255.0,	0.0);
(	437998.3,	3724947.8,	206.0,	255.0,	0.0);	(	438004.5,	3724954.8,	206.5,	255.0,	0.0);
(	438010.7,	3724961.7,	206.9,	255.0,	0.0);	(	438016.9,	3724968.6,	207.2,	255.0,	0.0);
(	438023.0,	3724975.5,	207.5,	255.0,	0.0);	(	438029.2,	3724982.5,	207.7,	255.0,	0.0);
(	438035.4,	3724989.4,	207.9,	255.0,	0.0);	(	438041.6,	3724996.3,	208.2,	255.0,	0.0);
(	438047.8,	3725003.3,	208.8,	255.0,	0.0);	(	438053.9,	3725010.2,	209.2,	255.0,	0.0);
(	438091.0,	3725051.8,	209.9,	255.0,	0.0);	(	437973.6,	3724920.1,	206.0,	255.0,	0.0);
(	437965.9,	3724914.8,	206.1,	255.0,	0.0);	(	437934.8,	3724893.5,	205.9,	255.0,	0.0);
(	437927.1,	3724888.1,	205.9,	255.0,	0.0);	(	437919.3,	3724882.8,	205.8,	255.0,	0.0);
(	437911.6,	3724877.5,	205.7,	255.0,	0.0);	(	437996.7,	3724902.2,	209.6,	255.0,	0.0);
(	438002.7,	3724909.0,	209.7,	255.0,	0.0);	(	438008.8,	3724915.7,	209.3,	255.0,	0.0);
(	438014.8,	3724922.5,	209.2,	255.0,	0.0);	(	438020.8,	3724929.3,	209.3,	255.0,	0.0);
(	438026.9,	3724936.1,	209.5,	255.0,	0.0);	(	438033.0,	3724942.9,	210.0,	255.0,	0.0);
(	438039.0,	3724949.7,	210.1,	255.0,	0.0);	(	438045.0,	3724956.4,	210.3,	255.0,	0.0);
(	438051.1,	3724963.2,	210.3,	255.0,	0.0);	(	438057.1,	3724970.0,	210.8,	255.0,	0.0);
(	438063.2,	3724976.8,	211.4,	255.0,	0.0);	(	438069.2,	3724983.6,	211.8,	255.0,	0.0);
(	438075.3,	3724990.4,	211.6,	255.0,	0.0);	(	438032.4,	3724898.5,	215.0,	255.0,	0.0);
(	438038.6,	3724905.4,	215.8,	255.0,	0.0);	(	438044.8,	3724912.4,	215.9,	255.0,	0.0);
(	438051.0,	3724919.3,	216.1,	255.0,	0.0);	(	438057.2,	3724926.3,	216.5,	255.0,	0.0);
(	438063.4,	3724933.2,	217.0,	255.0,	0.0);	(	438069.6,	3724940.2,	217.3,	255.0,	0.0);
(	438075.8,	3724947.1,	216.6,	255.0,	0.0);	(	438082.0,	3724954.1,	215.8,	255.0,	0.0);
(	438088.2,	3724961.0,	215.1,	255.0,	0.0);	(	438094.4,	3724968.0,	214.5,	255.0,	0.0);
(	437992.1,	3724860.0,	210.4,	255.0,	0.0);	(	437984.3,	3724854.7,	209.3,	255.0,	0.0);
(	437976.6,	3724849.3,	208.8,	255.0,	0.0);	(	437968.8,	3724844.0,	208.7,	255.0,	0.0);
(	437961.1,	3724838.7,	208.3,	255.0,	0.0);	(	437953.3,	3724833.4,	207.8,	255.0,	0.0);
(	437945.6,	3724828.0,	207.2,	255.0,	0.0);	(	438030.7,	3724852.8,	213.9,	255.0,	0.0);
(	438036.8,	3724859.6,	214.7,	255.0,	0.0);	(	438067.2,	3724893.7,	219.3,	255.0,	0.0);
(	438073.3,	3724900.5,	220.0,	255.0,	0.0);	(	438079.3,	3724907.3,	220.6,	255.0,	0.0);
(	438085.4,	3724914.2,	220.5,	255.0,	0.0);	(	438091.5,	3724921.0,	220.5,	255.0,	0.0);
(	438097.6,	3724927.8,	220.4,	255.0,	0.0);	(	438103.7,	3724934.6,	220.8,	255.0,	0.0);
(	438024.6,	3724845.9,	213.0,	255.0,	0.0);	(	438016.8,	3724840.6,	212.5,	255.0,	0.0);
(	438009.1,	3724835.3,	212.0,	255.0,	0.0);	(	438001.3,	3724830.0,	211.3,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437993.6,	3724824.6,	210.8,	255.0,	0.0);	(437985.8,	3724819.3,	210.3,	255.0,	0.0);
(437978.1,	3724814.0,	209.9,	255.0,	0.0);	(437970.3,	3724808.6,	209.2,	255.0,	0.0);
(437962.6,	3724803.3,	208.5,	255.0,	0.0);	(438190.8,	3724988.5,	214.8,	255.0,	0.0);
(438197.0,	3724995.5,	213.2,	255.0,	0.0);	(438018.3,	3724805.2,	212.5,	255.0,	0.0);
(438010.6,	3724799.9,	212.1,	255.0,	0.0);	(438002.8,	3724794.6,	211.6,	255.0,	0.0);
(437995.1,	3724789.2,	211.0,	255.0,	0.0);	(437987.3,	3724783.9,	210.6,	255.0,	0.0);
(437979.6,	3724778.6,	210.5,	255.0,	0.0);	(438107.5,	3724851.3,	219.7,	255.0,	0.0);
(438113.6,	3724858.2,	220.3,	255.0,	0.0);	(438119.7,	3724865.0,	221.0,	255.0,	0.0);
(438125.8,	3724871.9,	221.6,	255.0,	0.0);	(438131.9,	3724878.7,	222.4,	255.0,	0.0);
(438138.0,	3724885.6,	223.4,	255.0,	0.0);	(438144.1,	3724892.4,	224.3,	255.0,	0.0);
(438150.2,	3724899.3,	225.1,	255.0,	0.0);	(438156.3,	3724906.1,	225.8,	255.0,	0.0);
(438162.5,	3724913.0,	226.4,	255.0,	0.0);	(438168.6,	3724919.8,	226.8,	255.0,	0.0);
(438081.8,	3724778.8,	217.5,	255.0,	0.0);	(438088.0,	3724785.8,	217.9,	255.0,	0.0);
(438094.3,	3724792.7,	218.7,	255.0,	0.0);	(438100.5,	3724799.7,	219.6,	255.0,	0.0);
(438106.7,	3724806.7,	220.3,	255.0,	0.0);	(438113.0,	3724813.7,	220.9,	255.0,	0.0);
(438119.2,	3724820.7,	221.2,	255.0,	0.0);	(438125.4,	3724827.6,	221.3,	255.0,	0.0);
(438131.6,	3724834.6,	221.6,	255.0,	0.0);	(438137.9,	3724841.6,	222.0,	255.0,	0.0);
(438144.1,	3724848.6,	222.5,	255.0,	0.0);	(438150.3,	3724855.6,	223.4,	255.0,	0.0);
(438156.5,	3724862.6,	224.2,	255.0,	0.0);	(438162.8,	3724869.5,	225.2,	255.0,	0.0);
(438169.0,	3724876.5,	226.3,	255.0,	0.0);	(438175.2,	3724883.5,	227.2,	255.0,	0.0);
(438181.5,	3724890.5,	228.0,	255.0,	0.0);	(438075.6,	3724771.8,	217.1,	255.0,	0.0);
(438067.8,	3724766.5,	216.4,	255.0,	0.0);	(438060.1,	3724761.1,	215.6,	255.0,	0.0);
(438052.3,	3724755.8,	214.7,	255.0,	0.0);	(438044.6,	3724750.5,	214.6,	255.0,	0.0);
(438036.8,	3724745.1,	214.7,	255.0,	0.0);	(438029.1,	3724739.8,	215.2,	255.0,	0.0);
(438021.3,	3724734.5,	215.6,	255.0,	0.0);	(438013.5,	3724729.1,	215.9,	255.0,	0.0);
(438098.7,	3724753.9,	220.2,	255.0,	0.0);	(438104.8,	3724760.8,	220.5,	255.0,	0.0);
(438111.0,	3724767.7,	221.1,	255.0,	0.0);	(438117.1,	3724774.6,	221.7,	255.0,	0.0);
(438123.2,	3724781.4,	222.3,	255.0,	0.0);	(438129.4,	3724788.3,	222.9,	255.0,	0.0);
(438135.5,	3724795.2,	223.4,	255.0,	0.0);	(438141.6,	3724802.1,	223.9,	255.0,	0.0);
(438147.8,	3724808.9,	224.5,	255.0,	0.0);	(438153.9,	3724815.8,	225.2,	255.0,	0.0);
(438160.0,	3724822.7,	225.6,	255.0,	0.0);	(438166.2,	3724829.6,	226.0,	255.0,	0.0);
(438172.3,	3724836.5,	226.5,	255.0,	0.0);	(438178.4,	3724843.3,	227.2,	255.0,	0.0);
(438092.6,	3724747.1,	220.5,	255.0,	0.0);	(438084.8,	3724741.7,	220.4,	255.0,	0.0);
(438077.1,	3724736.4,	220.4,	255.0,	0.0);	(438069.3,	3724731.1,	220.3,	255.0,	0.0);
(438061.6,	3724725.7,	220.2,	255.0,	0.0);	(438053.8,	3724720.4,	220.1,	255.0,	0.0);
(438046.0,	3724715.1,	220.0,	255.0,	0.0);	(438038.3,	3724709.8,	220.1,	255.0,	0.0);
(438030.5,	3724704.4,	220.5,	255.0,	0.0);	(438133.7,	3724734.8,	227.4,	255.0,	0.0);
(438139.8,	3724741.7,	227.5,	255.0,	0.0);	(438146.0,	3724748.6,	227.6,	255.0,	0.0);
(438152.1,	3724755.4,	227.8,	255.0,	0.0);	(438061.0,	3724676.8,	225.8,	255.0,	0.0);
(438053.2,	3724671.4,	225.7,	255.0,	0.0);	(437653.6,	3725159.9,	213.3,	213.3,	0.0);
(437639.3,	3725149.6,	212.0,	214.0,	0.0);	(437688.0,	3725172.3,	214.4,	214.4,	0.0);
(437673.7,	3725162.1,	214.2,	214.2,	0.0);	(437659.4,	3725151.8,	214.0,	214.0,	0.0);
(437645.1,	3725141.5,	213.5,	213.5,	0.0);	(437693.8,	3725164.2,	214.7,	214.7,	0.0);
(437679.5,	3725153.9,	214.7,	214.7,	0.0);	(437665.2,	3725143.7,	214.5,	214.5,	0.0);
(437650.9,	3725133.4,	214.4,	214.4,	0.0);	(437699.7,	3725156.1,	214.9,	214.9,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437685.4,	3725145.8,	215.0,	215.0,	0.0);	(437671.1,	3725135.5,	214.3,	214.3,	0.0);
(437656.8,	3725125.3,	214.4,	214.4,	0.0);	(437705.5,	3725148.0,	215.0,	215.0,	0.0);
(437691.2,	3725137.7,	214.2,	214.2,	0.0);	(437676.9,	3725127.4,	213.8,	213.8,	0.0);
(437662.6,	3725117.1,	214.1,	214.1,	0.0);	(437711.3,	3725139.8,	214.2,	215.0,	0.0);
(437697.0,	3725129.6,	213.3,	213.3,	0.0);	(437682.7,	3725119.3,	213.0,	213.0,	0.0);
(437668.4,	3725109.0,	212.0,	215.0,	0.0);	(437717.2,	3725131.7,	213.3,	215.0,	0.0);
(437702.9,	3725121.4,	212.1,	215.0,	0.0);	(437688.6,	3725111.2,	211.5,	213.0,	0.0);
(437674.3,	3725100.9,	209.7,	215.0,	0.0);	(437723.0,	3725123.6,	212.9,	212.9,	0.0);
(437708.7,	3725113.3,	210.9,	218.0,	0.0);	(437694.4,	3725103.1,	210.0,	215.0,	0.0);
(437680.1,	3725092.8,	207.6,	215.0,	0.0);	(437728.8,	3725115.5,	212.9,	218.0,	0.0);
(437714.5,	3725105.2,	210.8,	218.0,	0.0);	(437700.2,	3725094.9,	209.1,	218.0,	0.0);
(437685.9,	3725084.7,	206.6,	218.0,	0.0);	(437734.7,	3725107.4,	212.9,	214.0,	0.0);
(437720.4,	3725097.1,	210.8,	218.0,	0.0);	(437706.1,	3725086.8,	208.7,	218.0,	0.0);
(437691.8,	3725076.5,	206.8,	218.0,	0.0);	(437793.0,	3725026.1,	206.0,	219.0,	0.0);
(437778.7,	3725015.9,	205.1,	219.0,	0.0);	(437764.4,	3725005.6,	203.9,	219.0,	0.0);
(437750.1,	3724995.3,	203.0,	219.0,	0.0);	(437804.7,	3725009.9,	204.8,	219.0,	0.0);
(437790.4,	3724999.6,	204.0,	219.0,	0.0);	(437776.1,	3724989.3,	203.2,	203.2,	0.0);
(437761.8,	3724979.1,	203.0,	203.0,	0.0);	(437816.3,	3724993.6,	204.0,	255.0,	0.0);
(437787.7,	3724973.1,	203.1,	255.0,	0.0);	(437773.4,	3724962.8,	203.0,	255.0,	0.0);
(437813.7,	3724967.1,	203.5,	255.0,	0.0);	(437839.7,	3724961.2,	203.9,	255.0,	0.0);
(437825.4,	3724950.9,	203.4,	255.0,	0.0);	(437811.1,	3724940.6,	203.1,	255.0,	0.0);
(437796.8,	3724930.3,	203.0,	255.0,	0.0);	(437851.3,	3724944.9,	203.8,	255.0,	0.0);
(437837.0,	3724934.6,	203.2,	255.0,	0.0);	(437822.7,	3724924.4,	203.0,	255.0,	0.0);
(437808.4,	3724914.1,	203.0,	255.0,	0.0);	(437868.8,	3724920.5,	204.0,	255.0,	0.0);
(437854.5,	3724910.3,	203.8,	255.0,	0.0);	(437840.2,	3724900.0,	203.4,	255.0,	0.0);
(437825.9,	3724889.7,	203.0,	255.0,	0.0);	(437886.3,	3724896.2,	204.3,	255.0,	0.0);
(437872.0,	3724885.9,	204.3,	255.0,	0.0);	(437857.7,	3724875.6,	203.9,	255.0,	0.0);
(437843.4,	3724865.4,	203.5,	255.0,	0.0);	(437899.9,	3724832.0,	205.3,	255.0,	0.0);
(437885.6,	3724821.8,	204.8,	255.0,	0.0);	(437931.7,	3724817.9,	206.4,	255.0,	0.0);
(437917.4,	3724807.7,	206.2,	255.0,	0.0);	(437903.1,	3724797.4,	205.7,	255.0,	0.0);
(437949.2,	3724793.6,	207.7,	255.0,	0.0);	(437934.9,	3724783.3,	207.6,	255.0,	0.0);
(437920.6,	3724773.0,	207.1,	255.0,	0.0);	(437966.7,	3724769.2,	210.0,	255.0,	0.0);
(437952.4,	3724758.9,	209.2,	255.0,	0.0);	(437938.1,	3724748.7,	208.8,	255.0,	0.0);
(437955.6,	3724724.3,	213.0,	255.0,	0.0);	(438019.2,	3724696.1,	221.3,	255.0,	0.0);
(438004.9,	3724685.8,	223.4,	255.0,	0.0);	(438042.5,	3724663.6,	226.2,	255.0,	0.0);
(437619.6,	3725132.9,	210.8,	215.0,	0.0);	(437615.0,	3725124.6,	211.0,	215.0,	0.0);
(437607.8,	3725117.3,	210.1,	215.0,	0.0);	(437623.1,	3725111.0,	212.6,	212.6,	0.0);
(437638.7,	3725110.2,	213.1,	215.0,	0.0);	(437600.8,	3725110.0,	208.5,	215.0,	0.0);
(437615.5,	3725103.9,	211.1,	215.0,	0.0);	(437637.9,	3725100.1,	211.0,	215.0,	0.0);
(437593.9,	3725102.6,	207.2,	215.0,	0.0);	(437608.2,	3725096.7,	209.4,	215.0,	0.0);
(437622.5,	3725090.8,	210.2,	215.0,	0.0);	(437637.1,	3725090.0,	209.0,	215.0,	0.0);
(437588.3,	3725094.7,	206.6,	215.0,	0.0);	(437604.6,	3725088.0,	208.6,	215.0,	0.0);
(437621.0,	3725081.2,	209.2,	215.0,	0.0);	(437637.7,	3725080.4,	207.7,	215.0,	0.0);
(437654.6,	3725085.3,	206.8,	215.0,	0.0);	(437581.3,	3725087.4,	206.4,	215.0,	0.0);
(437597.1,	3725080.9,	207.3,	215.0,	0.0);	(437612.9,	3725074.4,	207.9,	215.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
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(437636.8,	3725070.3,	206.8,	215.0,	0.0);	(437669.6,	3725079.9,	206.1,	215.0,	0.0);
(437566.8,	3725096.6,	205.1,	215.0,	0.0);	(437540.0,	3725120.5,	202.6,	215.0,	0.0);
(437526.7,	3725132.5,	201.3,	215.0,	0.0);	(437574.5,	3725080.0,	205.6,	215.0,	0.0);
(437589.8,	3725073.7,	206.2,	215.0,	0.0);	(437605.1,	3725067.4,	206.7,	215.0,	0.0);
(437560.1,	3725089.2,	204.9,	215.0,	0.0);	(437533.4,	3725113.1,	202.4,	215.0,	0.0);
(437520.0,	3725125.0,	201.2,	215.0,	0.0);	(437561.6,	3725064.9,	203.7,	215.0,	0.0);
(437578.0,	3725058.2,	204.4,	215.0,	0.0);	(437594.3,	3725051.4,	204.5,	215.0,	0.0);
(437546.8,	3725074.3,	203.5,	215.0,	0.0);	(437506.7,	3725110.1,	200.7,	215.0,	0.0);
(437547.9,	3725050.2,	202.4,	215.0,	0.0);	(437563.5,	3725043.7,	202.3,	215.0,	0.0);
(437533.4,	3725059.4,	202.2,	213.0,	0.0);	(437699.2,	3724980.4,	201.3,	231.0,	0.0);
(437716.1,	3724985.4,	201.7,	231.0,	0.0);	(437733.1,	3724990.3,	202.6,	202.6,	0.0);
(437662.9,	3724950.1,	201.6,	232.0,	0.0);	(437679.4,	3724954.9,	201.0,	232.0,	0.0);
(437695.9,	3724959.8,	201.5,	232.0,	0.0);	(437712.3,	3724964.6,	202.1,	232.0,	0.0);
(437728.8,	3724969.4,	202.6,	231.0,	0.0);	(437745.3,	3724974.2,	203.0,	231.0,	0.0);
(437466.8,	3725011.7,	201.9,	201.9,	0.0);	(437453.4,	3725023.6,	201.0,	201.0,	0.0);
(437440.0,	3725035.5,	199.7,	220.0,	0.0);	(437481.6,	3724975.5,	201.7,	201.7,	0.0);
(437498.0,	3724968.7,	201.1,	201.1,	0.0);	(437514.4,	3724962.0,	201.6,	201.6,	0.0);
(437646.1,	3724925.6,	201.7,	232.0,	0.0);	(437663.1,	3724930.5,	201.5,	232.0,	0.0);
(437680.1,	3724935.5,	201.0,	232.0,	0.0);	(437697.0,	3724940.5,	201.6,	232.0,	0.0);
(437714.0,	3724945.4,	202.1,	232.0,	0.0);	(437731.0,	3724950.4,	202.3,	232.0,	0.0);
(437748.0,	3724955.4,	202.7,	232.0,	0.0);	(437466.8,	3724984.8,	201.9,	201.9,	0.0);
(437453.4,	3724996.8,	201.5,	201.5,	0.0);	(437440.1,	3725008.7,	200.6,	200.6,	0.0);
(437426.7,	3725020.6,	199.2,	220.0,	0.0);	(437468.1,	3724960.6,	201.7,	201.7,	0.0);
(437484.1,	3724954.0,	201.5,	201.5,	0.0);	(437500.0,	3724947.5,	201.6,	201.6,	0.0);
(437516.0,	3724940.9,	201.9,	201.9,	0.0);	(437531.9,	3724934.3,	202.1,	202.1,	0.0);
(437661.0,	3724910.2,	201.1,	232.0,	0.0);	(437677.5,	3724915.1,	201.0,	232.0,	0.0);
(437694.1,	3724919.9,	201.2,	232.0,	0.0);	(437710.6,	3724924.8,	201.6,	232.0,	0.0);
(437727.2,	3724929.6,	201.9,	232.0,	0.0);	(437743.7,	3724934.5,	202.1,	232.0,	0.0);
(437760.3,	3724939.3,	202.7,	255.0,	0.0);	(437453.5,	3724969.9,	201.0,	201.0,	0.0);
(437440.1,	3724981.8,	200.6,	200.6,	0.0);	(437426.7,	3724993.8,	199.7,	220.0,	0.0);
(437413.4,	3725005.7,	198.3,	220.0,	0.0);	(437455.0,	3724945.6,	200.3,	200.3,	0.0);
(437471.3,	3724938.9,	201.1,	201.1,	0.0);	(437487.7,	3724932.1,	201.1,	201.1,	0.0);
(437504.0,	3724925.4,	200.8,	202.0,	0.0);	(437520.4,	3724918.6,	201.7,	201.7,	0.0);
(437602.2,	3724884.9,	200.9,	232.0,	0.0);	(437677.9,	3724895.5,	201.0,	232.0,	0.0);
(437694.9,	3724900.5,	201.1,	232.0,	0.0);	(437711.9,	3724905.5,	201.1,	232.0,	0.0);
(437728.9,	3724910.5,	201.7,	232.0,	0.0);	(437745.8,	3724915.4,	202.1,	255.0,	0.0);
(437440.1,	3724955.0,	199.7,	199.7,	0.0);	(437426.8,	3724966.9,	199.2,	220.0,	0.0);
(437413.4,	3724978.9,	198.3,	220.0,	0.0);	(437400.0,	3724990.8,	197.4,	220.0,	0.0);
(437441.5,	3724930.8,	198.8,	198.8,	0.0);	(437457.5,	3724924.2,	199.2,	201.0,	0.0);
(437473.5,	3724917.6,	199.2,	199.2,	0.0);	(437489.5,	3724911.0,	198.6,	232.0,	0.0);
(437505.5,	3724904.4,	198.9,	232.0,	0.0);	(437585.5,	3724871.4,	200.7,	232.0,	0.0);
(437601.5,	3724864.8,	200.5,	232.0,	0.0);	(437625.8,	3724860.6,	200.6,	232.0,	0.0);
(437692.2,	3724880.1,	201.4,	250.0,	0.0);	(437708.8,	3724884.9,	201.7,	250.0,	0.0);
(437725.4,	3724889.8,	201.5,	255.0,	0.0);	(437742.0,	3724894.6,	201.7,	255.0,	0.0);
(437775.2,	3724904.4,	202.2,	255.0,	0.0);	(437791.8,	3724909.2,	202.8,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437426.8,	3724940.1,	198.3,	198.3,	0.0);	(437413.5,	3724952.0,	197.8,	220.0,	0.0);
(437400.1,	3724964.0,	197.3,	220.0,	0.0);	(437386.7,	3724975.9,	196.5,	220.0,	0.0);
(437421.6,	3724908.4,	196.5,	215.0,	0.0);	(437437.8,	3724901.7,	196.7,	196.7,	0.0);
(437454.0,	3724895.0,	196.7,	232.0,	0.0);	(437470.1,	3724888.3,	196.8,	232.0,	0.0);
(437486.3,	3724881.7,	196.8,	232.0,	0.0);	(437502.5,	3724875.0,	197.2,	232.0,	0.0);
(437567.3,	3724848.3,	199.3,	232.0,	0.0);	(437583.5,	3724841.6,	199.7,	232.0,	0.0);
(437599.7,	3724834.9,	200.5,	232.0,	0.0);	(437624.2,	3724830.7,	201.7,	232.0,	0.0);
(437641.1,	3724835.6,	202.1,	232.0,	0.0);	(437657.9,	3724840.5,	202.2,	232.0,	0.0);
(437725.1,	3724860.2,	201.8,	255.0,	0.0);	(437741.9,	3724865.1,	201.4,	255.0,	0.0);
(437775.5,	3724875.0,	202.2,	255.0,	0.0);	(437792.3,	3724879.9,	202.8,	255.0,	0.0);
(437809.1,	3724884.8,	203.0,	255.0,	0.0);	(437406.8,	3724917.7,	196.3,	220.0,	0.0);
(437393.5,	3724929.6,	196.2,	220.0,	0.0);	(437380.1,	3724941.6,	196.0,	220.0,	0.0);
(437366.7,	3724953.5,	195.3,	220.0,	0.0);	(437401.7,	3724886.0,	195.1,	220.0,	0.0);
(437418.0,	3724879.2,	195.1,	232.0,	0.0);	(437434.4,	3724872.5,	195.0,	232.0,	0.0);
(437450.7,	3724865.8,	195.4,	232.0,	0.0);	(437467.1,	3724859.0,	195.9,	232.0,	0.0);
(437483.4,	3724852.2,	196.1,	232.0,	0.0);	(437565.2,	3724818.5,	197.7,	232.0,	0.0);
(437581.5,	3724811.8,	199.3,	232.0,	0.0);	(437597.9,	3724805.0,	200.9,	232.0,	0.0);
(437622.7,	3724800.8,	202.7,	232.0,	0.0);	(437639.7,	3724805.7,	203.2,	232.0,	0.0);
(437656.7,	3724810.7,	203.5,	250.0,	0.0);	(437673.7,	3724815.7,	203.1,	250.0,	0.0);
(437690.6,	3724820.6,	202.9,	250.0,	0.0);	(437792.5,	3724850.4,	202.1,	255.0,	0.0);
(437809.5,	3724855.4,	202.5,	255.0,	0.0);	(437826.5,	3724860.4,	203.0,	255.0,	0.0);
(437386.8,	3724895.3,	194.9,	220.0,	0.0);	(437373.5,	3724907.3,	194.6,	220.0,	0.0);
(437360.1,	3724919.2,	194.4,	220.0,	0.0);	(437346.7,	3724931.2,	194.6,	220.0,	0.0);
(437381.8,	3724863.6,	194.0,	232.0,	0.0);	(437398.2,	3724856.8,	194.2,	232.0,	0.0);
(437414.7,	3724850.0,	194.3,	232.0,	0.0);	(437431.2,	3724843.2,	194.7,	232.0,	0.0);
(437447.7,	3724836.4,	195.0,	232.0,	0.0);	(437464.2,	3724829.6,	195.3,	232.0,	0.0);
(437546.7,	3724795.5,	196.9,	232.0,	0.0);	(437563.2,	3724788.7,	197.5,	250.0,	0.0);
(437579.7,	3724781.9,	199.9,	232.0,	0.0);	(437596.2,	3724775.1,	202.0,	232.0,	0.0);
(437621.2,	3724770.8,	204.7,	232.0,	0.0);	(437638.3,	3724775.8,	205.5,	232.0,	0.0);
(437655.5,	3724780.8,	206.1,	232.0,	0.0);	(437672.6,	3724785.9,	206.6,	250.0,	0.0);
(437689.7,	3724790.9,	206.4,	250.0,	0.0);	(437706.8,	3724795.9,	205.7,	250.0,	0.0);
(437366.8,	3724873.0,	193.2,	220.0,	0.0);	(437353.5,	3724884.9,	192.6,	220.0,	0.0);
(437340.1,	3724896.9,	192.5,	220.0,	0.0);	(437361.6,	3724841.3,	192.6,	232.0,	0.0);
(437377.7,	3724834.7,	193.5,	232.0,	0.0);	(437393.8,	3724828.0,	193.7,	232.0,	0.0);
(437409.8,	3724821.4,	194.0,	232.0,	0.0);	(437426.0,	3724814.7,	194.0,	232.0,	0.0);
(437442.0,	3724808.1,	194.1,	232.0,	0.0);	(437538.6,	3724768.2,	197.4,	232.0,	0.0);
(437554.7,	3724761.6,	198.4,	232.0,	0.0);	(437570.8,	3724755.0,	200.2,	232.0,	0.0);
(437586.9,	3724748.3,	202.2,	232.0,	0.0);	(437603.0,	3724741.7,	204.8,	232.0,	0.0);
(437619.4,	3724740.8,	207.0,	232.0,	0.0);	(437636.1,	3724745.7,	208.9,	232.0,	0.0);
(437652.8,	3724750.6,	210.3,	232.0,	0.0);	(437669.5,	3724755.5,	211.1,	232.0,	0.0);
(437686.3,	3724760.4,	212.1,	232.0,	0.0);	(437703.0,	3724765.3,	212.6,	232.0,	0.0);
(437753.1,	3724779.9,	206.6,	255.0,	0.0);	(437769.8,	3724784.8,	203.6,	255.0,	0.0);
(437786.5,	3724789.7,	202.3,	255.0,	0.0);	(437803.2,	3724794.6,	202.0,	255.0,	0.0);
(437820.0,	3724799.5,	202.0,	255.0,	0.0);	(437836.7,	3724804.4,	202.3,	255.0,	0.0);
(437853.4,	3724809.3,	203.0,	255.0,	0.0);	(437870.1,	3724814.2,	203.7,	255.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437346.8,	3724850.6,	191.8,	232.0,	0.0);	(437333.5,	3724862.5,	190.9,	232.0,	0.0);
(437341.6,	3724818.9,	190.8,	232.0,	0.0);	(437357.9,	3724812.2,	191.4,	232.0,	0.0);
(437374.1,	3724805.5,	192.3,	232.0,	0.0);	(437471.5,	3724765.3,	194.1,	232.0,	0.0);
(437487.7,	3724758.6,	194.6,	232.0,	0.0);	(437504.0,	3724751.9,	195.3,	232.0,	0.0);
(437520.2,	3724745.2,	196.6,	232.0,	0.0);	(437536.4,	3724738.5,	198.0,	232.0,	0.0);
(437552.6,	3724731.8,	199.4,	250.0,	0.0);	(437568.9,	3724725.1,	201.2,	232.0,	0.0);
(437585.1,	3724718.4,	203.6,	232.0,	0.0);	(437601.3,	3724711.8,	206.4,	232.0,	0.0);
(437617.9,	3724710.9,	209.2,	232.0,	0.0);	(437634.7,	3724715.8,	212.2,	232.0,	0.0);
(437651.6,	3724720.7,	215.1,	232.0,	0.0);	(437668.4,	3724725.7,	217.2,	232.0,	0.0);
(437735.8,	3724745.4,	216.7,	232.0,	0.0);	(437752.7,	3724750.3,	215.7,	232.0,	0.0);
(437769.5,	3724755.3,	216.1,	250.0,	0.0);	(437786.4,	3724760.2,	212.7,	250.0,	0.0);
(437803.2,	3724765.1,	209.3,	255.0,	0.0);	(437820.1,	3724770.1,	206.1,	255.0,	0.0);
(437853.8,	3724779.9,	204.2,	255.0,	0.0);	(437870.7,	3724784.9,	204.4,	255.0,	0.0);
(437887.5,	3724789.8,	204.9,	255.0,	0.0);	(437326.8,	3724828.2,	190.3,	232.0,	0.0);
(437313.5,	3724840.2,	189.8,	232.0,	0.0);	(437321.7,	3724796.5,	191.2,	232.0,	0.0);
(437338.0,	3724789.8,	190.8,	232.0,	0.0);	(437436.2,	3724749.3,	193.6,	232.0,	0.0);
(437452.5,	3724742.5,	193.7,	233.0,	0.0);	(437468.9,	3724735.8,	194.0,	233.0,	0.0);
(437485.2,	3724729.0,	194.5,	233.0,	0.0);	(437501.6,	3724722.3,	195.1,	250.0,	0.0);
(437517.9,	3724715.6,	196.5,	250.0,	0.0);	(437534.3,	3724708.8,	197.8,	250.0,	0.0);
(437550.6,	3724702.1,	199.2,	250.0,	0.0);	(437567.0,	3724695.3,	201.3,	250.0,	0.0);
(437583.3,	3724688.6,	204.6,	232.0,	0.0);	(437599.7,	3724681.8,	208.1,	232.0,	0.0);
(437616.3,	3724680.9,	211.0,	232.0,	0.0);	(437684.2,	3724700.8,	224.6,	232.0,	0.0);
(437701.2,	3724705.8,	225.2,	232.0,	0.0);	(437718.2,	3724710.7,	225.3,	232.0,	0.0);
(437735.2,	3724715.7,	225.4,	232.0,	0.0);	(437752.2,	3724720.7,	222.7,	232.0,	0.0);
(437769.1,	3724725.6,	220.1,	232.0,	0.0);	(437786.1,	3724730.6,	217.3,	250.0,	0.0);
(437871.0,	3724755.5,	206.0,	255.0,	0.0);	(437888.0,	3724760.4,	205.9,	255.0,	0.0);
(437905.0,	3724765.4,	206.4,	255.0,	0.0);	(437306.8,	3724805.9,	190.1,	232.0,	0.0);
(437301.8,	3724774.1,	190.5,	232.0,	0.0);	(437400.5,	3724733.4,	191.5,	233.0,	0.0);
(437417.0,	3724726.6,	192.2,	233.0,	0.0);	(437433.4,	3724719.8,	192.8,	233.0,	0.0);
(437449.9,	3724713.0,	193.3,	233.0,	0.0);	(437466.3,	3724706.2,	193.9,	233.0,	0.0);
(437482.8,	3724699.4,	194.1,	250.0,	0.0);	(437499.3,	3724692.6,	194.0,	250.0,	0.0);
(437515.7,	3724685.8,	195.4,	250.0,	0.0);	(437532.2,	3724679.0,	196.8,	250.0,	0.0);
(437548.6,	3724672.3,	199.1,	250.0,	0.0);	(437565.1,	3724665.5,	202.2,	250.0,	0.0);
(437581.6,	3724658.7,	206.0,	232.0,	0.0);	(437598.0,	3724651.9,	210.2,	232.0,	0.0);
(437649.0,	3724661.0,	222.7,	232.0,	0.0);	(437666.1,	3724666.0,	224.2,	232.0,	0.0);
(437683.2,	3724671.0,	226.5,	232.0,	0.0);	(437700.2,	3724676.0,	229.4,	232.0,	0.0);
(437717.3,	3724681.0,	230.0,	232.0,	0.0);	(437734.4,	3724686.0,	229.4,	231.0,	0.0);
(437751.5,	3724691.0,	226.7,	232.0,	0.0);	(437888.2,	3724731.0,	206.8,	255.0,	0.0);
(437905.3,	3724736.0,	207.2,	255.0,	0.0);	(437922.4,	3724741.0,	207.8,	255.0,	0.0);
(437381.1,	3724710.8,	190.1,	233.0,	0.0);	(437397.7,	3724703.9,	191.2,	233.0,	0.0);
(437414.3,	3724697.1,	192.2,	233.0,	0.0);	(437430.8,	3724690.3,	192.7,	233.0,	0.0);
(437447.4,	3724683.4,	193.3,	233.0,	0.0);	(437463.9,	3724676.6,	193.8,	233.0,	0.0);
(437480.5,	3724669.8,	194.0,	250.0,	0.0);	(437497.0,	3724662.9,	194.0,	250.0,	0.0);
(437513.6,	3724656.1,	194.8,	250.0,	0.0);	(437530.2,	3724649.3,	195.5,	250.0,	0.0);
(437699.2,	3724646.2,	227.3,	232.0,	0.0);	(437716.4,	3724651.2,	227.9,	232.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437785.1,	3724671.4,	215.8,	250.0,	0.0);	(437793.7,	3724673.9,	213.9,	250.0,	0.0);
(437810.9,	3724678.9,	210.8,	255.0,	0.0);	(437828.1,	3724683.9,	207.9,	255.0,	0.0);
(437845.3,	3724689.0,	207.1,	255.0,	0.0);	(437862.5,	3724694.0,	206.4,	255.0,	0.0);
(437879.7,	3724699.0,	207.9,	255.0,	0.0);	(437914.1,	3724709.1,	209.9,	255.0,	0.0);
(437931.2,	3724714.1,	211.5,	255.0,	0.0);	(437359.2,	3724689.2,	189.6,	233.0,	0.0);
(437375.5,	3724682.5,	190.3,	233.0,	0.0);	(437391.7,	3724675.8,	191.2,	233.0,	0.0);
(437408.0,	3724669.1,	191.9,	233.0,	0.0);	(437424.2,	3724662.4,	192.5,	233.0,	0.0);
(437440.5,	3724655.7,	193.0,	233.0,	0.0);	(437780.3,	3724640.4,	216.0,	250.0,	0.0);
(437797.2,	3724645.4,	212.5,	250.0,	0.0);	(437814.0,	3724650.3,	209.6,	255.0,	0.0);
(437830.9,	3724655.3,	207.1,	255.0,	0.0);	(437847.8,	3724660.2,	207.9,	255.0,	0.0);
(437864.7,	3724665.1,	208.6,	255.0,	0.0);	(437881.5,	3724670.1,	209.9,	255.0,	0.0);
(437898.4,	3724675.0,	211.3,	255.0,	0.0);	(437290.8,	3724686.8,	188.4,	233.0,	0.0);
(437307.1,	3724680.1,	189.1,	233.0,	0.0);	(437323.5,	3724673.3,	189.8,	233.0,	0.0);
(437339.8,	3724666.6,	190.0,	233.0,	0.0);	(437356.2,	3724659.8,	190.2,	233.0,	0.0);
(437372.5,	3724653.1,	190.8,	233.0,	0.0);	(437881.6,	3724640.6,	211.9,	255.0,	0.0);
(437264.1,	3724657.0,	189.1,	233.0,	0.0);	(437280.5,	3724650.2,	189.4,	233.0,	0.0);
(437296.8,	3724643.5,	189.8,	233.0,	0.0);	(437313.2,	3724636.8,	190.0,	233.0,	0.0);
(437329.5,	3724630.0,	190.0,	233.0,	0.0);	(437345.9,	3724623.3,	190.0,	233.0,	0.0);
(437160.1,	3724722.4,	197.4,	220.0,	0.0);	(437253.8,	3724620.4,	187.8,	233.0,	0.0);
(437270.2,	3724613.7,	188.6,	233.0,	0.0);	(437286.5,	3724606.9,	188.9,	233.0,	0.0);
(437302.9,	3724600.2,	189.2,	233.0,	0.0);	(437319.2,	3724593.4,	189.6,	233.0,	0.0);
(437133.5,	3724692.6,	192.7,	227.0,	0.0);	(437120.2,	3724650.8,	189.0,	227.0,	0.0);
(437106.8,	3724662.8,	188.0,	227.0,	0.0);	(437106.9,	3724609.1,	188.7,	226.0,	0.0);
(437093.5,	3724621.0,	187.4,	227.0,	0.0);	(437080.1,	3724633.0,	186.9,	227.0,	0.0);
(437080.2,	3724579.2,	185.2,	227.0,	0.0);	(437066.8,	3724591.2,	185.3,	227.0,	0.0);
(437053.5,	3724603.1,	186.5,	227.0,	0.0);	(437000.2,	3724543.5,	185.6,	227.0,	0.0);
(436986.9,	3724501.7,	191.6,	220.0,	0.0);	(436973.5,	3724513.7,	195.5,	214.0,	0.0);
(436986.9,	3724448.0,	186.6,	218.0,	0.0);	(436973.6,	3724460.0,	188.1,	218.0,	0.0);
(436960.2,	3724471.9,	191.1,	214.0,	0.0);	(436946.8,	3724483.9,	194.1,	214.0,	0.0);
(436975.1,	3724408.8,	186.1,	214.0,	0.0);	(436960.3,	3724418.2,	188.6,	214.0,	0.0);
(436946.9,	3724430.1,	191.7,	214.0,	0.0);	(436933.5,	3724442.1,	193.2,	214.0,	0.0);
(436920.2,	3724454.0,	193.5,	214.0,	0.0);	(437537.8,	3725189.8,	202.0,	217.0,	0.0);
(437530.5,	3725196.4,	201.8,	217.0,	0.0);	(437523.1,	3725203.0,	201.5,	217.0,	0.0);
(437538.5,	3725175.7,	201.3,	217.0,	0.0);	(437531.1,	3725182.3,	201.3,	217.0,	0.0);
(437523.8,	3725188.9,	201.2,	217.0,	0.0);	(437516.5,	3725195.6,	200.9,	217.0,	0.0);
(437531.8,	3725168.3,	201.1,	217.0,	0.0);	(437524.4,	3725174.9,	200.8,	217.0,	0.0);
(437517.1,	3725181.5,	200.7,	217.0,	0.0);	(437509.8,	3725188.1,	200.5,	217.0,	0.0);
(437525.1,	3725160.8,	200.9,	215.0,	0.0);	(437517.7,	3725167.5,	200.6,	215.0,	0.0);
(437510.4,	3725174.1,	200.4,	213.0,	0.0);	(437503.0,	3725180.7,	200.1,	213.0,	0.0);
(437518.4,	3725153.4,	200.6,	215.0,	0.0);	(437511.0,	3725160.0,	200.4,	215.0,	0.0);
(437503.7,	3725166.7,	200.1,	213.0,	0.0);	(437496.3,	3725173.3,	200.0,	200.0,	0.0);
(437489.0,	3725179.9,	200.0,	200.0,	0.0);	(437519.0,	3725139.4,	200.8,	215.0,	0.0);
(437511.7,	3725146.0,	200.4,	215.0,	0.0);	(437504.3,	3725152.6,	200.2,	213.0,	0.0);
(437497.0,	3725159.2,	200.0,	213.0,	0.0);	(437489.6,	3725165.9,	199.9,	199.9,	0.0);
(437482.3,	3725172.5,	199.9,	199.9,	0.0);	(437512.3,	3725131.9,	200.6,	215.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	437505.0,	3725138.6,	200.2,	215.0,	0.0);	(	437497.6,	3725145.2,	199.9,	213.0,	0.0);
(	437490.3,	3725151.8,	199.8,	199.8,	0.0);	(	437483.0,	3725158.4,	199.7,	199.7,	0.0);
(	437475.6,	3725165.1,	199.7,	199.7,	0.0);	(	437498.9,	3725117.1,	200.0,	213.0,	0.0);
(	437491.6,	3725123.7,	199.9,	213.0,	0.0);	(	437484.2,	3725130.3,	199.8,	199.8,	0.0);
(	437422.0,	3725105.7,	198.6,	220.0,	0.0);	(	437414.7,	3725112.3,	198.8,	220.0,	0.0);
(	437423.3,	3725077.6,	197.9,	220.0,	0.0);	(	437416.0,	3725084.2,	197.4,	220.0,	0.0);
(	437408.6,	3725090.8,	197.4,	220.0,	0.0);	(	437432.0,	3725042.8,	198.9,	220.0,	0.0);
(	437424.6,	3725049.5,	198.2,	220.0,	0.0);	(	437417.3,	3725056.1,	197.5,	220.0,	0.0);
(	437409.9,	3725062.7,	197.0,	220.0,	0.0);	(	437402.6,	3725069.3,	197.1,	220.0,	0.0);
(	437395.2,	3725076.0,	197.5,	220.0,	0.0);	(	437387.9,	3725082.6,	198.2,	220.0,	0.0);
(	437418.5,	3725028.0,	198.5,	220.0,	0.0);	(	437411.2,	3725034.6,	197.8,	220.0,	0.0);
(	437403.9,	3725041.2,	197.2,	220.0,	0.0);	(	437396.5,	3725047.9,	196.7,	220.0,	0.0);
(	437389.2,	3725054.5,	196.3,	220.0,	0.0);	(	437381.8,	3725061.1,	196.5,	220.0,	0.0);
(	437405.1,	3725013.1,	197.7,	220.0,	0.0);	(	437397.8,	3725019.8,	197.2,	220.0,	0.0);
(	437390.5,	3725026.4,	196.7,	220.0,	0.0);	(	437383.1,	3725033.0,	196.2,	220.0,	0.0);
(	437375.8,	3725039.6,	195.9,	220.0,	0.0);	(	437391.8,	3724998.3,	196.8,	220.0,	0.0);
(	437384.4,	3725004.9,	196.3,	220.0,	0.0);	(	437377.1,	3725011.5,	195.8,	220.0,	0.0);
(	437369.7,	3725018.2,	195.3,	220.0,	0.0);	(	437347.7,	3725038.0,	195.7,	220.0,	0.0);
(	437378.4,	3724983.4,	195.9,	220.0,	0.0);	(	437371.0,	3724990.1,	195.4,	220.0,	0.0);
(	437341.6,	3725016.6,	196.0,	220.0,	0.0);	(	437334.3,	3725023.2,	198.0,	220.0,	0.0);
(	437358.3,	3724961.2,	194.7,	220.0,	0.0);	(	437328.9,	3724987.7,	197.4,	220.0,	0.0);
(	437321.5,	3724994.3,	199.4,	220.0,	0.0);	(	437314.2,	3725000.9,	201.7,	220.0,	0.0);
(	437316.1,	3724958.8,	196.6,	220.0,	0.0);	(	437308.8,	3724965.4,	199.6,	220.0,	0.0);
(	437301.5,	3724972.0,	202.6,	220.0,	0.0);	(	437294.1,	3724978.6,	205.5,	220.0,	0.0);
(	437310.7,	3724923.2,	195.7,	220.0,	0.0);	(	437303.4,	3724929.9,	198.2,	220.0,	0.0);
(	437296.0,	3724936.5,	201.1,	220.0,	0.0);	(	437288.7,	3724943.1,	203.9,	220.0,	0.0);
(	437281.3,	3724949.8,	206.3,	219.0,	0.0);	(	437274.0,	3724956.4,	208.7,	217.0,	0.0);
(	437290.6,	3724901.0,	197.0,	220.0,	0.0);	(	437283.3,	3724907.6,	200.1,	220.0,	0.0);
(	437276.0,	3724914.2,	203.2,	219.0,	0.0);	(	437268.6,	3724920.8,	206.1,	217.0,	0.0);
(	437261.3,	3724927.5,	208.7,	217.0,	0.0);	(	437253.9,	3724934.1,	210.6,	216.0,	0.0);
(	437270.5,	3724878.7,	199.2,	220.0,	0.0);	(	437263.2,	3724885.3,	202.5,	217.0,	0.0);
(	437255.8,	3724891.9,	205.3,	217.0,	0.0);	(	437248.5,	3724898.6,	207.4,	216.0,	0.0);
(	437241.2,	3724905.2,	209.3,	216.0,	0.0);	(	437233.8,	3724911.8,	211.0,	214.0,	0.0);
(	437250.4,	3724856.4,	200.4,	217.0,	0.0);	(	437243.1,	3724863.0,	202.9,	217.0,	0.0);
(	437235.8,	3724869.7,	205.5,	216.0,	0.0);	(	437228.4,	3724876.3,	208.1,	208.1,	0.0);
(	437221.1,	3724882.9,	209.1,	209.1,	0.0);	(	437213.7,	3724889.5,	209.7,	209.7,	0.0);
(	437230.3,	3724834.1,	200.7,	217.0,	0.0);	(	437223.0,	3724840.8,	202.8,	216.0,	0.0);
(	437215.7,	3724847.4,	205.0,	214.0,	0.0);	(	437208.3,	3724854.0,	207.1,	210.0,	0.0);
(	437201.0,	3724860.6,	208.8,	208.8,	0.0);	(	437193.6,	3724867.3,	207.9,	210.0,	0.0);
(	437210.2,	3724811.9,	201.8,	210.0,	0.0);	(	437202.9,	3724818.5,	203.8,	210.0,	0.0);
(	437195.6,	3724825.1,	204.8,	210.0,	0.0);	(	437188.2,	3724831.8,	204.5,	210.0,	0.0);
(	437180.9,	3724838.4,	203.9,	210.0,	0.0);	(	437173.5,	3724845.0,	202.8,	214.0,	0.0);
(	437197.5,	3724783.0,	201.7,	201.7,	0.0);	(	437190.2,	3724789.6,	202.2,	208.0,	0.0);
(	437182.8,	3724796.2,	202.3,	208.0,	0.0);	(	437175.5,	3724802.8,	202.2,	210.0,	0.0);
(	437168.1,	3724809.5,	201.6,	220.0,	0.0);	(	437160.8,	3724816.1,	199.7,	226.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437153.4,	3724822.7,	197.8,	227.0,	0.0);	(437177.4,	3724760.7,	201.3,	201.3,	0.0);
(437170.1,	3724767.3,	202.0,	202.0,	0.0);	(437162.7,	3724773.9,	200.3,	220.0,	0.0);
(437155.4,	3724780.6,	198.3,	226.0,	0.0);	(437148.0,	3724787.2,	196.2,	227.0,	0.0);
(437140.7,	3724793.8,	194.3,	227.0,	0.0);	(437133.3,	3724800.4,	193.4,	228.0,	0.0);
(437150.6,	3724731.0,	196.7,	220.0,	0.0);	(437143.3,	3724737.6,	195.6,	226.0,	0.0);
(437135.9,	3724744.2,	194.3,	227.0,	0.0);	(437128.6,	3724750.9,	193.0,	227.0,	0.0);
(437121.2,	3724757.5,	192.0,	228.0,	0.0);	(437113.9,	3724764.1,	190.9,	228.0,	0.0);
(437106.5,	3724770.8,	190.8,	228.0,	0.0);	(437123.8,	3724701.3,	190.9,	227.0,	0.0);
(437116.5,	3724707.9,	189.5,	228.0,	0.0);	(437109.1,	3724714.5,	188.0,	228.0,	0.0);
(437101.8,	3724721.2,	188.7,	228.0,	0.0);	(437094.4,	3724727.8,	189.6,	228.0,	0.0);
(437087.1,	3724734.4,	190.8,	228.0,	0.0);	(437079.8,	3724741.0,	192.0,	228.0,	0.0);
(437097.0,	3724671.6,	188.1,	228.0,	0.0);	(437089.7,	3724678.2,	188.3,	228.0,	0.0);
(437082.3,	3724684.8,	188.6,	228.0,	0.0);	(437075.0,	3724691.5,	189.6,	228.0,	0.0);
(437067.6,	3724698.1,	191.2,	228.0,	0.0);	(437060.3,	3724704.7,	193.2,	228.0,	0.0);
(437053.0,	3724711.3,	195.4,	227.0,	0.0);	(437070.2,	3724641.9,	188.2,	227.0,	0.0);
(437062.9,	3724648.5,	189.3,	227.0,	0.0);	(437055.5,	3724655.1,	190.6,	227.0,	0.0);
(437048.2,	3724661.8,	192.0,	227.0,	0.0);	(437040.8,	3724668.4,	194.2,	227.0,	0.0);
(437033.5,	3724675.0,	196.5,	227.0,	0.0);	(437026.2,	3724681.6,	198.9,	220.0,	0.0);
(437043.4,	3724612.2,	188.1,	227.0,	0.0);	(437036.1,	3724618.8,	189.4,	227.0,	0.0);
(437028.8,	3724625.4,	190.8,	227.0,	0.0);	(437021.4,	3724632.1,	192.3,	227.0,	0.0);
(437014.1,	3724638.7,	193.5,	227.0,	0.0);	(437016.6,	3724582.5,	185.2,	227.0,	0.0);
(437009.3,	3724589.1,	186.6,	227.0,	0.0);	(437002.0,	3724595.8,	187.7,	227.0,	0.0);
(436994.6,	3724602.4,	188.6,	227.0,	0.0);	(436987.3,	3724609.0,	189.3,	227.0,	0.0);
(436979.9,	3724615.6,	190.0,	227.0,	0.0);	(436972.6,	3724622.2,	190.6,	227.0,	0.0);
(436989.8,	3724552.8,	186.0,	227.0,	0.0);	(436982.5,	3724559.4,	186.8,	227.0,	0.0);
(436975.2,	3724566.0,	187.1,	227.0,	0.0);	(436967.8,	3724572.7,	187.1,	227.0,	0.0);
(436960.5,	3724579.3,	187.1,	227.0,	0.0);	(436953.1,	3724585.9,	187.9,	227.0,	0.0);
(436945.8,	3724592.5,	188.4,	227.0,	0.0);	(436963.0,	3724523.1,	196.4,	214.0,	0.0);
(436955.7,	3724529.7,	196.3,	214.0,	0.0);	(436948.4,	3724536.3,	196.5,	214.0,	0.0);
(436941.0,	3724543.0,	196.7,	214.0,	0.0);	(436933.7,	3724549.6,	197.1,	214.0,	0.0);
(436936.3,	3724493.4,	197.1,	214.0,	0.0);	(436928.9,	3724500.0,	200.2,	214.0,	0.0);
(436921.6,	3724506.6,	203.3,	214.0,	0.0);	(436909.5,	3724463.7,	195.6,	214.0,	0.0);
(436902.1,	3724470.3,	197.5,	214.0,	0.0);					

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC Met Version: 16216
Profile file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93184 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	1.30	54.	9.1	999.0	-9.0
11	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	190.	9.1	999.0	-9.0
11	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	133.	9.1	999.0	-9.0
11	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	151.	9.1	999.0	-9.0
11	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	42.	9.1	999.0	-9.0
11	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.53	0.90	28.	9.1	999.0	-9.0
11	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.31	0.90	95.	9.1	999.0	-9.0
11	01	01	1	10	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.24	0.90	211.	9.1	999.0	-9.0
11	01	01	1	11	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	258.	9.1	999.0	-9.0
11	01	01	1	12	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	268.	9.1	999.0	-9.0
11	01	01	1	13	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	220.	9.1	999.0	-9.0
11	01	01	1	14	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	247.	9.1	999.0	-9.0
11	01	01	1	15	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.25	1.30	249.	9.1	999.0	-9.0
11	01	01	1	16	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.33	2.20	209.	9.1	999.0	-9.0
11	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.61	1.30	196.	9.1	999.0	-9.0
11	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	132.	9.1	999.0	-9.0
11	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	91.	9.1	999.0	-9.0
11	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	67.	9.1	999.0	-9.0
11	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	72.	9.1	999.0	-9.0
11	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	65.	9.1	999.0	-9.0
11	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	61.	9.1	999.0	-9.0
11	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	41.	9.1	999.0	-9.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	-999.0	99.0	-99.00	-99.00
11	01	01	01	9.1	1	54.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
IN	1ST HIGHEST VALUE IS	74.49902	AT (437338.34,	3725354.39,	220.25,	220.25,	0.00)	DC
	2ND HIGHEST VALUE IS	61.39233	AT (437335.28,	3725345.74,	219.77,	219.77,	0.00)	DC
	3RD HIGHEST VALUE IS	59.27097	AT (437340.44,	3725304.84,	214.86,	221.00,	0.00)	DC
	4TH HIGHEST VALUE IS	58.26836	AT (437363.39,	3725219.93,	207.37,	220.00,	0.00)	DC
	5TH HIGHEST VALUE IS	57.26187	AT (437318.33,	3725453.40,	211.18,	221.00,	0.00)	DC
	6TH HIGHEST VALUE IS	56.18056	AT (437359.44,	3725228.20,	207.52,	221.00,	0.00)	DC
	7TH HIGHEST VALUE IS	51.99145	AT (437332.23,	3725337.10,	219.41,	219.41,	0.00)	DC
	8TH HIGHEST VALUE IS	50.30542	AT (437337.33,	3725296.03,	213.81,	221.00,	0.00)	DC
	9TH HIGHEST VALUE IS	47.71668	AT (437311.95,	3725475.93,	211.23,	212.00,	0.00)	DC
	10TH HIGHEST VALUE IS	47.52621	AT (437327.33,	3725352.42,	220.56,	220.56,	0.00)	DC
ONSITE1	1ST HIGHEST VALUE IS	249.40961	AT (437653.57,	3725159.91,	213.27,	213.27,	0.00)	DC
	2ND HIGHEST VALUE IS	201.32374	AT (437688.00,	3725172.33,	214.37,	214.37,	0.00)	DC
	3RD HIGHEST VALUE IS	196.86024	AT (437673.70,	3725162.06,	214.17,	214.17,	0.00)	DC
	4TH HIGHEST VALUE IS	188.01550	AT (437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC
	5TH HIGHEST VALUE IS	187.67095	AT (437639.26,	3725149.64,	212.04,	214.00,	0.00)	DC
	6TH HIGHEST VALUE IS	173.88588	AT (437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC
	7TH HIGHEST VALUE IS	172.73721	AT (437659.40,	3725151.79,	214.01,	214.01,	0.00)	DC
	8TH HIGHEST VALUE IS	146.21906	AT (437693.84,	3725164.21,	214.68,	214.68,	0.00)	DC
	9TH HIGHEST VALUE IS	142.74880	AT (437679.54,	3725153.94,	214.74,	214.74,	0.00)	DC
	10TH HIGHEST VALUE IS	139.24511	AT (437645.10,	3725141.52,	213.47,	213.47,	0.00)	DC
OUT	1ST HIGHEST VALUE IS	62.92524	AT (437384.78,	3725467.22,	212.65,	220.00,	0.00)	DC
	2ND HIGHEST VALUE IS	50.23593	AT (437570.09,	3725548.91,	207.08,	246.00,	0.00)	DC
	3RD HIGHEST VALUE IS	48.83252	AT (437406.79,	3725326.23,	210.29,	221.00,	0.00)	DC
	4TH HIGHEST VALUE IS	47.71245	AT (437414.72,	3725477.50,	212.95,	225.00,	0.00)	DC
	5TH HIGHEST VALUE IS	47.11306	AT (437560.28,	3725540.95,	207.14,	246.00,	0.00)	DC
	6TH HIGHEST VALUE IS	45.84409	AT (437399.60,	3725453.79,	211.76,	211.76,	0.00)	DC
	7TH HIGHEST VALUE IS	45.80366	AT (437488.22,	3725505.95,	209.75,	228.00,	0.00)	DC
	8TH HIGHEST VALUE IS	44.60208	AT (437424.58,	3725265.58,	204.94,	221.00,	0.00)	DC
	9TH HIGHEST VALUE IS	44.56052	AT (437443.11,	3725486.60,	212.04,	227.00,	0.00)	DC
	10TH HIGHEST VALUE IS	44.51122	AT (437552.89,	3725534.67,	207.18,	245.00,	0.00)	DC
STCK1	1ST HIGHEST VALUE IS	134.33744	AT (437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC
	2ND HIGHEST VALUE IS	120.99913	AT (437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC
	3RD HIGHEST VALUE IS	109.98089	AT (437715.39,	3725179.46,	215.27,	215.27,	0.00)	DC
	4TH HIGHEST VALUE IS	100.73506	AT (437707.64,	3725174.13,	214.94,	214.94,	0.00)	DC
	5TH HIGHEST VALUE IS	96.71731	AT (437688.00,	3725172.33,	214.37,	214.37,	0.00)	DC
	6TH HIGHEST VALUE IS	90.98506	AT (437721.06,	3725171.22,	215.58,	215.58,	0.00)	DC
	7TH HIGHEST VALUE IS	84.51814	AT (437713.30,	3725165.89,	215.12,	215.12,	0.00)	DC
	8TH HIGHEST VALUE IS	83.52135	AT (437693.84,	3725164.21,	214.68,	214.68,	0.00)	DC

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 9TH HIGHEST VALUE IS      76.07917 AT (  437726.72,  3725162.98,   215.39,   215.39,    0.00)  DC
10TH HIGHEST VALUE IS      75.99359 AT (  437673.70,  3725162.06,   214.17,   214.17,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
STCK10	1ST HIGHEST VALUE IS	201.26081 AT	(437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC	
	2ND HIGHEST VALUE IS	194.31867 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC	
	3RD HIGHEST VALUE IS	187.63770 AT	(437688.00,	3725172.33,	214.37,	214.37,	0.00)	DC	
	4TH HIGHEST VALUE IS	154.54852 AT	(437673.70,	3725162.06,	214.17,	214.17,	0.00)	DC	
	5TH HIGHEST VALUE IS	151.55228 AT	(437707.64,	3725174.13,	214.94,	214.94,	0.00)	DC	
	6TH HIGHEST VALUE IS	147.23998 AT	(437715.39,	3725179.46,	215.27,	215.27,	0.00)	DC	
	7TH HIGHEST VALUE IS	144.53158 AT	(437653.57,	3725159.91,	213.27,	213.27,	0.00)	DC	
	8TH HIGHEST VALUE IS	143.97856 AT	(437693.84,	3725164.21,	214.68,	214.68,	0.00)	DC	
	9TH HIGHEST VALUE IS	122.98828 AT	(437679.54,	3725153.94,	214.74,	214.74,	0.00)	DC	
	10TH HIGHEST VALUE IS	119.52517 AT	(437659.40,	3725151.79,	214.01,	214.01,	0.00)	DC	
STCK11	1ST HIGHEST VALUE IS	203.96089 AT	(437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC	
	2ND HIGHEST VALUE IS	201.44041 AT	(437688.00,	3725172.33,	214.37,	214.37,	0.00)	DC	
	3RD HIGHEST VALUE IS	190.60964 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC	
	4TH HIGHEST VALUE IS	171.84737 AT	(437673.70,	3725162.06,	214.17,	214.17,	0.00)	DC	
	5TH HIGHEST VALUE IS	165.87652 AT	(437653.57,	3725159.91,	213.27,	213.27,	0.00)	DC	
	6TH HIGHEST VALUE IS	153.94865 AT	(437707.64,	3725174.13,	214.94,	214.94,	0.00)	DC	
	7TH HIGHEST VALUE IS	152.54105 AT	(437693.84,	3725164.21,	214.68,	214.68,	0.00)	DC	
	8TH HIGHEST VALUE IS	145.79850 AT	(437715.39,	3725179.46,	215.27,	215.27,	0.00)	DC	
	9TH HIGHEST VALUE IS	134.20885 AT	(437659.40,	3725151.79,	214.01,	214.01,	0.00)	DC	
	10TH HIGHEST VALUE IS	134.01674 AT	(437679.54,	3725153.94,	214.74,	214.74,	0.00)	DC	
STCK12	1ST HIGHEST VALUE IS	94.00688 AT	(437801.05,	3725247.31,	219.64,	219.64,	0.00)	DC	
	2ND HIGHEST VALUE IS	93.23172 AT	(437796.70,	3725239.12,	219.73,	219.73,	0.00)	DC	
	3RD HIGHEST VALUE IS	79.91416 AT	(437815.01,	3725258.24,	219.64,	219.64,	0.00)	DC	
	4TH HIGHEST VALUE IS	78.07177 AT	(437809.88,	3725242.62,	219.86,	219.86,	0.00)	DC	
	5TH HIGHEST VALUE IS	77.44037 AT	(437805.54,	3725234.44,	220.00,	220.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	71.12131 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC	
	7TH HIGHEST VALUE IS	67.91422 AT	(437824.00,	3725255.04,	219.88,	219.88,	0.00)	DC	
	8TH HIGHEST VALUE IS	66.05663 AT	(437818.71,	3725237.94,	219.98,	219.98,	0.00)	DC	
	9TH HIGHEST VALUE IS	65.66594 AT	(437814.37,	3725229.75,	220.00,	220.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	65.58295 AT	(437823.06,	3725246.12,	219.93,	219.93,	0.00)	DC	
STCK13	1ST HIGHEST VALUE IS	99.12374 AT	(437801.05,	3725247.31,	219.64,	219.64,	0.00)	DC	
	2ND HIGHEST VALUE IS	96.00565 AT	(437796.70,	3725239.12,	219.73,	219.73,	0.00)	DC	
	3RD HIGHEST VALUE IS	86.74671 AT	(437815.01,	3725258.24,	219.64,	219.64,	0.00)	DC	
	4TH HIGHEST VALUE IS	81.90881 AT	(437809.88,	3725242.62,	219.86,	219.86,	0.00)	DC	
	5TH HIGHEST VALUE IS	79.69595 AT	(437805.54,	3725234.44,	220.00,	220.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	73.18223 AT	(437824.00,	3725255.04,	219.88,	219.88,	0.00)	DC	
	7TH HIGHEST VALUE IS	69.58045 AT	(437823.06,	3725246.12,	219.93,	219.93,	0.00)	DC	
	8TH HIGHEST VALUE IS	69.02068 AT	(437818.71,	3725237.94,	219.98,	219.98,	0.00)	DC	

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 9TH HIGHEST VALUE IS      67.53128 AT (  437814.37,  3725229.75,   220.00,   220.00,    0.00)  DC
10TH HIGHEST VALUE IS      65.24354 AT (  437810.02,  3725221.56,   220.00,   220.00,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
STCK14	1ST HIGHEST VALUE IS	97.34061 AT	(437801.05,	3725247.31,	219.64,	219.64,	0.00)	DC
	2ND HIGHEST VALUE IS	95.38294 AT	(437796.70,	3725239.12,	219.73,	219.73,	0.00)	DC
	3RD HIGHEST VALUE IS	83.86392 AT	(437815.01,	3725258.24,	219.64,	219.64,	0.00)	DC
	4TH HIGHEST VALUE IS	80.54905 AT	(437809.88,	3725242.62,	219.86,	219.86,	0.00)	DC
	5TH HIGHEST VALUE IS	79.11868 AT	(437805.54,	3725234.44,	220.00,	220.00,	0.00)	DC
	6TH HIGHEST VALUE IS	70.95386 AT	(437824.00,	3725255.04,	219.88,	219.88,	0.00)	DC
	7TH HIGHEST VALUE IS	67.98344 AT	(437823.06,	3725246.12,	219.93,	219.93,	0.00)	DC
	8TH HIGHEST VALUE IS	67.95578 AT	(437818.71,	3725237.94,	219.98,	219.98,	0.00)	DC
	9TH HIGHEST VALUE IS	67.01048 AT	(437814.37,	3725229.75,	220.00,	220.00,	0.00)	DC
	10TH HIGHEST VALUE IS	66.06073 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC
STCK2	1ST HIGHEST VALUE IS	188.30167 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC
	2ND HIGHEST VALUE IS	178.50722 AT	(437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC
	3RD HIGHEST VALUE IS	147.19234 AT	(437688.00,	3725172.33,	214.37,	214.37,	0.00)	DC
	4TH HIGHEST VALUE IS	142.07231 AT	(437715.39,	3725179.46,	215.27,	215.27,	0.00)	DC
	5TH HIGHEST VALUE IS	136.97265 AT	(437707.64,	3725174.13,	214.94,	214.94,	0.00)	DC
	6TH HIGHEST VALUE IS	118.42143 AT	(437693.84,	3725164.21,	214.68,	214.68,	0.00)	DC
	7TH HIGHEST VALUE IS	114.58005 AT	(437673.70,	3725162.06,	214.17,	214.17,	0.00)	DC
	8TH HIGHEST VALUE IS	112.16076 AT	(437721.06,	3725171.22,	215.58,	215.58,	0.00)	DC
	9TH HIGHEST VALUE IS	109.23135 AT	(437713.30,	3725165.89,	215.12,	215.12,	0.00)	DC
	10TH HIGHEST VALUE IS	99.45214 AT	(437653.57,	3725159.91,	213.27,	213.27,	0.00)	DC
STCK3	1ST HIGHEST VALUE IS	172.57775 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC
	2ND HIGHEST VALUE IS	158.60428 AT	(437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC
	3RD HIGHEST VALUE IS	133.33296 AT	(437715.39,	3725179.46,	215.27,	215.27,	0.00)	DC
	4TH HIGHEST VALUE IS	127.09075 AT	(437688.00,	3725172.33,	214.37,	214.37,	0.00)	DC
	5TH HIGHEST VALUE IS	125.77672 AT	(437707.64,	3725174.13,	214.94,	214.94,	0.00)	DC
	6TH HIGHEST VALUE IS	106.16180 AT	(437721.06,	3725171.22,	215.58,	215.58,	0.00)	DC
	7TH HIGHEST VALUE IS	105.62637 AT	(437693.84,	3725164.21,	214.68,	214.68,	0.00)	DC
	8TH HIGHEST VALUE IS	101.74539 AT	(437713.30,	3725165.89,	215.12,	215.12,	0.00)	DC
	9TH HIGHEST VALUE IS	98.10029 AT	(437673.70,	3725162.06,	214.17,	214.17,	0.00)	DC
	10TH HIGHEST VALUE IS	88.61023 AT	(437699.67,	3725156.09,	214.89,	214.89,	0.00)	DC
STCK4	1ST HIGHEST VALUE IS	153.97598 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC
	2ND HIGHEST VALUE IS	139.60319 AT	(437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC
	3RD HIGHEST VALUE IS	123.26030 AT	(437715.39,	3725179.46,	215.27,	215.27,	0.00)	DC
	4TH HIGHEST VALUE IS	113.73103 AT	(437707.64,	3725174.13,	214.94,	214.94,	0.00)	DC
	5TH HIGHEST VALUE IS	111.39959 AT	(437688.00,	3725172.33,	214.37,	214.37,	0.00)	DC
	6TH HIGHEST VALUE IS	100.02610 AT	(437721.06,	3725171.22,	215.58,	215.58,	0.00)	DC
	7TH HIGHEST VALUE IS	94.51513 AT	(437693.84,	3725164.21,	214.68,	214.68,	0.00)	DC
	8TH HIGHEST VALUE IS	93.82287 AT	(437713.30,	3725165.89,	215.12,	215.12,	0.00)	DC

```
 9TH HIGHEST VALUE IS      86.62936 AT (  437673.70,  3725162.06,   214.17,   214.17,    0.00)  DC
10TH HIGHEST VALUE IS      82.77924 AT (  437726.72,  3725162.98,   215.39,   215.39,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
STCK5	1ST HIGHEST VALUE IS	117.65421 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC	
	2ND HIGHEST VALUE IS	105.29757 AT	(437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC	
	3RD HIGHEST VALUE IS	98.42644 AT	(437715.39,	3725179.46,	215.27,	215.27,	0.00)	DC	
	4TH HIGHEST VALUE IS	89.50222 AT	(437707.64,	3725174.13,	214.94,	214.94,	0.00)	DC	
	5TH HIGHEST VALUE IS	84.19172 AT	(437688.00,	3725172.33,	214.37,	214.37,	0.00)	DC	
	6TH HIGHEST VALUE IS	82.80415 AT	(437721.06,	3725171.22,	215.58,	215.58,	0.00)	DC	
	7TH HIGHEST VALUE IS	78.40007 AT	(437796.70,	3725239.12,	219.73,	219.73,	0.00)	DC	
	8TH HIGHEST VALUE IS	76.35015 AT	(437713.30,	3725165.89,	215.12,	215.12,	0.00)	DC	
	9TH HIGHEST VALUE IS	75.00090 AT	(437801.05,	3725247.31,	219.64,	219.64,	0.00)	DC	
	10TH HIGHEST VALUE IS	73.96405 AT	(437693.84,	3725164.21,	214.68,	214.68,	0.00)	DC	
STCK6	1ST HIGHEST VALUE IS	91.23804 AT	(437796.70,	3725239.12,	219.73,	219.73,	0.00)	DC	
	2ND HIGHEST VALUE IS	90.48371 AT	(437801.05,	3725247.31,	219.64,	219.64,	0.00)	DC	
	3RD HIGHEST VALUE IS	80.38115 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC	
	4TH HIGHEST VALUE IS	75.93325 AT	(437805.54,	3725234.44,	220.00,	220.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	75.52723 AT	(437815.01,	3725258.24,	219.64,	219.64,	0.00)	DC	
	6TH HIGHEST VALUE IS	75.51794 AT	(437809.88,	3725242.62,	219.86,	219.86,	0.00)	DC	
	7TH HIGHEST VALUE IS	71.87608 AT	(437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC	
	8TH HIGHEST VALUE IS	70.53684 AT	(437715.39,	3725179.46,	215.27,	215.27,	0.00)	DC	
	9TH HIGHEST VALUE IS	64.55627 AT	(437824.00,	3725255.04,	219.88,	219.88,	0.00)	DC	
	10TH HIGHEST VALUE IS	64.48733 AT	(437814.37,	3725229.75,	220.00,	220.00,	0.00)	DC	
STCK7	1ST HIGHEST VALUE IS	90.18088 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC	
	2ND HIGHEST VALUE IS	88.33875 AT	(437796.70,	3725239.12,	219.73,	219.73,	0.00)	DC	
	3RD HIGHEST VALUE IS	86.42066 AT	(437801.05,	3725247.31,	219.64,	219.64,	0.00)	DC	
	4TH HIGHEST VALUE IS	80.52960 AT	(437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC	
	5TH HIGHEST VALUE IS	78.13797 AT	(437715.39,	3725179.46,	215.27,	215.27,	0.00)	DC	
	6TH HIGHEST VALUE IS	73.81453 AT	(437805.54,	3725234.44,	220.00,	220.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	72.58237 AT	(437809.88,	3725242.62,	219.86,	219.86,	0.00)	DC	
	8TH HIGHEST VALUE IS	71.24710 AT	(437815.01,	3725258.24,	219.64,	219.64,	0.00)	DC	
	9TH HIGHEST VALUE IS	70.70974 AT	(437707.64,	3725174.13,	214.94,	214.94,	0.00)	DC	
	10TH HIGHEST VALUE IS	67.70134 AT	(437721.06,	3725171.22,	215.58,	215.58,	0.00)	DC	
STCK8	1ST HIGHEST VALUE IS	102.11537 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC	
	2ND HIGHEST VALUE IS	91.21855 AT	(437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC	
	3RD HIGHEST VALUE IS	87.13704 AT	(437715.39,	3725179.46,	215.27,	215.27,	0.00)	DC	
	4TH HIGHEST VALUE IS	84.02013 AT	(437796.70,	3725239.12,	219.73,	219.73,	0.00)	DC	
	5TH HIGHEST VALUE IS	81.18670 AT	(437801.05,	3725247.31,	219.64,	219.64,	0.00)	DC	
	6TH HIGHEST VALUE IS	78.97321 AT	(437707.64,	3725174.13,	214.94,	214.94,	0.00)	DC	
	7TH HIGHEST VALUE IS	74.50984 AT	(437721.06,	3725171.22,	215.58,	215.58,	0.00)	DC	
	8TH HIGHEST VALUE IS	73.30265 AT	(437688.00,	3725172.33,	214.37,	214.37,	0.00)	DC	

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 9TH HIGHEST VALUE IS      70.66554 AT (  437805.54,  3725234.44,   220.00,   220.00,    0.00)  DC
10TH HIGHEST VALUE IS      68.75960 AT (  437809.88,  3725242.62,   219.86,   219.86,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
STCK9	1ST HIGHEST VALUE IS	198.20479 AT	(437709.73,	3725187.70,	214.62,	214.62,	0.00)	DC	
	2ND HIGHEST VALUE IS	197.42538 AT	(437701.97,	3725182.37,	214.48,	214.48,	0.00)	DC	
	3RD HIGHEST VALUE IS	173.05166 AT	(437688.00,	3725172.33,	214.37,	214.37,	0.00)	DC	
	4TH HIGHEST VALUE IS	148.90783 AT	(437715.39,	3725179.46,	215.27,	215.27,	0.00)	DC	
	5TH HIGHEST VALUE IS	148.89804 AT	(437707.64,	3725174.13,	214.94,	214.94,	0.00)	DC	
	6TH HIGHEST VALUE IS	137.80962 AT	(437673.70,	3725162.06,	214.17,	214.17,	0.00)	DC	
	7TH HIGHEST VALUE IS	135.06949 AT	(437693.84,	3725164.21,	214.68,	214.68,	0.00)	DC	
	8TH HIGHEST VALUE IS	124.65645 AT	(437653.57,	3725159.91,	213.27,	213.27,	0.00)	DC	
	9TH HIGHEST VALUE IS	117.23737 AT	(437713.30,	3725165.89,	215.12,	215.12,	0.00)	DC	
	10TH HIGHEST VALUE IS	116.96760 AT	(437721.06,	3725171.22,	215.58,	215.58,	0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
IN	HIGH 1ST HIGH VALUE IS	242.98461	ON 12022717:	AT (437318.33, 3725453.40, 211.18, 221.00, 0.00)	DC	
ONSITE1	HIGH 1ST HIGH VALUE IS	1287.53704	ON 11033018:	AT (437653.57, 3725159.91, 213.27, 213.27, 0.00)	DC	
OUT	HIGH 1ST HIGH VALUE IS	176.24925	ON 12022717:	AT (437318.33, 3725453.40, 211.18, 221.00, 0.00)	DC	
STCK1	HIGH 1ST HIGH VALUE IS	511.91753	ON 16012817:	AT (437709.73, 3725187.70, 214.62, 214.62, 0.00)	DC	
STCK10	HIGH 1ST HIGH VALUE IS	684.57646	ON 16040418:	AT (437709.73, 3725187.70, 214.62, 214.62, 0.00)	DC	
STCK11	HIGH 1ST HIGH VALUE IS	710.49135	ON 16040418:	AT (437701.97, 3725182.37, 214.48, 214.48, 0.00)	DC	
STCK12	HIGH 1ST HIGH VALUE IS	399.75660	ON 14012917:	AT (437801.05, 3725247.31, 219.64, 219.64, 0.00)	DC	
STCK13	HIGH 1ST HIGH VALUE IS	382.81492	ON 14012917:	AT (437815.01, 3725258.24, 219.64, 219.64, 0.00)	DC	
STCK14	HIGH 1ST HIGH VALUE IS	395.55640	ON 11101817:	AT (437801.05, 3725247.31, 219.64, 219.64, 0.00)	DC	
STCK2	HIGH 1ST HIGH VALUE IS	652.02977	ON 16012817:	AT (437701.97, 3725182.37, 214.48, 214.48, 0.00)	DC	
STCK3	HIGH 1ST HIGH VALUE IS	611.96179	ON 16012817:	AT (437701.97, 3725182.37, 214.48, 214.48, 0.00)	DC	
STCK4	HIGH 1ST HIGH VALUE IS	574.97908	ON 16012817:	AT (437709.73, 3725187.70, 214.62, 214.62, 0.00)	DC	
STCK5	HIGH 1ST HIGH VALUE IS	433.60518	ON 16012817:	AT (437709.73, 3725187.70, 214.62, 214.62, 0.00)	DC	
STCK6	HIGH 1ST HIGH VALUE IS	396.93915	ON 14012917:	AT (437801.05, 3725247.31, 219.64, 219.64, 0.00)	DC	
STCK7	HIGH 1ST HIGH VALUE IS	392.21138	ON 14012917:	AT (437796.70, 3725239.12, 219.73, 219.73, 0.00)	DC	
STCK8	HIGH 1ST HIGH VALUE IS	364.17363	ON 14012917:	AT (437796.70, 3725239.12, 219.73, 219.73, 0.00)	DC	
STCK9	HIGH 1ST HIGH VALUE IS	696.34331	ON 16012817:	AT (437688.00, 3725172.33, 214.37, 214.37, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   4 Warning Message(s)
A Total of   868 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   15 Calm Hours Identified

A Total of   853 Missing Hours Identified (1.95 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   2541   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   2541   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450   35065   CHKDAT: Record Out of Sequence in Meteorological File at: 16010101
MX W450   35065   CHKDAT: Record Out of Sequence in Meteorological File at: 1 year gap

   ****
   *** AERMOD Finishes Successfully ***
   ****

HARP Project Summary Report 8/8/2024 6:04:31 AM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_OP
Project Output Directory: D:\LSA\2024\CLF2101.4A\HARP_OP
HARP Database: NA

POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH22013
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
75070	Acetaldehyde	0.01		470	140		300
107028	Acrolein			2.5	0.35		0.7
71432	Benzene	0.1		27	3		3
106990	1,3-Butadiene	0.6		660	2		9
100414	Ethyl Benzene	0.0087			2000		
50000	Formaldehyde	0.021		55	9		9
110543	Hexane				7000		
67561	Methanol			28000	4000		
78933	MEK			13000			
91203	Naphthalene	0.12			9		
115071	Propylene				3000		
100425	Styrene			21000	900		
108883	Toluene			5000	420		830
1330207	Xylenes			22000	700		
9901	DieselExhPM	1.1			5		

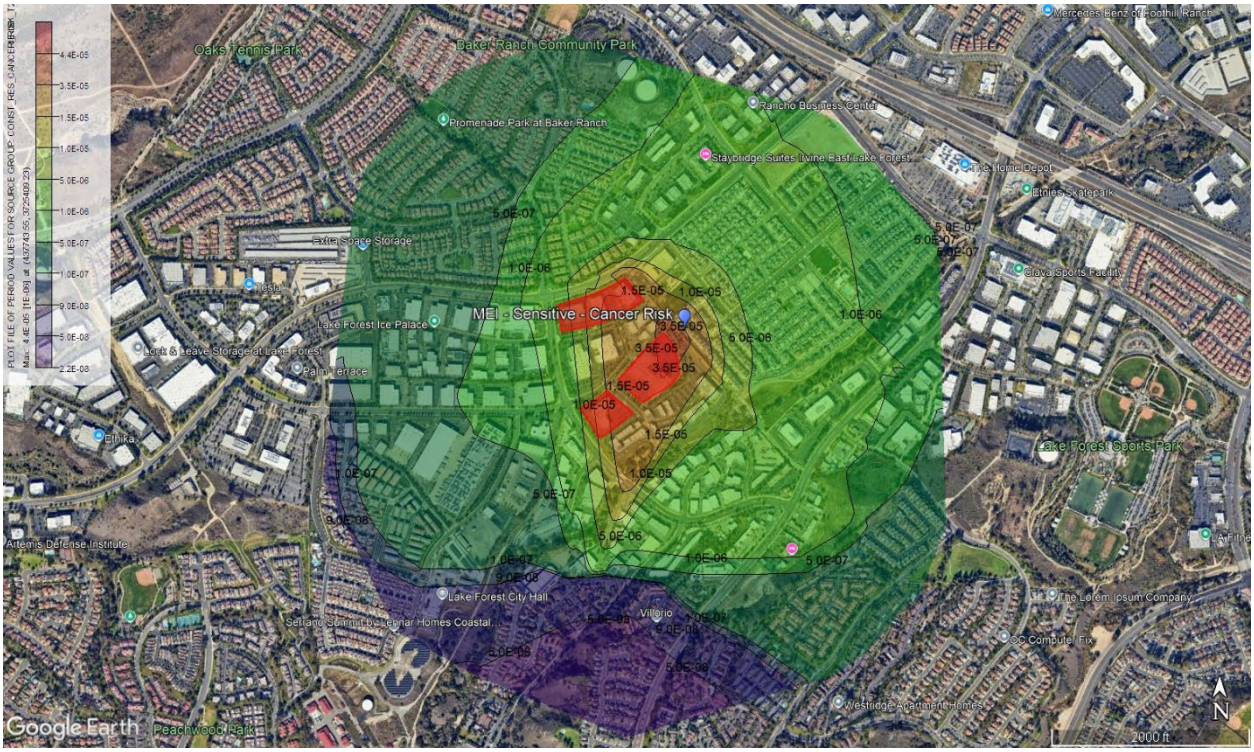
APPENDIX C

CUMULATIVE CONSTRUCTION HRA MODEL OUTPUTS

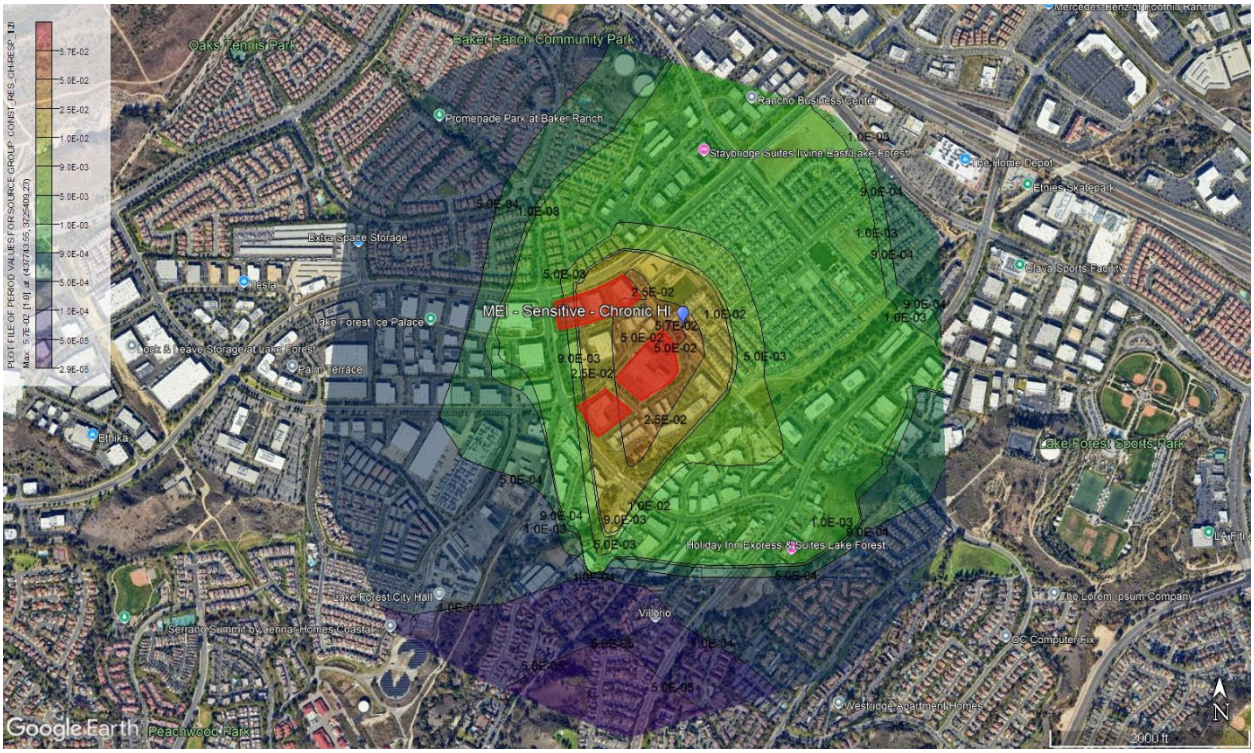
Receptor Grid



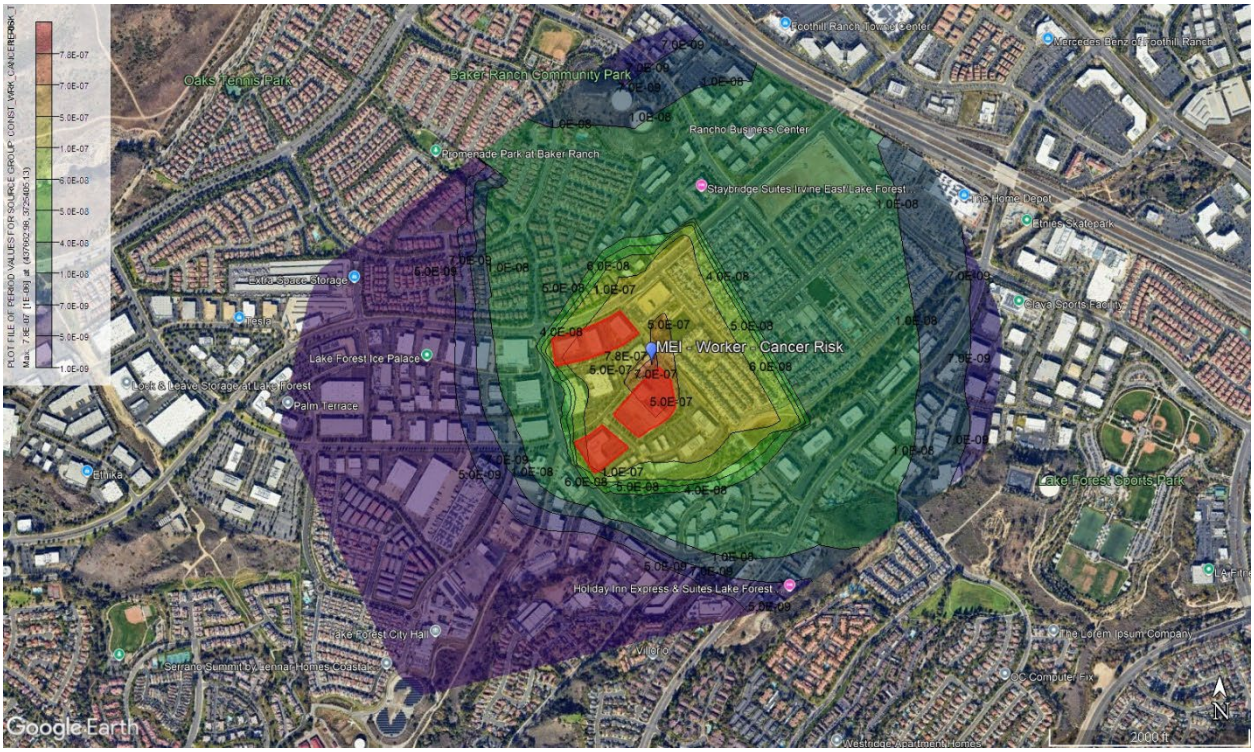
Construction Cancer Risk – Sensitive Receptor



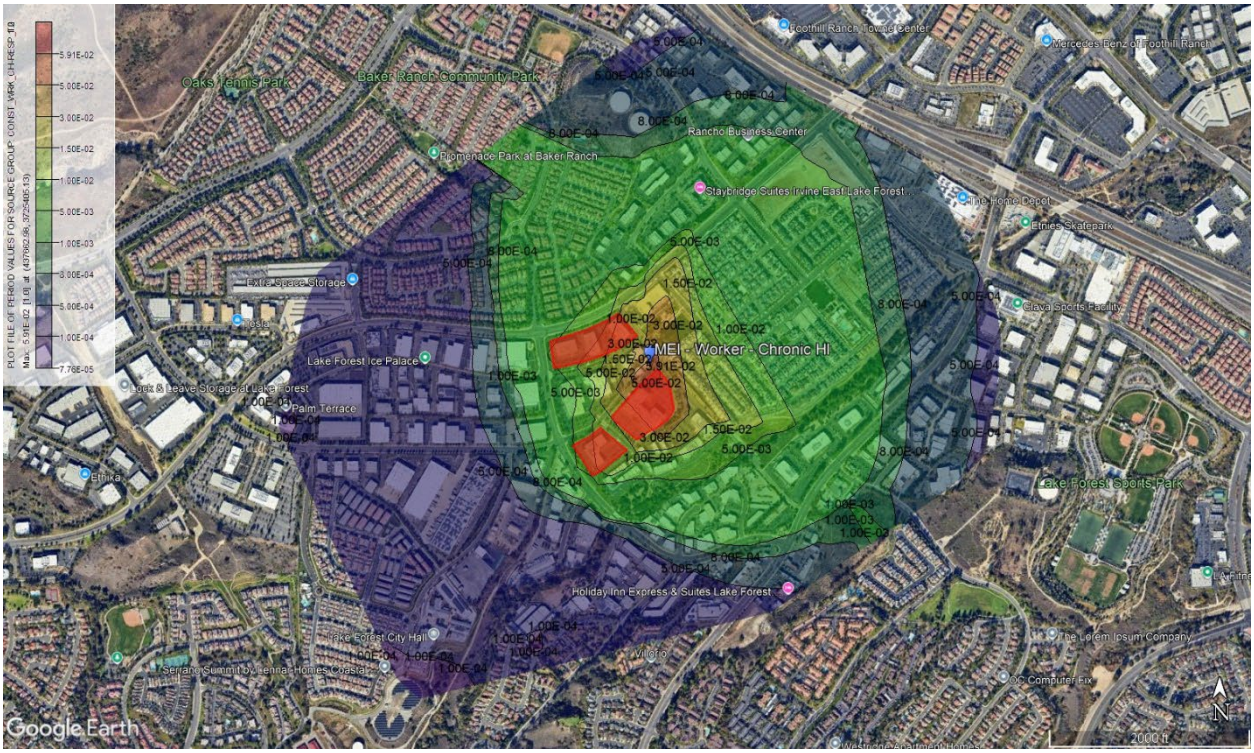
Construction Chronic Health Index - Sensitive Receptor



Construction Cancer Risk – Worker Receptor



Construction Chronic Health Index - Worker Receptor



	Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 1866 X: 437750.64 Y: 3725402.77			
	T2	T2L3	T3	T4
	43.54	8.64	46.09	4.84
CLF2101	41.14	8.08	43.42	4.46
Project 1	1.77	0.41	1.97	0.25
Project 2	0.62	0.14	0.69	0.10
	MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 1866 X: 437750.64 Y: 3725402.77			
	T2	T2L3	T3	T4
	5.66E-02	1.13E-02	6.02E-02	6.33E-03
CLF2101	5.37E-02	1.06E-02	5.70E-02	5.87E-03
Project 1	2.10E-03	4.76E-04	2.29E-03	3.29E-04
Project 2	8.25E-04	1.88E-04	9.12E-04	1.28E-04
	MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
	T2	T2L3	T3	T4
	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	MEI (Sensitive) - PM 2.5 HARP Rec #: 1866 X: 437750.64 Y: 3725402.77			
	T2	T2L3	T3	T4
	0.283	0.056	0.301	0.032
CLF2101	0.268	0.053	0.285	0.029
Project 1	0.011	0.002	0.011	0.002
Project 2	0.004	0.001	0.005	0.001

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 1023 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4
0.78	0.156	0.83	0.09
0.699	0.14	0.74	0.08
0.066	0.02	0.07	0.01
0.016	0.00	0.02	0.00
MEI (Worker) - Chronic Hazard Index HARP Rec #: 1023 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4
5.91E-02	1.18E-02	6.30E-02	6.74E-03
5.33E-02	1.05E-02	5.66E-02	5.83E-03
4.56E-03	1.03E-03	4.96E-03	7.14E-04
1.24E-03	2.82E-04	1.37E-03	1.92E-04
MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T3	T4
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Worker) - PM 2.5 HARP Rec #: 1023 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4
0.296	0.051	0.268	0.029
0.223	0.044	0.236	0.024
0.023	0.005	0.025	0.004
0.006	0.001	0.007	0.001

Operational Sensitive Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
30 Yr Cancer Risk (in a Million)	1369	437612.81 3725597.11	4.31
70 Yr Cancer Risk (in a Million)	0	0 0	0.00
Chronic HI	1369	437612.81 3725597.11	1.48E-03
Acute HI	597	437508.47 3725601.9	1.25E-04
PM 2.5	1368	437626.71 3725601.68	0.0072

Operational Worker Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
25 Yr Cancer Risk (in a Million)	991	437500.32 3725386.23	2.25
Chronic HI	991	437500.32 3725386.23	7.49E-03
Acute HI	991	437500.32 3725386.23	4.76E-04
PM 2.5	991	437500.32 3725386.23	3.61E-02

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	437750.64	3725402.77	33.66669299	-117.6714578
Construction	Sensitive	Chronic HI	437750.64	3725402.77	33.66669299	-117.6714578
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	437750.64	3725402.77	33.66669299	-117.6714578
Construction	School	Cancer Risk	0.00	0.00		
Construction	School	Chronic HI	0.00	0.00		
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	0.00	0.00		
Construction	Worker	Cancer Risk	437662.98	3725405.13	33.66670914	-117.6724035
Construction	Worker	Chronic HI	437662.98	3725405.13	33.66670914	-117.6724035
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	437662.98	3725405.13	33.66670914	-117.6724035
Operational	Sensitive	Cancer Risk 30 yr	437612.81	3725597.11	33.66843762	-117.6729581
Operational	Sensitive	Cancer Risk 70 yr	0	0		
Operational	Sensitive	Chronic HI	437612.81	3725597.11	33.66843762	-117.6729581
Operational	Sensitive	Acute HI	437508.47	3725601.9	33.66847468	-117.6740838
Operational	Sensitive	PM 2.5	437626.71	3725601.68	33.66847965	-117.6728085
Operational	Worker	Cancer Risk 25 yr	437500.32	3725386.23	33.66652912	-117.6741566
Operational	Worker	Chronic HI	437500.32	3725386.23	33.66652912	-117.6741566
Operational	Worker	Acute HI	437500.32	3725386.23	33.66652912	-117.6741566
Operational	Worker	PM 2.5	437500.32	3725386.23	33.66652912	-117.6741566

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM not available**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**200**
	Grid 2	**20**	**200**
	Grid 3	**30**	**300**
	Grid 4	**40**	**400**
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**MSVJ Mission Viejo**	
	Provided By	**South Coast AQMD**	
	Years	**2011 - 2014, 2016**	
	Elevation (m)	**170**	
	Link	https://www.aqmd.gov/docs/default-source/air-quality/meterorological-data/aermod-ready-meteorological-data/table-1-meteorological-sites/2017/MissionViejoADJU.zip?sfvrsn=8	
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**Orange**	
	Urban Grouping / Pop	**Y**	**3,010,232**
	# of Worker Receptors	**3,217**	
	# of Sensitive Receptors	**3,428**	
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**22068.7, 22013.0, 11988.8**	
	Ht. of Source (m)	**3.048**	
Operational Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period / Hourly**	
	Dispersion Coefficient	**Urban**	
	Urban Grouping / Pop	**Y**	**3,010,232**
	# Worker Receptors	**3,217**	
	# Sensitive Receptors	**3,428**	
	# of School Receptors	**0**	

Diesel Truck Idling Parameters		
	Source Type	**Point**
	Stack Ht. (m)	**3.658**
	Stack Dia (m)	**0.044**
	Stack Temp (k)	**388.7**
	Velocity (m/s)	**25**
Diesel Truck Travel Parameters		
	Source Type	**Line Volume**
	Initial Vertical (m)	**1.42**
	Initial Lateral (m)	**2.84**
	Release Ht (m)	**Surface**
	Volume Length (m)	**Roadway Segment Specific**

General HARP Input Parameters		
Construction		
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 1 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

			T2		1870	T2L3			T3			T4		
					4.35E-05			8.64E-06			4.61E-05			4.84E-06
					3725402.77									
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	437235.35	3725540.6	6.76E-07	4.05E-08	7.16E-07	1.45E-07	1.11E-08	1.56E-07	7.29E-07	5.25E-08	7.81E-07	9.23E-08	6.01E-09	9.84E-08
2	437200.39	3725546.56	5.14E-07	2.84E-08	5.42E-07	1.10E-07	7.68E-09	1.17E-07	5.54E-07	3.64E-08	5.90E-07	6.93E-08	4.16E-09	7.34E-08
3	437206.71	3725553.6	5.33E-07	2.99E-08	5.63E-07	1.14E-07	8.09E-09	1.22E-07	5.74E-07	3.84E-08	6.13E-07	7.20E-08	4.38E-09	7.64E-08
4	437213.03	3725560.64	5.52E-07	3.14E-08	5.83E-07	1.18E-07	8.51E-09	1.26E-07	5.95E-07	4.04E-08	6.35E-07	7.47E-08	4.61E-09	7.93E-08
5	437174.93	3725557.74	4.32E-07	2.28E-08	4.55E-07	9.19E-08	6.12E-09	9.80E-08	4.66E-07	2.90E-08	4.95E-07	5.78E-08	3.30E-09	6.11E-08
6	437171.8	3725548.87	4.27E-07	2.24E-08	4.49E-07	9.08E-08	6.00E-09	9.68E-08	4.60E-07	2.84E-08	4.88E-07	5.71E-08	3.24E-09	6.03E-08
7	437149.56	3725569.14	3.68E-07	1.86E-08	3.86E-07	7.80E-08	4.96E-09	8.29E-08	3.96E-07	2.35E-08	4.19E-07	4.89E-08	2.67E-09	5.15E-08
8	437146.47	3725560.39	3.64E-07	1.83E-08	3.82E-07	7.72E-08	4.88E-09	8.21E-08	3.92E-07	2.31E-08	4.15E-07	4.83E-08	2.63E-09	5.10E-08
9	437143.38	3725551.64	3.60E-07	1.80E-08	3.78E-07	7.63E-08	4.78E-09	8.11E-08	3.87E-07	2.27E-08	4.10E-07	4.77E-08	2.58E-09	5.03E-08
10	437155.74	3725586.65	3.73E-07	1.91E-08	3.92E-07	7.92E-08	5.09E-09	8.43E-08	4.02E-07	2.41E-08	4.26E-07	4.96E-08	2.74E-09	5.24E-08
11	437162.06	3725593.69	3.85E-07	1.99E-08	4.04E-07	8.17E-08	5.31E-09	8.70E-08	4.14E-07	2.52E-08	4.39E-07	5.12E-08	2.86E-09	5.41E-08
12	437168.38	3725600.73	3.96E-07	2.07E-08	4.17E-07	8.42E-08	5.54E-09	8.97E-08	4.27E-07	2.63E-08	4.53E-07	5.28E-08	2.99E-09	5.58E-08
13	437130.29	3725597.84	3.20E-07	1.57E-08	3.35E-07	6.77E-08	4.16E-09	7.19E-08	3.44E-07	1.97E-08	3.64E-07	4.23E-08	2.24E-09	4.45E-08
14	437120.92	3725571.31	3.13E-07	1.52E-08	3.28E-07	6.62E-08	4.02E-09	7.03E-08	3.37E-07	1.90E-08	3.56E-07	4.13E-08	2.16E-09	4.35E-08
15	437117.8	3725562.47	3.10E-07	1.50E-08	3.25E-07	6.57E-08	3.96E-09	6.96E-08	3.34E-07	1.88E-08	3.53E-07	4.09E-08	2.13E-09	4.31E-08
16	437114.68	3725553.62	3.08E-07	1.48E-08	3.22E-07	6.51E-08	3.90E-09	6.90E-08	3.31E-07	1.85E-08	3.50E-07	4.06E-08	2.09E-09	4.27E-08
17	437133.42	3725606.69	3.22E-07	1.59E-08	3.38E-07	6.82E-08	4.22E-09	7.24E-08	3.47E-07	2.00E-08	3.67E-07	4.26E-08	2.27E-09	4.49E-08
18	437139.74	3725613.73	3.30E-07	1.64E-08	3.47E-07	7.00E-08	4.37E-09	7.44E-08	3.56E-07	2.07E-08	3.76E-07	4.37E-08	2.35E-09	4.61E-08
19	437146.06	3725620.77	3.39E-07	1.70E-08	3.56E-07	7.19E-08	4.54E-09	7.64E-08	3.65E-07	2.15E-08	3.87E-07	4.50E-08	2.44E-09	4.74E-08
20	437108.01	3725617.99	2.83E-07	1.35E-08	2.96E-07	5.98E-08	3.56E-09	6.33E-08	3.04E-07	1.69E-08	3.21E-07	3.72E-08	1.91E-09	3.91E-08
21	437104.92	3725609.25	2.81E-07	1.33E-08	2.94E-07	5.93E-08	3.52E-09	6.28E-08	3.02E-07	1.67E-08	3.19E-07	3.69E-08	1.89E-09	3.88E-08
22	437101.83	3725600.51	2.79E-07	1.32E-08	2.92E-07	5.89E-08	3.48E-09	6.24E-08	3.00E-07	1.65E-08	3.16E-07	3.66E-08	1.87E-09	3.85E-08
23	437092.58	3725574.29	2.72E-07	1.27E-08	2.85E-07	5.75E-08	3.35E-09	6.08E-08	2.93E-07	1.59E-08	3.09E-07	3.57E-08	1.80E-09	3.75E-08
24	437089.49	3725565.55	2.70E-07	1.26E-08	2.83E-07	5.70E-08	3.30E-09	6.03E-08	2.91E-07	1.57E-08	3.06E-07	3.54E-08	1.77E-09	3.72E-08
25	437086.4	3725556.81	2.68E-07	1.24E-08	2.81E-07	5.66E-08	3.27E-09	5.99E-08	2.89E-07	1.55E-08	3.04E-07	3.52E-08	1.75E-09	3.69E-08
26	437085.65	3725637.94	2.52E-07	1.17E-08	2.64E-07	5.32E-08	3.08E-09	5.63E-08	2.71E-07	1.46E-08	2.86E-07	3.30E-08	1.65E-09	3.47E-08
27	437082.54	3725629.12	2.51E-07	1.16E-08	2.62E-07	5.29E-08	3.05E-09	5.60E-08	2.70E-07	1.44E-08	2.84E-07	3.28E-08	1.63E-09	3.45E-08
28	437079.42	3725620.3	2.49E-07	1.15E-08	2.61E-07	5.26E-08	3.02E-09	5.56E-08	2.68E-07	1.43E-08	2.82E-07	3.26E-08	1.62E-09	3.42E-08
29	437076.3	3725611.47	2.47E-07	1.14E-08	2.59E-07	5.22E-08	2.98E-09	5.52E-08	2.66E-07	1.41E-08	2.80E-07	3.24E-08	1.60E-09	3.40E-08
30	437073.19	3725602.65	2.46E-07	1.13E-08	2.57E-07	5.18E-08	2.95E-09	5.48E-08	2.64E-07	1.40E-08	2.78E-07	3.22E-08	1.58E-09	3.37E-08
31	437063.84	3725576.18	2.41E-07	1.09E-08	2.52E-07	5.08E-08	2.86E-09	5.37E-08	2.59E-07	1.36E-08	2.73E-07	3.15E-08	1.53E-09	3.30E-08
32	437060.72	3725567.35	2.40E-07	1.08E-08	2.50E-07	5.05E-08	2.83E-09	5.33E-08	2.58E-07	1.34E-08	2.71E-07	3.13E-08	1.52E-09	3.28E-08
33	437057.61	3725558.53	2.38E-07	1.07E-08	2.49E-07	5.02E-08	2.80E-09	5.30E-08	2.56E-07	1.33E-08	2.69E-07	3.11E-08	1.50E-09	3.26E-08
34	437101.41	3725660.85	2.65E-07	1.25E-08	2.77E-07	5.59E-08	3.29E-09	5.92E-08	2.85E-07	1.56E-08	3.00E-07	3.47E-08	1.77E-09	3.65E-08
35	437055.87	3725664.62	2.19E-07	9.86E-09	2.29E-07	4.61E-08	2.57E-09	4.87E-08	2.36E-07	1.22E-08	2.48E-07	2.85E-08	1.38E-09	2.99E-08
36	437052.74	3725655.75	2.19E-07	9.82E-09	2.28E-07	4.60E-08	2.56E-09	4.86E-08	2.35E-07	1.21E-08	2.47E-07	2.85E-08	1.37E-09	2.98E-08
37	437043.34	3725629.14	2.15E-07	9.59E-09	2.25E-07	4.53E-08	2.50E-09	4.78E-08	2.31E-07	1.18E-08	2.43E-07	2.80E-08	1.33E-09	2.93E-08
38	437040.21	3725620.27	2.14E-07	9.50E-09	2.23E-07	4.50E-08	2.47E-09	4.75E-08	2.30E-07	1.17E-08	2.42E-07	2.78E-08	1.32E-09	2.92E-08
39	437037.08	3725611.4	2.13E-07	9.42E-09	2.22E-07	4.47E-08	2.45E-09	4.72E-08	2.29E-07	1.16E-08	2.40E-07	2.77E-08	1.31E-09	2.90E-08
40	437033.95	3725602.54	2.11E-07	9.33E-09	2.21E-07	4.45E-08	2.43E-09	4.69E-08	2.27E-07	1.15E-08	2.39E-07	2.75E-08	1.30E-09	2.88E-08
41	437024.55	3725575.93	2.07E-07	9.08E-09	2.16E-07	4.36E-08	2.36E-09	4.60E-08	2.23E-07	1.12E-08	2.34E-07	2.69E-08	1.26E-09	2.82E-08
42	437021.42	3725567.06	2.06E-07	8.99E-09	2.15E-07	4.33E-08	2.33E-09	4.56E-08	2.21E-07	1.11E-08	2.32E-07	2.67E-08	1.24E-09	2.80E-08
43	437059	3725673.49	2.20E-07	9.90E-09	2.30E-07	4.62E-08	2.58E-09	4.88E-08	2.36E-07	1.22E-08	2.48E-07	2.86E-08	1.38E-09	3.00E-08
44	437026.09	3725691.3	1.93E-07	8.45E-09	2.02E-07	4.06E-08	2.19E-09	4.28E-08	2.08E-07	1.04E-08	2.18E-07	2.51E-08	1.17E-09	2.62E-08
45	437022.95	3725682.39	1.92E-07	8.39E-09	2.01E-07	4.04E-08	2.18E-09	4.26E-08	2.07E-07	1.03E-08	2.17E-07	2.49E-08	1.16E-09	2.61E-08
46	437019.8	3725673.48	1.91E-07	8.34E-09	2.00E-07	4.02E-08	2.16E-09	4.24E-08	2.06E-07	1.02E-08	2.16E-07	2.48E-08	1.15E-09	2.60E-08
47	437016.65	3725664.57	1.91E-07	8.29E-09	1.99E-07	4.01E-08	2.15E-09	4.22E-08	2.05E-07	1.02E-08	2.15E-07	2.47E-08	1.15E-09	2.59E-08
48	437013.51	3725655.66	1.90E-07	8.24E-09	1.98E-07	3.99E-08	2.13E-09	4.21E-08	2.04E-07	1.01E-08	2.14E-07	2.46E-08	1.14E-09	2.58E-08
49	437004.07	3725628.93	1.87E-07	8.06E-09	1.95E-07	3.93E-08	2.08E-09	4.14E-08	2.01E-07	9.87E-09	2.11E-07	2.42E-08	1.11E-09	2.53E-08
50	437000.92	3725620.02	1.86E-07	7.99E-09	1.94E-07	3.91E-08	2.07E-09	4.11E-08	2.00E-07	9.79E-09	2.10E-07	2.41E-08	1.10E-09	2.52E-08
51	436997.78	3725611.12	1.85E-07	7.92E-09	1.93E-07	3.88E-08	2.05E-09	4.09E-08	1.99E-07	9.70E-09	2.08E-07	2.39E-08	1.09E-09	2.50E-08
52	436994.63	3725602.21	1.84E-07	7.85E-09	1.92E-07	3.86E-08	2.03E-09	4.06E-08	1.97E-07	9.61E-09	2.07E-07	2.38E-08	1.08E-09	2.49E-08
53	436991.48	3725593.3	1.82E-07	7.78E-09	1.90E-07	3.83E-08	2.01E-09	4.03E-08	1.96E-07	9.52E-09	2.06E-07	2.36E-08	1.07E-09	2.47E-08
54	436988.34	3725584.39	1.81E-07	7.71E-09	1.89E-07	3.81E-08	1.99E-09	4.01E-08	1.95E-07	9.44E-09	2.04E-07	2.35E-08	1.06E-09	2.45E-08
55	436985.19	3725575.48	1.80E-07	7.65E-09	1.88E-07	3.78E-08	1.97E-09	3.98E-08	1.94E-07	9.35E-09	2.03E-07	2.33E-08	1.05E-09	2.43E-08
56	436982.04	3725566.57	1.79E-07	7.58E-09	1.87E-07	3.76E-08	1.95E-09	3.95E-08	1.92E-07	9.26E-09	2.02E-07	2.31E-08	1.04E-09	2.42E-08
57	437029.24	3725700.21	1.94E-07	8.51E-09	2.03E-07	4.08E-08	2.21E-09	4.30E-08	2.09E-07	1.05E-08	2.19E-07	2.52E-08	1.18E-09	2.64E-08
58	437035.56	3725707.25	1.97E-07	8.68E-09	2.06E-07	4.14E-08	2.25E-09	4.37E-08	2.12E-07	1.07E-08	2.23E-07	2.56E-08	1.20E-09	2.68E-08
59	437041.88	3725714.29	2.00E-07	8.84E-09	2.09E-07	4.20E-08	2.30E-09	4.43E-08	2.15E-07	1.09E-08	2.26E-07	2.59E-08	1.23E-09	2.72E-08
60	436993.26	3725709.34	1.74E-07	7.44E-09	1.82E-07	3.65E-08	1.92E-09	3.85E-08	1.87E-07	9.10E-09	1.96E-07	2.25E-08	1.02E-09	2.35E-08
61	436990.16	3725700.55	1.73E-07	7.40E-09	1.81E-07	3.64E-08	1.91E-09	3.83E-08	1.86E-07	9.04E-09	1.95E-07	2.24E-08	1.02E-09	2.34E-08
62	436987.05	3725691.76	1.73E-07	7.35E-09	1.80E-07	3.63E-08	1.90E-09	3.82E-08	1.86E-07	8.99E-09	1.95E-07	2.23E-08	1.01E-09	2.33E-08
63	436983.95	3725682.96	1.72E-07	7.31E-09	1.79E-07	3.61E-08	1.88E-09	3.80E-08	1.85E-07	8.93E-09	1.94E-07	2.22E-08	1.00E-09	2.32E-08
64	436980.84	3725674.17	1.71E-07	7.26E-09	1.78E-07	3.59E-08	1.87E-09	3.78E-08	1.84E-07	8.86E-09	1.93E-07	2.21E-08	9.96E-10	2.31E-08
65	436977.73	3725665.37	1.70E-07	7.21E-09	1.78E-07	3.57E-08	1.86E-09	3.76E-08	1.83E-07	8.80E-09	1.92E-07	2.20E-08	9.89E-10	2.30E-08
66	436974.63	3725656.58	1.70E-07	7.17E-09	1.77E-07	3.56E-08	1.84E-09	3.74E-08	1.82E-07	8.74E-09	1.91E-07	2.19E-08	9.82E-10	2.29E-08
67	436971.52	3725647.79	1.68E-07	7.10E-09	1.76E-07	3.53E-08	1.83E-09	3.72E-08	1.81E-07	8.66E-09	1.90E-07	2.17E-08	9.73E-10	2.27E-08
68	436962.21	3725621.4	1.65E-07	6.89E-09	1.72E-07	3.45E-08	1.77E-09	3.63E-08	1.77E-07	8.39E-09	1.85E-07	2.12E-08	9.42E-10	2.22E-08
69	436959.1	3725612.61	1.64E-07	6.84E-09	1.71E-07	3.43E-08	1.76E-09	3.61E-08	1.76E-07	8.32E-09	1.84E-07	2.11E-08	9.34E-10	2.20E-08
70	436956	3725603.82	1.63E-07	6.77E-09	1.69E-07	3.41E-08	1.74E-09	3.58E-08	1.75E-07	8.24E-09	1.83E-07	2.10E-08	9.25E-10	2.19E-08
71	436952.89	3725595.02	1.61E-07	6.71E-09	1.68E-07	3.38E-08	1.72E-09	3.56E-08	1.73E-07	8.16E-09	1.82E-07	2.08E-08	9.15E-10	2.17E-08
72	436949.78	3725586.23	1.60E-07	6.64E-09	1.67E-07	3.36E-08	1.70E-09	3.53E-08	1.72E-07	8.07E-09	1.80E-07	2.06E-08	9.06E-10	2.15E-08
73	436946.68	3725577.43	1.59E-07	6.58E-09	1.65E-07	3.33E-08	1.69E-09	3.50E-08	1.71E-07	7.99E-09	1.79E-07	2.05E-08	8.97E-10	2.14E-08

74	436943.57	3725568.64	1.58E-07	6.52E-09	1.64E-07	3.31E-08	1.67E-09	3.47E-08	1.70E-07	7.91E-09	1.77E-07	2.03E-08	8.88E-10	2.12E-08
75	437004.81	3724812.38	1.27E-07	3.37E-09	1.30E-07	2.63E-08	7.69E-10	2.70E-08	1.36E-07	3.63E-09	1.40E-07	1.57E-08	3.91E-10	1.61E-08
76	437008.83	3724803.96	1.26E-07	3.30E-09	1.29E-07	2.59E-08	7.50E-10	2.67E-08	1.35E-07	3.55E-09	1.38E-07	1.55E-08	3.81E-10	1.59E-08
77	437012.84	3724795.54	1.24E-07	3.23E-09	1.27E-07	2.57E-08	7.33E-10	2.64E-08	1.33E-07	3.46E-09	1.37E-07	1.53E-08	3.72E-10	1.57E-08
78	437016.85	3724787.13	1.23E-07	3.18E-09	1.26E-07	2.54E-08	7.17E-10	2.61E-08	1.32E-07	3.39E-09	1.35E-07	1.52E-08	3.63E-10	1.55E-08
79	436954.11	3725709.49	1.57E-07	6.56E-09	1.64E-07	3.30E-08	1.68E-09	3.46E-08	1.69E-07	7.98E-09	1.77E-07	2.02E-08	8.95E-10	2.11E-08
80	436950.99	3725700.65	1.57E-07	6.52E-09	1.63E-07	3.28E-08	1.67E-09	3.45E-08	1.68E-07	7.93E-09	1.76E-07	2.02E-08	8.90E-10	2.11E-08
81	436947.87	3725691.82	1.56E-07	6.49E-09	1.63E-07	3.27E-08	1.66E-09	3.44E-08	1.68E-07	7.89E-09	1.76E-07	2.01E-08	8.85E-10	2.10E-08
82	436944.75	3725682.99	1.55E-07	6.45E-09	1.62E-07	3.26E-08	1.65E-09	3.42E-08	1.67E-07	7.84E-09	1.75E-07	2.00E-08	8.80E-10	2.09E-08
83	436941.63	3725674.15	1.54E-07	6.40E-09	1.61E-07	3.24E-08	1.64E-09	3.40E-08	1.66E-07	7.77E-09	1.74E-07	1.99E-08	8.72E-10	2.07E-08
84	436938.51	3725665.32	1.53E-07	6.34E-09	1.60E-07	3.21E-08	1.62E-09	3.38E-08	1.65E-07	7.69E-09	1.72E-07	1.97E-08	8.63E-10	2.06E-08
85	436935.39	3725656.49	1.52E-07	6.27E-09	1.58E-07	3.18E-08	1.60E-09	3.34E-08	1.63E-07	7.61E-09	1.71E-07	1.95E-08	8.53E-10	2.04E-08
86	436932.27	3725647.65	1.50E-07	6.19E-09	1.57E-07	3.15E-08	1.58E-09	3.31E-08	1.62E-07	7.50E-09	1.69E-07	1.93E-08	8.41E-10	2.02E-08
87	436929.15	3725638.82	1.49E-07	6.11E-09	1.55E-07	3.12E-08	1.56E-09	3.28E-08	1.60E-07	7.40E-09	1.67E-07	1.91E-08	8.30E-10	2.00E-08
88	436919.8	3725612.32	1.45E-07	5.89E-09	1.51E-07	3.03E-08	1.51E-09	3.18E-08	1.56E-07	7.13E-09	1.63E-07	1.86E-08	7.99E-10	1.94E-08
89	436916.68	3725603.48	1.44E-07	5.83E-09	1.49E-07	3.01E-08	1.49E-09	3.15E-08	1.54E-07	7.06E-09	1.61E-07	1.84E-08	7.91E-10	1.92E-08
90	436913.56	3725594.65	1.42E-07	5.78E-09	1.48E-07	2.98E-08	1.47E-09	3.13E-08	1.53E-07	6.99E-09	1.60E-07	1.83E-08	7.83E-10	1.91E-08
91	436910.44	3725585.82	1.42E-07	5.73E-09	1.47E-07	2.96E-08	1.46E-09	3.11E-08	1.52E-07	6.93E-09	1.59E-07	1.82E-08	7.76E-10	1.89E-08
92	436907.32	3725576.98	1.40E-07	5.68E-09	1.46E-07	2.94E-08	1.45E-09	3.09E-08	1.51E-07	6.86E-09	1.58E-07	1.80E-08	7.68E-10	1.88E-08
93	436889.14	3724969.19	1.18E-07	3.86E-09	1.22E-07	2.46E-08	9.36E-10	2.55E-08	1.27E-07	4.43E-09	1.31E-07	1.48E-08	4.88E-10	1.53E-08
94	436893.17	3724960.73	1.19E-07	3.84E-09	1.22E-07	2.46E-08	9.29E-10	2.55E-08	1.27E-07	4.40E-09	1.32E-07	1.49E-08	4.83E-10	1.53E-08
95	436897.2	3724952.27	1.19E-07	3.81E-09	1.22E-07	2.46E-08	9.20E-10	2.55E-08	1.27E-07	4.35E-09	1.32E-07	1.49E-08	4.78E-10	1.53E-08
96	436901.23	3724943.82	1.19E-07	3.78E-09	1.22E-07	2.46E-08	9.11E-10	2.55E-08	1.27E-07	4.31E-09	1.32E-07	1.49E-08	4.73E-10	1.53E-08
97	436905.26	3724935.36	1.19E-07	3.75E-09	1.22E-07	2.46E-08	9.02E-10	2.55E-08	1.27E-07	4.27E-09	1.32E-07	1.49E-08	4.68E-10	1.53E-08
98	436909.29	3724926.9	1.19E-07	3.74E-09	1.23E-07	2.47E-08	8.96E-10	2.56E-08	1.28E-07	4.24E-09	1.32E-07	1.49E-08	4.65E-10	1.54E-08
99	436913.32	3724918.45	1.20E-07	3.72E-09	1.24E-07	2.48E-08	8.90E-10	2.57E-08	1.29E-07	4.21E-09	1.33E-07	1.50E-08	4.61E-10	1.54E-08
100	436917.35	3724909.99	1.20E-07	3.70E-09	1.24E-07	2.49E-08	8.83E-10	2.58E-08	1.29E-07	4.18E-09	1.33E-07	1.50E-08	4.57E-10	1.55E-08
101	436921.38	3724901.53	1.20E-07	3.67E-09	1.24E-07	2.50E-08	8.74E-10	2.58E-08	1.29E-07	4.14E-09	1.33E-07	1.50E-08	4.52E-10	1.55E-08
102	436925.41	3724893.08	1.20E-07	3.64E-09	1.24E-07	2.50E-08	8.64E-10	2.58E-08	1.29E-07	4.09E-09	1.33E-07	1.50E-08	4.46E-10	1.55E-08
103	436929.44	3724884.62	1.20E-07	3.60E-09	1.24E-07	2.49E-08	8.53E-10	2.58E-08	1.29E-07	4.04E-09	1.33E-07	1.50E-08	4.40E-10	1.54E-08
104	436933.47	3724876.16	1.21E-07	3.58E-09	1.24E-07	2.50E-08	8.45E-10	2.59E-08	1.30E-07	4.00E-09	1.34E-07	1.50E-08	4.36E-10	1.55E-08
105	436937.5	3724867.7	1.21E-07	3.57E-09	1.25E-07	2.51E-08	8.39E-10	2.60E-08	1.30E-07	3.97E-09	1.34E-07	1.51E-08	4.32E-10	1.55E-08
106	436941.53	3724859.25	1.22E-07	3.55E-09	1.25E-07	2.52E-08	8.32E-10	2.61E-08	1.31E-07	3.94E-09	1.35E-07	1.52E-08	4.28E-10	1.56E-08
107	436945.56	3724850.79	1.22E-07	3.52E-09	1.26E-07	2.53E-08	8.24E-10	2.62E-08	1.31E-07	3.90E-09	1.35E-07	1.52E-08	4.24E-10	1.56E-08
108	436949.59	3724842.33	1.22E-07	3.49E-09	1.26E-07	2.53E-08	8.13E-10	2.61E-08	1.31E-07	3.85E-09	1.35E-07	1.52E-08	4.18E-10	1.56E-08
109	436953.62	3724833.88	1.22E-07	3.43E-09	1.25E-07	2.51E-08	7.99E-10	2.59E-08	1.30E-07	3.78E-09	1.34E-07	1.51E-08	4.10E-10	1.55E-08
110	436957.65	3724825.42	1.21E-07	3.38E-09	1.24E-07	2.49E-08	7.83E-10	2.57E-08	1.29E-07	3.70E-09	1.33E-07	1.49E-08	4.01E-10	1.53E-08
111	436961.68	3724816.96	1.19E-07	3.31E-09	1.23E-07	2.47E-08	7.66E-10	2.54E-08	1.28E-07	3.62E-09	1.32E-07	1.48E-08	3.92E-10	1.52E-08
112	436965.71	3724808.51	1.18E-07	3.25E-09	1.21E-07	2.44E-08	7.49E-10	2.51E-08	1.26E-07	3.54E-09	1.30E-07	1.46E-08	3.83E-10	1.50E-08
113	436969.74	3724800.05	1.17E-07	3.18E-09	1.20E-07	2.41E-08	7.32E-10	2.48E-08	1.25E-07	3.46E-09	1.28E-07	1.44E-08	3.74E-10	1.48E-08
114	436973.77	3724791.59	1.15E-07	3.11E-09	1.18E-07	2.38E-08	7.14E-10	2.45E-08	1.23E-07	3.38E-09	1.27E-07	1.42E-08	3.64E-10	1.46E-08
115	436977.8	3724783.14	1.14E-07	3.05E-09	1.17E-07	2.35E-08	6.98E-10	2.42E-08	1.22E-07	3.30E-09	1.25E-07	1.40E-08	3.55E-10	1.44E-08
116	436981.83	3724774.68	1.13E-07	3.00E-09	1.16E-07	2.33E-08	6.84E-10	2.40E-08	1.21E-07	3.23E-09	1.24E-07	1.39E-08	3.48E-10	1.43E-08
117	436985.86	3724766.22	1.12E-07	2.95E-09	1.15E-07	2.31E-08	6.71E-10	2.38E-08	1.20E-07	3.17E-09	1.23E-07	1.38E-08	3.41E-10	1.41E-08
118	436976.03	3725760.69	1.62E-07	6.83E-09	1.69E-07	3.39E-08	1.75E-09	3.57E-08	1.74E-07	8.32E-09	1.82E-07	2.09E-08	9.34E-10	2.18E-08
119	436982.35	3725767.73	1.64E-07	6.93E-09	1.71E-07	3.44E-08	1.78E-09	3.61E-08	1.76E-07	8.45E-09	1.85E-07	2.11E-08	9.49E-10	2.21E-08
120	436936.81	3725771.5	1.47E-07	6.04E-09	1.53E-07	3.07E-08	1.54E-09	3.22E-08	1.57E-07	7.32E-09	1.65E-07	1.88E-08	8.21E-10	1.96E-08
121	436933.68	3725762.64	1.46E-07	6.01E-09	1.52E-07	3.06E-08	1.54E-09	3.21E-08	1.57E-07	7.28E-09	1.64E-07	1.87E-08	8.16E-10	1.96E-08
122	436930.55	3725753.77	1.45E-07	5.98E-09	1.51E-07	3.04E-08	1.53E-09	3.20E-08	1.56E-07	7.24E-09	1.63E-07	1.87E-08	8.12E-10	1.95E-08
123	436911.75	3725700.55	1.43E-07	5.86E-09	1.49E-07	3.00E-08	1.50E-09	3.15E-08	1.54E-07	7.09E-09	1.61E-07	1.84E-08	7.94E-10	1.92E-08
124	436908.62	3725691.68	1.43E-07	5.85E-09	1.49E-07	3.00E-08	1.49E-09	3.15E-08	1.54E-07	7.08E-09	1.61E-07	1.84E-08	7.93E-10	1.92E-08
125	436905.49	3725682.81	1.43E-07	5.81E-09	1.48E-07	2.98E-08	1.48E-09	3.13E-08	1.53E-07	7.03E-09	1.60E-07	1.83E-08	7.87E-10	1.91E-08
126	436902.36	3725673.94	1.41E-07	5.72E-09	1.46E-07	2.95E-08	1.46E-09	3.09E-08	1.51E-07	6.91E-09	1.58E-07	1.80E-08	7.74E-10	1.88E-08
127	436899.23	3725665.07	1.39E-07	5.62E-09	1.44E-07	2.91E-08	1.43E-09	3.05E-08	1.49E-07	6.79E-09	1.56E-07	1.78E-08	7.60E-10	1.86E-08
128	436883.56	3725620.73	1.31E-07	5.22E-09	1.36E-07	2.73E-08	1.33E-09	2.86E-08	1.40E-07	6.28E-09	1.47E-07	1.67E-08	7.03E-10	1.74E-08
129	436880.43	3725611.86	1.30E-07	5.17E-09	1.35E-07	2.71E-08	1.31E-09	2.84E-08	1.39E-07	6.23E-09	1.46E-07	1.66E-08	6.97E-10	1.73E-08
130	436877.3	3725602.99	1.29E-07	5.13E-09	1.34E-07	2.69E-08	1.30E-09	2.82E-08	1.38E-07	6.17E-09	1.45E-07	1.65E-08	6.91E-10	1.72E-08
131	436874.17	3725594.12	1.28E-07	5.09E-09	1.33E-07	2.68E-08	1.29E-09	2.80E-08	1.37E-07	6.12E-09	1.44E-07	1.64E-08	6.84E-10	1.71E-08
132	436871.04	3725585.25	1.27E-07	5.04E-09	1.32E-07	2.66E-08	1.28E-09	2.78E-08	1.36E-07	6.06E-09	1.42E-07	1.62E-08	6.78E-10	1.69E-08
133	436867.9	3725576.38	1.26E-07	5.00E-09	1.31E-07	2.64E-08	1.27E-09	2.76E-08	1.35E-07	6.01E-09	1.41E-07	1.61E-08	6.72E-10	1.68E-08
134	436833.47	3725000.09	1.09E-07	3.69E-09	1.12E-07	2.25E-08	9.02E-10	2.34E-08	1.16E-07	4.27E-09	1.21E-07	1.36E-08	4.71E-10	1.41E-08
135	436837.52	3724991.6	1.09E-07	3.68E-09	1.13E-07	2.27E-08	9.00E-10	2.36E-08	1.17E-07	4.26E-09	1.21E-07	1.37E-08	4.70E-10	1.42E-08
136	436841.56	3724983.11	1.10E-07	3.68E-09	1.13E-07	2.28E-08	8.98E-10	2.37E-08	1.18E-07	4.25E-09	1.22E-07	1.38E-08	4.69E-10	1.43E-08
137	436845.61	3724974.62	1.10E-07	3.68E-09	1.14E-07	2.29E-08	8.95E-10	2.38E-08	1.18E-07	4.24E-09	1.23E-07	1.38E-08	4.67E-10	1.43E-08
138	436849.65	3724966.12	1.11E-07	3.67E-09	1.15E-07	2.30E-08	8.92E-10	2.39E-08	1.19E-07	4.22E-09	1.23E-07	1.39E-08	4.65E-10	1.44E-08
139	436853.7	3724957.63	1.11E-07	3.66E-09	1.15E-07	2.31E-08	8.87E-10	2.40E-08	1.19E-07	4.20E-09	1.24E-07	1.40E-08	4.62E-10	1.44E-08
140	436857.75	3724949.14	1.12E-07	3.65E-09	1.15E-07	2.32E-08	8.83E-10	2.41E-08	1.20E-07	4.18E-09	1.24E-07	1.40E-08	4.60E-10	1.45E-08
141	436861.79	3724940.65	1.12E-07	3.64E-09	1.16E-07	2.33E-08	8.78E-10	2.42E-08	1.20E-07	4.16E-09	1.25E-07	1.41E-08	4.57E-10	1.45E-08
142	436865.84	3724932.16	1.13E-07	3.62E-09	1.16E-07	2.34E-08	8.74E-10	2.42E-08	1.21E-07	4.13E-09	1.25E-07	1.41E-08	4.54E-10	1.46E-08
143	436869.89	3724923.67	1.13E-07	3.60E-09	1.16E-07	2.34E-08	8.67E-10	2.43E-08	1.21E-07	4.10E-09	1.25E-07	1.41E-08	4.50E-10	1.46E-08
144	436873.93	3724915.18	1.13E-07	3.58E-09	1.16E-07	2.34E-08	8.59E-10	2.43E-08	1.21E-07	4.07E-09	1.25E-07	1.41E-08	4.46E-10	1.46E-08
145	436877.98	3724906.69	1.13E-07	3.55E-09	1.17E-07	2.35E-08	8.52E-10	2.43E-08	1.21E-07	4.03E-09	1.25E-07	1.41E-08	4.42E-10	1.46E-08
146	436882.03	3724898.2	1.13E-07	3.53E-09	1.17E-07	2.35E-08	8.45E-10	2.43E-08	1.22E-07	4.00E-09	1.26E-07	1.42E-08	4.38E-10	1.46E-08
147	436886.07	3724889.7	1.14E-07	3.51E-09	1.17E-07	2.35E-08	8.38E-10	2.44E-08	1.22E-07	3.96E-09	1.26E-07	1.42E-08	4.34E-10	1.46E-08
148	436890.12	3724881.21	1.14E-07	3.48E-09	1.17E-07	2.35E-08	8.29E-10	2.44E-08	1.22E-07	3.92E-09	1.26E-07	1.42E-08	4.29E-10	1.46E-08
149	436894.16	3724872.72	1.14E-07	3.46E-09	1.17E-07	2.35E-08	8.21E-10	2.44E-08	1.22E-07	3.88E-09	1.26E-07	1.42E-08	4.24E-10	1.46E-08
150	436898.21	3724864.23	1.14E-07	3.43E-09	1.17E-07	2.35E-08	8.13E-10	2.44E-08	1.22E-07	3.84E-09	1.26E-07	1.42E-08	4.20E-10	1.46E-08

151	436902.26	3724855.74	1.14E-07	3.40E-09	1.17E-07	2.36E-08	8.04E-10	2.44E-08	1.22E-07	3.80E-09	1.26E-07	1.42E-08	4.15E-10	1.46E-08
152	436906.3	3724847.25	1.14E-07	3.37E-09	1.17E-07	2.36E-08	7.95E-10	2.44E-08	1.22E-07	3.76E-09	1.26E-07	1.42E-08	4.10E-10	1.46E-08
153	436910.35	3724838.76	1.14E-07	3.34E-09	1.17E-07	2.35E-08	7.85E-10	2.43E-08	1.22E-07	3.71E-09	1.26E-07	1.41E-08	4.04E-10	1.45E-08
154	436914.4	3724830.27	1.13E-07	3.30E-09	1.16E-07	2.34E-08	7.74E-10	2.42E-08	1.21E-07	3.66E-09	1.25E-07	1.41E-08	3.98E-10	1.45E-08
155	436918.44	3724821.78	1.13E-07	3.25E-09	1.16E-07	2.33E-08	7.61E-10	2.40E-08	1.21E-07	3.60E-09	1.24E-07	1.40E-08	3.91E-10	1.44E-08
156	436922.49	3724813.28	1.12E-07	3.21E-09	1.15E-07	2.31E-08	7.49E-10	2.39E-08	1.20E-07	3.54E-09	1.24E-07	1.39E-08	3.85E-10	1.43E-08
157	436926.54	3724804.79	1.11E-07	3.17E-09	1.15E-07	2.30E-08	7.38E-10	2.38E-08	1.19E-07	3.49E-09	1.23E-07	1.38E-08	3.78E-10	1.42E-08
158	436930.58	3724796.3	1.11E-07	3.13E-09	1.14E-07	2.29E-08	7.26E-10	2.36E-08	1.19E-07	3.43E-09	1.22E-07	1.37E-08	3.72E-10	1.41E-08
159	436934.63	3724787.81	1.10E-07	3.08E-09	1.13E-07	2.28E-08	7.14E-10	2.35E-08	1.18E-07	3.37E-09	1.22E-07	1.36E-08	3.65E-10	1.40E-08
160	436938.67	3724779.32	1.10E-07	3.04E-09	1.13E-07	2.26E-08	7.02E-10	2.33E-08	1.18E-07	3.32E-09	1.21E-07	1.36E-08	3.59E-10	1.39E-08
161	436942.72	3724770.83	1.09E-07	3.00E-09	1.12E-07	2.25E-08	6.90E-10	2.32E-08	1.17E-07	3.26E-09	1.20E-07	1.35E-08	3.52E-10	1.38E-08
162	436946.77	3724762.34	1.08E-07	2.95E-09	1.11E-07	2.23E-08	6.78E-10	2.30E-08	1.16E-07	3.21E-09	1.19E-07	1.34E-08	3.46E-10	1.37E-08
163	436950.81	3724753.85	1.07E-07	2.91E-09	1.10E-07	2.22E-08	6.66E-10	2.28E-08	1.15E-07	3.15E-09	1.18E-07	1.33E-08	3.39E-10	1.36E-08
164	436954.86	3724745.36	1.07E-07	2.87E-09	1.10E-07	2.20E-08	6.55E-10	2.27E-08	1.15E-07	3.10E-09	1.18E-07	1.32E-08	3.33E-10	1.35E-08
165	436958.91	3724736.86	1.06E-07	2.83E-09	1.09E-07	2.19E-08	6.45E-10	2.26E-08	1.14E-07	3.05E-09	1.17E-07	1.31E-08	3.28E-10	1.34E-08
166	436962.95	3724728.37	1.06E-07	2.80E-09	1.09E-07	2.18E-08	6.36E-10	2.25E-08	1.13E-07	3.01E-09	1.16E-07	1.30E-08	3.23E-10	1.34E-08
167	436939.94	3725780.37	1.47E-07	6.07E-09	1.53E-07	3.08E-08	1.55E-09	3.24E-08	1.58E-07	7.36E-09	1.65E-07	1.89E-08	8.25E-10	1.97E-08
168	436946.26	3725787.41	1.49E-07	6.17E-09	1.55E-07	3.12E-08	1.58E-09	3.28E-08	1.60E-07	7.49E-09	1.68E-07	1.91E-08	8.40E-10	2.00E-08
169	436952.58	3725794.45	1.51E-07	6.27E-09	1.57E-07	3.16E-08	1.61E-09	3.32E-08	1.62E-07	7.62E-09	1.70E-07	1.94E-08	8.54E-10	2.03E-08
170	436907.03	3725798.19	1.36E-07	5.51E-09	1.41E-07	2.84E-08	1.40E-09	2.98E-08	1.46E-07	6.66E-09	1.53E-07	1.74E-08	7.45E-10	1.81E-08
171	436903.89	3725789.29	1.36E-07	5.50E-09	1.41E-07	2.84E-08	1.40E-09	2.98E-08	1.46E-07	6.64E-09	1.52E-07	1.74E-08	7.44E-10	1.81E-08
172	436900.75	3725780.39	1.36E-07	5.50E-09	1.41E-07	2.84E-08	1.40E-09	2.98E-08	1.46E-07	6.64E-09	1.52E-07	1.74E-08	7.43E-10	1.81E-08
173	436897.6	3725771.49	1.35E-07	5.47E-09	1.41E-07	2.83E-08	1.39E-09	2.97E-08	1.45E-07	6.61E-09	1.52E-07	1.73E-08	7.40E-10	1.80E-08
174	436894.46	3725762.59	1.35E-07	5.44E-09	1.40E-07	2.81E-08	1.39E-09	2.95E-08	1.45E-07	6.57E-09	1.51E-07	1.72E-08	7.35E-10	1.80E-08
175	436872.45	3725700.27	1.31E-07	5.25E-09	1.36E-07	2.74E-08	1.33E-09	2.87E-08	1.41E-07	6.32E-09	1.47E-07	1.67E-08	7.07E-10	1.75E-08
176	436869.31	3725691.37	1.30E-07	5.20E-09	1.35E-07	2.72E-08	1.32E-09	2.85E-08	1.40E-07	6.26E-09	1.46E-07	1.66E-08	7.01E-10	1.73E-08
177	436866.17	3725682.47	1.29E-07	5.14E-09	1.34E-07	2.69E-08	1.30E-09	2.82E-08	1.38E-07	6.18E-09	1.44E-07	1.65E-08	6.92E-10	1.71E-08
178	436863.02	3725673.57	1.27E-07	5.06E-09	1.32E-07	2.66E-08	1.28E-09	2.79E-08	1.37E-07	6.09E-09	1.43E-07	1.62E-08	6.81E-10	1.69E-08
179	436859.88	3725664.67	1.26E-07	4.99E-09	1.31E-07	2.63E-08	1.27E-09	2.75E-08	1.35E-07	6.00E-09	1.41E-07	1.61E-08	6.71E-10	1.67E-08
180	436856.74	3725655.76	1.24E-07	4.92E-09	1.29E-07	2.60E-08	1.25E-09	2.72E-08	1.33E-07	5.91E-09	1.39E-07	1.59E-08	6.61E-10	1.65E-08
181	436853.59	3725646.86	1.22E-07	4.84E-09	1.27E-07	2.56E-08	1.23E-09	2.68E-08	1.32E-07	5.81E-09	1.37E-07	1.56E-08	6.49E-10	1.63E-08
182	436850.45	3725637.96	1.21E-07	4.76E-09	1.26E-07	2.53E-08	1.21E-09	2.65E-08	1.30E-07	5.72E-09	1.36E-07	1.54E-08	6.39E-10	1.61E-08
183	436847.31	3725629.06	1.19E-07	4.69E-09	1.24E-07	2.49E-08	1.19E-09	2.61E-08	1.28E-07	5.63E-09	1.34E-07	1.52E-08	6.29E-10	1.59E-08
184	436844.16	3725620.16	1.18E-07	4.65E-09	1.23E-07	2.47E-08	1.18E-09	2.59E-08	1.27E-07	5.57E-09	1.33E-07	1.51E-08	6.22E-10	1.57E-08
185	436841.02	3725611.26	1.18E-07	4.61E-09	1.22E-07	2.46E-08	1.17E-09	2.57E-08	1.26E-07	5.53E-09	1.32E-07	1.50E-08	6.17E-10	1.56E-08
186	436837.87	3725602.35	1.17E-07	4.58E-09	1.22E-07	2.44E-08	1.16E-09	2.56E-08	1.26E-07	5.49E-09	1.31E-07	1.49E-08	6.13E-10	1.55E-08
187	436834.73	3725593.45	1.16E-07	4.54E-09	1.21E-07	2.43E-08	1.15E-09	2.54E-08	1.25E-07	5.44E-09	1.30E-07	1.48E-08	6.08E-10	1.54E-08
188	436831.59	3725584.55	1.15E-07	4.50E-09	1.20E-07	2.41E-08	1.14E-09	2.52E-08	1.24E-07	5.40E-09	1.29E-07	1.47E-08	6.03E-10	1.53E-08
189	436828.44	3725575.65	1.15E-07	4.46E-09	1.19E-07	2.39E-08	1.13E-09	2.50E-08	1.23E-07	5.35E-09	1.28E-07	1.46E-08	5.97E-10	1.52E-08
190	436773.58	3725039.85	9.87E-08	3.46E-09	1.02E-07	2.05E-08	8.54E-10	2.14E-08	1.06E-07	4.04E-09	1.10E-07	1.24E-08	4.47E-10	1.29E-08
191	436777.64	3725031.33	9.94E-08	3.47E-09	1.03E-07	2.07E-08	8.55E-10	2.15E-08	1.07E-07	4.05E-09	1.11E-07	1.25E-08	4.48E-10	1.30E-08
192	436781.7	3725022.8	1.00E-07	3.48E-09	1.04E-07	2.08E-08	8.56E-10	2.17E-08	1.07E-07	4.05E-09	1.11E-07	1.26E-08	4.48E-10	1.30E-08
193	436785.76	3725014.28	1.01E-07	3.49E-09	1.04E-07	2.09E-08	8.56E-10	2.18E-08	1.08E-07	4.05E-09	1.12E-07	1.27E-08	4.48E-10	1.31E-08
194	436789.82	3725005.76	1.01E-07	3.49E-09	1.05E-07	2.11E-08	8.57E-10	2.19E-08	1.09E-07	4.06E-09	1.13E-07	1.28E-08	4.48E-10	1.32E-08
195	436793.88	3724997.24	1.02E-07	3.50E-09	1.06E-07	2.12E-08	8.57E-10	2.21E-08	1.10E-07	4.06E-09	1.14E-07	1.28E-08	4.48E-10	1.33E-08
196	436797.94	3724988.71	1.03E-07	3.50E-09	1.06E-07	2.14E-08	8.57E-10	2.22E-08	1.10E-07	4.06E-09	1.14E-07	1.29E-08	4.48E-10	1.34E-08
197	436802	3724980.19	1.04E-07	3.51E-09	1.07E-07	2.15E-08	8.56E-10	2.24E-08	1.11E-07	4.05E-09	1.15E-07	1.30E-08	4.47E-10	1.34E-08
198	436806.07	3724971.67	1.04E-07	3.51E-09	1.08E-07	2.16E-08	8.56E-10	2.25E-08	1.12E-07	4.05E-09	1.16E-07	1.31E-08	4.47E-10	1.35E-08
199	436810.13	3724963.15	1.05E-07	3.51E-09	1.08E-07	2.18E-08	8.54E-10	2.26E-08	1.13E-07	4.04E-09	1.17E-07	1.32E-08	4.46E-10	1.36E-08
200	436814.19	3724954.62	1.05E-07	3.50E-09	1.09E-07	2.19E-08	8.51E-10	2.27E-08	1.13E-07	4.03E-09	1.17E-07	1.32E-08	4.44E-10	1.36E-08
201	436818.25	3724946.1	1.06E-07	3.50E-09	1.09E-07	2.20E-08	8.48E-10	2.28E-08	1.14E-07	4.02E-09	1.18E-07	1.33E-08	4.42E-10	1.37E-08
202	436822.31	3724937.58	1.06E-07	3.49E-09	1.10E-07	2.20E-08	8.45E-10	2.29E-08	1.14E-07	4.00E-09	1.18E-07	1.33E-08	4.40E-10	1.37E-08
203	436826.37	3724929.06	1.07E-07	3.48E-09	1.10E-07	2.21E-08	8.41E-10	2.30E-08	1.14E-07	3.98E-09	1.18E-07	1.33E-08	4.38E-10	1.38E-08
204	436830.43	3724920.54	1.07E-07	3.47E-09	1.11E-07	2.22E-08	8.37E-10	2.30E-08	1.15E-07	3.96E-09	1.19E-07	1.34E-08	4.35E-10	1.38E-08
205	436834.49	3724912.01	1.07E-07	3.45E-09	1.11E-07	2.23E-08	8.32E-10	2.31E-08	1.15E-07	3.94E-09	1.19E-07	1.34E-08	4.32E-10	1.39E-08
206	436838.56	3724903.49	1.08E-07	3.44E-09	1.11E-07	2.23E-08	8.27E-10	2.32E-08	1.16E-07	3.92E-09	1.20E-07	1.35E-08	4.30E-10	1.39E-08
207	436842.62	3724894.97	1.08E-07	3.43E-09	1.12E-07	2.24E-08	8.23E-10	2.32E-08	1.16E-07	3.89E-09	1.20E-07	1.35E-08	4.27E-10	1.39E-08
208	436846.68	3724886.45	1.08E-07	3.41E-09	1.12E-07	2.25E-08	8.17E-10	2.33E-08	1.16E-07	3.87E-09	1.20E-07	1.35E-08	4.24E-10	1.40E-08
209	436850.74	3724877.92	1.09E-07	3.40E-09	1.12E-07	2.25E-08	8.12E-10	2.34E-08	1.17E-07	3.84E-09	1.21E-07	1.36E-08	4.21E-10	1.40E-08
210	436854.8	3724869.4	1.09E-07	3.38E-09	1.12E-07	2.26E-08	8.05E-10	2.34E-08	1.17E-07	3.81E-09	1.21E-07	1.36E-08	4.17E-10	1.40E-08
211	436858.86	3724860.88	1.09E-07	3.35E-09	1.12E-07	2.25E-08	7.97E-10	2.33E-08	1.17E-07	3.77E-09	1.20E-07	1.36E-08	4.12E-10	1.40E-08
212	436862.92	3724852.36	1.09E-07	3.32E-09	1.12E-07	2.25E-08	7.88E-10	2.33E-08	1.17E-07	3.73E-09	1.20E-07	1.35E-08	4.07E-10	1.39E-08
213	436866.98	3724843.83	1.08E-07	3.29E-09	1.12E-07	2.25E-08	7.79E-10	2.32E-08	1.16E-07	3.69E-09	1.20E-07	1.35E-08	4.02E-10	1.39E-08
214	436871.05	3724835.31	1.08E-07	3.25E-09	1.12E-07	2.24E-08	7.70E-10	2.32E-08	1.16E-07	3.64E-09	1.20E-07	1.35E-08	3.97E-10	1.39E-08
215	436875.11	3724826.79	1.08E-07	3.22E-09	1.11E-07	2.24E-08	7.60E-10	2.31E-08	1.16E-07	3.60E-09	1.19E-07	1.34E-08	3.92E-10	1.38E-08
216	436879.17	3724818.27	1.08E-07	3.19E-09	1.11E-07	2.23E-08	7.51E-10	2.30E-08	1.16E-07	3.55E-09	1.19E-07	1.34E-08	3.87E-10	1.38E-08
217	436883.23	3724809.74	1.07E-07	3.15E-09	1.10E-07	2.22E-08	7.41E-10	2.30E-08	1.15E-07	3.50E-09	1.19E-07	1.33E-08	3.81E-10	1.37E-08
218	436887.29	3724801.22	1.07E-07	3.12E-09	1.10E-07	2.21E-08	7.31E-10	2.29E-08	1.15E-07	3.46E-09	1.18E-07	1.33E-08	3.76E-10	1.37E-08
219	436891.35	3724792.7	1.06E-07	3.08E-09	1.10E-07	2.20E-08	7.20E-10	2.28E-08	1.14E-07	3.41E-09	1.18E-07	1.32E-08	3.70E-10	1.36E-08
220	436895.41	3724784.18	1.06E-07	3.04E-09	1.09E-07	2.19E-08	7.09E-10	2.26E-08	1.14E-07	3.36E-09	1.17E-07	1.31E-08	3.64E-10	1.35E-08
221	436899.47	3724775.66	1.05E-07	3.00E-09	1.08E-07	2.18E-08	6.99E-10	2.25E-08	1.13E-07	3.31E-09	1.16E-07	1.31E-08	3.58E-10	1.34E-08
222	436903.54	3724767.13	1.05E-07	2.96E-09	1.08E-07	2.17E-08	6.88E-10	2.24E-08	1.12E-07	3.25E-09	1.16E-07	1.30E-08	3.53E-10	1.33E-08
223	436907.6	3724758.61	1.04E-07	2.92E-09	1.07E-07	2.15E-08	6.77E-10	2.22E-08	1.12E-07	3.20E-09	1.15E-07	1.29E-08	3.47E-10	1.33E-08
224	436911.66	3724750.09	1.04E-07	2.88E-09	1.06E-07	2.14E-08	6.66E-10	2.21E-08	1.11E-07	3.15E-09	1.14E-07	1.28E-08	3.40E-10	1.32E-08
225	436915.72	3724741.57	1.03E-07	2.84E-09	1.06E-07	2.12E-08	6.55E-10	2.19E-08	1.10E-07	3.10E-09	1.13E-07	1.27E-08	3.35E-10	1.30E-08
226	436919.78	3724733.04	1.02E-07	2.80E-09	1.05E-07	2.11E-08	6.44E-10	2.17E-08	1.09E-07	3.04E-09	1.12E-07	1.26E-08	3.28E-10	1.29E-08
227	436923.84	3724724.52	1.01E-07	2.76E-09	1.04E-07	2.09E-08	6.32E-10	2.15E-08	1.09E-07	2.99E-09	1.12E-07	1.25E-08	3.22E-10	1.28E-08

228	436927.9	3724716	1.00E-07	2.71E-09	1.03E-07	2.07E-08	6.21E-10	2.13E-08	1.08E-07	2.94E-09	1.11E-07	1.24E-08	3.16E-10	1.27E-08
229	436931.96	3724707.48	9.95E-08	2.67E-09	1.02E-07	2.05E-08	6.09E-10	2.11E-08	1.07E-07	2.88E-09	1.10E-07	1.23E-08	3.10E-10	1.26E-08
230	436936.02	3724698.95	9.85E-08	2.63E-09	1.01E-07	2.03E-08	5.98E-10	2.09E-08	1.06E-07	2.83E-09	1.09E-07	1.21E-08	3.04E-10	1.25E-08
231	436940.09	3724690.43	9.75E-08	2.58E-09	1.00E-07	2.01E-08	5.87E-10	2.07E-08	1.05E-07	2.77E-09	1.07E-07	1.20E-08	2.98E-10	1.23E-08
232	436910.18	3725807.1	1.36E-07	5.53E-09	1.42E-07	2.85E-08	1.41E-09	2.99E-08	1.46E-07	6.68E-09	1.53E-07	1.74E-08	7.48E-10	1.82E-08
233	436916.5	3725814.14	1.37E-07	5.60E-09	1.43E-07	2.88E-08	1.43E-09	3.02E-08	1.48E-07	6.77E-09	1.54E-07	1.76E-08	7.58E-10	1.84E-08
234	436922.82	3725821.18	1.39E-07	5.67E-09	1.45E-07	2.91E-08	1.45E-09	3.05E-08	1.49E-07	6.86E-09	1.56E-07	1.78E-08	7.68E-10	1.86E-08
235	436877.3	3725825.01	1.24E-07	4.96E-09	1.29E-07	2.60E-08	1.26E-09	2.72E-08	1.33E-07	5.96E-09	1.39E-07	1.59E-08	6.67E-10	1.65E-08
236	436874.19	3725816.2	1.24E-07	4.94E-09	1.29E-07	2.59E-08	1.25E-09	2.72E-08	1.33E-07	5.94E-09	1.39E-07	1.58E-08	6.64E-10	1.65E-08
237	436871.08	3725807.39	1.24E-07	4.92E-09	1.29E-07	2.58E-08	1.25E-09	2.71E-08	1.33E-07	5.92E-09	1.39E-07	1.58E-08	6.62E-10	1.65E-08
238	436867.97	3725798.59	1.23E-07	4.91E-09	1.28E-07	2.58E-08	1.25E-09	2.70E-08	1.32E-07	5.90E-09	1.38E-07	1.58E-08	6.60E-10	1.64E-08
239	436864.86	3725789.78	1.23E-07	4.89E-09	1.28E-07	2.57E-08	1.24E-09	2.70E-08	1.32E-07	5.88E-09	1.38E-07	1.57E-08	6.58E-10	1.64E-08
240	436861.75	3725780.97	1.23E-07	4.88E-09	1.28E-07	2.57E-08	1.24E-09	2.69E-08	1.32E-07	5.86E-09	1.38E-07	1.57E-08	6.55E-10	1.63E-08
241	436858.64	3725772.16	1.23E-07	4.87E-09	1.27E-07	2.56E-08	1.23E-09	2.68E-08	1.32E-07	5.85E-09	1.37E-07	1.57E-08	6.54E-10	1.63E-08
242	436855.53	3725763.36	1.23E-07	4.86E-09	1.27E-07	2.56E-08	1.23E-09	2.68E-08	1.32E-07	5.84E-09	1.37E-07	1.56E-08	6.53E-10	1.63E-08
243	436852.42	3725754.55	1.22E-07	4.85E-09	1.27E-07	2.56E-08	1.23E-09	2.68E-08	1.32E-07	5.83E-09	1.37E-07	1.56E-08	6.52E-10	1.63E-08
244	436836.87	3725710.51	1.20E-07	4.75E-09	1.25E-07	2.51E-08	1.20E-09	2.63E-08	1.29E-07	5.70E-09	1.35E-07	1.54E-08	6.37E-10	1.60E-08
245	436833.76	3725701.7	1.19E-07	4.70E-09	1.24E-07	2.49E-08	1.19E-09	2.61E-08	1.28E-07	5.63E-09	1.34E-07	1.52E-08	6.29E-10	1.58E-08
246	436830.65	3725692.89	1.18E-07	4.65E-09	1.23E-07	2.47E-08	1.18E-09	2.59E-08	1.27E-07	5.58E-09	1.33E-07	1.51E-08	6.23E-10	1.57E-08
247	436827.54	3725684.09	1.17E-07	4.61E-09	1.22E-07	2.45E-08	1.17E-09	2.57E-08	1.26E-07	5.53E-09	1.32E-07	1.50E-08	6.17E-10	1.56E-08
248	436824.43	3725675.28	1.16E-07	4.56E-09	1.21E-07	2.43E-08	1.15E-09	2.55E-08	1.25E-07	5.46E-09	1.30E-07	1.48E-08	6.10E-10	1.54E-08
249	436821.32	3725666.47	1.15E-07	4.51E-09	1.20E-07	2.41E-08	1.14E-09	2.52E-08	1.24E-07	5.40E-09	1.29E-07	1.47E-08	6.03E-10	1.53E-08
250	436818.21	3725657.66	1.14E-07	4.46E-09	1.19E-07	2.39E-08	1.13E-09	2.50E-08	1.23E-07	5.34E-09	1.28E-07	1.46E-08	5.96E-10	1.52E-08
251	436815.09	3725648.86	1.13E-07	4.40E-09	1.17E-07	2.36E-08	1.11E-09	2.47E-08	1.21E-07	5.27E-09	1.27E-07	1.44E-08	5.88E-10	1.50E-08
252	436811.98	3725640.05	1.12E-07	4.34E-09	1.16E-07	2.33E-08	1.10E-09	2.44E-08	1.20E-07	5.20E-09	1.25E-07	1.42E-08	5.80E-10	1.48E-08
253	436808.87	3725631.24	1.11E-07	4.29E-09	1.15E-07	2.31E-08	1.08E-09	2.42E-08	1.19E-07	5.13E-09	1.24E-07	1.41E-08	5.73E-10	1.47E-08
254	436716.74	3725073.19	9.10E-08	3.25E-09	9.42E-08	1.89E-08	8.03E-10	1.97E-08	9.76E-08	3.80E-09	1.01E-07	1.15E-08	4.21E-10	1.19E-08
255	436720.76	3725064.75	9.17E-08	3.26E-09	9.49E-08	1.91E-08	8.06E-10	1.99E-08	9.84E-08	3.82E-09	1.02E-07	1.16E-08	4.23E-10	1.20E-08
256	436724.78	3725056.32	9.22E-08	3.27E-09	9.54E-08	1.92E-08	8.07E-10	2.00E-08	9.89E-08	3.82E-09	1.03E-07	1.16E-08	4.23E-10	1.20E-08
257	436728.8	3725047.89	9.28E-08	3.28E-09	9.61E-08	1.93E-08	8.09E-10	2.01E-08	9.96E-08	3.83E-09	1.03E-07	1.17E-08	4.24E-10	1.21E-08
258	436732.81	3725039.46	9.34E-08	3.29E-09	9.66E-08	1.94E-08	8.11E-10	2.02E-08	1.00E-07	3.84E-09	1.04E-07	1.18E-08	4.25E-10	1.22E-08
259	436736.83	3725031.03	9.39E-08	3.30E-09	9.72E-08	1.95E-08	8.11E-10	2.03E-08	1.01E-07	3.84E-09	1.05E-07	1.18E-08	4.25E-10	1.22E-08
260	436740.85	3725022.59	9.45E-08	3.30E-09	9.78E-08	1.96E-08	8.12E-10	2.04E-08	1.01E-07	3.85E-09	1.05E-07	1.19E-08	4.25E-10	1.23E-08
261	436744.87	3725014.16	9.50E-08	3.31E-09	9.83E-08	1.97E-08	8.13E-10	2.06E-08	1.02E-07	3.85E-09	1.06E-07	1.19E-08	4.25E-10	1.24E-08
262	436748.89	3725005.73	9.56E-08	3.31E-09	9.89E-08	1.99E-08	8.13E-10	2.07E-08	1.03E-07	3.85E-09	1.06E-07	1.20E-08	4.26E-10	1.24E-08
263	436752.91	3724997.3	9.62E-08	3.32E-09	9.95E-08	2.00E-08	8.14E-10	2.08E-08	1.03E-07	3.85E-09	1.07E-07	1.21E-08	4.26E-10	1.25E-08
264	436756.92	3724988.87	9.69E-08	3.33E-09	1.00E-07	2.01E-08	8.15E-10	2.09E-08	1.04E-07	3.86E-09	1.08E-07	1.22E-08	4.26E-10	1.26E-08
265	436760.94	3724980.43	9.75E-08	3.33E-09	1.01E-07	2.03E-08	8.15E-10	2.11E-08	1.05E-07	3.86E-09	1.09E-07	1.22E-08	4.26E-10	1.27E-08
266	436764.96	3724972	9.82E-08	3.34E-09	1.02E-07	2.04E-08	8.16E-10	2.12E-08	1.05E-07	3.86E-09	1.09E-07	1.23E-08	4.26E-10	1.28E-08
267	436768.98	3724963.57	9.89E-08	3.34E-09	1.02E-07	2.05E-08	8.16E-10	2.13E-08	1.06E-07	3.86E-09	1.10E-07	1.24E-08	4.26E-10	1.28E-08
268	436773	3724955.14	9.95E-08	3.35E-09	1.03E-07	2.06E-08	8.15E-10	2.15E-08	1.07E-07	3.86E-09	1.11E-07	1.25E-08	4.25E-10	1.29E-08
269	436777.02	3724946.7	1.00E-07	3.35E-09	1.03E-07	2.08E-08	8.14E-10	2.16E-08	1.07E-07	3.85E-09	1.11E-07	1.25E-08	4.25E-10	1.30E-08
270	436781.03	3724938.27	1.01E-07	3.35E-09	1.04E-07	2.09E-08	8.13E-10	2.17E-08	1.08E-07	3.85E-09	1.12E-07	1.26E-08	4.24E-10	1.30E-08
271	436785.05	3724929.84	1.01E-07	3.34E-09	1.04E-07	2.10E-08	8.11E-10	2.18E-08	1.09E-07	3.84E-09	1.12E-07	1.27E-08	4.23E-10	1.31E-08
272	436789.07	3724921.41	1.01E-07	3.33E-09	1.05E-07	2.10E-08	8.07E-10	2.18E-08	1.09E-07	3.82E-09	1.13E-07	1.27E-08	4.20E-10	1.31E-08
273	436793.09	3724912.98	1.02E-07	3.32E-09	1.05E-07	2.11E-08	8.03E-10	2.19E-08	1.09E-07	3.80E-09	1.13E-07	1.27E-08	4.18E-10	1.31E-08
274	436797.11	3724904.54	1.02E-07	3.30E-09	1.05E-07	2.11E-08	7.98E-10	2.19E-08	1.09E-07	3.78E-09	1.13E-07	1.27E-08	4.15E-10	1.31E-08
275	436801.12	3724896.11	1.02E-07	3.29E-09	1.05E-07	2.11E-08	7.93E-10	2.19E-08	1.09E-07	3.75E-09	1.13E-07	1.27E-08	4.12E-10	1.32E-08
276	436805.14	3724887.68	1.02E-07	3.27E-09	1.05E-07	2.12E-08	7.87E-10	2.20E-08	1.10E-07	3.73E-09	1.13E-07	1.28E-08	4.09E-10	1.32E-08
277	436809.16	3724879.25	1.02E-07	3.25E-09	1.05E-07	2.12E-08	7.81E-10	2.20E-08	1.10E-07	3.70E-09	1.13E-07	1.28E-08	4.06E-10	1.32E-08
278	436813.18	3724870.81	1.02E-07	3.23E-09	1.05E-07	2.12E-08	7.75E-10	2.20E-08	1.10E-07	3.67E-09	1.13E-07	1.28E-08	4.02E-10	1.32E-08
279	436817.2	3724862.38	1.02E-07	3.21E-09	1.05E-07	2.12E-08	7.68E-10	2.20E-08	1.10E-07	3.64E-09	1.13E-07	1.28E-08	3.98E-10	1.32E-08
280	436821.22	3724853.95	1.02E-07	3.19E-09	1.05E-07	2.12E-08	7.61E-10	2.19E-08	1.10E-07	3.60E-09	1.13E-07	1.28E-08	3.95E-10	1.31E-08
281	436825.23	3724845.52	1.02E-07	3.16E-09	1.05E-07	2.12E-08	7.55E-10	2.19E-08	1.10E-07	3.57E-09	1.13E-07	1.27E-08	3.91E-10	1.31E-08
282	436829.25	3724837.09	1.02E-07	3.14E-09	1.05E-07	2.11E-08	7.47E-10	2.19E-08	1.09E-07	3.54E-09	1.13E-07	1.27E-08	3.87E-10	1.31E-08
283	436833.27	3724828.65	1.02E-07	3.11E-09	1.05E-07	2.11E-08	7.40E-10	2.18E-08	1.09E-07	3.50E-09	1.13E-07	1.27E-08	3.82E-10	1.31E-08
284	436837.29	3724820.22	1.02E-07	3.09E-09	1.05E-07	2.11E-08	7.32E-10	2.18E-08	1.09E-07	3.46E-09	1.13E-07	1.27E-08	3.78E-10	1.30E-08
285	436841.31	3724811.79	1.01E-07	3.06E-09	1.04E-07	2.10E-08	7.24E-10	2.17E-08	1.09E-07	3.42E-09	1.12E-07	1.26E-08	3.74E-10	1.30E-08
286	436845.33	3724803.36	1.01E-07	3.03E-09	1.04E-07	2.09E-08	7.15E-10	2.16E-08	1.08E-07	3.38E-09	1.12E-07	1.26E-08	3.69E-10	1.29E-08
287	436849.34	3724794.93	1.01E-07	3.00E-09	1.04E-07	2.09E-08	7.07E-10	2.16E-08	1.08E-07	3.34E-09	1.11E-07	1.25E-08	3.64E-10	1.29E-08
288	436853.36	3724786.49	1.00E-07	2.97E-09	1.03E-07	2.08E-08	6.98E-10	2.15E-08	1.08E-07	3.30E-09	1.11E-07	1.25E-08	3.59E-10	1.28E-08
289	436857.38	3724778.06	1.00E-07	2.93E-09	1.03E-07	2.07E-08	6.89E-10	2.14E-08	1.07E-07	3.26E-09	1.11E-07	1.24E-08	3.55E-10	1.28E-08
290	436861.4	3724769.63	9.96E-08	2.90E-09	1.03E-07	2.06E-08	6.80E-10	2.13E-08	1.07E-07	3.21E-09	1.10E-07	1.24E-08	3.49E-10	1.27E-08
291	436865.42	3724761.2	9.91E-08	2.87E-09	1.02E-07	2.05E-08	6.70E-10	2.12E-08	1.06E-07	3.17E-09	1.10E-07	1.23E-08	3.44E-10	1.26E-08
292	436869.44	3724752.76	9.86E-08	2.83E-09	1.01E-07	2.04E-08	6.61E-10	2.10E-08	1.06E-07	3.13E-09	1.09E-07	1.22E-08	3.39E-10	1.26E-08
293	436873.45	3724744.33	9.81E-08	2.80E-09	1.01E-07	2.03E-08	6.52E-10	2.09E-08	1.05E-07	3.08E-09	1.08E-07	1.22E-08	3.34E-10	1.25E-08
294	436877.47	3724735.9	9.75E-08	2.76E-09	1.00E-07	2.02E-08	6.42E-10	2.08E-08	1.05E-07	3.04E-09	1.08E-07	1.21E-08	3.29E-10	1.24E-08
295	436881.49	3724727.47	9.69E-08	2.73E-09	9.96E-08	2.00E-08	6.32E-10	2.07E-08	1.04E-07	2.99E-09	1.07E-07	1.20E-08	3.24E-10	1.23E-08
296	436885.51	3724719.04	9.63E-08	2.69E-09	9.89E-08	1.99E-08	6.22E-10	2.05E-08	1.03E-07	2.94E-09	1.06E-07	1.19E-08	3.18E-10	1.22E-08
297	436889.53	3724710.6	9.56E-08	2.66E-09	9.82E-08	1.97E-08	6.13E-10	2.04E-08	1.02E-07	2.90E-09	1.05E-07	1.18E-08	3.13E-10	1.21E-08
298	436893.54	3724702.17	9.48E-08	2.62E-09	9.75E-08	1.96E-08	6.03E-10	2.02E-08	1.02E-07	2.85E-09	1.05E-07	1.17E-08	3.08E-10	1.20E-08
299	436897.56	3724693.74	9.41E-08	2.58E-09	9.67E-08	1.94E-08	5.92E-10	2.00E-08	1.01E-07	2.80E-09	1.04E-07	1.16E-08	3.02E-10	1.19E-08
300	436901.58	3724685.31	9.33E-08	2.54E-09	9.58E-08	1.93E-08	5.82E-10	1.98E-08	1.00E-07	2.75E-09	1.03E-07	1.15E-08	2.97E-10	1.18E-08
301	436905.6	3724676.87	9.25E-08	2.50E-09	9.50E-08	1.91E-08	5.72E-10	1.97E-08	9.92E-08	2.70E-09	1.02E-07	1.14E-08	2.91E-10	1.17E-08
302	436909.62	3724668.44	9.16E-08	2.46E-09	9.41E-08	1.89E-08	5.62E-10	1.95E-08	9.82E-08	2.66E-09	1.01E-07	1.13E-08	2.86E-10	1.16E-08
303	436913.64	3724660.01	9.08E-08	2.43E-09	9.32E-08	1.87E-08	5.52E-10	1.93E-08	9.73E-08	2.61E-09	9.99E-08	1.12E-08	2.80E-10	1.15E-08
304	436917.65	3724651.58	8.98E-08	2.39E-09	9.22E-08	1.85E-08	5.42E-10	1.91E-08	9.63E-08	2.56E-09	9.89E-08	1.11E-08	2.75E-10	1.13E-08

305	436921.67	3724643.15	8.89E-08	2.35E-09	9.13E-08	1.83E-08	5.32E-10	1.89E-08	9.53E-08	2.51E-09	9.79E-08	1.09E-08	2.70E-10	1.12E-08
306	436925.69	3724634.71	8.79E-08	2.31E-09	9.02E-08	1.81E-08	5.22E-10	1.86E-08	9.43E-08	2.47E-09	9.67E-08	1.08E-08	2.64E-10	1.11E-08
307	436929.71	3724626.28	8.69E-08	2.27E-09	8.92E-08	1.79E-08	5.12E-10	1.84E-08	9.32E-08	2.42E-09	9.56E-08	1.07E-08	2.59E-10	1.09E-08
308	436933.73	3724617.85	8.59E-08	2.23E-09	8.81E-08	1.77E-08	5.02E-10	1.82E-08	9.21E-08	2.37E-09	9.45E-08	1.05E-08	2.54E-10	1.08E-08
309	436937.75	3724609.42	8.49E-08	2.19E-09	8.71E-08	1.75E-08	4.92E-10	1.80E-08	9.10E-08	2.32E-09	9.33E-08	1.04E-08	2.49E-10	1.07E-08
310	436941.76	3724600.99	8.38E-08	2.15E-09	8.60E-08	1.73E-08	4.82E-10	1.77E-08	8.99E-08	2.28E-09	9.21E-08	1.03E-08	2.43E-10	1.05E-08
311	436880.41	3725833.82	1.25E-07	4.97E-09	1.30E-07	2.60E-08	1.26E-09	2.73E-08	1.34E-07	5.98E-09	1.40E-07	1.59E-08	6.69E-10	1.66E-08
312	436886.73	3725840.86	1.26E-07	5.05E-09	1.31E-07	2.64E-08	1.28E-09	2.76E-08	1.35E-07	6.07E-09	1.42E-07	1.61E-08	6.79E-10	1.68E-08
313	436893.05	3725847.9	1.28E-07	5.13E-09	1.33E-07	2.67E-08	1.30E-09	2.80E-08	1.37E-07	6.17E-09	1.43E-07	1.63E-08	6.91E-10	1.70E-08
314	436847.52	3725851.7	1.16E-07	4.55E-09	1.20E-07	2.41E-08	1.15E-09	2.53E-08	1.24E-07	5.45E-09	1.30E-07	1.47E-08	6.09E-10	1.53E-08
315	436844.4	3725842.86	1.15E-07	4.52E-09	1.20E-07	2.40E-08	1.14E-09	2.52E-08	1.24E-07	5.42E-09	1.29E-07	1.47E-08	6.05E-10	1.53E-08
316	436841.28	3725834.02	1.15E-07	4.50E-09	1.19E-07	2.39E-08	1.14E-09	2.51E-08	1.23E-07	5.39E-09	1.28E-07	1.46E-08	6.02E-10	1.52E-08
317	436838.16	3725825.18	1.14E-07	4.48E-09	1.19E-07	2.38E-08	1.13E-09	2.50E-08	1.23E-07	5.37E-09	1.28E-07	1.46E-08	5.99E-10	1.52E-08
318	436835.04	3725816.34	1.14E-07	4.46E-09	1.18E-07	2.38E-08	1.13E-09	2.49E-08	1.22E-07	5.34E-09	1.28E-07	1.45E-08	5.97E-10	1.51E-08
319	436831.92	3725807.5	1.13E-07	4.44E-09	1.18E-07	2.37E-08	1.12E-09	2.48E-08	1.22E-07	5.32E-09	1.27E-07	1.44E-08	5.93E-10	1.50E-08
320	436828.79	3725798.66	1.13E-07	4.42E-09	1.17E-07	2.36E-08	1.12E-09	2.47E-08	1.21E-07	5.29E-09	1.27E-07	1.44E-08	5.91E-10	1.50E-08
321	436825.67	3725789.82	1.13E-07	4.40E-09	1.17E-07	2.35E-08	1.11E-09	2.46E-08	1.21E-07	5.26E-09	1.26E-07	1.43E-08	5.88E-10	1.49E-08
322	436822.55	3725780.98	1.12E-07	4.38E-09	1.16E-07	2.34E-08	1.11E-09	2.45E-08	1.20E-07	5.24E-09	1.26E-07	1.43E-08	5.85E-10	1.49E-08
323	436819.43	3725772.14	1.12E-07	4.36E-09	1.16E-07	2.33E-08	1.10E-09	2.44E-08	1.20E-07	5.22E-09	1.25E-07	1.42E-08	5.83E-10	1.48E-08
324	436816.31	3725763.3	1.12E-07	4.35E-09	1.16E-07	2.33E-08	1.10E-09	2.44E-08	1.20E-07	5.21E-09	1.25E-07	1.42E-08	5.81E-10	1.48E-08
325	436791.34	3725692.58	1.09E-07	4.24E-09	1.14E-07	2.28E-08	1.07E-09	2.39E-08	1.17E-07	5.07E-09	1.23E-07	1.39E-08	5.65E-10	1.45E-08
326	436788.21	3725683.75	1.09E-07	4.22E-09	1.13E-07	2.27E-08	1.06E-09	2.38E-08	1.17E-07	5.04E-09	1.22E-07	1.39E-08	5.62E-10	1.44E-08
327	436672.98	3725079.09	8.30E-08	2.97E-09	8.60E-08	1.73E-08	7.34E-10	1.80E-08	8.91E-08	3.48E-09	9.26E-08	1.05E-08	3.85E-10	1.08E-08
328	436677.02	3725070.62	8.37E-08	2.99E-09	8.67E-08	1.74E-08	7.38E-10	1.81E-08	8.98E-08	3.49E-09	9.33E-08	1.05E-08	3.87E-10	1.09E-08
329	436681.05	3725062.16	8.44E-08	3.01E-09	8.74E-08	1.76E-08	7.42E-10	1.83E-08	9.06E-08	3.51E-09	9.41E-08	1.06E-08	3.89E-10	1.10E-08
330	436685.08	3725053.7	8.52E-08	3.02E-09	8.83E-08	1.77E-08	7.46E-10	1.85E-08	9.15E-08	3.53E-09	9.50E-08	1.07E-08	3.91E-10	1.11E-08
331	436689.11	3725045.23	8.61E-08	3.05E-09	8.92E-08	1.79E-08	7.52E-10	1.87E-08	9.25E-08	3.56E-09	9.60E-08	1.08E-08	3.94E-10	1.12E-08
332	436693.15	3725036.77	8.70E-08	3.07E-09	9.01E-08	1.81E-08	7.56E-10	1.88E-08	9.34E-08	3.58E-09	9.70E-08	1.09E-08	3.96E-10	1.13E-08
333	436697.18	3725028.31	8.79E-08	3.09E-09	9.10E-08	1.83E-08	7.61E-10	1.90E-08	9.43E-08	3.60E-09	9.79E-08	1.10E-08	3.99E-10	1.14E-08
334	436701.21	3725019.85	8.86E-08	3.11E-09	9.17E-08	1.84E-08	7.64E-10	1.92E-08	9.51E-08	3.62E-09	9.87E-08	1.11E-08	4.00E-10	1.15E-08
335	436705.25	3725011.38	8.93E-08	3.12E-09	9.24E-08	1.86E-08	7.66E-10	1.93E-08	9.58E-08	3.63E-09	9.95E-08	1.12E-08	4.01E-10	1.16E-08
336	436709.28	3725002.92	8.99E-08	3.13E-09	9.31E-08	1.87E-08	7.68E-10	1.95E-08	9.65E-08	3.64E-09	1.00E-07	1.13E-08	4.02E-10	1.17E-08
337	436713.31	3724994.46	9.06E-08	3.14E-09	9.37E-08	1.88E-08	7.69E-10	1.96E-08	9.72E-08	3.64E-09	1.01E-07	1.14E-08	4.03E-10	1.18E-08
338	436717.34	3724985.99	9.13E-08	3.15E-09	9.44E-08	1.90E-08	7.72E-10	1.97E-08	9.80E-08	3.65E-09	1.02E-07	1.15E-08	4.04E-10	1.19E-08
339	436721.38	3724977.53	9.20E-08	3.16E-09	9.51E-08	1.91E-08	7.73E-10	1.99E-08	9.87E-08	3.66E-09	1.02E-07	1.15E-08	4.04E-10	1.19E-08
340	436725.41	3724969.07	9.26E-08	3.17E-09	9.58E-08	1.92E-08	7.74E-10	2.00E-08	9.94E-08	3.67E-09	1.03E-07	1.16E-08	4.05E-10	1.20E-08
341	436729.44	3724960.61	9.32E-08	3.17E-09	9.63E-08	1.93E-08	7.74E-10	2.01E-08	1.00E-07	3.67E-09	1.04E-07	1.17E-08	4.05E-10	1.21E-08
342	436733.48	3724952.14	9.37E-08	3.17E-09	9.69E-08	1.95E-08	7.74E-10	2.02E-08	1.01E-07	3.66E-09	1.04E-07	1.17E-08	4.04E-10	1.22E-08
343	436737.51	3724943.68	9.42E-08	3.18E-09	9.74E-08	1.96E-08	7.74E-10	2.03E-08	1.01E-07	3.66E-09	1.05E-07	1.18E-08	4.04E-10	1.22E-08
344	436741.54	3724935.22	9.45E-08	3.17E-09	9.77E-08	1.96E-08	7.72E-10	2.04E-08	1.01E-07	3.65E-09	1.05E-07	1.18E-08	4.03E-10	1.22E-08
345	436745.57	3724926.76	9.48E-08	3.16E-09	9.80E-08	1.97E-08	7.69E-10	2.04E-08	1.02E-07	3.64E-09	1.05E-07	1.19E-08	4.01E-10	1.23E-08
346	436749.61	3724918.29	9.51E-08	3.15E-09	9.82E-08	1.97E-08	7.66E-10	2.05E-08	1.02E-07	3.62E-09	1.06E-07	1.19E-08	3.99E-10	1.23E-08
347	436753.64	3724909.83	9.53E-08	3.14E-09	9.84E-08	1.98E-08	7.62E-10	2.05E-08	1.02E-07	3.61E-09	1.06E-07	1.19E-08	3.97E-10	1.23E-08
348	436757.67	3724901.37	9.55E-08	3.13E-09	9.86E-08	1.98E-08	7.58E-10	2.06E-08	1.02E-07	3.59E-09	1.06E-07	1.19E-08	3.95E-10	1.23E-08
349	436761.71	3724892.9	9.57E-08	3.12E-09	9.88E-08	1.98E-08	7.54E-10	2.06E-08	1.03E-07	3.57E-09	1.06E-07	1.20E-08	3.92E-10	1.24E-08
350	436765.74	3724884.44	9.59E-08	3.11E-09	9.90E-08	1.99E-08	7.50E-10	2.06E-08	1.03E-07	3.55E-09	1.06E-07	1.20E-08	3.90E-10	1.24E-08
351	436769.77	3724875.98	9.60E-08	3.09E-09	9.91E-08	1.99E-08	7.45E-10	2.06E-08	1.03E-07	3.53E-09	1.07E-07	1.20E-08	3.87E-10	1.24E-08
352	436773.8	3724867.52	9.60E-08	3.08E-09	9.91E-08	1.99E-08	7.40E-10	2.07E-08	1.03E-07	3.50E-09	1.07E-07	1.20E-08	3.85E-10	1.24E-08
353	436777.84	3724859.05	9.61E-08	3.06E-09	9.91E-08	1.99E-08	7.35E-10	2.07E-08	1.03E-07	3.48E-09	1.07E-07	1.20E-08	3.82E-10	1.24E-08
354	436781.87	3724850.59	9.61E-08	3.04E-09	9.91E-08	1.99E-08	7.30E-10	2.06E-08	1.03E-07	3.45E-09	1.07E-07	1.20E-08	3.79E-10	1.24E-08
355	436785.9	3724842.13	9.61E-08	3.02E-09	9.91E-08	1.99E-08	7.24E-10	2.06E-08	1.03E-07	3.43E-09	1.07E-07	1.20E-08	3.75E-10	1.24E-08
356	436789.94	3724833.66	9.60E-08	3.00E-09	9.90E-08	1.99E-08	7.18E-10	2.06E-08	1.03E-07	3.40E-09	1.06E-07	1.20E-08	3.72E-10	1.23E-08
357	436793.97	3724825.2	9.59E-08	2.98E-09	9.89E-08	1.99E-08	7.12E-10	2.06E-08	1.03E-07	3.37E-09	1.06E-07	1.20E-08	3.69E-10	1.23E-08
358	436798	3724816.74	9.58E-08	2.96E-09	9.87E-08	1.98E-08	7.06E-10	2.05E-08	1.03E-07	3.34E-09	1.06E-07	1.19E-08	3.65E-10	1.23E-08
359	436802.03	3724808.28	9.56E-08	2.94E-09	9.86E-08	1.98E-08	6.99E-10	2.05E-08	1.03E-07	3.31E-09	1.06E-07	1.19E-08	3.61E-10	1.23E-08
360	436806.07	3724799.81	9.54E-08	2.91E-09	9.83E-08	1.98E-08	6.92E-10	2.04E-08	1.02E-07	3.27E-09	1.06E-07	1.19E-08	3.57E-10	1.22E-08
361	436810.1	3724791.35	9.52E-08	2.89E-09	9.81E-08	1.97E-08	6.85E-10	2.04E-08	1.02E-07	3.24E-09	1.05E-07	1.18E-08	3.54E-10	1.22E-08
362	436814.13	3724782.89	9.49E-08	2.86E-09	9.78E-08	1.97E-08	6.77E-10	2.03E-08	1.02E-07	3.20E-09	1.05E-07	1.18E-08	3.49E-10	1.22E-08
363	436818.17	3724774.42	9.46E-08	2.84E-09	9.75E-08	1.96E-08	6.70E-10	2.03E-08	1.02E-07	3.17E-09	1.05E-07	1.18E-08	3.45E-10	1.21E-08
364	436822.2	3724765.96	9.43E-08	2.81E-09	9.71E-08	1.95E-08	6.62E-10	2.02E-08	1.01E-07	3.13E-09	1.04E-07	1.17E-08	3.41E-10	1.21E-08
365	436826.23	3724757.5	9.40E-08	2.78E-09	9.68E-08	1.94E-08	6.54E-10	2.01E-08	1.01E-07	3.09E-09	1.04E-07	1.17E-08	3.37E-10	1.20E-08
366	436830.27	3724749.04	9.36E-08	2.75E-09	9.64E-08	1.94E-08	6.46E-10	2.00E-08	1.00E-07	3.06E-09	1.03E-07	1.16E-08	3.32E-10	1.19E-08
367	436834.3	3724740.57	9.32E-08	2.72E-09	9.59E-08	1.93E-08	6.38E-10	1.99E-08	1.00E-07	3.02E-09	1.03E-07	1.16E-08	3.28E-10	1.19E-08
368	436838.33	3724732.11	9.27E-08	2.69E-09	9.54E-08	1.92E-08	6.30E-10	1.98E-08	9.95E-08	2.98E-09	1.02E-07	1.15E-08	3.23E-10	1.18E-08
369	436842.36	3724723.65	9.22E-08	2.66E-09	9.49E-08	1.91E-08	6.21E-10	1.97E-08	9.89E-08	2.94E-09	1.02E-07	1.14E-08	3.19E-10	1.17E-08
370	436846.4	3724715.18	9.17E-08	2.63E-09	9.43E-08	1.90E-08	6.12E-10	1.96E-08	9.84E-08	2.90E-09	1.01E-07	1.14E-08	3.14E-10	1.17E-08
371	436850.43	3724706.72	9.12E-08	2.60E-09	9.38E-08	1.88E-08	6.04E-10	1.94E-08	9.78E-08	2.86E-09	1.01E-07	1.13E-08	3.09E-10	1.16E-08
372	436854.46	3724698.26	9.06E-08	2.57E-09	9.32E-08	1.87E-08	5.95E-10	1.93E-08	9.72E-08	2.81E-09	1.00E-07	1.12E-08	3.05E-10	1.15E-08
373	436858.5	3724689.8	9.00E-08	2.53E-09	9.25E-08	1.86E-08	5.86E-10	1.92E-08	9.65E-08	2.77E-09	9.93E-08	1.11E-08	3.00E-10	1.14E-08
374	436862.53	3724681.33	8.94E-08	2.50E-09	9.19E-08	1.85E-08	5.77E-10	1.90E-08	9.58E-08	2.73E-09	9.86E-08	1.10E-08	2.95E-10	1.13E-08
375	436866.56	3724672.87	8.87E-08	2.46E-09	9.11E-08	1.83E-08	5.68E-10	1.89E-08	9.51E-08	2.69E-09	9.78E-08	1.09E-08	2.90E-10	1.12E-08
376	436870.59	3724664.41	8.80E-08	2.43E-09	9.04E-08	1.82E-08	5.59E-10	1.87E-08	9.43E-08	2.64E-09	9.70E-08	1.09E-08	2.85E-10	1.11E-08
377	436874.63	3724655.94	8.73E-08	2.40E-09	8.97E-08	1.80E-08	5.50E-10	1.86E-08	9.36E-08	2.60E-09	9.62E-08	1.08E-08	2.80E-10	1.10E-08
378	436878.66	3724647.48	8.65E-08	2.36E-09	8.89E-08	1.79E-08	5.41E-10	1.84E-08	9.28E-08	2.56E-09	9.53E-08	1.07E-08	2.76E-10	1.09E-08
379	436882.69	3724639.02	8.58E-08	2.33E-09	8.81E-08	1.77E-08	5.32E-10	1.82E-08	9.20E-08	2.51E-09	9.45E-08	1.06E-08	2.71E-10	1.08E-08
380	436886.73	3724630.56	8.50E-08	2.29E-09	8.73E-08	1.75E-08	5.23E-10	1.80E-08	9.11E-08	2.47E-09	9.36E-08	1.05E-08	2.66E-10	1.07E-08
381	436890.76	3724622.09	8.42E-08	2.26E-09	8.64E-08	1.74E-08	5.14E-10	1.79E-08	9.02E-08	2.43E-09	9.27E-08	1.04E-08	2.61E-10	1.06E-08

382	436894.79	3724613.63	8.33E-08	2.22E-09	8.55E-08	1.72E-08	5.05E-10	1.77E-08	8.93E-08	2.39E-09	9.17E-08	1.02E-08	2.56E-10	1.05E-08
383	436898.82	3724605.17	8.24E-08	2.19E-09	8.46E-08	1.70E-08	4.96E-10	1.75E-08	8.84E-08	2.34E-09	9.07E-08	1.01E-08	2.51E-10	1.04E-08
384	436902.86	3724596.7	8.16E-08	2.15E-09	8.38E-08	1.68E-08	4.87E-10	1.73E-08	8.75E-08	2.30E-09	8.98E-08	1.00E-08	2.47E-10	1.03E-08
385	436906.89	3724588.24	8.08E-08	2.12E-09	8.29E-08	1.66E-08	4.78E-10	1.71E-08	8.66E-08	2.26E-09	8.89E-08	9.92E-09	2.42E-10	1.02E-08
386	436910.92	3724579.78	7.99E-08	2.09E-09	8.20E-08	1.65E-08	4.70E-10	1.69E-08	8.56E-08	2.22E-09	8.79E-08	9.80E-09	2.38E-10	1.00E-08
387	436914.96	3724571.32	7.90E-08	2.05E-09	8.10E-08	1.63E-08	4.61E-10	1.67E-08	8.46E-08	2.18E-09	8.68E-08	9.68E-09	2.33E-10	9.92E-09
388	436850.65	3725860.54	1.16E-07	4.57E-09	1.21E-07	2.42E-08	1.16E-09	2.54E-08	1.25E-07	5.48E-09	1.30E-07	1.48E-08	6.12E-10	1.54E-08
389	436856.97	3725867.58	1.17E-07	4.64E-09	1.22E-07	2.45E-08	1.17E-09	2.57E-08	1.26E-07	5.56E-09	1.32E-07	1.50E-08	6.21E-10	1.56E-08
390	436863.29	3725874.62	1.19E-07	4.71E-09	1.24E-07	2.49E-08	1.19E-09	2.61E-08	1.28E-07	5.66E-09	1.34E-07	1.52E-08	6.32E-10	1.58E-08
391	436817.75	3725878.39	1.09E-07	4.22E-09	1.13E-07	2.26E-08	1.06E-09	2.37E-08	1.17E-07	5.04E-09	1.22E-07	1.38E-08	5.63E-10	1.44E-08
392	436814.62	3725869.52	1.08E-07	4.19E-09	1.12E-07	2.25E-08	1.06E-09	2.36E-08	1.16E-07	5.01E-09	1.21E-07	1.37E-08	5.59E-10	1.43E-08
393	436811.48	3725860.65	1.07E-07	4.17E-09	1.12E-07	2.24E-08	1.05E-09	2.35E-08	1.15E-07	4.98E-09	1.20E-07	1.37E-08	5.55E-10	1.42E-08
394	436808.35	3725851.78	1.07E-07	4.14E-09	1.11E-07	2.23E-08	1.04E-09	2.33E-08	1.15E-07	4.95E-09	1.20E-07	1.36E-08	5.52E-10	1.41E-08
395	436805.22	3725842.91	1.06E-07	4.12E-09	1.10E-07	2.22E-08	1.04E-09	2.32E-08	1.14E-07	4.91E-09	1.19E-07	1.35E-08	5.48E-10	1.41E-08
396	436802.09	3725834.04	1.06E-07	4.09E-09	1.10E-07	2.21E-08	1.03E-09	2.31E-08	1.14E-07	4.88E-09	1.18E-07	1.35E-08	5.45E-10	1.40E-08
397	436798.96	3725825.17	1.05E-07	4.07E-09	1.09E-07	2.20E-08	1.03E-09	2.30E-08	1.13E-07	4.86E-09	1.18E-07	1.34E-08	5.42E-10	1.39E-08
398	436795.82	3725816.31	1.05E-07	4.05E-09	1.09E-07	2.19E-08	1.02E-09	2.29E-08	1.13E-07	4.84E-09	1.18E-07	1.33E-08	5.39E-10	1.39E-08
399	436792.69	3725807.44	1.05E-07	4.04E-09	1.09E-07	2.18E-08	1.02E-09	2.28E-08	1.12E-07	4.81E-09	1.17E-07	1.33E-08	5.37E-10	1.38E-08
400	436789.56	3725798.57	1.04E-07	4.02E-09	1.08E-07	2.18E-08	1.01E-09	2.28E-08	1.12E-07	4.79E-09	1.17E-07	1.33E-08	5.34E-10	1.38E-08
401	436786.43	3725789.7	1.04E-07	4.00E-09	1.08E-07	2.17E-08	1.01E-09	2.27E-08	1.12E-07	4.77E-09	1.16E-07	1.32E-08	5.32E-10	1.37E-08
402	436783.3	3725780.83	1.04E-07	3.99E-09	1.08E-07	2.16E-08	1.00E-09	2.26E-08	1.11E-07	4.76E-09	1.16E-07	1.32E-08	5.30E-10	1.37E-08
403	436657.51	3725025.64	8.08E-08	2.84E-09	8.36E-08	1.68E-08	7.00E-10	1.75E-08	8.67E-08	3.31E-09	9.00E-08	1.02E-08	3.66E-10	1.05E-08
404	436661.55	3725017.15	8.16E-08	2.86E-09	8.44E-08	1.69E-08	7.03E-10	1.76E-08	8.75E-08	3.33E-09	9.08E-08	1.02E-08	3.68E-10	1.06E-08
405	436665.6	3725008.66	8.24E-08	2.88E-09	8.53E-08	1.71E-08	7.08E-10	1.78E-08	8.84E-08	3.35E-09	9.17E-08	1.03E-08	3.71E-10	1.07E-08
406	436669.64	3725000.17	8.32E-08	2.90E-09	8.61E-08	1.73E-08	7.12E-10	1.80E-08	8.93E-08	3.37E-09	9.27E-08	1.04E-08	3.73E-10	1.08E-08
407	436673.69	3724991.67	8.39E-08	2.92E-09	8.68E-08	1.74E-08	7.15E-10	1.81E-08	9.00E-08	3.39E-09	9.34E-08	1.05E-08	3.74E-10	1.09E-08
408	436677.74	3724983.18	8.45E-08	2.92E-09	8.74E-08	1.75E-08	7.17E-10	1.83E-08	9.07E-08	3.39E-09	9.40E-08	1.06E-08	3.75E-10	1.10E-08
409	436681.78	3724974.69	8.51E-08	2.93E-09	8.80E-08	1.77E-08	7.18E-10	1.84E-08	9.13E-08	3.40E-09	9.47E-08	1.07E-08	3.76E-10	1.10E-08
410	436685.83	3724966.2	8.57E-08	2.94E-09	8.86E-08	1.78E-08	7.20E-10	1.85E-08	9.19E-08	3.41E-09	9.53E-08	1.07E-08	3.76E-10	1.11E-08
411	436689.88	3724957.71	8.62E-08	2.95E-09	8.91E-08	1.79E-08	7.21E-10	1.86E-08	9.25E-08	3.41E-09	9.59E-08	1.08E-08	3.77E-10	1.12E-08
412	436693.92	3724949.22	8.66E-08	2.95E-09	8.95E-08	1.80E-08	7.20E-10	1.87E-08	9.29E-08	3.41E-09	9.63E-08	1.09E-08	3.76E-10	1.12E-08
413	436697.97	3724940.73	8.70E-08	2.95E-09	8.99E-08	1.81E-08	7.20E-10	1.88E-08	9.33E-08	3.41E-09	9.67E-08	1.09E-08	3.76E-10	1.13E-08
414	436702.02	3724932.24	8.74E-08	2.95E-09	9.04E-08	1.81E-08	7.19E-10	1.89E-08	9.38E-08	3.41E-09	9.72E-08	1.09E-08	3.75E-10	1.13E-08
415	436706.06	3724923.75	8.79E-08	2.96E-09	9.09E-08	1.82E-08	7.19E-10	1.90E-08	9.43E-08	3.41E-09	9.78E-08	1.10E-08	3.75E-10	1.14E-08
416	436710.11	3724915.25	8.85E-08	2.96E-09	9.14E-08	1.84E-08	7.20E-10	1.91E-08	9.49E-08	3.41E-09	9.83E-08	1.11E-08	3.75E-10	1.14E-08
417	436714.15	3724906.76	8.90E-08	2.96E-09	9.20E-08	1.85E-08	7.20E-10	1.92E-08	9.55E-08	3.41E-09	9.89E-08	1.11E-08	3.75E-10	1.15E-08
418	436718.2	3724898.27	8.95E-08	2.97E-09	9.25E-08	1.86E-08	7.19E-10	1.93E-08	9.60E-08	3.40E-09	9.94E-08	1.12E-08	3.75E-10	1.16E-08
419	436722.25	3724889.78	8.99E-08	2.97E-09	9.28E-08	1.86E-08	7.18E-10	1.94E-08	9.64E-08	3.40E-09	9.98E-08	1.12E-08	3.74E-10	1.16E-08
420	436726.29	3724881.29	9.01E-08	2.96E-09	9.30E-08	1.87E-08	7.15E-10	1.94E-08	9.66E-08	3.38E-09	1.00E-07	1.13E-08	3.72E-10	1.16E-08
421	436730.34	3724872.8	9.02E-08	2.95E-09	9.32E-08	1.87E-08	7.12E-10	1.94E-08	9.68E-08	3.37E-09	1.00E-07	1.13E-08	3.70E-10	1.16E-08
422	436734.39	3724864.31	9.03E-08	2.93E-09	9.33E-08	1.87E-08	7.08E-10	1.94E-08	9.69E-08	3.35E-09	1.00E-07	1.13E-08	3.68E-10	1.17E-08
423	436738.43	3724855.82	9.05E-08	2.92E-09	9.34E-08	1.88E-08	7.04E-10	1.95E-08	9.71E-08	3.33E-09	1.00E-07	1.13E-08	3.66E-10	1.17E-08
424	436742.48	3724847.33	9.06E-08	2.91E-09	9.35E-08	1.88E-08	6.99E-10	1.95E-08	9.72E-08	3.31E-09	1.00E-07	1.13E-08	3.63E-10	1.17E-08
425	436746.53	3724838.83	9.06E-08	2.89E-09	9.35E-08	1.88E-08	6.95E-10	1.95E-08	9.72E-08	3.29E-09	1.01E-07	1.13E-08	3.61E-10	1.17E-08
426	436750.57	3724830.34	9.06E-08	2.88E-09	9.35E-08	1.88E-08	6.90E-10	1.95E-08	9.72E-08	3.27E-09	1.01E-07	1.13E-08	3.58E-10	1.17E-08
427	436754.62	3724821.85	9.06E-08	2.86E-09	9.35E-08	1.88E-08	6.85E-10	1.95E-08	9.72E-08	3.24E-09	1.00E-07	1.13E-08	3.55E-10	1.17E-08
428	436758.66	3724813.36	9.05E-08	2.84E-09	9.34E-08	1.88E-08	6.80E-10	1.94E-08	9.71E-08	3.22E-09	1.00E-07	1.13E-08	3.52E-10	1.16E-08
429	436762.71	3724804.87	9.05E-08	2.82E-09	9.33E-08	1.87E-08	6.74E-10	1.94E-08	9.70E-08	3.19E-09	1.00E-07	1.13E-08	3.49E-10	1.16E-08
430	436766.76	3724796.38	9.04E-08	2.81E-09	9.32E-08	1.87E-08	6.69E-10	1.94E-08	9.69E-08	3.16E-09	1.00E-07	1.13E-08	3.46E-10	1.16E-08
431	436770.8	3724787.89	9.02E-08	2.78E-09	9.30E-08	1.87E-08	6.63E-10	1.93E-08	9.68E-08	3.14E-09	9.99E-08	1.12E-08	3.43E-10	1.16E-08
432	436774.85	3724779.4	9.00E-08	2.76E-09	9.28E-08	1.86E-08	6.57E-10	1.93E-08	9.66E-08	3.11E-09	9.97E-08	1.12E-08	3.39E-10	1.15E-08
433	436778.9	3724770.91	8.98E-08	2.74E-09	9.26E-08	1.86E-08	6.50E-10	1.92E-08	9.63E-08	3.08E-09	9.94E-08	1.12E-08	3.36E-10	1.15E-08
434	436782.94	3724762.41	8.96E-08	2.72E-09	9.23E-08	1.85E-08	6.44E-10	1.92E-08	9.61E-08	3.05E-09	9.92E-08	1.11E-08	3.33E-10	1.15E-08
435	436786.99	3724753.92	8.93E-08	2.70E-09	9.20E-08	1.85E-08	6.37E-10	1.91E-08	9.58E-08	3.02E-09	9.88E-08	1.11E-08	3.29E-10	1.14E-08
436	436791.04	3724745.43	8.90E-08	2.67E-09	9.17E-08	1.84E-08	6.30E-10	1.90E-08	9.55E-08	2.98E-09	9.85E-08	1.11E-08	3.25E-10	1.14E-08
437	436795.08	3724736.94	8.87E-08	2.65E-09	9.14E-08	1.84E-08	6.24E-10	1.90E-08	9.52E-08	2.95E-09	9.81E-08	1.10E-08	3.21E-10	1.13E-08
438	436799.13	3724728.45	8.84E-08	2.62E-09	9.10E-08	1.83E-08	6.16E-10	1.89E-08	9.48E-08	2.92E-09	9.77E-08	1.10E-08	3.17E-10	1.13E-08
439	436803.17	3724719.96	8.80E-08	2.59E-09	9.06E-08	1.82E-08	6.09E-10	1.88E-08	9.44E-08	2.88E-09	9.73E-08	1.09E-08	3.13E-10	1.12E-08
440	436807.22	3724711.47	8.76E-08	2.57E-09	9.01E-08	1.81E-08	6.01E-10	1.87E-08	9.39E-08	2.84E-09	9.68E-08	1.09E-08	3.09E-10	1.12E-08
441	436811.27	3724702.98	8.71E-08	2.54E-09	8.97E-08	1.80E-08	5.94E-10	1.86E-08	9.35E-08	2.81E-09	9.63E-08	1.08E-08	3.05E-10	1.11E-08
442	436815.31	3724694.48	8.67E-08	2.51E-09	8.92E-08	1.79E-08	5.86E-10	1.85E-08	9.30E-08	2.77E-09	9.58E-08	1.07E-08	3.01E-10	1.10E-08
443	436819.36	3724685.99	8.62E-08	2.48E-09	8.87E-08	1.78E-08	5.79E-10	1.84E-08	9.25E-08	2.74E-09	9.52E-08	1.07E-08	2.97E-10	1.10E-08
444	436823.41	3724677.5	8.57E-08	2.45E-09	8.82E-08	1.77E-08	5.71E-10	1.83E-08	9.19E-08	2.70E-09	9.46E-08	1.06E-08	2.93E-10	1.09E-08
445	436827.45	3724669.01	8.52E-08	2.43E-09	8.76E-08	1.76E-08	5.63E-10	1.82E-08	9.14E-08	2.66E-09	9.40E-08	1.05E-08	2.88E-10	1.08E-08
446	436831.5	3724660.52	8.46E-08	2.40E-09	8.70E-08	1.75E-08	5.55E-10	1.80E-08	9.08E-08	2.63E-09	9.34E-08	1.05E-08	2.84E-10	1.07E-08
447	436835.55	3724652.03	8.40E-08	2.37E-09	8.64E-08	1.73E-08	5.47E-10	1.79E-08	9.01E-08	2.59E-09	9.27E-08	1.04E-08	2.80E-10	1.07E-08
448	436839.59	3724643.54	8.34E-08	2.34E-09	8.58E-08	1.72E-08	5.39E-10	1.78E-08	8.95E-08	2.55E-09	9.20E-08	1.03E-08	2.75E-10	1.06E-08
449	436843.64	3724635.05	8.28E-08	2.30E-09	8.51E-08	1.71E-08	5.31E-10	1.76E-08	8.88E-08	2.51E-09	9.13E-08	1.02E-08	2.71E-10	1.05E-08
450	436847.68	3724626.56	8.21E-08	2.27E-09	8.44E-08	1.69E-08	5.22E-10	1.75E-08	8.81E-08	2.47E-09	9.05E-08	1.01E-08	2.66E-10	1.04E-08
451	436851.73	3724618.06	8.15E-08	2.24E-09	8.37E-08	1.68E-08	5.14E-10	1.73E-08	8.73E-08	2.43E-09	8.98E-08	1.00E-08	2.62E-10	1.03E-08
452	436855.78	3724609.57	8.07E-08	2.21E-09	8.29E-08	1.67E-08	5.06E-10	1.72E-08	8.66E-08	2.39E-09	8.90E-08	9.94E-09	2.58E-10	1.02E-08
453	436859.82	3724601.08	8.00E-08	2.18E-09	8.22E-08	1.65E-08	4.98E-10	1.70E-08	8.58E-08	2.35E-09	8.81E-08	9.85E-09	2.53E-10	1.01E-08
454	436863.87	3724592.59	7.93E-08	2.15E-09	8.14E-08	1.63E-08	4.90E-10	1.68E-08	8.50E-08	2.31E-09	8.73E-08	9.75E-09	2.49E-10	1.00E-08
455	436867.92	3724584.1	7.86E-08	2.12E-09	8.07E-08	1.62E-08	4.82E-10	1.67E-08	8.42E-08	2.28E-09	8.65E-08	9.66E-09	2.45E-10	9.90E-09
456	436871.96	3724575.61	7.78E-08	2.09E-09	7.99E-08	1.60E-08	4.74E-10	1.65E-08	8.34E-08	2.24E-09	8.57E-08	9.56E-09	2.41E-10	9.80E-09
457	436876.01	3724567.12	7.71E-08	2.06E-09	7.92E-08	1.59E-08	4.66E-10	1.64E-08	8.27E-08	2.20E-09	8.49E-08	9.47E-09	2.36E-10	9.71E-09
458	436880.05	3724558.63	7.63E-08	2.03E-09	7.83E-08	1.57E-08	4.59E-10	1.62E-08	8.18E-08	2.17E-09	8.40E-08	9.36E-09	2.33E-10	9.60E-09

459	436884.1	3724550.14	7.54E-08	2.00E-09	7.74E-08	1.55E-08	4.51E-10	1.60E-08	8.09E-08	2.13E-09	8.30E-08	9.25E-09	2.28E-10	9.48E-09
460	436888.15	3724541.64	7.45E-08	1.96E-09	7.65E-08	1.53E-08	4.42E-10	1.58E-08	7.99E-08	2.09E-09	8.20E-08	9.13E-09	2.24E-10	9.36E-09
461	436820.88	3725887.26	1.09E-07	4.25E-09	1.13E-07	2.28E-08	1.07E-09	2.38E-08	1.17E-07	5.08E-09	1.22E-07	1.39E-08	5.67E-10	1.44E-08
462	436827.2	3725894.3	1.10E-07	4.31E-09	1.15E-07	2.30E-08	1.09E-09	2.41E-08	1.19E-07	5.15E-09	1.24E-07	1.41E-08	5.75E-10	1.46E-08
463	436833.52	3725901.34	1.12E-07	4.37E-09	1.16E-07	2.33E-08	1.10E-09	2.44E-08	1.20E-07	5.23E-09	1.25E-07	1.42E-08	5.84E-10	1.48E-08
464	436787.97	3725905.08	1.02E-07	3.94E-09	1.06E-07	2.14E-08	9.92E-10	2.24E-08	1.10E-07	4.70E-09	1.15E-07	1.30E-08	5.24E-10	1.35E-08
465	436784.83	3725896.19	1.02E-07	3.92E-09	1.06E-07	2.13E-08	9.86E-10	2.22E-08	1.09E-07	4.67E-09	1.14E-07	1.29E-08	5.20E-10	1.35E-08
466	436781.69	3725887.29	1.01E-07	3.90E-09	1.05E-07	2.11E-08	9.80E-10	2.21E-08	1.09E-07	4.64E-09	1.14E-07	1.29E-08	5.17E-10	1.34E-08
467	436778.55	3725878.39	1.01E-07	3.87E-09	1.05E-07	2.10E-08	9.74E-10	2.20E-08	1.08E-07	4.61E-09	1.13E-07	1.28E-08	5.14E-10	1.33E-08
468	436775.41	3725869.5	1.00E-07	3.85E-09	1.04E-07	2.10E-08	9.69E-10	2.19E-08	1.08E-07	4.59E-09	1.12E-07	1.28E-08	5.11E-10	1.33E-08
469	436772.27	3725860.6	1.00E-07	3.83E-09	1.04E-07	2.09E-08	9.63E-10	2.18E-08	1.07E-07	4.56E-09	1.12E-07	1.27E-08	5.09E-10	1.32E-08
470	436769.12	3725851.7	9.95E-08	3.81E-09	1.03E-07	2.07E-08	9.57E-10	2.17E-08	1.07E-07	4.53E-09	1.11E-07	1.26E-08	5.05E-10	1.31E-08
471	436765.98	3725842.81	9.90E-08	3.78E-09	1.03E-07	2.06E-08	9.50E-10	2.16E-08	1.06E-07	4.50E-09	1.11E-07	1.26E-08	5.02E-10	1.31E-08
472	436762.84	3725833.91	9.84E-08	3.76E-09	1.02E-07	2.05E-08	9.44E-10	2.15E-08	1.06E-07	4.47E-09	1.10E-07	1.25E-08	4.98E-10	1.30E-08
473	436759.7	3725825.01	9.80E-08	3.74E-09	1.02E-07	2.04E-08	9.40E-10	2.14E-08	1.05E-07	4.45E-09	1.10E-07	1.24E-08	4.96E-10	1.29E-08
474	436756.56	3725816.12	9.77E-08	3.72E-09	1.01E-07	2.04E-08	9.35E-10	2.13E-08	1.05E-07	4.43E-09	1.09E-07	1.24E-08	4.94E-10	1.29E-08
475	436753.41	3725807.22	9.73E-08	3.71E-09	1.01E-07	2.03E-08	9.31E-10	2.12E-08	1.05E-07	4.41E-09	1.09E-07	1.24E-08	4.91E-10	1.28E-08
476	436750.27	3725798.32	9.71E-08	3.70E-09	1.01E-07	2.02E-08	9.28E-10	2.12E-08	1.04E-07	4.39E-09	1.09E-07	1.23E-08	4.89E-10	1.28E-08
477	436747.13	3725789.43	9.68E-08	3.68E-09	1.01E-07	2.02E-08	9.25E-10	2.11E-08	1.04E-07	4.38E-09	1.08E-07	1.23E-08	4.88E-10	1.28E-08
478	436650.28	3724954.87	8.01E-08	2.75E-09	8.28E-08	1.66E-08	6.72E-10	1.73E-08	8.59E-08	3.18E-09	8.91E-08	1.00E-08	3.51E-10	1.04E-08
479	436654.34	3724946.36	8.05E-08	2.75E-09	8.33E-08	1.67E-08	6.73E-10	1.74E-08	8.64E-08	3.19E-09	8.96E-08	1.01E-08	3.52E-10	1.04E-08
480	436658.4	3724937.84	8.08E-08	2.76E-09	8.36E-08	1.68E-08	6.73E-10	1.74E-08	8.67E-08	3.18E-09	8.99E-08	1.01E-08	3.51E-10	1.05E-08
481	436662.46	3724929.32	8.12E-08	2.76E-09	8.40E-08	1.68E-08	6.72E-10	1.75E-08	8.71E-08	3.18E-09	9.03E-08	1.02E-08	3.51E-10	1.05E-08
482	436666.52	3724920.8	8.16E-08	2.76E-09	8.44E-08	1.69E-08	6.72E-10	1.76E-08	8.76E-08	3.18E-09	9.08E-08	1.02E-08	3.51E-10	1.06E-08
483	436670.58	3724912.29	8.20E-08	2.76E-09	8.48E-08	1.70E-08	6.72E-10	1.77E-08	8.80E-08	3.18E-09	9.12E-08	1.03E-08	3.50E-10	1.06E-08
484	436674.63	3724903.77	8.23E-08	2.76E-09	8.51E-08	1.71E-08	6.71E-10	1.77E-08	8.83E-08	3.18E-09	9.15E-08	1.03E-08	3.50E-10	1.07E-08
485	436678.69	3724895.25	8.27E-08	2.76E-09	8.54E-08	1.71E-08	6.70E-10	1.78E-08	8.87E-08	3.17E-09	9.19E-08	1.03E-08	3.49E-10	1.07E-08
486	436682.75	3724886.73	8.29E-08	2.76E-09	8.57E-08	1.72E-08	6.69E-10	1.79E-08	8.90E-08	3.17E-09	9.21E-08	1.04E-08	3.49E-10	1.07E-08
487	436686.81	3724878.22	8.32E-08	2.76E-09	8.60E-08	1.73E-08	6.68E-10	1.79E-08	8.93E-08	3.16E-09	9.24E-08	1.04E-08	3.48E-10	1.07E-08
488	436690.87	3724869.7	8.34E-08	2.75E-09	8.62E-08	1.73E-08	6.66E-10	1.80E-08	8.95E-08	3.15E-09	9.27E-08	1.04E-08	3.47E-10	1.08E-08
489	436694.93	3724861.18	8.38E-08	2.75E-09	8.65E-08	1.74E-08	6.64E-10	1.80E-08	8.99E-08	3.14E-09	9.30E-08	1.05E-08	3.46E-10	1.08E-08
490	436698.99	3724852.66	8.41E-08	2.75E-09	8.68E-08	1.74E-08	6.63E-10	1.81E-08	9.02E-08	3.14E-09	9.33E-08	1.05E-08	3.45E-10	1.08E-08
491	436703.05	3724844.15	8.44E-08	2.74E-09	8.71E-08	1.75E-08	6.62E-10	1.81E-08	9.05E-08	3.13E-09	9.37E-08	1.05E-08	3.44E-10	1.09E-08
492	436707.11	3724835.63	8.48E-08	2.74E-09	8.75E-08	1.76E-08	6.60E-10	1.82E-08	9.09E-08	3.12E-09	9.41E-08	1.06E-08	3.43E-10	1.09E-08
493	436711.16	3724827.11	8.50E-08	2.74E-09	8.78E-08	1.76E-08	6.59E-10	1.83E-08	9.12E-08	3.12E-09	9.43E-08	1.06E-08	3.42E-10	1.09E-08
494	436715.22	3724818.6	8.53E-08	2.73E-09	8.80E-08	1.77E-08	6.56E-10	1.83E-08	9.15E-08	3.11E-09	9.46E-08	1.06E-08	3.41E-10	1.10E-08
495	436719.28	3724810.08	8.56E-08	2.73E-09	8.83E-08	1.77E-08	6.55E-10	1.84E-08	9.18E-08	3.10E-09	9.49E-08	1.07E-08	3.40E-10	1.10E-08
496	436723.34	3724801.56	8.57E-08	2.72E-09	8.84E-08	1.77E-08	6.50E-10	1.84E-08	9.19E-08	3.08E-09	9.50E-08	1.07E-08	3.37E-10	1.10E-08
497	436727.4	3724793.04	8.56E-08	2.70E-09	8.83E-08	1.77E-08	6.46E-10	1.84E-08	9.19E-08	3.06E-09	9.49E-08	1.07E-08	3.35E-10	1.10E-08
498	436731.46	3724784.53	8.56E-08	2.68E-09	8.82E-08	1.77E-08	6.41E-10	1.84E-08	9.18E-08	3.03E-09	9.48E-08	1.07E-08	3.32E-10	1.10E-08
499	436735.52	3724776.01	8.55E-08	2.67E-09	8.82E-08	1.77E-08	6.36E-10	1.83E-08	9.17E-08	3.01E-09	9.47E-08	1.06E-08	3.29E-10	1.10E-08
500	436739.58	3724767.49	8.54E-08	2.65E-09	8.80E-08	1.77E-08	6.31E-10	1.83E-08	9.16E-08	2.98E-09	9.45E-08	1.06E-08	3.26E-10	1.09E-08
501	436743.63	3724758.97	8.52E-08	2.63E-09	8.79E-08	1.76E-08	6.25E-10	1.83E-08	9.14E-08	2.96E-09	9.44E-08	1.06E-08	3.23E-10	1.09E-08
502	436747.69	3724750.46	8.51E-08	2.61E-09	8.77E-08	1.76E-08	6.20E-10	1.82E-08	9.12E-08	2.93E-09	9.42E-08	1.06E-08	3.20E-10	1.09E-08
503	436751.75	3724741.94	8.49E-08	2.59E-09	8.75E-08	1.76E-08	6.14E-10	1.82E-08	9.11E-08	2.91E-09	9.40E-08	1.05E-08	3.17E-10	1.09E-08
504	436755.81	3724733.42	8.46E-08	2.57E-09	8.72E-08	1.75E-08	6.08E-10	1.81E-08	9.08E-08	2.88E-09	9.37E-08	1.05E-08	3.14E-10	1.08E-08
505	436759.87	3724724.9	8.44E-08	2.55E-09	8.69E-08	1.74E-08	6.02E-10	1.81E-08	9.05E-08	2.85E-09	9.33E-08	1.05E-08	3.11E-10	1.08E-08
506	436763.93	3724716.39	8.41E-08	2.53E-09	8.66E-08	1.74E-08	5.96E-10	1.80E-08	9.02E-08	2.82E-09	9.30E-08	1.04E-08	3.07E-10	1.07E-08
507	436767.99	3724707.87	8.37E-08	2.50E-09	8.62E-08	1.73E-08	5.89E-10	1.79E-08	8.98E-08	2.79E-09	9.26E-08	1.04E-08	3.04E-10	1.07E-08
508	436772.05	3724699.35	8.34E-08	2.48E-09	8.59E-08	1.72E-08	5.83E-10	1.78E-08	8.95E-08	2.76E-09	9.22E-08	1.03E-08	3.00E-10	1.06E-08
509	436776.11	3724690.84	8.30E-08	2.45E-09	8.55E-08	1.72E-08	5.76E-10	1.77E-08	8.91E-08	2.73E-09	9.18E-08	1.03E-08	2.97E-10	1.06E-08
510	436780.16	3724682.32	8.27E-08	2.43E-09	8.51E-08	1.71E-08	5.70E-10	1.77E-08	8.86E-08	2.69E-09	9.13E-08	1.02E-08	2.93E-10	1.05E-08
511	436784.22	3724673.8	8.23E-08	2.41E-09	8.47E-08	1.70E-08	5.63E-10	1.76E-08	8.82E-08	2.66E-09	9.09E-08	1.02E-08	2.89E-10	1.05E-08
512	436788.28	3724665.28	8.18E-08	2.38E-09	8.42E-08	1.69E-08	5.56E-10	1.75E-08	8.78E-08	2.63E-09	9.04E-08	1.01E-08	2.86E-10	1.04E-08
513	436792.34	3724656.77	8.14E-08	2.36E-09	8.38E-08	1.68E-08	5.49E-10	1.74E-08	8.73E-08	2.60E-09	8.99E-08	1.01E-08	2.82E-10	1.04E-08
514	436796.4	3724648.25	8.10E-08	2.33E-09	8.33E-08	1.67E-08	5.42E-10	1.73E-08	8.68E-08	2.56E-09	8.94E-08	1.00E-08	2.78E-10	1.03E-08
515	436800.46	3724639.73	8.04E-08	2.30E-09	8.27E-08	1.66E-08	5.35E-10	1.71E-08	8.63E-08	2.53E-09	8.88E-08	9.94E-09	2.74E-10	1.02E-08
516	436804.52	3724631.21	7.99E-08	2.28E-09	8.22E-08	1.65E-08	5.28E-10	1.70E-08	8.57E-08	2.50E-09	8.82E-08	9.87E-09	2.70E-10	1.01E-08
517	436808.58	3724622.7	7.94E-08	2.25E-09	8.16E-08	1.64E-08	5.20E-10	1.69E-08	8.51E-08	2.46E-09	8.76E-08	9.80E-09	2.66E-10	1.01E-08
518	436812.64	3724614.18	7.88E-08	2.22E-09	8.10E-08	1.63E-08	5.13E-10	1.68E-08	8.45E-08	2.42E-09	8.69E-08	9.72E-09	2.62E-10	9.98E-09
519	436816.69	3724605.66	7.82E-08	2.19E-09	8.04E-08	1.61E-08	5.05E-10	1.66E-08	8.38E-08	2.39E-09	8.62E-08	9.64E-09	2.58E-10	9.90E-09
520	436820.75	3724597.14	7.76E-08	2.16E-09	7.98E-08	1.60E-08	4.98E-10	1.65E-08	8.32E-08	2.35E-09	8.55E-08	9.56E-09	2.54E-10	9.82E-09
521	436824.81	3724588.63	7.69E-08	2.13E-09	7.91E-08	1.59E-08	4.90E-10	1.64E-08	8.25E-08	2.32E-09	8.48E-08	9.48E-09	2.50E-10	9.73E-09
522	436828.87	3724580.11	7.63E-08	2.10E-09	7.84E-08	1.57E-08	4.82E-10	1.62E-08	8.18E-08	2.28E-09	8.41E-08	9.39E-09	2.46E-10	9.64E-09
523	436832.93	3724571.59	7.56E-08	2.08E-09	7.77E-08	1.56E-08	4.75E-10	1.61E-08	8.11E-08	2.25E-09	8.33E-08	9.31E-09	2.42E-10	9.55E-09
524	436836.99	3724563.07	7.51E-08	2.05E-09	7.71E-08	1.55E-08	4.68E-10	1.59E-08	8.05E-08	2.21E-09	8.27E-08	9.23E-09	2.38E-10	9.47E-09
525	436841.05	3724554.56	7.43E-08	2.02E-09	7.64E-08	1.53E-08	4.61E-10	1.58E-08	7.97E-08	2.18E-09	8.19E-08	9.13E-09	2.34E-10	9.37E-09
526	436845.11	3724546.04	7.36E-08	2.00E-09	7.56E-08	1.52E-08	4.54E-10	1.56E-08	7.89E-08	2.15E-09	8.10E-08	9.04E-09	2.31E-10	9.27E-09
527	436849.16	3724537.52	7.25E-08	1.95E-09	7.45E-08	1.49E-08	4.44E-10	1.54E-08	7.77E-08	2.10E-09	7.98E-08	8.90E-09	2.25E-10	9.12E-09
528	436853.22	3724529.01	7.15E-08	1.92E-09	7.34E-08	1.47E-08	4.35E-10	1.52E-08	7.66E-08	2.05E-09	7.87E-08	8.76E-09	2.21E-10	8.98E-09
529	436857.28	3724520.49	7.05E-08	1.88E-09	7.24E-08	1.45E-08	4.26E-10	1.49E-08	7.55E-08	2.01E-09	7.75E-08	8.64E-09	2.16E-10	8.85E-09
530	436861.34	3724511.97	6.98E-08	1.86E-09	7.17E-08	1.44E-08	4.19E-10	1.48E-08	7.49E-08	1.98E-09	7.68E-08	8.56E-09	2.12E-10	8.77E-09
531	436791.12	3725913.98	1.03E-07	3.97E-09	1.07E-07	2.15E-08	9.99E-10	2.25E-08	1.11E-07	4.73E-09	1.15E-07	1.31E-08	5.28E-10	1.36E-08
532	436797.44	3725921.02	1.04E-07	4.03E-09	1.08E-07	2.17E-08	1.01E-09	2.28E-08	1.12E-07	4.80E-09	1.17E-07	1.32E-08	5.35E-10	1.38E-08
533	436803.76	3725928.06	1.05E-07	4.08E-09	1.09E-07	2.20E-08	1.03E-09	2.30E-08	1.13E-07	4.87E-09	1.18E-07	1.34E-08	5.43E-10	1.39E-08
534	437276.64	3725541.49	9.63E-07	6.45E-08	1.03E-06	2.08E-07	1.79E-08	2.26E-07	1.04E-06	8.49E-08	1.12E-06	1.34E-07	9.75E-09	1.44E-07
535	437288.46	3725554.53	1.04E-06	7.15E-08	1.11E-06	2.24E-07	1.99E-08	2.44E-07	1.12E-06	9.43E-08	1.21E-06	1.45E-07	1.08E-08	1.56E-07

536	437300.27	3725567.56	1.13E-06	7.98E-08	1.21E-06	2.44E-07	2.22E-08	2.66E-07	1.22E-06	1.06E-07	1.32E-06	1.58E-07	1.22E-08	1.71E-07
537	437242.6	3725548.61	7.07E-07	4.31E-08	7.50E-07	1.52E-07	1.18E-08	1.64E-07	7.62E-07	5.61E-08	8.18E-07	9.68E-08	6.42E-09	1.03E-07
538	437254.42	3725561.64	7.63E-07	4.79E-08	8.11E-07	1.64E-07	1.32E-08	1.77E-07	8.23E-07	6.25E-08	8.86E-07	1.05E-07	7.17E-09	1.12E-07
539	437244	3725594.82	6.56E-07	3.98E-08	6.96E-07	1.41E-07	1.09E-08	1.52E-07	7.08E-07	5.16E-08	7.60E-07	8.97E-08	5.91E-09	9.56E-08
540	437255.81	3725607.85	7.04E-07	4.37E-08	7.48E-07	1.51E-07	1.20E-08	1.63E-07	7.60E-07	5.69E-08	8.16E-07	9.65E-08	6.52E-09	1.03E-07
541	437198.15	3725588.9	4.85E-07	2.68E-08	5.12E-07	1.03E-07	7.23E-09	1.11E-07	5.23E-07	3.43E-08	5.57E-07	6.53E-08	3.91E-09	6.92E-08
542	437209.96	3725601.93	5.14E-07	2.90E-08	5.43E-07	1.10E-07	7.85E-09	1.17E-07	5.54E-07	3.72E-08	5.91E-07	6.93E-08	4.25E-09	7.36E-08
543	437221.77	3725614.97	5.45E-07	3.14E-08	5.77E-07	1.16E-07	8.53E-09	1.25E-07	5.88E-07	4.05E-08	6.28E-07	7.38E-08	4.62E-09	7.84E-08
544	437233.58	3725628	5.80E-07	3.41E-08	6.14E-07	1.24E-07	9.29E-09	1.33E-07	6.25E-07	4.41E-08	6.70E-07	7.88E-08	5.04E-09	8.38E-08
545	437175.92	3725609.05	4.09E-07	2.16E-08	4.31E-07	8.70E-08	5.80E-09	9.28E-08	4.41E-07	2.75E-08	4.68E-07	5.47E-08	3.13E-09	5.78E-08
546	437199.54	3725635.11	4.58E-07	2.51E-08	4.83E-07	9.75E-08	6.78E-09	1.04E-07	4.93E-07	3.22E-08	5.25E-07	6.15E-08	3.67E-09	6.51E-08
547	437153.69	3725629.2	3.50E-07	1.78E-08	3.68E-07	7.43E-08	4.74E-09	7.90E-08	3.77E-07	2.25E-08	4.00E-07	4.65E-08	2.56E-09	4.91E-08
548	437165.5	3725642.23	3.70E-07	1.91E-08	3.89E-07	7.85E-08	5.11E-09	8.36E-08	3.98E-07	2.42E-08	4.22E-07	4.92E-08	2.75E-09	5.19E-08
549	437131.46	3725649.34	3.08E-07	1.51E-08	3.23E-07	6.51E-08	4.01E-09	6.91E-08	3.31E-07	1.90E-08	3.50E-07	4.06E-08	2.15E-09	4.28E-08
550	437143.28	3725662.38	3.22E-07	1.61E-08	3.38E-07	6.82E-08	4.27E-09	7.25E-08	3.47E-07	2.03E-08	3.67E-07	4.26E-08	2.30E-09	4.49E-08
551	437155.09	3725675.41	3.38E-07	1.71E-08	3.55E-07	7.16E-08	4.56E-09	7.61E-08	3.64E-07	2.16E-08	3.85E-07	4.48E-08	2.45E-09	4.72E-08
552	437166.9	3725688.44	3.55E-07	1.82E-08	3.73E-07	7.52E-08	4.87E-09	8.00E-08	3.82E-07	2.31E-08	4.05E-07	4.71E-08	2.62E-09	4.97E-08
553	437079.6	3725696.35	2.32E-07	1.06E-08	2.42E-07	4.88E-08	2.78E-09	5.16E-08	2.49E-07	1.32E-08	2.62E-07	3.02E-08	1.49E-09	3.17E-08
554	437091.41	3725709.39	2.40E-07	1.12E-08	2.52E-07	5.07E-08	2.92E-09	5.36E-08	2.59E-07	1.39E-08	2.72E-07	3.14E-08	1.57E-09	3.30E-08
555	437103.22	3725722.42	2.50E-07	1.17E-08	2.61E-07	5.26E-08	3.08E-09	5.57E-08	2.69E-07	1.46E-08	2.83E-07	3.27E-08	1.65E-09	3.43E-08
556	437049.96	3725723.22	2.03E-07	9.03E-09	2.12E-07	4.27E-08	2.35E-09	4.51E-08	2.18E-07	1.11E-08	2.30E-07	2.64E-08	1.25E-09	2.76E-08
557	437032.13	3725763.11	1.87E-07	8.15E-09	1.95E-07	3.92E-08	2.11E-09	4.13E-08	2.01E-07	1.00E-08	2.11E-07	2.42E-08	1.13E-09	2.53E-08
558	436990.68	3725776.94	1.66E-07	7.07E-09	1.74E-07	3.49E-08	1.82E-09	3.67E-08	1.79E-07	8.63E-09	1.88E-07	2.15E-08	9.69E-10	2.24E-08
559	437002.5	3725789.98	1.70E-07	7.27E-09	1.77E-07	3.57E-08	1.87E-09	3.76E-08	1.83E-07	8.88E-09	1.92E-07	2.19E-08	9.98E-10	2.29E-08
560	437014.31	3725803.01	1.74E-07	7.46E-09	1.81E-07	3.64E-08	1.93E-09	3.84E-08	1.87E-07	9.12E-09	1.96E-07	2.24E-08	1.03E-09	2.34E-08
561	437026.12	3725816.04	1.78E-07	7.69E-09	1.86E-07	3.73E-08	1.99E-09	3.93E-08	1.91E-07	9.42E-09	2.01E-07	2.30E-08	1.06E-09	2.40E-08
562	436961.05	3725803.81	1.54E-07	6.41E-09	1.60E-07	3.22E-08	1.65E-09	3.38E-08	1.65E-07	7.80E-09	1.73E-07	1.98E-08	8.75E-10	2.06E-08
563	436972.86	3725816.84	1.57E-07	6.57E-09	1.63E-07	3.28E-08	1.69E-09	3.45E-08	1.68E-07	7.99E-09	1.76E-07	2.02E-08	8.97E-10	2.11E-08
564	436984.67	3725829.87	1.60E-07	6.73E-09	1.66E-07	3.35E-08	1.73E-09	3.52E-08	1.72E-07	8.19E-09	1.80E-07	2.05E-08	9.20E-10	2.15E-08
565	436996.48	3725842.9	1.63E-07	6.90E-09	1.70E-07	3.42E-08	1.78E-09	3.59E-08	1.75E-07	8.41E-09	1.84E-07	2.10E-08	9.45E-10	2.19E-08
566	436931.41	3725830.67	1.41E-07	5.78E-09	1.47E-07	2.95E-08	1.48E-09	3.10E-08	1.52E-07	6.99E-09	1.59E-07	1.81E-08	7.83E-10	1.89E-08
567	436943.22	3725843.7	1.44E-07	5.94E-09	1.50E-07	3.02E-08	1.52E-09	3.17E-08	1.55E-07	7.19E-09	1.62E-07	1.85E-08	8.06E-10	1.93E-08
568	436955.03	3725856.73	1.48E-07	6.12E-09	1.54E-07	3.09E-08	1.56E-09	3.25E-08	1.59E-07	7.42E-09	1.66E-07	1.89E-08	8.31E-10	1.98E-08
569	436966.85	3725869.77	1.51E-07	6.29E-09	1.57E-07	3.17E-08	1.61E-09	3.33E-08	1.62E-07	7.64E-09	1.70E-07	1.94E-08	8.57E-10	2.03E-08
570	436901.77	3725857.53	1.30E-07	5.24E-09	1.35E-07	2.72E-08	1.33E-09	2.85E-08	1.40E-07	6.32E-09	1.46E-07	1.66E-08	7.07E-10	1.73E-08
571	436913.58	3725870.57	1.34E-07	5.42E-09	1.39E-07	2.80E-08	1.38E-09	2.93E-08	1.44E-07	6.54E-09	1.50E-07	1.71E-08	7.32E-10	1.78E-08
572	436925.4	3725883.6	1.37E-07	5.60E-09	1.43E-07	2.88E-08	1.43E-09	3.02E-08	1.48E-07	6.77E-09	1.54E-07	1.76E-08	7.58E-10	1.84E-08
573	436937.21	3725896.63	1.41E-07	5.79E-09	1.47E-07	2.95E-08	1.48E-09	3.10E-08	1.52E-07	7.00E-09	1.59E-07	1.81E-08	7.84E-10	1.89E-08
574	436872.14	3725884.4	1.21E-07	4.83E-09	1.26E-07	2.54E-08	1.22E-09	2.66E-08	1.30E-07	5.80E-09	1.36E-07	1.55E-08	6.48E-10	1.61E-08
575	436883.95	3725897.43	1.25E-07	4.99E-09	1.30E-07	2.61E-08	1.27E-09	2.74E-08	1.34E-07	6.00E-09	1.40E-07	1.59E-08	6.71E-10	1.66E-08
576	436895.76	3725910.46	1.28E-07	5.16E-09	1.34E-07	2.68E-08	1.31E-09	2.82E-08	1.38E-07	6.22E-09	1.44E-07	1.64E-08	6.95E-10	1.71E-08
577	436907.57	3725923.49	1.32E-07	5.34E-09	1.37E-07	2.76E-08	1.36E-09	2.90E-08	1.42E-07	6.43E-09	1.48E-07	1.69E-08	7.20E-10	1.76E-08
578	436842.5	3725911.26	1.14E-07	4.47E-09	1.18E-07	2.38E-08	1.13E-09	2.49E-08	1.22E-07	5.35E-09	1.28E-07	1.45E-08	5.97E-10	1.51E-08
579	436854.31	3725924.29	1.17E-07	4.61E-09	1.21E-07	2.44E-08	1.17E-09	2.56E-08	1.25E-07	5.52E-09	1.31E-07	1.49E-08	6.17E-10	1.55E-08
580	436866.12	3725937.32	1.20E-07	4.76E-09	1.25E-07	2.51E-08	1.21E-09	2.63E-08	1.29E-07	5.72E-09	1.35E-07	1.53E-08	6.39E-10	1.60E-08
581	436877.94	3725950.36	1.23E-07	4.92E-09	1.28E-07	2.58E-08	1.25E-09	2.70E-08	1.33E-07	5.91E-09	1.38E-07	1.57E-08	6.61E-10	1.64E-08
582	436812.86	3725938.12	1.07E-07	4.17E-09	1.11E-07	2.24E-08	1.05E-09	2.34E-08	1.15E-07	4.97E-09	1.20E-07	1.36E-08	5.55E-10	1.42E-08
583	436824.67	3725951.15	1.10E-07	4.30E-09	1.14E-07	2.30E-08	1.08E-09	2.41E-08	1.18E-07	5.14E-09	1.23E-07	1.40E-08	5.73E-10	1.46E-08
584	436836.49	3725964.19	1.13E-07	4.44E-09	1.18E-07	2.36E-08	1.12E-09	2.47E-08	1.22E-07	5.31E-09	1.27E-07	1.44E-08	5.93E-10	1.50E-08
585	436848.3	3725977.22	1.16E-07	4.57E-09	1.21E-07	2.42E-08	1.16E-09	2.54E-08	1.25E-07	5.48E-09	1.30E-07	1.48E-08	6.12E-10	1.54E-08
586	436967.74	3725574.4	1.70E-07	7.15E-09	1.78E-07	3.58E-08	1.84E-09	3.76E-08	1.83E-07	8.72E-09	1.92E-07	2.20E-08	9.79E-10	2.30E-08
587	436930.83	3725589.82	1.50E-07	6.14E-09	1.56E-07	3.14E-08	1.57E-09	3.30E-08	1.61E-07	7.45E-09	1.69E-07	1.93E-08	8.35E-10	2.01E-08
588	436893.93	3725605.25	1.35E-07	5.41E-09	1.40E-07	2.82E-08	1.38E-09	2.96E-08	1.45E-07	6.53E-09	1.51E-07	1.73E-08	7.30E-10	1.80E-08
589	436857.02	3725620.68	1.22E-07	4.81E-09	1.27E-07	2.55E-08	1.22E-09	2.67E-08	1.31E-07	5.78E-09	1.37E-07	1.56E-08	6.46E-10	1.62E-08
590	436820.12	3725636.1	1.13E-07	4.41E-09	1.18E-07	2.37E-08	1.12E-09	2.48E-08	1.22E-07	5.28E-09	1.27E-07	1.44E-08	5.90E-10	1.50E-08
591	436730.34	3725021.93	9.32E-08	3.26E-09	9.64E-08	1.94E-08	8.02E-10	2.02E-08	1.00E-07	3.80E-09	1.04E-07	1.17E-08	4.20E-10	1.21E-08
592	436692.61	3725008.65	8.72E-08	3.04E-09	9.02E-08	1.81E-08	7.48E-10	1.89E-08	9.36E-08	3.54E-09	9.71E-08	1.10E-08	3.92E-10	1.13E-08
593	436654.87	3724995.37	8.09E-08	2.82E-09	8.37E-08	1.68E-08	6.91E-10	1.75E-08	8.68E-08	3.27E-09	9.01E-08	1.02E-08	3.62E-10	1.05E-08
594	437486.31	3725583.06	7.94E-06	7.59E-07	8.69E-06	1.76E-06	2.17E-07	1.98E-06	8.60E-06	1.03E-06	9.64E-06	1.19E-06	1.20E-07	1.31E-06
595	437493.69	3725589.34	7.73E-06	7.32E-07	8.46E-06	1.72E-06	2.10E-07	1.93E-06	8.38E-06	9.95E-07	9.37E-06	1.15E-06	1.15E-07	1.27E-06
596	437501.08	3725595.62	7.52E-06	7.06E-07	8.22E-06	1.67E-06	2.02E-07	1.87E-06	8.15E-06	9.58E-07	9.10E-06	1.12E-06	1.11E-07	1.23E-06
597	437508.47	3725601.9	7.33E-06	6.81E-07	8.01E-06	1.62E-06	1.95E-07	1.82E-06	7.94E-06	9.24E-07	8.87E-06	1.09E-06	1.07E-07	1.20E-06
598	437436.41	3725566.9	5.76E-06	5.49E-07	6.31E-06	1.28E-06	1.57E-07	1.44E-06	6.25E-06	7.47E-07	6.99E-06	8.63E-07	8.67E-08	9.50E-07
599	437443.8	3725573.18	5.77E-06	5.47E-07	6.32E-06	1.28E-06	1.57E-07	1.44E-06	6.25E-06	7.44E-07	7.00E-06	8.63E-07	8.63E-08	9.49E-07
600	437451.19	3725579.46	5.78E-06	5.45E-07	6.33E-06	1.28E-06	1.56E-07	1.44E-06	6.27E-06	7.41E-07	7.01E-06	8.63E-07	8.59E-08	9.49E-07
601	437458.58	3725585.74	5.78E-06	5.41E-07	6.32E-06	1.28E-06	1.55E-07	1.44E-06	6.26E-06	7.35E-07	6.99E-06	8.61E-07	8.53E-08	9.46E-07
602	437465.96	3725592.02	5.76E-06	5.36E-07	6.29E-06	1.28E-06	1.53E-07	1.43E-06	6.24E-06	7.28E-07	6.97E-06	8.57E-07	8.44E-08	9.41E-07
603	437473.35	3725598.3	5.70E-06	5.27E-07	6.23E-06	1.26E-06	1.50E-07	1.41E-06	6.18E-06	7.15E-07	6.89E-06	8.46E-07	8.28E-08	9.29E-07
604	437480.74	3725604.58	5.61E-06	5.14E-07	6.13E-06	1.24E-06	1.47E-07	1.39E-06	6.08E-06	6.97E-07	6.78E-06	8.31E-07	8.08E-08	9.12E-07
605	437488.13	3725610.86	5.53E-06	5.03E-07	6.03E-06	1.22E-06	1.43E-07	1.37E-06	5.99E-06	6.81E-07	6.67E-06	8.17E-07	7.89E-08	8.96E-07
606	437495.52	3725617.14	5.45E-06	4.91E-07	5.94E-06	1.20E-06	1.40E-07	1.34E-06	5.90E-06	6.65E-07	6.57E-06	8.04E-07	7.70E-08	8.81E-07
607	437396.27	3725555.39	3.93E-06	3.64E-07	4.29E-06	8.71E-07	1.04E-07	9.75E-07	4.26E-06	4.93E-07	4.75E-06	5.85E-07	5.72E-08	6.42E-07
608	437401.29	3725563.3	3.83E-06	3.51E-07	4.18E-06	8.48E-07	1.00E-07	9.48E-07	4.15E-06	4.76E-07	4.62E-06	5.68E-07	5.52E-08	6.23E-07
609	437408.68	3725569.58	3.89E-06	3.56E-07	4.24E-06	8.61E-07	1.02E-07	9.62E-07	4.21E-06	4.83E-07	4.69E-06	5.77E-07	5.60E-08	6.33E-07
610	437423.46	3725582.14	4.03E-06	3.67E-07	4.39E-06	8.91E-07	1.05E-07	9.96E-07	4.36E-06	4.97E-07	4.86E-06	5.96E-07	5.77E-08	6.54E-07
611	437430.84	3725588.42	4.08E-06	3.70E-07	4.45E-06	9.02E-07	1.06E-07	1.01E-06	4.42E-06	5.02E-07	4.92E-06	6.03E-07	5.82E-08	6.62E-07
612	437438.23	3725594.7	4.12E-06	3.73E-07	4.49E-06	9.11E-07	1.06E-07	1.02E-06	4.46E-06	5.05E-07	4.97E-06	6.09E-07	5.85E-08	6.67E-07

613	437445.62	3725600.98	4.15E-06	3.73E-07	4.52E-06	9.16E-07	1.06E-07	1.02E-06	4.49E-06	5.05E-07	4.99E-06	6.12E-07	5.85E-08	6.70E-07
614	437453.01	3725607.26	4.16E-06	3.73E-07	4.53E-06	9.19E-07	1.06E-07	1.03E-06	4.51E-06	5.04E-07	5.01E-06	6.13E-07	5.84E-08	6.72E-07
615	437460.4	3725613.54	4.17E-06	3.71E-07	4.55E-06	9.21E-07	1.06E-07	1.03E-06	4.52E-06	5.02E-07	5.02E-06	6.14E-07	5.82E-08	6.72E-07
616	437467.79	3725619.82	4.18E-06	3.70E-07	4.55E-06	9.22E-07	1.05E-07	1.03E-06	4.53E-06	5.00E-07	5.03E-06	6.14E-07	5.79E-08	6.72E-07
617	437475.18	3725626.1	4.17E-06	3.66E-07	4.53E-06	9.18E-07	1.04E-07	1.02E-06	4.51E-06	4.94E-07	5.01E-06	6.11E-07	5.72E-08	6.68E-07
618	437482.57	3725632.38	4.14E-06	3.61E-07	4.50E-06	9.11E-07	1.02E-07	1.01E-06	4.48E-06	4.87E-07	4.97E-06	6.05E-07	5.63E-08	6.62E-07
619	437376.87	3725578.29	2.42E-06	2.06E-07	2.63E-06	5.32E-07	5.85E-08	5.91E-07	2.62E-06	2.78E-07	2.90E-06	3.53E-07	3.21E-08	3.85E-07
620	437371.87	3725570.41	2.43E-06	2.08E-07	2.64E-06	5.35E-07	5.90E-08	5.94E-07	2.63E-06	2.80E-07	2.91E-06	3.55E-07	3.24E-08	3.88E-07
621	437366.88	3725562.54	2.43E-06	2.08E-07	2.64E-06	5.35E-07	5.91E-08	5.95E-07	2.63E-06	2.81E-07	2.91E-06	3.56E-07	3.25E-08	3.88E-07
622	437361.89	3725554.67	2.41E-06	2.07E-07	2.62E-06	5.31E-07	5.87E-08	5.90E-07	2.61E-06	2.79E-07	2.89E-06	3.53E-07	3.23E-08	3.85E-07
623	437381.86	3725586.16	2.40E-06	2.04E-07	2.61E-06	5.28E-07	5.78E-08	5.86E-07	2.60E-06	2.74E-07	2.88E-06	3.50E-07	3.18E-08	3.82E-07
624	437389.25	3725592.44	2.47E-06	2.10E-07	2.68E-06	5.44E-07	5.96E-08	6.03E-07	2.68E-06	2.83E-07	2.96E-06	3.60E-07	3.27E-08	3.93E-07
625	437396.64	3725598.72	2.52E-06	2.14E-07	2.73E-06	5.54E-07	6.07E-08	6.15E-07	2.73E-06	2.88E-07	3.02E-06	3.67E-07	3.34E-08	4.01E-07
626	437404.03	3725605	2.56E-06	2.17E-07	2.77E-06	5.62E-07	6.15E-08	6.24E-07	2.77E-06	2.92E-07	3.06E-06	3.72E-07	3.38E-08	4.06E-07
627	437455.75	3725648.96	2.84E-06	2.36E-07	3.07E-06	6.22E-07	6.67E-08	6.89E-07	3.07E-06	3.17E-07	3.39E-06	4.11E-07	3.66E-08	4.47E-07
628	437463.14	3725655.24	2.85E-06	2.36E-07	3.09E-06	6.24E-07	6.66E-08	6.91E-07	3.08E-06	3.16E-07	3.40E-06	4.12E-07	3.66E-08	4.48E-07
629	437357.46	3725601.18	1.70E-06	1.34E-07	1.83E-06	3.71E-07	3.77E-08	4.09E-07	1.84E-06	1.79E-07	2.01E-06	2.43E-07	2.07E-08	2.64E-07
630	437352.49	3725593.34	1.69E-06	1.34E-07	1.83E-06	3.70E-07	3.77E-08	4.08E-07	1.83E-06	1.79E-07	2.01E-06	2.43E-07	2.07E-08	2.64E-07
631	437362.43	3725609.02	1.69E-06	1.33E-07	1.83E-06	3.70E-07	3.75E-08	4.07E-07	1.83E-06	1.78E-07	2.01E-06	2.43E-07	2.06E-08	2.63E-07
632	437369.82	3725615.3	1.73E-06	1.37E-07	1.87E-06	3.78E-07	3.85E-08	4.17E-07	1.87E-06	1.83E-07	2.06E-06	2.48E-07	2.11E-08	2.69E-07
633	437377.21	3725621.58	1.76E-06	1.39E-07	1.90E-06	3.85E-07	3.92E-08	4.24E-07	1.91E-06	1.86E-07	2.09E-06	2.53E-07	2.15E-08	2.74E-07
634	437384.6	3725627.86	1.80E-06	1.42E-07	1.94E-06	3.93E-07	4.01E-08	4.33E-07	1.95E-06	1.90E-07	2.14E-06	2.58E-07	2.20E-08	2.80E-07
635	437391.99	3725634.14	1.84E-06	1.46E-07	1.99E-06	4.03E-07	4.12E-08	4.44E-07	1.99E-06	1.95E-07	2.19E-06	2.64E-07	2.26E-08	2.87E-07
636	437399.38	3725640.42	1.88E-06	1.49E-07	2.03E-06	4.11E-07	4.20E-08	4.53E-07	2.03E-06	1.99E-07	2.23E-06	2.70E-07	2.30E-08	2.93E-07
637	437421.54	3725659.26	1.99E-06	1.57E-07	2.15E-06	4.34E-07	4.43E-08	4.79E-07	2.15E-06	2.10E-07	2.36E-06	2.85E-07	2.43E-08	3.09E-07
638	437428.93	3725665.54	2.03E-06	1.60E-07	2.19E-06	4.42E-07	4.50E-08	4.87E-07	2.19E-06	2.14E-07	2.40E-06	2.90E-07	2.47E-08	3.15E-07
639	437436.32	3725671.82	2.05E-06	1.62E-07	2.22E-06	4.48E-07	4.55E-08	4.94E-07	2.22E-06	2.16E-07	2.44E-06	2.94E-07	2.49E-08	3.19E-07
640	437443.71	3725678.1	2.08E-06	1.63E-07	2.24E-06	4.53E-07	4.58E-08	4.99E-07	2.24E-06	2.17E-07	2.46E-06	2.96E-07	2.51E-08	3.22E-07
641	437296.53	3725558.6	1.11E-06	7.82E-08	1.19E-06	2.41E-07	2.18E-08	2.62E-07	1.20E-06	1.03E-07	1.30E-06	1.56E-07	1.19E-08	1.68E-07
642	437286.2	3725542.31	1.05E-06	7.22E-08	1.12E-06	2.27E-07	2.01E-08	2.47E-07	1.13E-06	9.52E-08	1.23E-06	1.47E-07	1.10E-08	1.58E-07
643	437343	3725631.88	1.29E-06	9.52E-08	1.39E-06	2.81E-07	2.66E-08	3.08E-07	1.40E-06	1.26E-07	1.52E-06	1.83E-07	1.46E-08	1.98E-07
644	437350.39	3725638.16	1.33E-06	9.83E-08	1.43E-06	2.89E-07	2.75E-08	3.16E-07	1.44E-06	1.31E-07	1.57E-06	1.88E-07	1.50E-08	2.03E-07
645	437357.78	3725644.44	1.36E-06	1.01E-07	1.46E-06	2.95E-07	2.82E-08	3.24E-07	1.47E-06	1.34E-07	1.60E-06	1.92E-07	1.55E-08	2.08E-07
646	437365.17	3725650.72	1.39E-06	1.03E-07	1.49E-06	3.01E-07	2.89E-08	3.30E-07	1.50E-06	1.37E-07	1.63E-06	1.96E-07	1.58E-08	2.12E-07
647	437372.56	3725657	1.41E-06	1.05E-07	1.51E-06	3.06E-07	2.94E-08	3.36E-07	1.52E-06	1.40E-07	1.66E-06	1.99E-07	1.61E-08	2.16E-07
648	437379.95	3725663.28	1.43E-06	1.07E-07	1.54E-06	3.11E-07	2.99E-08	3.41E-07	1.55E-06	1.42E-07	1.69E-06	2.03E-07	1.64E-08	2.19E-07
649	437387.34	3725669.56	1.46E-06	1.09E-07	1.57E-06	3.18E-07	3.06E-08	3.48E-07	1.58E-06	1.45E-07	1.72E-06	2.07E-07	1.67E-08	2.24E-07
650	437409.51	3725688.4	1.54E-06	1.15E-07	1.65E-06	3.34E-07	3.21E-08	3.66E-07	1.66E-06	1.52E-07	1.81E-06	2.17E-07	1.75E-08	2.35E-07
651	437416.9	3725694.68	1.56E-06	1.16E-07	1.68E-06	3.39E-07	3.26E-08	3.72E-07	1.69E-06	1.55E-07	1.84E-06	2.21E-07	1.78E-08	2.39E-07
652	437424.28	3725700.96	1.58E-06	1.18E-07	1.70E-06	3.44E-07	3.30E-08	3.77E-07	1.71E-06	1.56E-07	1.87E-06	2.24E-07	1.80E-08	2.42E-07
653	437303.04	3725622.36	9.91E-07	6.79E-08	1.06E-06	2.14E-07	1.89E-08	2.33E-07	1.07E-06	8.95E-08	1.16E-06	1.38E-07	1.03E-08	1.48E-07
654	437297.91	3725614.27	9.72E-07	6.63E-08	1.04E-06	2.10E-07	1.84E-08	2.28E-07	1.05E-06	8.72E-08	1.14E-06	1.35E-07	1.00E-08	1.45E-07
655	437292.78	3725606.17	9.51E-07	6.45E-08	1.02E-06	2.05E-07	1.79E-08	2.23E-07	1.03E-06	8.48E-08	1.11E-06	1.32E-07	9.75E-09	1.42E-07
656	437287.64	3725598.08	9.29E-07	6.25E-08	9.91E-07	2.00E-07	1.73E-08	2.18E-07	1.00E-06	8.21E-08	1.08E-06	1.29E-07	9.44E-09	1.39E-07
657	437267.11	3725565.7	8.40E-07	5.44E-08	8.95E-07	1.81E-07	1.50E-08	1.96E-07	9.07E-07	7.13E-08	9.78E-07	1.16E-07	8.19E-09	1.24E-07
658	437256.85	3725549.52	8.01E-07	5.08E-08	8.51E-07	1.72E-07	1.40E-08	1.86E-07	8.64E-07	6.63E-08	9.30E-07	1.10E-07	7.61E-09	1.18E-07
659	437251.71	3725541.42	7.77E-07	4.87E-08	8.26E-07	1.67E-07	1.34E-08	1.80E-07	8.38E-07	6.35E-08	9.02E-07	1.07E-07	7.28E-09	1.14E-07
660	437338.35	3725667.3	1.10E-06	7.71E-08	1.18E-06	2.38E-07	2.15E-08	2.59E-07	1.19E-06	1.02E-07	1.29E-06	1.54E-07	1.17E-08	1.65E-07
661	437345.74	3725673.58	1.12E-06	7.91E-08	1.20E-06	2.43E-07	2.20E-08	2.65E-07	1.21E-06	1.04E-07	1.32E-06	1.57E-07	1.20E-08	1.69E-07
662	437353.13	3725679.86	1.14E-06	8.08E-08	1.22E-06	2.47E-07	2.25E-08	2.70E-07	1.23E-06	1.07E-07	1.34E-06	1.60E-07	1.23E-08	1.72E-07
663	437360.52	3725686.14	1.16E-06	8.21E-08	1.24E-06	2.51E-07	2.29E-08	2.74E-07	1.25E-06	1.08E-07	1.36E-06	1.62E-07	1.25E-08	1.75E-07
664	437367.91	3725692.42	1.18E-06	8.35E-08	1.26E-06	2.55E-07	2.32E-08	2.78E-07	1.27E-06	1.10E-07	1.38E-06	1.65E-07	1.27E-08	1.78E-07
665	437375.3	3725698.7	1.20E-06	8.49E-08	1.28E-06	2.59E-07	2.36E-08	2.83E-07	1.29E-06	1.12E-07	1.41E-06	1.68E-07	1.29E-08	1.81E-07
666	437382.69	3725704.98	1.22E-06	8.64E-08	1.30E-06	2.63E-07	2.40E-08	2.87E-07	1.31E-06	1.14E-07	1.43E-06	1.70E-07	1.31E-08	1.84E-07
667	437283.72	3725645.39	8.02E-07	5.19E-08	8.54E-07	1.73E-07	1.43E-08	1.87E-07	8.66E-07	6.78E-08	9.33E-07	1.11E-07	7.78E-09	1.18E-07
668	437278.61	3725637.33	7.87E-07	5.06E-08	8.38E-07	1.69E-07	1.39E-08	1.83E-07	8.49E-07	6.62E-08	9.15E-07	1.08E-07	7.59E-09	1.16E-07
669	437273.51	3725629.28	7.72E-07	4.93E-08	8.21E-07	1.66E-07	1.36E-08	1.80E-07	8.33E-07	6.45E-08	8.97E-07	1.06E-07	7.39E-09	1.14E-07
670	437268.4	3725621.23	7.56E-07	4.80E-08	8.04E-07	1.62E-07	1.32E-08	1.76E-07	8.16E-07	6.26E-08	8.78E-07	1.04E-07	7.18E-09	1.11E-07
671	437263.29	3725613.18	7.39E-07	4.65E-08	7.85E-07	1.59E-07	1.28E-08	1.72E-07	7.97E-07	6.07E-08	8.58E-07	1.02E-07	6.96E-09	1.08E-07
672	437253.08	3725597.07	7.01E-07	4.34E-08	7.45E-07	1.51E-07	1.19E-08	1.62E-07	7.57E-07	5.65E-08	8.13E-07	9.62E-08	6.47E-09	1.03E-07
673	437232.65	3725564.86	6.31E-07	3.74E-08	6.68E-07	1.35E-07	1.02E-08	1.45E-07	6.80E-07	4.85E-08	7.29E-07	8.60E-08	5.54E-09	9.15E-08
674	437227.55	3725556.81	6.16E-07	3.61E-08	6.52E-07	1.32E-07	9.85E-09	1.42E-07	6.64E-07	4.67E-08	7.11E-07	8.38E-08	5.34E-09	8.91E-08
675	437222.44	3725548.75	6.01E-07	3.49E-08	6.36E-07	1.29E-07	9.49E-09	1.38E-07	6.48E-07	4.50E-08	6.93E-07	8.16E-08	5.15E-09	8.68E-08
676	437217.33	3725540.7	5.85E-07	3.36E-08	6.19E-07	1.25E-07	9.12E-09	1.34E-07	6.31E-07	4.33E-08	6.74E-07	7.94E-08	4.94E-09	8.43E-08
677	437333.7	3725702.72	9.45E-07	6.34E-08	1.01E-06	2.04E-07	1.75E-08	2.21E-07	1.02E-06	8.33E-08	1.10E-06	1.31E-07	9.56E-09	1.41E-07
678	437370.65	3725734.12	1.03E-06	6.96E-08	1.10E-06	2.21E-07	1.93E-08	2.41E-07	1.11E-06	9.14E-08	1.20E-06	1.42E-07	1.05E-08	1.53E-07
679	437378.04	3725740.4	1.04E-06	7.06E-08	1.11E-06	2.24E-07	1.95E-08	2.44E-07	1.12E-06	9.27E-08	1.22E-06	1.44E-07	1.07E-08	1.55E-07
680	437279.64	3725692.44	6.87E-07	4.26E-08	7.30E-07	1.47E-07	1.17E-08	1.59E-07	7.41E-07	5.53E-08	7.97E-07	9.39E-08	6.33E-09	1.00E-07
681	437274.55	3725684.42	6.78E-07	4.18E-08	7.20E-07	1.45E-07	1.15E-08	1.57E-07	7.31E-07	5.44E-08	7.85E-07	9.26E-08	6.22E-09	9.88E-08
682	437269.47	3725676.41	6.69E-07	4.11E-08	7.10E-07	1.43E-07	1.13E-08	1.55E-07	7.21E-07	5.34E-08	7.74E-07	9.13E-08	6.11E-09	9.74E-08
683	437249.13	3725644.34	6.25E-07	3.76E-08	6.62E-07	1.34E-07	1.03E-08	1.44E-07	6.74E-07	4.88E-08	7.22E-07	8.51E-08	5.58E-09	9.07E-08
684	437244.05	3725636.32	6.13E-07	3.67E-08	6.50E-07	1.31E-07	1.00E-08	1.41E-07	6.61E-07	4.75E-08	7.09E-07	8.35E-08	5.44E-09	8.89E-08
685	437223.71	3725604.25	5.60E-07	3.25E-08	5.93E-07	1.20E-07	8.82E-09	1.29E-07	6.04E-07	4.19E-08	6.46E-07	7.60E-08	4.78E-09	8.07E-08
686	437218.63	3725596.24	5.47E-07	3.14E-08	5.79E-07	1.17E-07	8.53E-09	1.26E-07	5.90E-07	4.05E-08	6.31E-07	7.41E-08	4.62E-09	7.87E-08
687	437213.54	3725588.22	5.35E-07	3.04E-08	5.66E-07	1.14E-07	8.25E-09	1.23E-07	5.77E-07	3.92E-08	6.16E-07	7.24E-08	4.47E-09	7.68E-08
688	437198.29	3725564.17	4.98E-07	2.75E-08	5.26E-07	1.06E-07	7.43E-09	1.14E-07	5.37E-07	3.52E-08	5.72E-07	6.71E-08	4.02E-09	7.11E-08
689	437193.21	3725556.15	4.86E-07	2.65E-08	5.12E-07	1.03E-07	7.15E-09	1.11E-07	5.23E-07	3.39E-08	5.57E-07	6.53E-08	3.87E-09	6.92E-08

690	437188.12	3725548.13	4.73E-07	2.55E-08	4.99E-07	1.01E-07	6.88E-09	1.08E-07	5.10E-07	3.26E-08	5.42E-07	6.35E-08	3.72E-09	6.73E-08
691	437284.72	3725700.46	6.97E-07	4.33E-08	7.40E-07	1.49E-07	1.19E-08	1.61E-07	7.51E-07	5.63E-08	8.08E-07	9.52E-08	6.44E-09	1.02E-07
692	437292.11	3725706.74	7.20E-07	4.51E-08	7.65E-07	1.54E-07	1.24E-08	1.67E-07	7.77E-07	5.87E-08	8.35E-07	9.85E-08	6.72E-09	1.05E-07
693	437299.5	3725713.02	7.43E-07	4.68E-08	7.90E-07	1.59E-07	1.29E-08	1.72E-07	8.01E-07	6.10E-08	8.62E-07	1.02E-07	6.99E-09	1.09E-07
694	437336.44	3725744.42	8.37E-07	5.40E-08	8.91E-07	1.80E-07	1.48E-08	1.95E-07	9.02E-07	7.04E-08	9.73E-07	1.15E-07	8.08E-09	1.23E-07
695	437343.83	3725750.7	8.50E-07	5.49E-08	9.05E-07	1.83E-07	1.51E-08	1.98E-07	9.16E-07	7.17E-08	9.88E-07	1.17E-07	8.22E-09	1.25E-07
696	437351.22	3725756.98	8.62E-07	5.58E-08	9.18E-07	1.85E-07	1.54E-08	2.01E-07	9.30E-07	7.29E-08	1.00E-06	1.18E-07	8.36E-09	1.27E-07
697	437358.61	3725763.26	8.74E-07	5.66E-08	9.30E-07	1.88E-07	1.56E-08	2.03E-07	9.42E-07	7.39E-08	1.02E-06	1.20E-07	8.48E-09	1.28E-07
698	437366	3725769.54	8.85E-07	5.73E-08	9.42E-07	1.90E-07	1.58E-08	2.06E-07	9.54E-07	7.49E-08	1.03E-06	1.22E-07	8.59E-09	1.30E-07
699	437260.23	3725715.33	5.74E-07	3.38E-08	6.08E-07	1.23E-07	9.21E-09	1.32E-07	6.19E-07	4.37E-08	6.63E-07	7.78E-08	4.99E-09	8.28E-08
700	437255.16	3725707.35	5.67E-07	3.33E-08	6.00E-07	1.21E-07	9.05E-09	1.30E-07	6.11E-07	4.30E-08	6.54E-07	7.68E-08	4.91E-09	8.17E-08
701	437250.1	3725699.36	5.59E-07	3.27E-08	5.92E-07	1.19E-07	8.89E-09	1.28E-07	6.03E-07	4.22E-08	6.45E-07	7.57E-08	4.82E-09	8.05E-08
702	437245.03	3725691.37	5.51E-07	3.21E-08	5.83E-07	1.18E-07	8.72E-09	1.26E-07	5.94E-07	4.14E-08	6.35E-07	7.45E-08	4.73E-09	7.92E-08
703	437239.97	3725683.39	5.42E-07	3.14E-08	5.74E-07	1.16E-07	8.54E-09	1.24E-07	5.84E-07	4.05E-08	6.25E-07	7.33E-08	4.63E-09	7.79E-08
704	437234.91	3725675.4	5.33E-07	3.08E-08	5.64E-07	1.14E-07	8.35E-09	1.22E-07	5.75E-07	3.96E-08	6.14E-07	7.21E-08	4.53E-09	7.66E-08
705	437229.84	3725667.42	5.24E-07	3.01E-08	5.54E-07	1.12E-07	8.16E-09	1.20E-07	5.65E-07	3.87E-08	6.03E-07	7.08E-08	4.42E-09	7.52E-08
706	437209.58	3725635.47	4.87E-07	2.73E-08	5.15E-07	1.04E-07	7.37E-09	1.11E-07	5.25E-07	3.50E-08	5.60E-07	6.56E-08	3.99E-09	6.96E-08
707	437204.52	3725627.49	4.78E-07	2.65E-08	5.05E-07	1.02E-07	7.17E-09	1.09E-07	5.15E-07	3.40E-08	5.49E-07	6.43E-08	3.88E-09	6.82E-08
708	437199.46	3725619.5	4.69E-07	2.58E-08	4.94E-07	9.98E-08	6.97E-09	1.07E-07	5.05E-07	3.31E-08	5.38E-07	6.30E-08	3.77E-09	6.68E-08
709	437194.39	3725611.52	4.59E-07	2.51E-08	4.84E-07	9.77E-08	6.76E-09	1.04E-07	4.94E-07	3.20E-08	5.26E-07	6.16E-08	3.65E-09	6.52E-08
710	437164.01	3725563.6	4.03E-07	2.08E-08	4.23E-07	8.55E-08	5.58E-09	9.11E-08	4.34E-07	2.65E-08	4.60E-07	5.37E-08	3.01E-09	5.67E-08
711	437158.94	3725555.62	3.93E-07	2.01E-08	4.13E-07	8.34E-08	5.38E-09	8.88E-08	4.23E-07	2.55E-08	4.48E-07	5.23E-08	2.90E-09	5.52E-08
712	437153.88	3725547.63	3.83E-07	1.95E-08	4.03E-07	8.13E-08	5.19E-09	8.65E-08	4.13E-07	2.46E-08	4.37E-07	5.10E-08	2.80E-09	5.38E-08
713	437265.29	3725723.32	5.82E-07	3.44E-08	6.16E-07	1.24E-07	9.35E-09	1.34E-07	6.27E-07	4.44E-08	6.71E-07	7.88E-08	5.07E-09	8.38E-08
714	437294.85	3725748.44	6.56E-07	3.99E-08	6.96E-07	1.40E-07	1.09E-08	1.51E-07	7.07E-07	5.16E-08	7.59E-07	8.92E-08	5.91E-09	9.51E-08
715	437324.4	3725773.56	7.12E-07	4.39E-08	7.56E-07	1.52E-07	1.20E-08	1.64E-07	7.67E-07	5.70E-08	8.24E-07	9.69E-08	6.52E-09	1.03E-07
716	437331.79	3725779.84	7.23E-07	4.47E-08	7.67E-07	1.55E-07	1.22E-08	1.67E-07	7.79E-07	5.80E-08	8.37E-07	9.84E-08	6.64E-09	1.05E-07
717	437339.18	3725786.12	7.33E-07	4.54E-08	7.78E-07	1.57E-07	1.24E-08	1.69E-07	7.90E-07	5.89E-08	8.49E-07	9.99E-08	6.74E-09	1.07E-07
718	437346.57	3725792.4	7.43E-07	4.60E-08	7.89E-07	1.59E-07	1.26E-08	1.72E-07	8.01E-07	5.98E-08	8.60E-07	1.01E-07	6.84E-09	1.08E-07
719	437225.68	3725714.34	4.69E-07	2.62E-08	4.95E-07	9.99E-08	7.06E-09	1.07E-07	5.05E-07	3.35E-08	5.39E-07	6.30E-08	3.82E-09	6.68E-08
720	437220.63	3725706.39	4.63E-07	2.57E-08	4.88E-07	9.85E-08	6.93E-09	1.05E-07	4.98E-07	3.29E-08	5.31E-07	6.21E-08	3.75E-09	6.58E-08
721	437215.58	3725698.43	4.56E-07	2.52E-08	4.81E-07	9.70E-08	6.79E-09	1.04E-07	4.91E-07	3.22E-08	5.23E-07	6.11E-08	3.67E-09	6.48E-08
722	437210.54	3725690.47	4.48E-07	2.47E-08	4.73E-07	9.54E-08	6.65E-09	1.02E-07	4.83E-07	3.15E-08	5.15E-07	6.01E-08	3.59E-09	6.37E-08
723	437205.49	3725682.51	4.41E-07	2.41E-08	4.65E-07	9.39E-08	6.50E-09	1.00E-07	4.75E-07	3.08E-08	5.06E-07	5.91E-08	3.51E-09	6.26E-08
724	437200.44	3725674.55	4.34E-07	2.36E-08	4.57E-07	9.22E-08	6.35E-09	9.86E-08	4.67E-07	3.01E-08	4.97E-07	5.81E-08	3.43E-09	6.15E-08
725	437175.21	3725634.76	3.94E-07	2.07E-08	4.14E-07	8.36E-08	5.54E-09	8.91E-08	4.24E-07	2.63E-08	4.50E-07	5.25E-08	2.99E-09	5.55E-08
726	437170.16	3725626.8	3.84E-07	2.00E-08	4.04E-07	8.16E-08	5.36E-09	8.70E-08	4.14E-07	2.54E-08	4.39E-07	5.12E-08	2.89E-09	5.41E-08
727	437165.12	3725618.85	3.78E-07	1.96E-08	3.97E-07	8.02E-08	5.23E-09	8.55E-08	4.07E-07	2.48E-08	4.32E-07	5.03E-08	2.82E-09	5.31E-08
728	437160.07	3725610.89	3.71E-07	1.91E-08	3.90E-07	7.88E-08	5.10E-09	8.39E-08	4.00E-07	2.42E-08	4.24E-07	4.94E-08	2.75E-09	5.21E-08
729	437155.02	3725602.93	3.64E-07	1.86E-08	3.83E-07	7.73E-08	4.96E-09	8.22E-08	3.92E-07	2.35E-08	4.16E-07	4.84E-08	2.67E-09	5.11E-08
730	437149.97	3725594.97	3.57E-07	1.81E-08	3.75E-07	7.57E-08	4.81E-09	8.05E-08	3.84E-07	2.28E-08	4.07E-07	4.74E-08	2.59E-09	5.00E-08
731	437134.83	3725571.1	3.38E-07	1.67E-08	3.54E-07	7.15E-08	4.43E-09	7.59E-08	3.63E-07	2.10E-08	3.84E-07	4.47E-08	2.38E-09	4.71E-08
732	437129.79	3725563.14	3.31E-07	1.62E-08	3.47E-07	7.01E-08	4.30E-09	7.44E-08	3.56E-07	2.04E-08	3.77E-07	4.38E-08	2.32E-09	4.61E-08
733	437124.74	3725555.18	3.24E-07	1.58E-08	3.40E-07	6.86E-08	4.17E-09	7.27E-08	3.49E-07	1.98E-08	3.68E-07	4.28E-08	2.24E-09	4.50E-08
734	437245.86	3725746.18	4.95E-07	2.80E-08	5.23E-07	1.05E-07	7.56E-09	1.13E-07	5.33E-07	3.59E-08	5.69E-07	6.65E-08	4.09E-09	7.06E-08
735	437253.25	3725752.46	5.08E-07	2.89E-08	5.37E-07	1.08E-07	7.82E-09	1.16E-07	5.47E-07	3.71E-08	5.85E-07	6.84E-08	4.24E-09	7.26E-08
736	437260.64	3725758.74	5.22E-07	2.99E-08	5.52E-07	1.11E-07	8.10E-09	1.19E-07	5.62E-07	3.84E-08	6.01E-07	7.03E-08	4.38E-09	7.47E-08
737	437268.03	3725765.02	5.37E-07	3.10E-08	5.68E-07	1.14E-07	8.39E-09	1.23E-07	5.79E-07	3.98E-08	6.18E-07	7.24E-08	4.54E-09	7.69E-08
738	437275.42	3725771.3	5.51E-07	3.20E-08	5.83E-07	1.18E-07	8.67E-09	1.26E-07	5.94E-07	4.12E-08	6.35E-07	7.44E-08	4.70E-09	7.91E-08
739	437282.81	3725777.58	5.65E-07	3.29E-08	5.98E-07	1.21E-07	8.94E-09	1.30E-07	6.09E-07	4.24E-08	6.51E-07	7.63E-08	4.85E-09	8.11E-08
740	437312.37	3725802.7	6.08E-07	3.59E-08	6.44E-07	1.30E-07	9.77E-09	1.40E-07	6.55E-07	4.63E-08	7.01E-07	8.22E-08	5.30E-09	8.75E-08
741	437319.75	3725808.98	6.19E-07	3.66E-08	6.55E-07	1.32E-07	9.96E-09	1.42E-07	6.66E-07	4.73E-08	7.14E-07	8.36E-08	5.40E-09	8.90E-08
742	437327.14	3725815.26	6.27E-07	3.72E-08	6.64E-07	1.34E-07	1.01E-08	1.44E-07	6.76E-07	4.80E-08	7.24E-07	8.48E-08	5.49E-09	9.03E-08
743	437221.26	3725760.88	4.23E-07	2.29E-08	4.46E-07	8.99E-08	6.16E-09	9.61E-08	4.56E-07	2.92E-08	4.85E-07	5.65E-08	3.33E-09	5.98E-08
744	437216.09	3725752.72	4.18E-07	2.26E-08	4.41E-07	8.89E-08	6.07E-09	9.49E-08	4.50E-07	2.88E-08	4.79E-07	5.58E-08	3.28E-09	5.91E-08
745	437210.91	3725744.56	4.13E-07	2.22E-08	4.35E-07	8.77E-08	5.97E-09	9.37E-08	4.45E-07	2.83E-08	4.73E-07	5.51E-08	3.22E-09	5.83E-08
746	437205.74	3725736.4	4.07E-07	2.18E-08	4.29E-07	8.65E-08	5.86E-09	9.23E-08	4.38E-07	2.78E-08	4.66E-07	5.43E-08	3.16E-09	5.74E-08
747	437169.51	3725679.27	3.64E-07	1.88E-08	3.83E-07	7.72E-08	5.03E-09	8.22E-08	3.92E-07	2.39E-08	4.15E-07	4.83E-08	2.71E-09	5.10E-08
748	437164.34	3725671.11	3.57E-07	1.84E-08	3.75E-07	7.57E-08	4.90E-09	8.06E-08	3.84E-07	2.32E-08	4.07E-07	4.74E-08	2.64E-09	5.00E-08
749	437159.16	3725662.95	3.50E-07	1.79E-08	3.68E-07	7.42E-08	4.77E-09	7.90E-08	3.77E-07	2.26E-08	4.00E-07	4.65E-08	2.57E-09	4.90E-08
750	437153.99	3725654.79	3.43E-07	1.74E-08	3.61E-07	7.28E-08	4.64E-09	7.74E-08	3.70E-07	2.20E-08	3.92E-07	4.55E-08	2.50E-09	4.80E-08
751	437148.81	3725646.63	3.37E-07	1.70E-08	3.53E-07	7.13E-08	4.51E-09	7.58E-08	3.62E-07	2.14E-08	3.84E-07	4.46E-08	2.43E-09	4.70E-08
752	437143.64	3725638.47	3.30E-07	1.65E-08	3.46E-07	6.99E-08	4.39E-09	7.42E-08	3.55E-07	2.08E-08	3.76E-07	4.37E-08	2.36E-09	4.60E-08
753	437138.46	3725630.31	3.23E-07	1.61E-08	3.39E-07	6.85E-08	4.26E-09	7.27E-08	3.48E-07	2.02E-08	3.68E-07	4.28E-08	2.29E-09	4.51E-08
754	437133.29	3725622.15	3.18E-07	1.57E-08	3.33E-07	6.72E-08	4.15E-09	7.14E-08	3.42E-07	1.97E-08	3.61E-07	4.20E-08	2.23E-09	4.42E-08
755	437102.24	3725573.19	2.85E-07	1.35E-08	2.98E-07	6.02E-08	3.55E-09	6.37E-08	3.06E-07	1.68E-08	3.23E-07	3.75E-08	1.90E-09	3.94E-08
756	437307.72	3725838.12	5.35E-07	3.04E-08	5.65E-07	1.14E-07	8.23E-09	1.22E-07	5.76E-07	3.90E-08	6.15E-07	7.18E-08	4.45E-09	7.62E-08
757	437176.09	3725743.14	3.47E-07	1.78E-08	3.65E-07	7.35E-08	4.75E-09	7.82E-08	3.73E-07	2.25E-08	3.96E-07	4.59E-08	2.56E-09	4.85E-08
758	437170.94	3725735.02	3.41E-07	1.74E-08	3.59E-07	7.23E-08	4.65E-09	7.70E-08	3.67E-07	2.20E-08	3.89E-07	4.52E-08	2.50E-09	4.77E-08
759	437165.78	3725726.89	3.36E-07	1.71E-08	3.53E-07	7.11E-08	4.54E-09	7.56E-08	3.61E-07	2.15E-08	3.83E-07	4.44E-08	2.45E-09	4.69E-08
760	437160.63	3725718.77	3.30E-07	1.67E-08	3.47E-07	6.99E-08	4.44E-09	7.44E-08	3.55E-07	2.11E-08	3.76E-07	4.37E-08	2.39E-09	4.61E-08
761	437140.02	3725686.26	3.09E-07	1.53E-08	3.24E-07	6.53E-08	4.05E-09	6.94E-08	3.32E-07	1.92E-08	3.51E-07	4.07E-08	2.18E-09	4.29E-08
762	437134.87	3725678.14	3.04E-07	1.50E-08	3.19E-07	6.42E-08	3.96E-09	6.82E-08	3.27E-07	1.88E-08	3.46E-07	4.01E-08	2.13E-09	4.22E-08
763	437129.71	3725670.01	2.99E-07	1.46E-08	3.13E-07	6.32E-08	3.87E-09	6.71E-08	3.22E-07	1.84E-08	3.40E-07	3.94E-08	2.08E-09	4.15E-08
764	437098.8	3725621.26	2.71E-07	1.28E-08	2.83E-07	5.72E-08	3.36E-09	6.05E-08	2.91E-07	1.59E-08	3.07E-07	3.55E-08	1.80E-09	3.73E-08
765	437093.64	3725613.14	2.66E-07	1.25E-08	2.79E-07	5.62E-08	3.28E-09	5.95E-08	2.86E-07	1.56E-08	3.02E-07	3.49E-08	1.76E-09	3.67E-08
766	437088.49	3725605.01	2.62E-07	1.22E-08	2.74E-07	5.53E-08	3.21E-09	5.85E-08	2.82E-07	1.52E-08	2.97E-07	3.43E-08	1.72E-09	3.60E-08

767	437083.34	3725596.89	2.57E-07	1.19E-08	2.69E-07	5.43E-08	3.13E-09	5.75E-08	2.77E-07	1.48E-08	2.92E-07	3.37E-08	1.68E-09	3.54E-08
768	437176.02	3725814.36	3.14E-07	1.57E-08	3.30E-07	6.64E-08	4.16E-09	7.05E-08	3.38E-07	1.97E-08	3.58E-07	4.14E-08	2.24E-09	4.36E-08
769	437170.93	3725806.34	3.11E-07	1.55E-08	3.26E-07	6.57E-08	4.10E-09	6.98E-08	3.34E-07	1.95E-08	3.54E-07	4.09E-08	2.21E-09	4.31E-08
770	437165.85	3725798.32	3.07E-07	1.53E-08	3.23E-07	6.50E-08	4.05E-09	6.90E-08	3.31E-07	1.92E-08	3.50E-07	4.05E-08	2.18E-09	4.26E-08
771	437160.77	3725790.31	3.04E-07	1.51E-08	3.19E-07	6.42E-08	3.99E-09	6.82E-08	3.27E-07	1.89E-08	3.46E-07	4.00E-08	2.14E-09	4.21E-08
772	437155.68	3725782.29	3.00E-07	1.48E-08	3.15E-07	6.34E-08	3.92E-09	6.73E-08	3.23E-07	1.86E-08	3.41E-07	3.95E-08	2.11E-09	4.16E-08
773	437125.18	3725734.19	2.73E-07	1.32E-08	2.87E-07	5.77E-08	3.47E-09	6.12E-08	2.94E-07	1.65E-08	3.11E-07	3.59E-08	1.86E-09	3.78E-08
774	437120.09	3725726.17	2.69E-07	1.29E-08	2.82E-07	5.68E-08	3.39E-09	6.01E-08	2.89E-07	1.61E-08	3.05E-07	3.53E-08	1.82E-09	3.71E-08
775	437115.01	3725718.15	2.64E-07	1.26E-08	2.77E-07	5.58E-08	3.32E-09	5.91E-08	2.84E-07	1.57E-08	3.00E-07	3.47E-08	1.78E-09	3.65E-08
776	437109.92	3725710.14	2.60E-07	1.23E-08	2.73E-07	5.50E-08	3.25E-09	5.82E-08	2.80E-07	1.54E-08	2.96E-07	3.41E-08	1.74E-09	3.59E-08
777	437104.84	3725702.12	2.57E-07	1.21E-08	2.69E-07	5.42E-08	3.19E-09	5.74E-08	2.76E-07	1.51E-08	2.92E-07	3.37E-08	1.71E-09	3.54E-08
778	437099.76	3725694.1	2.54E-07	1.19E-08	2.65E-07	5.35E-08	3.13E-09	5.66E-08	2.73E-07	1.48E-08	2.88E-07	3.32E-08	1.68E-09	3.49E-08
779	437094.67	3725686.08	2.50E-07	1.17E-08	2.62E-07	5.27E-08	3.07E-09	5.58E-08	2.69E-07	1.45E-08	2.83E-07	3.27E-08	1.64E-09	3.44E-08
780	437089.59	3725678.07	2.47E-07	1.15E-08	2.58E-07	5.20E-08	3.01E-09	5.50E-08	2.65E-07	1.43E-08	2.80E-07	3.23E-08	1.61E-09	3.39E-08
781	437084.5	3725670.05	2.43E-07	1.13E-08	2.55E-07	5.13E-08	2.95E-09	5.43E-08	2.62E-07	1.40E-08	2.76E-07	3.18E-08	1.58E-09	3.34E-08
782	437079.42	3725662.03	2.40E-07	1.11E-08	2.51E-07	5.07E-08	2.90E-09	5.36E-08	2.58E-07	1.37E-08	2.72E-07	3.14E-08	1.55E-09	3.30E-08
783	437059.08	3725629.96	2.28E-07	1.03E-08	2.39E-07	4.81E-08	2.70E-09	5.08E-08	2.46E-07	1.28E-08	2.58E-07	2.98E-08	1.44E-09	3.12E-08
784	437054	3725621.95	2.25E-07	1.01E-08	2.35E-07	4.74E-08	2.64E-09	5.01E-08	2.42E-07	1.25E-08	2.55E-07	2.94E-08	1.41E-09	3.08E-08
785	437048.92	3725613.93	2.22E-07	9.94E-09	2.32E-07	4.68E-08	2.59E-09	4.93E-08	2.39E-07	1.23E-08	2.51E-07	2.89E-08	1.39E-09	3.03E-08
786	437181.1	3725822.37	3.17E-07	1.59E-08	3.33E-07	6.70E-08	4.21E-09	7.12E-08	3.41E-07	2.00E-08	3.61E-07	4.18E-08	2.26E-09	4.40E-08
787	437188.49	3725828.65	3.24E-07	1.63E-08	3.40E-07	6.85E-08	4.33E-09	7.28E-08	3.49E-07	2.05E-08	3.69E-07	4.27E-08	2.33E-09	4.50E-08
788	437195.88	3725834.93	3.31E-07	1.67E-08	3.47E-07	6.99E-08	4.44E-09	7.44E-08	3.56E-07	2.11E-08	3.77E-07	4.36E-08	2.39E-09	4.60E-08
789	437203.27	3725841.21	3.38E-07	1.72E-08	3.55E-07	7.14E-08	4.56E-09	7.60E-08	3.63E-07	2.16E-08	3.85E-07	4.45E-08	2.45E-09	4.70E-08
790	437210.66	3725847.49	3.44E-07	1.76E-08	3.62E-07	7.29E-08	4.68E-09	7.76E-08	3.71E-07	2.22E-08	3.93E-07	4.55E-08	2.52E-09	4.80E-08
791	437218.05	3725853.77	3.51E-07	1.80E-08	3.69E-07	7.43E-08	4.79E-09	7.91E-08	3.78E-07	2.27E-08	4.00E-07	4.64E-08	2.58E-09	4.89E-08
792	437225.44	3725860.05	3.57E-07	1.84E-08	3.76E-07	7.56E-08	4.90E-09	8.05E-08	3.84E-07	2.32E-08	4.08E-07	4.72E-08	2.64E-09	4.98E-08
793	437232.83	3725866.33	3.63E-07	1.88E-08	3.82E-07	7.68E-08	5.00E-09	8.18E-08	3.91E-07	2.37E-08	4.14E-07	4.80E-08	2.69E-09	5.07E-08
794	437240.22	3725872.61	3.69E-07	1.91E-08	3.88E-07	7.80E-08	5.09E-09	8.31E-08	3.97E-07	2.41E-08	4.21E-07	4.87E-08	2.74E-09	5.15E-08
795	437247.6	3725878.89	3.74E-07	1.94E-08	3.94E-07	7.92E-08	5.18E-09	8.44E-08	4.03E-07	2.46E-08	4.27E-07	4.95E-08	2.79E-09	5.23E-08
796	437254.99	3725885.17	3.80E-07	1.98E-08	3.99E-07	8.04E-08	5.28E-09	8.57E-08	4.09E-07	2.50E-08	4.34E-07	5.02E-08	2.84E-09	5.31E-08
797	437262.38	3725891.45	3.85E-07	2.01E-08	4.05E-07	8.15E-08	5.37E-09	8.69E-08	4.14E-07	2.55E-08	4.40E-07	5.09E-08	2.89E-09	5.38E-08
798	437150.05	3725844.74	2.71E-07	1.30E-08	2.84E-07	5.71E-08	3.43E-09	6.06E-08	2.91E-07	1.62E-08	3.08E-07	3.55E-08	1.84E-09	3.73E-08
799	437144.91	3725836.63	2.68E-07	1.29E-08	2.81E-07	5.66E-08	3.39E-09	6.00E-08	2.89E-07	1.61E-08	3.05E-07	3.51E-08	1.82E-09	3.69E-08
800	437119.19	3725796.07	2.52E-07	1.19E-08	2.64E-07	5.32E-08	3.13E-09	5.63E-08	2.71E-07	1.48E-08	2.86E-07	3.30E-08	1.68E-09	3.47E-08
801	437114.04	3725787.95	2.48E-07	1.17E-08	2.60E-07	5.24E-08	3.07E-09	5.54E-08	2.67E-07	1.45E-08	2.82E-07	3.25E-08	1.64E-09	3.41E-08
802	437108.9	3725779.84	2.45E-07	1.15E-08	2.56E-07	5.16E-08	3.01E-09	5.46E-08	2.63E-07	1.42E-08	2.77E-07	3.20E-08	1.61E-09	3.36E-08
803	437103.75	3725771.73	2.41E-07	1.12E-08	2.52E-07	5.07E-08	2.94E-09	5.36E-08	2.59E-07	1.39E-08	2.73E-07	3.14E-08	1.57E-09	3.30E-08
804	437072.88	3725723.05	2.20E-07	1.00E-08	2.30E-07	4.64E-08	2.61E-09	4.90E-08	2.37E-07	1.24E-08	2.49E-07	2.87E-08	1.40E-09	3.01E-08
805	437052.31	3725690.6	2.11E-07	9.43E-09	2.20E-07	4.44E-08	2.46E-09	4.68E-08	2.27E-07	1.16E-08	2.38E-07	2.74E-08	1.31E-09	2.87E-08
806	437047.16	3725682.49	2.09E-07	9.30E-09	2.18E-07	4.39E-08	2.42E-09	4.63E-08	2.24E-07	1.15E-08	2.36E-07	2.71E-08	1.29E-09	2.84E-08
807	437042.02	3725674.38	2.06E-07	9.17E-09	2.16E-07	4.34E-08	2.38E-09	4.58E-08	2.22E-07	1.13E-08	2.33E-07	2.68E-08	1.27E-09	2.81E-08
808	437036.87	3725666.27	2.04E-07	9.03E-09	2.13E-07	4.30E-08	2.35E-09	4.53E-08	2.20E-07	1.11E-08	2.31E-07	2.65E-08	1.25E-09	2.78E-08
809	437031.73	3725658.15	2.02E-07	8.89E-09	2.11E-07	4.24E-08	2.31E-09	4.48E-08	2.17E-07	1.09E-08	2.28E-07	2.62E-08	1.23E-09	2.74E-08
810	437026.58	3725650.04	1.99E-07	8.74E-09	2.08E-07	4.19E-08	2.27E-09	4.42E-08	2.14E-07	1.07E-08	2.25E-07	2.59E-08	1.21E-09	2.71E-08
811	437155.2	3725852.85	2.73E-07	1.32E-08	2.86E-07	5.76E-08	3.47E-09	6.11E-08	2.94E-07	1.64E-08	3.10E-07	3.58E-08	1.86E-09	3.76E-08
812	437162.59	3725859.13	2.79E-07	1.35E-08	2.92E-07	5.88E-08	3.55E-09	6.24E-08	3.00E-07	1.68E-08	3.17E-07	3.65E-08	1.91E-09	3.84E-08
813	437169.98	3725865.41	2.84E-07	1.38E-08	2.98E-07	6.00E-08	3.64E-09	6.36E-08	3.06E-07	1.73E-08	3.23E-07	3.72E-08	1.95E-09	3.92E-08
814	437177.37	3725871.69	2.90E-07	1.41E-08	3.04E-07	6.11E-08	3.73E-09	6.48E-08	3.12E-07	1.77E-08	3.29E-07	3.80E-08	2.00E-09	4.00E-08
815	437184.76	3725877.97	2.95E-07	1.45E-08	3.09E-07	6.22E-08	3.82E-09	6.61E-08	3.17E-07	1.81E-08	3.35E-07	3.87E-08	2.05E-09	4.07E-08
816	437192.14	3725884.25	3.00E-07	1.48E-08	3.15E-07	6.33E-08	3.90E-09	6.72E-08	3.23E-07	1.85E-08	3.41E-07	3.94E-08	2.10E-09	4.15E-08
817	437199.53	3725890.53	3.05E-07	1.51E-08	3.20E-07	6.44E-08	3.98E-09	6.84E-08	3.28E-07	1.89E-08	3.47E-07	4.00E-08	2.14E-09	4.22E-08
818	437206.92	3725896.81	3.10E-07	1.53E-08	3.25E-07	6.54E-08	4.06E-09	6.95E-08	3.33E-07	1.92E-08	3.52E-07	4.07E-08	2.18E-09	4.28E-08
819	437214.31	3725903.09	3.14E-07	1.56E-08	3.30E-07	6.64E-08	4.13E-09	7.05E-08	3.38E-07	1.96E-08	3.58E-07	4.13E-08	2.22E-09	4.35E-08
820	437221.7	3725909.37	3.19E-07	1.59E-08	3.35E-07	6.73E-08	4.20E-09	7.15E-08	3.43E-07	1.99E-08	3.63E-07	4.19E-08	2.26E-09	4.41E-08
821	437229.09	3725915.65	3.23E-07	1.61E-08	3.39E-07	6.83E-08	4.28E-09	7.25E-08	3.48E-07	2.03E-08	3.68E-07	4.25E-08	2.30E-09	4.48E-08
822	437236.48	3725921.93	3.28E-07	1.64E-08	3.44E-07	6.92E-08	4.35E-09	7.36E-08	3.53E-07	2.06E-08	3.73E-07	4.31E-08	2.34E-09	4.54E-08
823	437124.21	3725875.32	2.37E-07	1.10E-08	2.48E-07	4.98E-08	2.87E-09	5.27E-08	2.54E-07	1.36E-08	2.68E-07	3.08E-08	1.54E-09	3.23E-08
824	437119.13	3725867.3	2.35E-07	1.09E-08	2.46E-07	4.94E-08	2.84E-09	5.22E-08	2.52E-07	1.35E-08	2.66E-07	3.05E-08	1.52E-09	3.21E-08
825	437114.04	3725859.28	2.33E-07	1.07E-08	2.43E-07	4.90E-08	2.81E-09	5.18E-08	2.50E-07	1.33E-08	2.63E-07	3.03E-08	1.50E-09	3.18E-08
826	437108.96	3725851.26	2.30E-07	1.06E-08	2.41E-07	4.85E-08	2.78E-09	5.13E-08	2.48E-07	1.32E-08	2.61E-07	3.00E-08	1.49E-09	3.15E-08
827	437103.87	3725843.25	2.28E-07	1.05E-08	2.38E-07	4.79E-08	2.74E-09	5.07E-08	2.45E-07	1.30E-08	2.58E-07	2.96E-08	1.46E-09	3.11E-08
828	437098.79	3725835.23	2.25E-07	1.03E-08	2.35E-07	4.73E-08	2.69E-09	5.00E-08	2.42E-07	1.28E-08	2.55E-07	2.93E-08	1.44E-09	3.07E-08
829	437093.71	3725827.21	2.22E-07	1.01E-08	2.32E-07	4.66E-08	2.64E-09	4.93E-08	2.38E-07	1.25E-08	2.51E-07	2.88E-08	1.41E-09	3.02E-08
830	437088.62	3725819.2	2.19E-07	9.95E-09	2.29E-07	4.60E-08	2.59E-09	4.86E-08	2.35E-07	1.23E-08	2.47E-07	2.84E-08	1.39E-09	2.98E-08
831	437027.61	3725722.99	1.90E-07	8.33E-09	1.99E-07	4.00E-08	2.16E-09	4.22E-08	2.05E-07	1.02E-08	2.15E-07	2.47E-08	1.15E-09	2.58E-08
832	437022.53	3725714.97	1.89E-07	8.23E-09	1.97E-07	3.97E-08	2.13E-09	4.18E-08	2.03E-07	1.01E-08	2.13E-07	2.44E-08	1.14E-09	2.56E-08
833	437017.44	3725706.96	1.87E-07	8.11E-09	1.95E-07	3.92E-08	2.10E-09	4.13E-08	2.01E-07	9.95E-09	2.11E-07	2.42E-08	1.12E-09	2.53E-08
834	437012.36	3725698.94	1.85E-07	8.00E-09	1.93E-07	3.88E-08	2.07E-09	4.09E-08	1.99E-07	9.81E-09	2.08E-07	2.39E-08	1.10E-09	2.50E-08
835	437007.28	3725690.92	1.83E-07	7.89E-09	1.91E-07	3.84E-08	2.04E-09	4.04E-08	1.96E-07	9.66E-09	2.06E-07	2.36E-08	1.09E-09	2.47E-08
836	437002.19	3725682.91	1.81E-07	7.78E-09	1.89E-07	3.80E-08	2.01E-09	4.00E-08	1.94E-07	9.53E-09	2.04E-07	2.34E-08	1.07E-09	2.45E-08
837	436997.11	3725674.89	1.79E-07	7.67E-09	1.87E-07	3.76E-08	1.98E-09	3.96E-08	1.92E-07	9.39E-09	2.02E-07	2.32E-08	1.06E-09	2.42E-08
838	436992.02	3725666.87	1.77E-07	7.56E-09	1.85E-07	3.72E-08	1.95E-09	3.91E-08	1.90E-07	9.25E-09	2.00E-07	2.29E-08	1.04E-09	2.39E-08
839	436986.94	3725658.85	1.75E-07	7.45E-09	1.83E-07	3.68E-08	1.92E-09	3.87E-08	1.88E-07	9.11E-09	1.97E-07	2.26E-08	1.02E-09	2.37E-08
840	436981.85	3725650.84	1.73E-07	7.35E-09	1.80E-07	3.63E-08	1.89E-09	3.82E-08	1.86E-07	8.97E-09	1.95E-07	2.24E-08	1.01E-09	2.34E-08
841	436936.1	3725578.68	1.53E-07	6.30E-09	1.60E-07	3.21E-08	1.61E-09	3.38E-08	1.65E-07	7.65E-09	1.72E-07	1.97E-08	8.57E-10	2.06E-08
842	436931.01	3725570.67	1.51E-07	6.20E-09	1.58E-07	3.17E-08	1.59E-09	3.33E-08	1.63E-07	7.52E-09	1.70E-07	1.95E-08	8.43E-10	2.03E-08
843	437129.29	3725883.33	2.39E-07	1.11E-08	2.50E-07	5.02E-08	2.90E-09	5.31E-08	2.56E-07	1.37E-08	2.70E-07	3.11E-08	1.55E-09	3.26E-08

844	437136.68	3725889.61	2.43E-07	1.13E-08	2.54E-07	5.12E-08	2.97E-09	5.41E-08	2.61E-07	1.41E-08	2.75E-07	3.17E-08	1.59E-09	3.32E-08
845	437144.07	3725895.89	2.47E-07	1.16E-08	2.59E-07	5.21E-08	3.04E-09	5.51E-08	2.66E-07	1.44E-08	2.80E-07	3.22E-08	1.63E-09	3.39E-08
846	437151.46	3725902.17	2.52E-07	1.19E-08	2.64E-07	5.31E-08	3.11E-09	5.62E-08	2.71E-07	1.47E-08	2.86E-07	3.28E-08	1.67E-09	3.45E-08
847	437158.85	3725908.45	2.56E-07	1.21E-08	2.69E-07	5.40E-08	3.18E-09	5.72E-08	2.76E-07	1.51E-08	2.91E-07	3.34E-08	1.70E-09	3.51E-08
848	437166.24	3725914.73	2.61E-07	1.24E-08	2.73E-07	5.49E-08	3.25E-09	5.82E-08	2.80E-07	1.54E-08	2.96E-07	3.40E-08	1.74E-09	3.58E-08
849	437173.63	3725921.01	2.65E-07	1.26E-08	2.77E-07	5.58E-08	3.31E-09	5.91E-08	2.85E-07	1.57E-08	3.00E-07	3.46E-08	1.77E-09	3.63E-08
850	437181.02	3725927.29	2.69E-07	1.28E-08	2.82E-07	5.66E-08	3.37E-09	6.00E-08	2.89E-07	1.60E-08	3.05E-07	3.51E-08	1.81E-09	3.69E-08
851	437188.41	3725933.57	2.72E-07	1.30E-08	2.85E-07	5.74E-08	3.43E-09	6.08E-08	2.93E-07	1.62E-08	3.09E-07	3.56E-08	1.84E-09	3.74E-08
852	437195.8	3725939.85	2.76E-07	1.33E-08	2.89E-07	5.82E-08	3.48E-09	6.17E-08	2.97E-07	1.65E-08	3.13E-07	3.61E-08	1.87E-09	3.79E-08
853	437203.19	3725946.13	2.80E-07	1.35E-08	2.93E-07	5.90E-08	3.54E-09	6.25E-08	3.01E-07	1.68E-08	3.18E-07	3.66E-08	1.90E-09	3.85E-08
854	437210.57	3725952.41	2.84E-07	1.37E-08	2.97E-07	5.98E-08	3.60E-09	6.34E-08	3.05E-07	1.71E-08	3.22E-07	3.71E-08	1.93E-09	3.90E-08
855	437098.25	3725905.71	2.09E-07	9.39E-09	2.18E-07	4.39E-08	2.44E-09	4.63E-08	2.25E-07	1.16E-08	2.36E-07	2.71E-08	1.30E-09	2.84E-08
856	437093.11	3725897.61	2.07E-07	9.29E-09	2.16E-07	4.35E-08	2.41E-09	4.59E-08	2.23E-07	1.14E-08	2.34E-07	2.68E-08	1.29E-09	2.81E-08
857	437087.98	3725889.5	2.05E-07	9.18E-09	2.14E-07	4.31E-08	2.39E-09	4.55E-08	2.20E-07	1.13E-08	2.32E-07	2.66E-08	1.27E-09	2.78E-08
858	437082.84	3725881.4	2.03E-07	9.07E-09	2.12E-07	4.27E-08	2.36E-09	4.50E-08	2.18E-07	1.12E-08	2.29E-07	2.63E-08	1.26E-09	2.76E-08
859	437077.7	3725873.3	2.01E-07	8.96E-09	2.10E-07	4.22E-08	2.33E-09	4.46E-08	2.16E-07	1.10E-08	2.27E-07	2.60E-08	1.24E-09	2.73E-08
860	437072.56	3725865.2	1.99E-07	8.85E-09	2.08E-07	4.18E-08	2.30E-09	4.41E-08	2.14E-07	1.09E-08	2.25E-07	2.58E-08	1.23E-09	2.70E-08
861	437067.42	3725857.1	1.97E-07	8.74E-09	2.06E-07	4.14E-08	2.27E-09	4.37E-08	2.12E-07	1.07E-08	2.23E-07	2.55E-08	1.21E-09	2.67E-08
862	437062.28	3725848.99	1.95E-07	8.63E-09	2.04E-07	4.10E-08	2.24E-09	4.32E-08	2.10E-07	1.06E-08	2.20E-07	2.52E-08	1.19E-09	2.64E-08
863	437057.15	3725840.89	1.93E-07	8.51E-09	2.01E-07	4.05E-08	2.21E-09	4.27E-08	2.07E-07	1.05E-08	2.18E-07	2.50E-08	1.18E-09	2.62E-08
864	437052.01	3725832.79	1.91E-07	8.39E-09	1.99E-07	4.01E-08	2.18E-09	4.22E-08	2.05E-07	1.03E-08	2.15E-07	2.47E-08	1.16E-09	2.58E-08
865	437046.87	3725824.69	1.89E-07	8.27E-09	1.97E-07	3.96E-08	2.14E-09	4.17E-08	2.03E-07	1.01E-08	2.13E-07	2.44E-08	1.14E-09	2.55E-08
866	437041.73	3725816.58	1.86E-07	8.15E-09	1.95E-07	3.91E-08	2.11E-09	4.12E-08	2.00E-07	1.00E-08	2.10E-07	2.41E-08	1.13E-09	2.52E-08
867	437036.59	3725808.48	1.84E-07	8.03E-09	1.92E-07	3.87E-08	2.08E-09	4.08E-08	1.98E-07	9.85E-09	2.08E-07	2.38E-08	1.11E-09	2.49E-08
868	437031.46	3725800.38	1.82E-07	7.92E-09	1.90E-07	3.83E-08	2.05E-09	4.03E-08	1.96E-07	9.71E-09	2.06E-07	2.36E-08	1.09E-09	2.47E-08
869	437026.32	3725792.28	1.80E-07	7.81E-09	1.88E-07	3.78E-08	2.02E-09	3.99E-08	1.94E-07	9.57E-09	2.03E-07	2.33E-08	1.08E-09	2.44E-08
870	437021.18	3725784.17	1.78E-07	7.71E-09	1.86E-07	3.74E-08	1.99E-09	3.94E-08	1.92E-07	9.44E-09	2.01E-07	2.31E-08	1.06E-09	2.41E-08
871	437016.04	3725776.07	1.77E-07	7.62E-09	1.84E-07	3.71E-08	1.97E-09	3.91E-08	1.90E-07	9.33E-09	1.99E-07	2.28E-08	1.05E-09	2.39E-08
872	437010.9	3725767.97	1.76E-07	7.56E-09	1.83E-07	3.69E-08	1.95E-09	3.88E-08	1.89E-07	9.25E-09	1.98E-07	2.27E-08	1.04E-09	2.37E-08
873	437005.76	3725759.87	1.75E-07	7.49E-09	1.82E-07	3.66E-08	1.93E-09	3.86E-08	1.88E-07	9.17E-09	1.97E-07	2.25E-08	1.03E-09	2.36E-08
874	436974.93	3725711.25	1.66E-07	7.00E-09	1.73E-07	3.47E-08	1.80E-09	3.66E-08	1.78E-07	8.53E-09	1.87E-07	2.14E-08	9.58E-10	2.23E-08
875	436969.8	3725703.15	1.64E-07	6.91E-09	1.71E-07	3.44E-08	1.78E-09	3.62E-08	1.76E-07	8.42E-09	1.85E-07	2.12E-08	9.45E-10	2.21E-08
876	436964.66	3725695.05	1.62E-07	6.82E-09	1.69E-07	3.41E-08	1.75E-09	3.58E-08	1.75E-07	8.31E-09	1.83E-07	2.09E-08	9.33E-10	2.19E-08
877	436959.52	3725686.94	1.61E-07	6.73E-09	1.68E-07	3.37E-08	1.73E-09	3.54E-08	1.73E-07	8.19E-09	1.81E-07	2.07E-08	9.19E-10	2.16E-08
878	436954.38	3725678.84	1.59E-07	6.65E-09	1.66E-07	3.34E-08	1.71E-09	3.51E-08	1.71E-07	8.09E-09	1.79E-07	2.05E-08	9.08E-10	2.14E-08
879	436903	3725597.82	1.38E-07	5.58E-09	1.44E-07	2.89E-08	1.42E-09	3.04E-08	1.49E-07	6.74E-09	1.55E-07	1.77E-08	7.54E-10	1.85E-08
880	436897.86	3725589.72	1.37E-07	5.49E-09	1.42E-07	2.86E-08	1.40E-09	3.00E-08	1.47E-07	6.63E-09	1.53E-07	1.75E-08	7.42E-10	1.82E-08
881	436892.72	3725581.61	1.35E-07	5.40E-09	1.40E-07	2.82E-08	1.37E-09	2.96E-08	1.45E-07	6.51E-09	1.51E-07	1.73E-08	7.29E-10	1.80E-08
882	436887.58	3725573.51	1.33E-07	5.32E-09	1.38E-07	2.78E-08	1.35E-09	2.92E-08	1.43E-07	6.41E-09	1.49E-07	1.70E-08	7.17E-10	1.77E-08
883	437103.39	3725913.81	2.11E-07	9.49E-09	2.20E-07	4.43E-08	2.47E-09	4.67E-08	2.26E-07	1.17E-08	2.38E-07	2.73E-08	1.32E-09	2.86E-08
884	437110.78	3725920.09	2.14E-07	9.69E-09	2.24E-07	4.50E-08	2.52E-09	4.76E-08	2.30E-07	1.20E-08	2.42E-07	2.78E-08	1.35E-09	2.91E-08
885	437118.17	3725926.37	2.18E-07	9.90E-09	2.28E-07	4.59E-08	2.58E-09	4.84E-08	2.35E-07	1.22E-08	2.47E-07	2.83E-08	1.38E-09	2.97E-08
886	437125.56	3725932.65	2.22E-07	1.01E-08	2.32E-07	4.66E-08	2.63E-09	4.93E-08	2.39E-07	1.25E-08	2.51E-07	2.88E-08	1.41E-09	3.02E-08
887	437132.95	3725938.93	2.25E-07	1.03E-08	2.36E-07	4.74E-08	2.69E-09	5.01E-08	2.42E-07	1.27E-08	2.55E-07	2.93E-08	1.44E-09	3.07E-08
888	437140.34	3725945.21	2.29E-07	1.05E-08	2.39E-07	4.81E-08	2.74E-09	5.08E-08	2.46E-07	1.30E-08	2.59E-07	2.97E-08	1.46E-09	3.12E-08
889	437147.72	3725951.49	2.32E-07	1.07E-08	2.43E-07	4.88E-08	2.78E-09	5.15E-08	2.49E-07	1.32E-08	2.62E-07	3.01E-08	1.49E-09	3.16E-08
890	437155.11	3725957.77	2.35E-07	1.08E-08	2.46E-07	4.94E-08	2.83E-09	5.23E-08	2.53E-07	1.34E-08	2.66E-07	3.05E-08	1.51E-09	3.20E-08
891	437162.5	3725964.05	2.38E-07	1.10E-08	2.49E-07	5.01E-08	2.88E-09	5.30E-08	2.56E-07	1.36E-08	2.70E-07	3.09E-08	1.54E-09	3.25E-08
892	437169.89	3725970.33	2.41E-07	1.12E-08	2.52E-07	5.07E-08	2.92E-09	5.36E-08	2.59E-07	1.38E-08	2.73E-07	3.13E-08	1.56E-09	3.29E-08
893	437177.28	3725976.61	2.44E-07	1.13E-08	2.55E-07	5.13E-08	2.96E-09	5.43E-08	2.62E-07	1.40E-08	2.76E-07	3.17E-08	1.58E-09	3.33E-08
894	437184.67	3725982.89	2.47E-07	1.15E-08	2.58E-07	5.19E-08	3.00E-09	5.49E-08	2.65E-07	1.42E-08	2.79E-07	3.21E-08	1.61E-09	3.37E-08
895	437072.3	3725936.11	1.89E-07	8.28E-09	1.97E-07	3.96E-08	2.14E-09	4.18E-08	2.03E-07	1.02E-08	2.13E-07	2.44E-08	1.14E-09	2.55E-08
896	437067.11	3725927.93	1.87E-07	8.19E-09	1.95E-07	3.93E-08	2.12E-09	4.14E-08	2.01E-07	1.00E-08	2.11E-07	2.42E-08	1.13E-09	2.53E-08
897	437061.92	3725919.75	1.86E-07	8.11E-09	1.94E-07	3.90E-08	2.10E-09	4.11E-08	2.00E-07	9.94E-09	2.10E-07	2.40E-08	1.12E-09	2.51E-08
898	437056.73	3725911.57	1.84E-07	8.03E-09	1.92E-07	3.86E-08	2.07E-09	4.07E-08	1.98E-07	9.83E-09	2.08E-07	2.38E-08	1.11E-09	2.49E-08
899	437051.55	3725903.39	1.82E-07	7.93E-09	1.90E-07	3.83E-08	2.05E-09	4.03E-08	1.96E-07	9.71E-09	2.06E-07	2.35E-08	1.09E-09	2.46E-08
900	437046.36	3725895.21	1.81E-07	7.84E-09	1.88E-07	3.79E-08	2.02E-09	3.99E-08	1.94E-07	9.60E-09	2.04E-07	2.33E-08	1.08E-09	2.44E-08
901	437041.17	3725887.03	1.79E-07	7.75E-09	1.87E-07	3.75E-08	2.00E-09	3.96E-08	1.92E-07	9.49E-09	2.02E-07	2.31E-08	1.07E-09	2.42E-08
902	437035.98	3725878.85	1.77E-07	7.67E-09	1.85E-07	3.72E-08	1.98E-09	3.92E-08	1.91E-07	9.38E-09	2.00E-07	2.29E-08	1.05E-09	2.39E-08
903	437030.79	3725870.66	1.76E-07	7.57E-09	1.83E-07	3.68E-08	1.95E-09	3.88E-08	1.89E-07	9.26E-09	1.98E-07	2.26E-08	1.04E-09	2.37E-08
904	437025.61	3725862.48	1.74E-07	7.47E-09	1.81E-07	3.64E-08	1.93E-09	3.84E-08	1.87E-07	9.13E-09	1.96E-07	2.24E-08	1.03E-09	2.34E-08
905	437020.42	3725854.3	1.72E-07	7.37E-09	1.79E-07	3.60E-08	1.90E-09	3.79E-08	1.85E-07	9.01E-09	1.94E-07	2.22E-08	1.01E-09	2.32E-08
906	437015.23	3725846.12	1.70E-07	7.28E-09	1.77E-07	3.57E-08	1.88E-09	3.76E-08	1.83E-07	8.89E-09	1.92E-07	2.19E-08	9.99E-10	2.29E-08
907	437010.04	3725837.94	1.69E-07	7.20E-09	1.76E-07	3.53E-08	1.85E-09	3.72E-08	1.81E-07	8.78E-09	1.90E-07	2.17E-08	9.87E-10	2.27E-08
908	437004.86	3725829.76	1.67E-07	7.13E-09	1.74E-07	3.51E-08	1.83E-09	3.69E-08	1.80E-07	8.70E-09	1.88E-07	2.16E-08	9.77E-10	2.25E-08
909	436999.67	3725821.58	1.66E-07	7.06E-09	1.73E-07	3.48E-08	1.82E-09	3.66E-08	1.79E-07	8.62E-09	1.87E-07	2.14E-08	9.68E-10	2.24E-08
910	436994.48	3725813.4	1.65E-07	7.01E-09	1.72E-07	3.46E-08	1.80E-09	3.64E-08	1.77E-07	8.55E-09	1.86E-07	2.13E-08	9.60E-10	2.22E-08
911	436989.29	3725805.22	1.64E-07	6.95E-09	1.71E-07	3.44E-08	1.79E-09	3.62E-08	1.76E-07	8.48E-09	1.85E-07	2.11E-08	9.52E-10	2.21E-08
912	436984.1	3725797.04	1.63E-07	6.87E-09	1.69E-07	3.41E-08	1.77E-09	3.59E-08	1.75E-07	8.38E-09	1.83E-07	2.09E-08	9.41E-10	2.19E-08
913	436978.92	3725788.86	1.61E-07	6.79E-09	1.68E-07	3.38E-08	1.75E-09	3.55E-08	1.73E-07	8.27E-09	1.81E-07	2.07E-08	9.29E-10	2.17E-08
914	436973.73	3725780.68	1.59E-07	6.70E-09	1.66E-07	3.34E-08	1.72E-09	3.51E-08	1.71E-07	8.16E-09	1.79E-07	2.05E-08	9.16E-10	2.14E-08
915	436968.54	3725772.5	1.58E-07	6.62E-09	1.65E-07	3.31E-08	1.70E-09	3.48E-08	1.70E-07	8.06E-09	1.78E-07	2.03E-08	9.05E-10	2.12E-08
916	436963.35	3725764.32	1.57E-07	6.55E-09	1.63E-07	3.28E-08	1.68E-09	3.45E-08	1.68E-07	7.97E-09	1.76E-07	2.02E-08	8.94E-10	2.10E-08
917	436958.16	3725756.13	1.55E-07	6.48E-09	1.62E-07	3.25E-08	1.66E-09	3.42E-08	1.67E-07	7.88E-09	1.75E-07	2.00E-08	8.84E-10	2.09E-08
918	436927.04	3725707.05	1.48E-07	6.06E-09	1.54E-07	3.09E-08	1.55E-09	3.24E-08	1.59E-07	7.35E-09	1.66E-07	1.89E-08	8.24E-10	1.98E-08
919	436921.85	3725698.87	1.47E-07	6.02E-09	1.53E-07	3.07E-08	1.54E-09	3.22E-08	1.58E-07	7.29E-09	1.65E-07	1.88E-08	8.17E-10	1.96E-08
920	436875.16	3725625.24	1.28E-07	5.07E-09	1.33E-07	2.67E-08	1.29E-09	2.80E-08	1.37E-07	6.10E-09	1.43E-07	1.63E-08	6.82E-10	1.70E-08

921	436869.97	3725617.06	1.26E-07	5.00E-09	1.31E-07	2.63E-08	1.27E-09	2.76E-08	1.35E-07	6.01E-09	1.41E-07	1.61E-08	6.72E-10	1.68E-08
922	436864.78	3725608.88	1.25E-07	4.93E-09	1.29E-07	2.60E-08	1.25E-09	2.73E-08	1.34E-07	5.93E-09	1.40E-07	1.59E-08	6.62E-10	1.66E-08
923	436859.59	3725600.7	1.23E-07	4.86E-09	1.28E-07	2.57E-08	1.23E-09	2.70E-08	1.32E-07	5.84E-09	1.38E-07	1.57E-08	6.53E-10	1.64E-08
924	436854.41	3725592.52	1.22E-07	4.80E-09	1.26E-07	2.54E-08	1.22E-09	2.67E-08	1.31E-07	5.76E-09	1.36E-07	1.55E-08	6.44E-10	1.62E-08
925	436849.22	3725584.34	1.20E-07	4.73E-09	1.25E-07	2.51E-08	1.20E-09	2.63E-08	1.29E-07	5.67E-09	1.35E-07	1.54E-08	6.34E-10	1.60E-08
926	436844.03	3725576.16	1.19E-07	4.66E-09	1.23E-07	2.48E-08	1.18E-09	2.60E-08	1.27E-07	5.58E-09	1.33E-07	1.52E-08	6.24E-10	1.58E-08
927	436838.84	3725567.98	1.17E-07	4.59E-09	1.22E-07	2.45E-08	1.16E-09	2.57E-08	1.26E-07	5.50E-09	1.31E-07	1.50E-08	6.14E-10	1.56E-08
928	437077.49	3725944.29	1.90E-07	8.36E-09	1.99E-07	3.99E-08	2.16E-09	4.21E-08	2.05E-07	1.02E-08	2.15E-07	2.46E-08	1.15E-09	2.57E-08
929	437084.88	3725950.57	1.93E-07	8.51E-09	2.02E-07	4.06E-08	2.20E-09	4.28E-08	2.08E-07	1.04E-08	2.18E-07	2.50E-08	1.18E-09	2.61E-08
930	437092.26	3725956.85	1.96E-07	8.67E-09	2.05E-07	4.12E-08	2.24E-09	4.34E-08	2.11E-07	1.06E-08	2.21E-07	2.53E-08	1.20E-09	2.65E-08
931	437099.65	3725963.13	1.99E-07	8.82E-09	2.08E-07	4.18E-08	2.29E-09	4.40E-08	2.14E-07	1.08E-08	2.25E-07	2.57E-08	1.22E-09	2.69E-08
932	437107.04	3725969.41	2.02E-07	8.96E-09	2.10E-07	4.23E-08	2.32E-09	4.46E-08	2.17E-07	1.10E-08	2.28E-07	2.60E-08	1.24E-09	2.73E-08
933	437114.43	3725975.69	2.04E-07	9.09E-09	2.13E-07	4.28E-08	2.36E-09	4.52E-08	2.19E-07	1.12E-08	2.30E-07	2.64E-08	1.26E-09	2.76E-08
934	437121.82	3725981.97	2.06E-07	9.22E-09	2.16E-07	4.33E-08	2.39E-09	4.57E-08	2.22E-07	1.13E-08	2.33E-07	2.67E-08	1.28E-09	2.80E-08
935	437129.21	3725988.25	2.09E-07	9.34E-09	2.18E-07	4.38E-08	2.42E-09	4.62E-08	2.24E-07	1.15E-08	2.36E-07	2.70E-08	1.29E-09	2.83E-08
936	437136.6	3725994.53	2.11E-07	9.46E-09	2.20E-07	4.43E-08	2.45E-09	4.67E-08	2.27E-07	1.16E-08	2.38E-07	2.73E-08	1.31E-09	2.86E-08
937	437143.99	3726000.81	2.13E-07	9.59E-09	2.23E-07	4.48E-08	2.49E-09	4.73E-08	2.29E-07	1.18E-08	2.41E-07	2.76E-08	1.33E-09	2.89E-08
938	437151.38	3726007.09	2.16E-07	9.74E-09	2.26E-07	4.54E-08	2.53E-09	4.79E-08	2.32E-07	1.20E-08	2.44E-07	2.80E-08	1.35E-09	2.93E-08
939	437158.77	3726013.37	2.19E-07	9.87E-09	2.29E-07	4.59E-08	2.57E-09	4.85E-08	2.35E-07	1.22E-08	2.47E-07	2.83E-08	1.37E-09	2.97E-08
940	437046.45	3725966.68	1.78E-07	7.66E-09	1.85E-07	3.72E-08	1.97E-09	3.92E-08	1.91E-07	9.36E-09	2.00E-07	2.29E-08	1.05E-09	2.39E-08
941	437041.32	3725958.58	1.76E-07	7.58E-09	1.84E-07	3.69E-08	1.95E-09	3.88E-08	1.89E-07	9.26E-09	1.98E-07	2.27E-08	1.04E-09	2.37E-08
942	437036.18	3725950.49	1.74E-07	7.49E-09	1.82E-07	3.65E-08	1.93E-09	3.84E-08	1.87E-07	9.14E-09	1.96E-07	2.24E-08	1.03E-09	2.34E-08
943	437031.05	3725942.39	1.72E-07	7.39E-09	1.80E-07	3.61E-08	1.90E-09	3.80E-08	1.85E-07	9.02E-09	1.94E-07	2.22E-08	1.01E-09	2.32E-08
944	437025.92	3725934.3	1.71E-07	7.30E-09	1.78E-07	3.58E-08	1.88E-09	3.76E-08	1.83E-07	8.91E-09	1.92E-07	2.20E-08	1.00E-09	2.30E-08
945	437020.78	3725926.2	1.69E-07	7.22E-09	1.76E-07	3.54E-08	1.86E-09	3.73E-08	1.82E-07	8.81E-09	1.90E-07	2.18E-08	9.89E-10	2.27E-08
946	437015.65	3725918.11	1.67E-07	7.13E-09	1.74E-07	3.51E-08	1.83E-09	3.69E-08	1.80E-07	8.69E-09	1.88E-07	2.15E-08	9.76E-10	2.25E-08
947	437010.52	3725910.02	1.66E-07	7.04E-09	1.73E-07	3.47E-08	1.81E-09	3.65E-08	1.78E-07	8.58E-09	1.86E-07	2.13E-08	9.63E-10	2.23E-08
948	437005.38	3725901.92	1.64E-07	6.95E-09	1.71E-07	3.43E-08	1.79E-09	3.61E-08	1.76E-07	8.46E-09	1.84E-07	2.11E-08	9.50E-10	2.20E-08
949	437000.25	3725893.83	1.62E-07	6.86E-09	1.69E-07	3.40E-08	1.76E-09	3.57E-08	1.74E-07	8.35E-09	1.83E-07	2.08E-08	9.38E-10	2.18E-08
950	436995.12	3725885.73	1.61E-07	6.78E-09	1.67E-07	3.36E-08	1.74E-09	3.54E-08	1.73E-07	8.25E-09	1.81E-07	2.06E-08	9.26E-10	2.16E-08
951	436989.99	3725877.64	1.59E-07	6.70E-09	1.66E-07	3.33E-08	1.72E-09	3.50E-08	1.71E-07	8.15E-09	1.79E-07	2.04E-08	9.15E-10	2.14E-08
952	436984.85	3725869.55	1.57E-07	6.61E-09	1.64E-07	3.30E-08	1.70E-09	3.46E-08	1.69E-07	8.04E-09	1.77E-07	2.02E-08	9.02E-10	2.11E-08
953	436979.72	3725861.45	1.56E-07	6.53E-09	1.62E-07	3.26E-08	1.68E-09	3.43E-08	1.67E-07	7.94E-09	1.75E-07	2.00E-08	8.91E-10	2.09E-08
954	436974.59	3725853.36	1.54E-07	6.46E-09	1.61E-07	3.24E-08	1.66E-09	3.40E-08	1.66E-07	7.85E-09	1.74E-07	1.98E-08	8.81E-10	2.07E-08
955	436969.45	3725845.26	1.53E-07	6.39E-09	1.59E-07	3.21E-08	1.64E-09	3.37E-08	1.65E-07	7.76E-09	1.72E-07	1.97E-08	8.71E-10	2.05E-08
956	436964.32	3725837.17	1.52E-07	6.32E-09	1.58E-07	3.18E-08	1.62E-09	3.34E-08	1.63E-07	7.68E-09	1.71E-07	1.95E-08	8.61E-10	2.04E-08
957	436959.19	3725829.07	1.51E-07	6.27E-09	1.57E-07	3.16E-08	1.61E-09	3.32E-08	1.62E-07	7.61E-09	1.70E-07	1.94E-08	8.53E-10	2.02E-08
958	436954.05	3725820.98	1.50E-07	6.21E-09	1.56E-07	3.13E-08	1.59E-09	3.29E-08	1.61E-07	7.54E-09	1.68E-07	1.92E-08	8.45E-10	2.01E-08
959	436948.92	3725812.89	1.49E-07	6.15E-09	1.55E-07	3.11E-08	1.58E-09	3.27E-08	1.60E-07	7.47E-09	1.67E-07	1.91E-08	8.37E-10	1.99E-08
960	436943.79	3725804.79	1.47E-07	6.09E-09	1.54E-07	3.09E-08	1.56E-09	3.24E-08	1.58E-07	7.39E-09	1.66E-07	1.89E-08	8.29E-10	1.98E-08
961	436938.66	3725796.7	1.46E-07	6.02E-09	1.52E-07	3.06E-08	1.54E-09	3.21E-08	1.57E-07	7.30E-09	1.64E-07	1.87E-08	8.18E-10	1.96E-08
962	436933.52	3725788.6	1.45E-07	5.95E-09	1.51E-07	3.03E-08	1.52E-09	3.18E-08	1.55E-07	7.21E-09	1.63E-07	1.86E-08	8.08E-10	1.94E-08
963	436928.39	3725780.51	1.43E-07	5.88E-09	1.49E-07	3.00E-08	1.50E-09	3.15E-08	1.54E-07	7.12E-09	1.61E-07	1.84E-08	7.98E-10	1.92E-08
964	436923.26	3725772.42	1.42E-07	5.82E-09	1.48E-07	2.98E-08	1.49E-09	3.12E-08	1.53E-07	7.05E-09	1.60E-07	1.82E-08	7.90E-10	1.90E-08
965	436918.12	3725764.32	1.41E-07	5.77E-09	1.47E-07	2.95E-08	1.47E-09	3.10E-08	1.52E-07	6.98E-09	1.59E-07	1.81E-08	7.82E-10	1.89E-08
966	436912.99	3725756.23	1.40E-07	5.71E-09	1.46E-07	2.93E-08	1.46E-09	3.08E-08	1.50E-07	6.90E-09	1.57E-07	1.80E-08	7.73E-10	1.87E-08
967	436841.13	3725642.91	1.19E-07	4.66E-09	1.23E-07	2.48E-08	1.18E-09	2.60E-08	1.27E-07	5.59E-09	1.33E-07	1.51E-08	6.24E-10	1.58E-08
968	436835.99	3725634.81	1.17E-07	4.57E-09	1.21E-07	2.44E-08	1.16E-09	2.56E-08	1.25E-07	5.48E-09	1.31E-07	1.49E-08	6.12E-10	1.55E-08
969	436830.86	3725626.72	1.15E-07	4.50E-09	1.20E-07	2.40E-08	1.14E-09	2.52E-08	1.24E-07	5.39E-09	1.29E-07	1.47E-08	6.01E-10	1.53E-08
970	436825.73	3725618.63	1.14E-07	4.44E-09	1.18E-07	2.38E-08	1.12E-09	2.49E-08	1.22E-07	5.32E-09	1.28E-07	1.45E-08	5.94E-10	1.51E-08
971	436820.6	3725610.53	1.13E-07	4.39E-09	1.17E-07	2.35E-08	1.11E-09	2.47E-08	1.21E-07	5.25E-09	1.26E-07	1.44E-08	5.86E-10	1.50E-08
972	436815.46	3725602.44	1.12E-07	4.33E-09	1.16E-07	2.33E-08	1.09E-09	2.44E-08	1.20E-07	5.18E-09	1.25E-07	1.42E-08	5.78E-10	1.48E-08
973	437051.58	3725974.77	1.79E-07	7.73E-09	1.87E-07	3.75E-08	1.99E-09	3.95E-08	1.92E-07	9.44E-09	2.02E-07	2.30E-08	1.06E-09	2.41E-08
974	437058.97	3725981.05	1.81E-07	7.84E-09	1.89E-07	3.79E-08	2.02E-09	3.99E-08	1.94E-07	9.58E-09	2.04E-07	2.33E-08	1.08E-09	2.44E-08
975	437066.36	3725987.33	1.83E-07	7.95E-09	1.91E-07	3.84E-08	2.05E-09	4.04E-08	1.97E-07	9.72E-09	2.06E-07	2.36E-08	1.09E-09	2.47E-08
976	437073.75	3725993.61	1.85E-07	8.05E-09	1.93E-07	3.88E-08	2.08E-09	4.09E-08	1.99E-07	9.85E-09	2.09E-07	2.38E-08	1.11E-09	2.49E-08
977	437081.14	3725999.89	1.87E-07	8.15E-09	1.95E-07	3.92E-08	2.10E-09	4.13E-08	2.01E-07	9.97E-09	2.11E-07	2.41E-08	1.12E-09	2.52E-08
978	437088.53	3726006.17	1.89E-07	8.24E-09	1.97E-07	3.95E-08	2.13E-09	4.17E-08	2.03E-07	1.01E-08	2.13E-07	2.43E-08	1.13E-09	2.54E-08
979	437095.92	3726012.45	1.90E-07	8.33E-09	1.99E-07	3.99E-08	2.15E-09	4.21E-08	2.05E-07	1.02E-08	2.15E-07	2.45E-08	1.15E-09	2.57E-08
980	437103.31	3726018.73	1.92E-07	8.42E-09	2.00E-07	4.03E-08	2.18E-09	4.24E-08	2.06E-07	1.03E-08	2.17E-07	2.48E-08	1.16E-09	2.59E-08
981	437110.69	3726025.01	1.94E-07	8.50E-09	2.02E-07	4.06E-08	2.20E-09	4.28E-08	2.08E-07	1.04E-08	2.19E-07	2.50E-08	1.17E-09	2.61E-08
982	437118.08	3726031.29	1.95E-07	8.59E-09	2.04E-07	4.10E-08	2.22E-09	4.32E-08	2.10E-07	1.05E-08	2.21E-07	2.52E-08	1.18E-09	2.64E-08
983	437125.47	3726037.57	1.97E-07	8.69E-09	2.06E-07	4.14E-08	2.25E-09	4.36E-08	2.12E-07	1.07E-08	2.23E-07	2.54E-08	1.20E-09	2.66E-08
984	437132.86	3726043.85	1.99E-07	8.79E-09	2.08E-07	4.18E-08	2.27E-09	4.40E-08	2.14E-07	1.08E-08	2.25E-07	2.57E-08	1.21E-09	2.69E-08
985	437020.5	3725997.08	1.66E-07	7.03E-09	1.73E-07	3.47E-08	1.81E-09	3.65E-08	1.78E-07	8.56E-09	1.87E-07	2.13E-08	9.61E-10	2.22E-08
986	437015.32	3725988.92	1.65E-07	7.00E-09	1.72E-07	3.46E-08	1.80E-09	3.64E-08	1.77E-07	8.52E-09	1.86E-07	2.12E-08	9.56E-10	2.21E-08
987	437010.14	3725980.75	1.64E-07	6.93E-09	1.71E-07	3.43E-08	1.78E-09	3.61E-08	1.76E-07	8.43E-09	1.84E-07	2.10E-08	9.46E-10	2.20E-08
988	437004.96	3725972.59	1.62E-07	6.85E-09	1.69E-07	3.39E-08	1.76E-09	3.57E-08	1.74E-07	8.33E-09	1.82E-07	2.08E-08	9.35E-10	2.17E-08
989	436999.79	3725964.42	1.61E-07	6.77E-09	1.67E-07	3.36E-08	1.74E-09	3.54E-08	1.72E-07	8.23E-09	1.81E-07	2.06E-08	9.24E-10	2.15E-08
990	436994.61	3725956.26	1.59E-07	6.70E-09	1.66E-07	3.33E-08	1.72E-09	3.50E-08	1.71E-07	8.14E-09	1.79E-07	2.04E-08	9.13E-10	2.13E-08
991	436989.43	3725948.09	1.58E-07	6.62E-09	1.64E-07	3.30E-08	1.70E-09	3.47E-08	1.69E-07	8.04E-09	1.77E-07	2.02E-08	9.02E-10	2.11E-08
992	436984.25	3725939.92	1.56E-07	6.53E-09	1.62E-07	3.26E-08	1.67E-09	3.43E-08	1.67E-07	7.94E-09	1.75E-07	2.00E-08	8.90E-10	2.09E-08
993	436979.07	3725931.76	1.54E-07	6.45E-09	1.61E-07	3.23E-08	1.65E-09	3.40E-08	1.66E-07	7.83E-09	1.74E-07	1.98E-08	8.79E-10	2.07E-08
994	436973.89	3725923.59	1.53E-07	6.37E-09	1.59E-07	3.20E-08	1.63E-09	3.36E-08	1.64E-07	7.73E-09	1.72E-07	1.96E-08	8.67E-10	2.05E-08
995	436968.72	3725915.43	1.51E-07	6.29E-09	1.57E-07	3.16E-08	1.61E-09	3.32E-08	1.62E-07	7.63E-09	1.70E-07	1.94E-08	8.56E-10	2.02E-08
996	436963.54	3725907.26	1.50E-07	6.21E-09	1.56E-07	3.13E-08	1.59E-09	3.29E-08	1.61E-07	7.54E-09	1.68E-07	1.92E-08	8.45E-10	2.00E-08
997	436958.36	3725899.1	1.48E-07	6.14E-09	1.54E-07	3.10E-08	1.57E-09	3.26E-08	1.59E-07	7.44E-09	1.67E-07	1.90E-08	8.34E-10	1.98E-08

998	436953.18	3725890.93	1.46E-07	6.05E-09	1.53E-07	3.07E-08	1.55E-09	3.22E-08	1.57E-07	7.34E-09	1.65E-07	1.88E-08	8.22E-10	1.96E-08
999	436948	3725882.77	1.45E-07	5.97E-09	1.51E-07	3.03E-08	1.53E-09	3.18E-08	1.55E-07	7.23E-09	1.63E-07	1.86E-08	8.10E-10	1.94E-08
1000	436942.82	3725874.6	1.43E-07	5.89E-09	1.49E-07	3.00E-08	1.50E-09	3.15E-08	1.54E-07	7.13E-09	1.61E-07	1.83E-08	7.99E-10	1.91E-08
1001	436937.65	3725866.43	1.42E-07	5.81E-09	1.47E-07	2.96E-08	1.48E-09	3.11E-08	1.52E-07	7.03E-09	1.59E-07	1.81E-08	7.87E-10	1.89E-08
1002	436932.47	3725858.27	1.40E-07	5.74E-09	1.46E-07	2.93E-08	1.47E-09	3.08E-08	1.51E-07	6.94E-09	1.58E-07	1.80E-08	7.78E-10	1.87E-08
1003	436927.29	3725850.1	1.39E-07	5.67E-09	1.44E-07	2.90E-08	1.45E-09	3.05E-08	1.49E-07	6.85E-09	1.56E-07	1.78E-08	7.67E-10	1.85E-08
1004	436922.11	3725841.94	1.37E-07	5.59E-09	1.43E-07	2.87E-08	1.43E-09	3.01E-08	1.47E-07	6.76E-09	1.54E-07	1.76E-08	7.57E-10	1.83E-08
1005	436916.93	3725833.77	1.36E-07	5.52E-09	1.41E-07	2.84E-08	1.41E-09	2.98E-08	1.46E-07	6.67E-09	1.53E-07	1.74E-08	7.47E-10	1.81E-08
1006	436911.76	3725825.61	1.35E-07	5.47E-09	1.40E-07	2.82E-08	1.39E-09	2.96E-08	1.45E-07	6.61E-09	1.51E-07	1.73E-08	7.40E-10	1.80E-08
1007	436906.58	3725817.44	1.34E-07	5.42E-09	1.39E-07	2.80E-08	1.38E-09	2.94E-08	1.44E-07	6.55E-09	1.50E-07	1.71E-08	7.33E-10	1.79E-08
1008	436901.4	3725809.28	1.33E-07	5.38E-09	1.39E-07	2.78E-08	1.37E-09	2.92E-08	1.43E-07	6.50E-09	1.50E-07	1.70E-08	7.27E-10	1.78E-08
1009	436896.22	3725801.11	1.32E-07	5.33E-09	1.38E-07	2.76E-08	1.36E-09	2.90E-08	1.42E-07	6.43E-09	1.48E-07	1.69E-08	7.20E-10	1.76E-08
1010	436891.04	3725792.94	1.31E-07	5.28E-09	1.36E-07	2.74E-08	1.34E-09	2.88E-08	1.41E-07	6.37E-09	1.47E-07	1.68E-08	7.13E-10	1.75E-08
1011	436885.86	3725784.78	1.30E-07	5.23E-09	1.35E-07	2.72E-08	1.33E-09	2.85E-08	1.40E-07	6.30E-09	1.46E-07	1.66E-08	7.05E-10	1.73E-08
1012	436880.69	3725776.61	1.29E-07	5.18E-09	1.34E-07	2.70E-08	1.32E-09	2.83E-08	1.39E-07	6.24E-09	1.45E-07	1.65E-08	6.98E-10	1.72E-08
1013	436875.51	3725768.45	1.28E-07	5.13E-09	1.33E-07	2.68E-08	1.31E-09	2.81E-08	1.38E-07	6.18E-09	1.44E-07	1.64E-08	6.92E-10	1.71E-08
1014	436870.33	3725760.28	1.28E-07	5.10E-09	1.33E-07	2.67E-08	1.30E-09	2.80E-08	1.37E-07	6.14E-09	1.43E-07	1.63E-08	6.87E-10	1.70E-08
1015	436865.15	3725752.12	1.27E-07	5.07E-09	1.32E-07	2.65E-08	1.29E-09	2.78E-08	1.36E-07	6.10E-09	1.42E-07	1.62E-08	6.82E-10	1.69E-08
1016	436808.19	3725662.3	1.12E-07	4.37E-09	1.17E-07	2.34E-08	1.10E-09	2.45E-08	1.21E-07	5.23E-09	1.26E-07	1.43E-08	5.83E-10	1.49E-08
1017	437025.68	3726005.25	1.66E-07	7.06E-09	1.73E-07	3.48E-08	1.81E-09	3.67E-08	1.79E-07	8.60E-09	1.87E-07	2.14E-08	9.65E-10	2.23E-08
1018	437033.07	3726011.53	1.68E-07	7.16E-09	1.75E-07	3.52E-08	1.84E-09	3.71E-08	1.81E-07	8.72E-09	1.89E-07	2.16E-08	9.78E-10	2.26E-08
1019	437040.46	3726017.81	1.70E-07	7.25E-09	1.77E-07	3.56E-08	1.86E-09	3.75E-08	1.83E-07	8.84E-09	1.92E-07	2.18E-08	9.92E-10	2.28E-08
1020	437047.84	3726024.09	1.72E-07	7.34E-09	1.79E-07	3.60E-08	1.89E-09	3.79E-08	1.85E-07	8.94E-09	1.93E-07	2.21E-08	1.00E-09	2.31E-08
1021	437055.23	3726030.37	1.73E-07	7.42E-09	1.81E-07	3.63E-08	1.91E-09	3.82E-08	1.86E-07	9.04E-09	1.95E-07	2.23E-08	1.02E-09	2.33E-08
1022	437062.62	3726036.65	1.75E-07	7.49E-09	1.82E-07	3.66E-08	1.93E-09	3.85E-08	1.88E-07	9.14E-09	1.97E-07	2.25E-08	1.03E-09	2.35E-08
1023	437070.01	3726042.93	1.76E-07	7.58E-09	1.84E-07	3.69E-08	1.95E-09	3.89E-08	1.89E-07	9.24E-09	1.99E-07	2.27E-08	1.04E-09	2.37E-08
1024	437077.4	3726049.21	1.78E-07	7.67E-09	1.86E-07	3.73E-08	1.97E-09	3.93E-08	1.91E-07	9.35E-09	2.01E-07	2.29E-08	1.05E-09	2.39E-08
1025	437084.79	3726055.49	1.80E-07	7.74E-09	1.87E-07	3.76E-08	1.99E-09	3.96E-08	1.93E-07	9.44E-09	2.02E-07	2.31E-08	1.06E-09	2.41E-08
1026	437092.18	3726061.77	1.81E-07	7.81E-09	1.89E-07	3.79E-08	2.01E-09	3.99E-08	1.94E-07	9.54E-09	2.04E-07	2.33E-08	1.07E-09	2.43E-08
1027	437099.57	3726068.05	1.82E-07	7.89E-09	1.90E-07	3.82E-08	2.03E-09	4.03E-08	1.96E-07	9.63E-09	2.06E-07	2.35E-08	1.08E-09	2.45E-08
1028	437106.96	3726074.33	1.84E-07	7.97E-09	1.92E-07	3.86E-08	2.05E-09	4.06E-08	1.98E-07	9.74E-09	2.08E-07	2.37E-08	1.09E-09	2.48E-08
1029	436994.64	3726027.64	1.53E-07	6.36E-09	1.59E-07	3.19E-08	1.63E-09	3.36E-08	1.64E-07	7.71E-09	1.72E-07	1.96E-08	8.64E-10	2.04E-08
1030	436989.52	3726019.55	1.52E-07	6.34E-09	1.59E-07	3.19E-08	1.62E-09	3.35E-08	1.64E-07	7.69E-09	1.71E-07	1.95E-08	8.62E-10	2.04E-08
1031	436984.39	3726011.47	1.52E-07	6.32E-09	1.58E-07	3.18E-08	1.62E-09	3.34E-08	1.63E-07	7.66E-09	1.71E-07	1.94E-08	8.58E-10	2.03E-08
1032	436979.26	3726003.38	1.51E-07	6.28E-09	1.57E-07	3.16E-08	1.61E-09	3.32E-08	1.62E-07	7.61E-09	1.70E-07	1.93E-08	8.53E-10	2.02E-08
1033	436974.13	3725995.29	1.50E-07	6.24E-09	1.56E-07	3.14E-08	1.60E-09	3.30E-08	1.61E-07	7.56E-09	1.69E-07	1.92E-08	8.47E-10	2.01E-08
1034	436969	3725987.2	1.49E-07	6.19E-09	1.55E-07	3.12E-08	1.58E-09	3.28E-08	1.60E-07	7.50E-09	1.68E-07	1.91E-08	8.41E-10	2.00E-08
1035	436963.87	3725979.12	1.48E-07	6.13E-09	1.54E-07	3.10E-08	1.57E-09	3.25E-08	1.59E-07	7.42E-09	1.66E-07	1.89E-08	8.31E-10	1.98E-08
1036	436958.74	3725971.03	1.47E-07	6.06E-09	1.53E-07	3.07E-08	1.55E-09	3.22E-08	1.57E-07	7.33E-09	1.65E-07	1.88E-08	8.22E-10	1.96E-08
1037	436953.61	3725962.94	1.45E-07	5.99E-09	1.51E-07	3.04E-08	1.53E-09	3.19E-08	1.56E-07	7.24E-09	1.63E-07	1.86E-08	8.12E-10	1.94E-08
1038	436948.49	3725954.85	1.44E-07	5.91E-09	1.50E-07	3.01E-08	1.51E-09	3.16E-08	1.54E-07	7.16E-09	1.62E-07	1.84E-08	8.02E-10	1.92E-08
1039	436943.36	3725946.77	1.42E-07	5.85E-09	1.48E-07	2.98E-08	1.49E-09	3.13E-08	1.53E-07	7.07E-09	1.60E-07	1.82E-08	7.92E-10	1.90E-08
1040	436938.23	3725938.68	1.41E-07	5.78E-09	1.47E-07	2.95E-08	1.47E-09	3.10E-08	1.51E-07	6.99E-09	1.58E-07	1.80E-08	7.82E-10	1.88E-08
1041	436933.1	3725930.59	1.40E-07	5.71E-09	1.45E-07	2.92E-08	1.46E-09	3.07E-08	1.50E-07	6.91E-09	1.57E-07	1.79E-08	7.73E-10	1.86E-08
1042	436927.97	3725922.5	1.38E-07	5.64E-09	1.44E-07	2.89E-08	1.44E-09	3.04E-08	1.49E-07	6.82E-09	1.55E-07	1.77E-08	7.63E-10	1.85E-08
1043	436922.84	3725914.42	1.37E-07	5.56E-09	1.42E-07	2.86E-08	1.42E-09	3.00E-08	1.47E-07	6.72E-09	1.53E-07	1.75E-08	7.52E-10	1.82E-08
1044	436917.71	3725906.33	1.35E-07	5.48E-09	1.40E-07	2.82E-08	1.40E-09	2.96E-08	1.45E-07	6.62E-09	1.52E-07	1.73E-08	7.41E-10	1.80E-08
1045	436912.58	3725898.24	1.33E-07	5.40E-09	1.39E-07	2.79E-08	1.38E-09	2.93E-08	1.43E-07	6.52E-09	1.50E-07	1.71E-08	7.30E-10	1.78E-08
1046	436907.46	3725890.15	1.32E-07	5.33E-09	1.37E-07	2.75E-08	1.36E-09	2.89E-08	1.42E-07	6.42E-09	1.48E-07	1.68E-08	7.19E-10	1.76E-08
1047	436902.33	3725882.07	1.30E-07	5.25E-09	1.35E-07	2.72E-08	1.33E-09	2.86E-08	1.40E-07	6.32E-09	1.46E-07	1.66E-08	7.08E-10	1.73E-08
1048	436897.2	3725873.98	1.29E-07	5.17E-09	1.34E-07	2.69E-08	1.31E-09	2.82E-08	1.38E-07	6.23E-09	1.44E-07	1.64E-08	6.96E-10	1.71E-08
1049	436892.07	3725865.89	1.27E-07	5.09E-09	1.32E-07	2.65E-08	1.29E-09	2.78E-08	1.36E-07	6.13E-09	1.42E-07	1.62E-08	6.85E-10	1.69E-08
1050	436886.94	3725857.8	1.26E-07	5.03E-09	1.31E-07	2.63E-08	1.28E-09	2.75E-08	1.35E-07	6.05E-09	1.41E-07	1.61E-08	6.77E-10	1.67E-08
1051	436881.81	3725849.72	1.24E-07	4.97E-09	1.29E-07	2.60E-08	1.26E-09	2.73E-08	1.34E-07	5.97E-09	1.40E-07	1.59E-08	6.68E-10	1.66E-08
1052	436866.43	3725825.45	1.21E-07	4.81E-09	1.26E-07	2.53E-08	1.22E-09	2.66E-08	1.30E-07	5.78E-09	1.36E-07	1.55E-08	6.46E-10	1.61E-08
1053	436861.3	3725817.37	1.20E-07	4.77E-09	1.25E-07	2.51E-08	1.21E-09	2.64E-08	1.29E-07	5.73E-09	1.35E-07	1.54E-08	6.40E-10	1.60E-08
1054	436856.17	3725809.28	1.19E-07	4.72E-09	1.24E-07	2.50E-08	1.20E-09	2.62E-08	1.28E-07	5.67E-09	1.34E-07	1.52E-08	6.34E-10	1.59E-08
1055	436851.04	3725801.19	1.19E-07	4.68E-09	1.23E-07	2.48E-08	1.19E-09	2.60E-08	1.27E-07	5.62E-09	1.33E-07	1.51E-08	6.28E-10	1.58E-08
1056	436845.91	3725793.11	1.18E-07	4.64E-09	1.22E-07	2.46E-08	1.17E-09	2.57E-08	1.26E-07	5.56E-09	1.32E-07	1.50E-08	6.21E-10	1.56E-08
1057	436840.78	3725785.02	1.17E-07	4.59E-09	1.21E-07	2.44E-08	1.16E-09	2.55E-08	1.25E-07	5.50E-09	1.31E-07	1.49E-08	6.14E-10	1.55E-08
1058	436835.65	3725776.93	1.16E-07	4.54E-09	1.20E-07	2.42E-08	1.15E-09	2.53E-08	1.24E-07	5.44E-09	1.30E-07	1.47E-08	6.08E-10	1.53E-08
1059	436830.53	3725768.84	1.15E-07	4.50E-09	1.19E-07	2.40E-08	1.14E-09	2.51E-08	1.23E-07	5.39E-09	1.29E-07	1.46E-08	6.02E-10	1.52E-08
1060	436825.4	3725760.76	1.14E-07	4.47E-09	1.19E-07	2.38E-08	1.13E-09	2.50E-08	1.23E-07	5.35E-09	1.28E-07	1.45E-08	5.97E-10	1.51E-08
1061	436999.77	3726035.73	1.53E-07	6.38E-09	1.59E-07	3.20E-08	1.63E-09	3.36E-08	1.64E-07	7.73E-09	1.72E-07	1.96E-08	8.66E-10	2.05E-08
1062	437007.16	3726042.01	1.54E-07	6.44E-09	1.61E-07	3.23E-08	1.65E-09	3.39E-08	1.66E-07	7.81E-09	1.74E-07	1.98E-08	8.75E-10	2.06E-08
1063	437014.55	3726048.29	1.56E-07	6.50E-09	1.62E-07	3.26E-08	1.66E-09	3.42E-08	1.67E-07	7.89E-09	1.75E-07	1.99E-08	8.84E-10	2.08E-08
1064	437021.94	3726054.57	1.57E-07	6.57E-09	1.63E-07	3.28E-08	1.68E-09	3.45E-08	1.69E-07	7.97E-09	1.77E-07	2.01E-08	8.93E-10	2.10E-08
1065	437029.33	3726060.85	1.58E-07	6.64E-09	1.65E-07	3.31E-08	1.70E-09	3.48E-08	1.70E-07	8.06E-09	1.78E-07	2.03E-08	9.04E-10	2.12E-08
1066	437036.72	3726067.13	1.60E-07	6.71E-09	1.67E-07	3.34E-08	1.72E-09	3.52E-08	1.72E-07	8.15E-09	1.80E-07	2.05E-08	9.14E-10	2.14E-08
1067	437044.11	3726073.41	1.61E-07	6.78E-09	1.68E-07	3.37E-08	1.74E-09	3.55E-08	1.73E-07	8.24E-09	1.81E-07	2.07E-08	9.24E-10	2.16E-08
1068	437051.5	3726079.69	1.63E-07	6.87E-09	1.70E-07	3.41E-08	1.76E-09	3.58E-08	1.75E-07	8.34E-09	1.83E-07	2.09E-08	9.36E-10	2.18E-08
1069	437058.89	3726085.97	1.65E-07	6.97E-09	1.72E-07	3.45E-08	1.79E-09	3.63E-08	1.77E-07	8.47E-09	1.86E-07	2.12E-08	9.51E-10	2.21E-08
1070	437066.28	3726092.25	1.67E-07	7.09E-09	1.74E-07	3.50E-08	1.82E-09	3.68E-08	1.80E-07	8.62E-09	1.88E-07	2.14E-08	9.67E-10	2.24E-08
1071	437073.66	3726098.53	1.70E-07	7.21E-09	1.77E-07	3.55E-08	1.85E-09	3.74E-08	1.82E-07	8.77E-09	1.91E-07	2.18E-08	9.84E-10	2.28E-08
1072	437081.05	3726104.81	1.72E-07	7.34E-09	1.80E-07	3.60E-08	1.88E-09	3.79E-08	1.85E-07	8.93E-09	1.94E-07	2.21E-08	1.00E-09	2.31E-08
1073	436968.7	3726058.05	1.41E-07	5.79E-09	1.47E-07	2.95E-08	1.47E-09	3.10E-08	1.52E-07	6.99E-09	1.59E-07	1.81E-08	7.82E-10	1.88E-08
1074	436963.53	3726049.9	1.41E-07	5.77E-09	1.47E-07	2.95E-08	1.47E-09	3.09E-08	1.51E-07	6.97E-09	1.58E-07	1.80E-08	7.80E-10	1.88E-08

1075	436958.36	3726041.75	1.41E-07	5.76E-09	1.46E-07	2.94E-08	1.47E-09	3.09E-08	1.51E-07	6.95E-09	1.58E-07	1.80E-08	7.78E-10	1.88E-08
1076	436953.19	3726033.6	1.40E-07	5.74E-09	1.46E-07	2.93E-08	1.46E-09	3.08E-08	1.51E-07	6.94E-09	1.58E-07	1.79E-08	7.77E-10	1.87E-08
1077	436948.02	3726025.44	1.40E-07	5.73E-09	1.46E-07	2.93E-08	1.46E-09	3.07E-08	1.50E-07	6.91E-09	1.57E-07	1.79E-08	7.74E-10	1.87E-08
1078	436942.85	3726017.29	1.40E-07	5.70E-09	1.45E-07	2.92E-08	1.45E-09	3.06E-08	1.50E-07	6.88E-09	1.57E-07	1.78E-08	7.70E-10	1.86E-08
1079	436937.68	3726009.14	1.39E-07	5.66E-09	1.44E-07	2.90E-08	1.44E-09	3.04E-08	1.49E-07	6.83E-09	1.56E-07	1.77E-08	7.65E-10	1.85E-08
1080	436932.51	3726000.98	1.38E-07	5.61E-09	1.43E-07	2.88E-08	1.43E-09	3.02E-08	1.48E-07	6.77E-09	1.55E-07	1.76E-08	7.58E-10	1.84E-08
1081	436927.34	3725992.83	1.37E-07	5.56E-09	1.42E-07	2.86E-08	1.42E-09	3.00E-08	1.47E-07	6.71E-09	1.53E-07	1.75E-08	7.51E-10	1.82E-08
1082	436922.17	3725984.68	1.35E-07	5.50E-09	1.41E-07	2.83E-08	1.40E-09	2.97E-08	1.45E-07	6.64E-09	1.52E-07	1.73E-08	7.43E-10	1.80E-08
1083	436917	3725976.52	1.34E-07	5.43E-09	1.39E-07	2.80E-08	1.38E-09	2.94E-08	1.44E-07	6.55E-09	1.51E-07	1.71E-08	7.33E-10	1.79E-08
1084	436911.83	3725968.37	1.33E-07	5.36E-09	1.38E-07	2.77E-08	1.36E-09	2.91E-08	1.42E-07	6.46E-09	1.49E-07	1.69E-08	7.23E-10	1.77E-08
1085	436906.66	3725960.22	1.31E-07	5.30E-09	1.37E-07	2.74E-08	1.35E-09	2.88E-08	1.41E-07	6.38E-09	1.47E-07	1.68E-08	7.14E-10	1.75E-08
1086	436901.48	3725952.07	1.30E-07	5.23E-09	1.35E-07	2.71E-08	1.33E-09	2.85E-08	1.39E-07	6.30E-09	1.46E-07	1.66E-08	7.05E-10	1.73E-08
1087	436896.31	3725943.91	1.29E-07	5.17E-09	1.34E-07	2.69E-08	1.31E-09	2.82E-08	1.38E-07	6.22E-09	1.44E-07	1.64E-08	6.95E-10	1.71E-08
1088	436891.14	3725935.76	1.27E-07	5.10E-09	1.32E-07	2.66E-08	1.29E-09	2.79E-08	1.37E-07	6.13E-09	1.43E-07	1.62E-08	6.86E-10	1.69E-08
1089	436885.97	3725927.61	1.26E-07	5.03E-09	1.31E-07	2.62E-08	1.28E-09	2.75E-08	1.35E-07	6.05E-09	1.41E-07	1.60E-08	6.76E-10	1.67E-08
1090	436880.8	3725919.45	1.24E-07	4.95E-09	1.29E-07	2.59E-08	1.26E-09	2.72E-08	1.33E-07	5.95E-09	1.39E-07	1.58E-08	6.66E-10	1.65E-08
1091	436875.63	3725911.3	1.23E-07	4.88E-09	1.27E-07	2.56E-08	1.24E-09	2.68E-08	1.32E-07	5.87E-09	1.38E-07	1.56E-08	6.56E-10	1.63E-08
1092	436870.46	3725903.15	1.21E-07	4.81E-09	1.26E-07	2.53E-08	1.22E-09	2.65E-08	1.30E-07	5.78E-09	1.36E-07	1.55E-08	6.46E-10	1.61E-08
1093	436865.29	3725894.99	1.20E-07	4.75E-09	1.25E-07	2.50E-08	1.20E-09	2.62E-08	1.29E-07	5.70E-09	1.34E-07	1.53E-08	6.36E-10	1.59E-08
1094	436860.12	3725886.84	1.18E-07	4.68E-09	1.23E-07	2.47E-08	1.18E-09	2.59E-08	1.27E-07	5.61E-09	1.33E-07	1.51E-08	6.27E-10	1.57E-08
1095	436854.95	3725878.69	1.17E-07	4.62E-09	1.22E-07	2.44E-08	1.17E-09	2.56E-08	1.26E-07	5.54E-09	1.31E-07	1.49E-08	6.18E-10	1.55E-08
1096	436834.27	3725846.08	1.13E-07	4.41E-09	1.17E-07	2.35E-08	1.11E-09	2.46E-08	1.21E-07	5.28E-09	1.26E-07	1.43E-08	5.89E-10	1.49E-08
1097	436829.1	3725837.92	1.12E-07	4.36E-09	1.16E-07	2.33E-08	1.10E-09	2.44E-08	1.20E-07	5.22E-09	1.25E-07	1.42E-08	5.82E-10	1.48E-08
1098	436823.93	3725829.77	1.11E-07	4.32E-09	1.15E-07	2.31E-08	1.09E-09	2.42E-08	1.19E-07	5.16E-09	1.24E-07	1.41E-08	5.76E-10	1.47E-08
1099	436818.76	3725821.62	1.10E-07	4.27E-09	1.14E-07	2.29E-08	1.08E-09	2.40E-08	1.18E-07	5.11E-09	1.23E-07	1.40E-08	5.70E-10	1.45E-08
1100	436813.59	3725813.46	1.09E-07	4.23E-09	1.13E-07	2.27E-08	1.07E-09	2.38E-08	1.17E-07	5.05E-09	1.22E-07	1.38E-08	5.64E-10	1.44E-08
1101	436808.42	3725805.31	1.08E-07	4.18E-09	1.12E-07	2.25E-08	1.06E-09	2.36E-08	1.16E-07	5.00E-09	1.21E-07	1.37E-08	5.58E-10	1.43E-08
1102	436803.25	3725797.16	1.07E-07	4.15E-09	1.11E-07	2.23E-08	1.05E-09	2.34E-08	1.15E-07	4.95E-09	1.20E-07	1.36E-08	5.52E-10	1.42E-08
1103	436798.08	3725789.01	1.06E-07	4.11E-09	1.10E-07	2.22E-08	1.04E-09	2.32E-08	1.14E-07	4.91E-09	1.19E-07	1.35E-08	5.47E-10	1.41E-08
1104	436792.91	3725780.85	1.06E-07	4.08E-09	1.10E-07	2.20E-08	1.03E-09	2.31E-08	1.13E-07	4.86E-09	1.18E-07	1.34E-08	5.42E-10	1.40E-08
1105	436687.87	3725073.86	8.56E-08	3.06E-09	8.86E-08	1.78E-08	7.55E-10	1.85E-08	9.18E-08	3.58E-09	9.54E-08	1.08E-08	3.96E-10	1.12E-08
1106	436973.87	3726066.21	1.42E-07	5.80E-09	1.47E-07	2.96E-08	1.48E-09	3.11E-08	1.52E-07	7.00E-09	1.59E-07	1.81E-08	7.84E-10	1.89E-08
1107	436981.26	3726072.49	1.43E-07	5.85E-09	1.49E-07	2.98E-08	1.49E-09	3.13E-08	1.53E-07	7.07E-09	1.60E-07	1.82E-08	7.91E-10	1.90E-08
1108	436988.65	3726078.77	1.44E-07	5.90E-09	1.50E-07	3.00E-08	1.51E-09	3.15E-08	1.54E-07	7.13E-09	1.62E-07	1.84E-08	7.99E-10	1.92E-08
1109	436996.04	3726085.05	1.45E-07	5.97E-09	1.51E-07	3.03E-08	1.52E-09	3.18E-08	1.56E-07	7.21E-09	1.63E-07	1.85E-08	8.08E-10	1.93E-08
1110	437003.43	3726091.33	1.47E-07	6.04E-09	1.53E-07	3.06E-08	1.54E-09	3.22E-08	1.57E-07	7.30E-09	1.65E-07	1.87E-08	8.17E-10	1.95E-08
1111	437010.81	3726097.61	1.48E-07	6.11E-09	1.54E-07	3.09E-08	1.56E-09	3.25E-08	1.59E-07	7.39E-09	1.66E-07	1.89E-08	8.28E-10	1.97E-08
1112	437018.2	3726103.89	1.50E-07	6.19E-09	1.56E-07	3.13E-08	1.58E-09	3.28E-08	1.61E-07	7.48E-09	1.68E-07	1.91E-08	8.38E-10	1.99E-08
1113	437025.59	3726110.17	1.51E-07	6.28E-09	1.58E-07	3.16E-08	1.60E-09	3.32E-08	1.63E-07	7.60E-09	1.70E-07	1.94E-08	8.51E-10	2.02E-08
1114	437032.98	3726116.45	1.53E-07	6.38E-09	1.60E-07	3.21E-08	1.63E-09	3.37E-08	1.65E-07	7.72E-09	1.73E-07	1.96E-08	8.65E-10	2.05E-08
1115	437040.37	3726122.73	1.56E-07	6.49E-09	1.62E-07	3.25E-08	1.66E-09	3.42E-08	1.67E-07	7.86E-09	1.75E-07	1.99E-08	8.80E-10	2.08E-08
1116	437047.76	3726129.01	1.58E-07	6.60E-09	1.65E-07	3.30E-08	1.69E-09	3.47E-08	1.70E-07	8.00E-09	1.78E-07	2.02E-08	8.97E-10	2.11E-08
1117	437055.15	3726135.29	1.60E-07	6.72E-09	1.67E-07	3.35E-08	1.72E-09	3.53E-08	1.72E-07	8.15E-09	1.80E-07	2.05E-08	9.14E-10	2.14E-08
1118	436942.84	3726088.6	1.32E-07	5.33E-09	1.37E-07	2.76E-08	1.35E-09	2.89E-08	1.42E-07	6.41E-09	1.48E-07	1.68E-08	7.17E-10	1.75E-08
1119	436937.71	3726080.52	1.32E-07	5.32E-09	1.37E-07	2.75E-08	1.35E-09	2.89E-08	1.42E-07	6.40E-09	1.48E-07	1.68E-08	7.16E-10	1.75E-08
1120	436932.59	3726072.44	1.32E-07	5.31E-09	1.37E-07	2.75E-08	1.35E-09	2.88E-08	1.41E-07	6.39E-09	1.48E-07	1.68E-08	7.15E-10	1.75E-08
1121	436927.46	3726064.36	1.32E-07	5.30E-09	1.37E-07	2.75E-08	1.35E-09	2.88E-08	1.41E-07	6.38E-09	1.48E-07	1.68E-08	7.14E-10	1.75E-08
1122	436922.34	3726056.28	1.31E-07	5.30E-09	1.37E-07	2.74E-08	1.35E-09	2.88E-08	1.41E-07	6.38E-09	1.47E-07	1.68E-08	7.13E-10	1.75E-08
1123	436917.21	3726048.2	1.31E-07	5.29E-09	1.36E-07	2.74E-08	1.34E-09	2.87E-08	1.41E-07	6.37E-09	1.47E-07	1.67E-08	7.12E-10	1.74E-08
1124	436912.09	3726040.11	1.31E-07	5.26E-09	1.36E-07	2.73E-08	1.34E-09	2.86E-08	1.40E-07	6.33E-09	1.47E-07	1.67E-08	7.08E-10	1.74E-08
1125	436906.96	3726032.03	1.30E-07	5.23E-09	1.35E-07	2.71E-08	1.33E-09	2.85E-08	1.40E-07	6.29E-09	1.46E-07	1.66E-08	7.04E-10	1.73E-08
1126	436901.84	3726023.95	1.29E-07	5.20E-09	1.34E-07	2.70E-08	1.32E-09	2.83E-08	1.39E-07	6.25E-09	1.45E-07	1.65E-08	6.99E-10	1.72E-08
1127	436896.71	3726015.87	1.28E-07	5.16E-09	1.34E-07	2.68E-08	1.31E-09	2.81E-08	1.38E-07	6.20E-09	1.44E-07	1.64E-08	6.94E-10	1.71E-08
1128	436891.59	3726007.79	1.27E-07	5.09E-09	1.32E-07	2.65E-08	1.29E-09	2.78E-08	1.36E-07	6.12E-09	1.43E-07	1.62E-08	6.85E-10	1.69E-08
1129	436886.46	3725999.71	1.26E-07	5.03E-09	1.31E-07	2.63E-08	1.28E-09	2.75E-08	1.35E-07	6.05E-09	1.41E-07	1.60E-08	6.76E-10	1.67E-08
1130	436881.34	3725991.62	1.24E-07	4.97E-09	1.29E-07	2.60E-08	1.26E-09	2.73E-08	1.34E-07	5.97E-09	1.40E-07	1.59E-08	6.67E-10	1.65E-08
1131	436876.21	3725983.54	1.23E-07	4.91E-09	1.28E-07	2.57E-08	1.24E-09	2.70E-08	1.32E-07	5.89E-09	1.38E-07	1.57E-08	6.58E-10	1.63E-08
1132	436871.09	3725975.46	1.22E-07	4.84E-09	1.27E-07	2.54E-08	1.23E-09	2.67E-08	1.31E-07	5.81E-09	1.37E-07	1.55E-08	6.50E-10	1.62E-08
1133	436865.96	3725967.38	1.20E-07	4.78E-09	1.25E-07	2.52E-08	1.21E-09	2.64E-08	1.29E-07	5.74E-09	1.35E-07	1.53E-08	6.41E-10	1.60E-08
1134	436860.84	3725959.3	1.19E-07	4.72E-09	1.24E-07	2.49E-08	1.19E-09	2.61E-08	1.28E-07	5.65E-09	1.34E-07	1.52E-08	6.32E-10	1.58E-08
1135	436855.71	3725951.21	1.18E-07	4.65E-09	1.22E-07	2.46E-08	1.18E-09	2.57E-08	1.26E-07	5.57E-09	1.32E-07	1.50E-08	6.22E-10	1.56E-08
1136	436850.59	3725943.13	1.16E-07	4.58E-09	1.21E-07	2.43E-08	1.16E-09	2.54E-08	1.25E-07	5.49E-09	1.30E-07	1.48E-08	6.13E-10	1.54E-08
1137	436845.46	3725935.05	1.15E-07	4.51E-09	1.19E-07	2.39E-08	1.14E-09	2.51E-08	1.23E-07	5.40E-09	1.29E-07	1.46E-08	6.03E-10	1.52E-08
1138	436840.34	3725926.97	1.13E-07	4.44E-09	1.18E-07	2.36E-08	1.12E-09	2.48E-08	1.22E-07	5.32E-09	1.27E-07	1.44E-08	5.93E-10	1.50E-08
1139	436835.21	3725918.89	1.12E-07	4.39E-09	1.16E-07	2.34E-08	1.11E-09	2.45E-08	1.20E-07	5.25E-09	1.26E-07	1.43E-08	5.86E-10	1.48E-08
1140	436830.09	3725910.81	1.11E-07	4.34E-09	1.15E-07	2.32E-08	1.09E-09	2.43E-08	1.19E-07	5.19E-09	1.24E-07	1.41E-08	5.79E-10	1.47E-08
1141	436804.46	3725870.4	1.06E-07	4.10E-09	1.10E-07	2.21E-08	1.03E-09	2.31E-08	1.14E-07	4.89E-09	1.19E-07	1.35E-08	5.46E-10	1.40E-08
1142	436799.34	3725862.32	1.05E-07	4.06E-09	1.09E-07	2.19E-08	1.02E-09	2.29E-08	1.13E-07	4.84E-09	1.18E-07	1.33E-08	5.40E-10	1.39E-08
1143	436794.21	3725854.23	1.04E-07	4.01E-09	1.08E-07	2.17E-08	1.01E-09	2.27E-08	1.12E-07	4.79E-09	1.16E-07	1.32E-08	5.34E-10	1.38E-08
1144	436789.09	3725846.15	1.03E-07	3.97E-09	1.07E-07	2.15E-08	9.99E-10	2.25E-08	1.11E-07	4.73E-09	1.15E-07	1.31E-08	5.28E-10	1.36E-08
1145	436783.96	3725838.07	1.02E-07	3.93E-09	1.06E-07	2.13E-08	9.88E-10	2.23E-08	1.10E-07	4.68E-09	1.14E-07	1.30E-08	5.22E-10	1.35E-08
1146	436778.84	3725829.99	1.01E-07	3.89E-09	1.05E-07	2.11E-08	9.79E-10	2.21E-08	1.09E-07	4.64E-09	1.13E-07	1.29E-08	5.17E-10	1.34E-08
1147	436773.71	3725821.91	1.01E-07	3.86E-09	1.05E-07	2.10E-08	9.70E-10	2.20E-08	1.08E-07	4.59E-09	1.13E-07	1.28E-08	5.12E-10	1.33E-08
1148	436768.59	3725813.82	9.99E-08	3.82E-09	1.04E-07	2.08E-08	9.61E-10	2.18E-08	1.07E-07	4.55E-09	1.12E-07	1.27E-08	5.07E-10	1.32E-08
1149	436763.46	3725805.74	9.92E-08	3.79E-09	1.03E-07	2.07E-08	9.52E-10	2.16E-08	1.06E-07	4.51E-09	1.11E-07	1.26E-08	5.02E-10	1.31E-08
1150	436947.97	3726096.69	1.32E-07	5.34E-09	1.38E-07	2.76E-08	1.36E-09	2.90E-08	1.42E-07	6.43E-09	1.48E-07	1.69E-08	7.19E-10	1.76E-08
1151	436955.35	3726102.97	1.33E-07	5.38E-09	1.39E-07	2.78E-08	1.37E-09	2.92E-08	1.43E-07	6.48E-09	1.49E-07	1.70E-08	7.25E-10	1.77E-08

1152	436962.74	3726109.25	1.34E-07	5.44E-09	1.40E-07	2.81E-08	1.38E-09	2.95E-08	1.44E-07	6.55E-09	1.51E-07	1.71E-08	7.33E-10	1.79E-08
1153	436970.13	3726115.53	1.36E-07	5.51E-09	1.41E-07	2.84E-08	1.40E-09	2.98E-08	1.46E-07	6.64E-09	1.53E-07	1.73E-08	7.43E-10	1.81E-08
1154	436977.52	3726121.81	1.38E-07	5.59E-09	1.43E-07	2.87E-08	1.42E-09	3.01E-08	1.48E-07	6.73E-09	1.54E-07	1.75E-08	7.53E-10	1.83E-08
1155	436984.91	3726128.09	1.39E-07	5.66E-09	1.45E-07	2.90E-08	1.44E-09	3.05E-08	1.49E-07	6.83E-09	1.56E-07	1.77E-08	7.64E-10	1.85E-08
1156	436992.3	3726134.37	1.41E-07	5.75E-09	1.46E-07	2.94E-08	1.46E-09	3.09E-08	1.51E-07	6.93E-09	1.58E-07	1.80E-08	7.75E-10	1.87E-08
1157	436999.69	3726140.65	1.43E-07	5.84E-09	1.48E-07	2.98E-08	1.49E-09	3.13E-08	1.53E-07	7.04E-09	1.60E-07	1.82E-08	7.88E-10	1.90E-08
1158	437007.08	3726146.93	1.45E-07	5.93E-09	1.51E-07	3.02E-08	1.51E-09	3.17E-08	1.55E-07	7.16E-09	1.62E-07	1.85E-08	8.01E-10	1.93E-08
1159	437014.47	3726153.21	1.47E-07	6.03E-09	1.53E-07	3.06E-08	1.54E-09	3.22E-08	1.57E-07	7.28E-09	1.65E-07	1.87E-08	8.15E-10	1.95E-08
1160	437021.86	3726159.49	1.49E-07	6.13E-09	1.55E-07	3.11E-08	1.56E-09	3.26E-08	1.60E-07	7.40E-09	1.67E-07	1.90E-08	8.29E-10	1.98E-08
1161	437029.25	3726165.77	1.51E-07	6.23E-09	1.57E-07	3.15E-08	1.59E-09	3.31E-08	1.62E-07	7.52E-09	1.69E-07	1.92E-08	8.43E-10	2.01E-08
1162	437520.06	3725611.33	7.07E-06	6.48E-07	7.72E-06	1.56E-06	1.85E-07	1.75E-06	7.66E-06	8.78E-07	8.54E-06	1.05E-06	1.02E-07	1.15E-06
1163	437507.55	3725626.93	5.33E-06	4.74E-07	5.81E-06	1.18E-06	1.35E-07	1.31E-06	5.77E-06	6.40E-07	6.41E-06	7.83E-07	7.41E-08	8.57E-07
1164	437495.04	3725642.54	4.10E-06	3.52E-07	4.45E-06	9.01E-07	1.00E-07	1.00E-06	4.43E-06	4.75E-07	4.91E-06	5.97E-07	5.49E-08	6.52E-07
1165	437470.46	3725661.28	2.86E-06	2.35E-07	3.09E-06	6.26E-07	6.64E-08	6.92E-07	3.09E-06	3.15E-07	3.41E-06	4.12E-07	3.64E-08	4.49E-07
1166	437482.1	3725670.61	2.88E-06	2.34E-07	3.11E-06	6.29E-07	6.61E-08	6.95E-07	3.11E-06	3.14E-07	3.43E-06	4.14E-07	3.63E-08	4.50E-07
1167	437451.7	3725684.69	2.10E-06	1.64E-07	2.26E-06	4.57E-07	4.60E-08	5.03E-07	2.27E-06	2.18E-07	2.48E-06	2.99E-07	2.52E-08	3.24E-07
1168	437463.34	3725694.02	2.13E-06	1.65E-07	2.29E-06	4.63E-07	4.63E-08	5.10E-07	2.30E-06	2.20E-07	2.52E-06	3.03E-07	2.54E-08	3.28E-07
1169	437432.93	3725708.1	1.61E-06	1.19E-07	1.73E-06	3.49E-07	3.34E-08	3.83E-07	1.74E-06	1.58E-07	1.90E-06	2.27E-07	1.83E-08	2.45E-07
1170	437444.57	3725717.43	1.64E-06	1.21E-07	1.76E-06	3.56E-07	3.39E-08	3.90E-07	1.77E-06	1.61E-07	1.93E-06	2.31E-07	1.85E-08	2.50E-07
1171	437425.81	3725740.84	1.31E-06	9.21E-08	1.40E-06	2.83E-07	2.56E-08	3.08E-07	1.41E-06	1.22E-07	1.53E-06	1.82E-07	1.40E-08	1.96E-07
1172	437407.05	3725764.25	1.08E-06	7.28E-08	1.15E-06	2.32E-07	2.01E-08	2.53E-07	1.16E-06	9.55E-08	1.26E-06	1.49E-07	1.10E-08	1.60E-07
1173	437357.88	3725801.73	7.56E-07	4.69E-08	8.03E-07	1.62E-07	1.28E-08	1.75E-07	8.15E-07	6.09E-08	8.76E-07	1.03E-07	6.97E-09	1.10E-07
1174	437335.13	3725821.85	6.37E-07	3.79E-08	6.75E-07	1.36E-07	1.03E-08	1.46E-07	6.86E-07	4.89E-08	7.35E-07	8.61E-08	5.59E-09	9.17E-08
1175	437344.94	3725829.81	6.49E-07	3.87E-08	6.88E-07	1.39E-07	1.05E-08	1.49E-07	7.00E-07	4.99E-08	7.49E-07	8.78E-08	5.71E-09	9.35E-08
1176	437316.14	3725845.07	5.45E-07	3.11E-08	5.76E-07	1.16E-07	8.41E-09	1.24E-07	5.86E-07	3.99E-08	6.26E-07	7.31E-08	4.55E-09	7.76E-08
1177	437326.17	3725853.21	5.56E-07	3.18E-08	5.88E-07	1.18E-07	8.61E-09	1.27E-07	5.99E-07	4.08E-08	6.39E-07	7.46E-08	4.66E-09	7.93E-08
1178	437271.84	3725899.26	3.92E-07	2.06E-08	4.13E-07	8.30E-08	5.49E-09	8.85E-08	4.22E-07	2.60E-08	4.48E-07	5.19E-08	2.96E-09	5.49E-08
1179	437282.39	3725907.83	4.00E-07	2.11E-08	4.21E-07	8.48E-08	5.62E-09	9.04E-08	4.31E-07	2.67E-08	4.57E-07	5.30E-08	3.03E-09	5.60E-08
1180	437246.53	3725930.23	3.34E-07	1.68E-08	3.51E-07	7.06E-08	4.45E-09	7.51E-08	3.60E-07	2.11E-08	3.81E-07	4.40E-08	2.40E-09	4.64E-08
1181	437257.38	3725939.05	3.41E-07	1.72E-08	3.58E-07	7.21E-08	4.56E-09	7.67E-08	3.67E-07	2.16E-08	3.89E-07	4.49E-08	2.45E-09	4.73E-08
1182	437221.22	3725961.2	2.89E-07	1.40E-08	3.03E-07	6.09E-08	3.68E-09	6.46E-08	3.11E-07	1.75E-08	3.28E-07	3.78E-08	1.98E-09	3.97E-08
1183	437232.36	3725970.26	2.94E-07	1.43E-08	3.09E-07	6.20E-08	3.76E-09	6.58E-08	3.16E-07	1.78E-08	3.34E-07	3.85E-08	2.02E-09	4.05E-08
1184	437195.91	3725992.17	2.51E-07	1.17E-08	2.63E-07	5.29E-08	3.07E-09	5.59E-08	2.70E-07	1.46E-08	2.85E-07	3.27E-08	1.64E-09	3.43E-08
1185	437207.34	3726001.47	2.56E-07	1.20E-08	2.68E-07	5.39E-08	3.14E-09	5.71E-08	2.76E-07	1.49E-08	2.90E-07	3.33E-08	1.68E-09	3.50E-08
1186	437172.07	3726024.35	2.23E-07	1.01E-08	2.34E-07	4.69E-08	2.63E-09	4.96E-08	2.40E-07	1.25E-08	2.53E-07	2.89E-08	1.41E-09	3.03E-08
1187	437182.33	3726032.68	2.27E-07	1.03E-08	2.38E-07	4.78E-08	2.69E-09	5.04E-08	2.44E-07	1.28E-08	2.57E-07	2.94E-08	1.44E-09	3.09E-08
1188	437146.83	3726055.38	2.03E-07	9.01E-09	2.12E-07	4.27E-08	2.33E-09	4.50E-08	2.19E-07	1.11E-08	2.30E-07	2.62E-08	1.24E-09	2.75E-08
1189	437157.31	3726063.89	2.06E-07	9.17E-09	2.16E-07	4.33E-08	2.37E-09	4.57E-08	2.22E-07	1.12E-08	2.33E-07	2.66E-08	1.27E-09	2.79E-08
1190	437121.59	3726086.41	1.88E-07	8.19E-09	1.97E-07	3.95E-08	2.11E-09	4.16E-08	2.02E-07	1.00E-08	2.13E-07	2.42E-08	1.13E-09	2.54E-08
1191	437132.29	3726095.1	1.92E-07	8.35E-09	2.00E-07	4.01E-08	2.15E-09	4.23E-08	2.06E-07	1.02E-08	2.16E-07	2.46E-08	1.15E-09	2.58E-08
1192	437096.35	3726117.44	1.76E-07	7.55E-09	1.84E-07	3.69E-08	1.94E-09	3.89E-08	1.90E-07	9.19E-09	1.99E-07	2.26E-08	1.03E-09	2.37E-08
1193	437107.27	3726126.31	1.79E-07	7.70E-09	1.87E-07	3.76E-08	1.98E-09	3.95E-08	1.93E-07	9.38E-09	2.02E-07	2.30E-08	1.05E-09	2.41E-08
1194	437071.11	3726148.47	1.65E-07	6.95E-09	1.72E-07	3.45E-08	1.78E-09	3.63E-08	1.77E-07	8.44E-09	1.86E-07	2.11E-08	9.46E-10	2.21E-08
1195	437082.26	3726157.52	1.68E-07	7.11E-09	1.75E-07	3.52E-08	1.82E-09	3.70E-08	1.81E-07	8.63E-09	1.89E-07	2.15E-08	9.68E-10	2.25E-08
1196	437045.88	3726179.49	1.55E-07	6.44E-09	1.62E-07	3.24E-08	1.65E-09	3.41E-08	1.67E-07	7.79E-09	1.74E-07	1.98E-08	8.73E-10	2.07E-08
1197	437057.24	3726188.73	1.58E-07	6.58E-09	1.65E-07	3.30E-08	1.68E-09	3.47E-08	1.70E-07	7.96E-09	1.78E-07	2.02E-08	8.92E-10	2.11E-08
1198	437676.44	3725481.96	2.05E-05	1.02E-06	2.15E-05	4.28E-06	2.68E-07	4.55E-06	2.20E-05	1.27E-06	2.33E-05	2.62E-06	1.43E-07	2.77E-06
1199	437532.24	3725621.7	6.76E-06	6.08E-07	7.37E-06	1.49E-06	1.73E-07	1.67E-06	7.32E-06	8.23E-07	8.14E-06	9.95E-07	9.53E-08	1.09E-06
1200	437545.81	3725633.41	6.41E-06	5.64E-07	6.98E-06	1.41E-06	1.60E-07	1.57E-06	6.94E-06	7.62E-07	7.70E-06	9.38E-07	8.82E-08	1.03E-06
1201	437519.18	3725636.85	5.15E-06	4.50E-07	5.60E-06	1.13E-06	1.28E-07	1.26E-06	5.57E-06	6.07E-07	6.18E-06	7.53E-07	7.02E-08	8.23E-07
1202	437525.96	3725642.7	5.04E-06	4.35E-07	5.47E-06	1.11E-06	1.24E-07	1.23E-06	5.45E-06	5.87E-07	6.04E-06	7.34E-07	6.79E-08	8.02E-07
1203	437493.3	3725680.56	2.86E-06	2.30E-07	3.09E-06	6.25E-07	6.48E-08	6.90E-07	3.09E-06	3.08E-07	3.40E-06	4.10E-07	3.55E-08	4.46E-07
1204	437500.09	3725686.41	2.85E-06	2.27E-07	3.08E-06	6.22E-07	6.40E-08	6.86E-07	3.08E-06	3.04E-07	3.38E-06	4.08E-07	3.51E-08	4.43E-07
1205	437473.71	3725703.28	2.14E-06	1.64E-07	2.30E-06	4.65E-07	4.61E-08	5.11E-07	2.31E-06	2.19E-07	2.53E-06	3.04E-07	2.52E-08	3.29E-07
1206	437480.49	3725709.13	2.15E-06	1.64E-07	2.31E-06	4.67E-07	4.60E-08	5.13E-07	2.32E-06	2.18E-07	2.54E-06	3.04E-07	2.52E-08	3.29E-07
1207	437454.11	3725726	1.65E-06	1.21E-07	1.78E-06	3.59E-07	3.39E-08	3.92E-07	1.79E-06	1.61E-07	1.95E-06	2.33E-07	1.85E-08	2.51E-07
1208	437434.52	3725748.71	1.32E-06	9.24E-08	1.41E-06	2.84E-07	2.57E-08	3.10E-07	1.42E-06	1.22E-07	1.54E-06	1.84E-07	1.40E-08	1.98E-07
1209	437414.93	3725771.43	1.09E-06	7.31E-08	1.16E-06	2.34E-07	2.02E-08	2.54E-07	1.17E-06	9.59E-08	1.27E-06	1.50E-07	1.10E-08	1.61E-07
1210	437395.33	3725794.15	9.14E-07	5.90E-08	9.73E-07	1.96E-07	1.62E-08	2.12E-07	9.85E-07	7.70E-08	1.06E-06	1.25E-07	8.83E-09	1.34E-07
1211	437356.14	3725839.58	6.60E-07	3.93E-08	7.00E-07	1.41E-07	1.07E-08	1.52E-07	7.11E-07	5.08E-08	7.62E-07	8.92E-08	5.80E-09	9.50E-08
1212	437362.93	3725845.43	6.66E-07	3.97E-08	7.05E-07	1.42E-07	1.08E-08	1.53E-07	7.17E-07	5.12E-08	7.68E-07	9.00E-08	5.85E-09	9.58E-08
1213	437336.55	3725862.3	5.66E-07	3.25E-08	5.99E-07	1.21E-07	8.78E-09	1.29E-07	6.10E-07	4.17E-08	6.51E-07	7.60E-08	4.75E-09	8.08E-08
1214	437343.33	3725868.15	5.73E-07	3.29E-08	6.06E-07	1.22E-07	8.89E-09	1.31E-07	6.17E-07	4.22E-08	6.59E-07	7.69E-08	4.81E-09	8.17E-08
1215	437290.83	3725915.3	4.06E-07	2.14E-08	4.28E-07	8.60E-08	5.71E-09	9.17E-08	4.37E-07	2.71E-08	4.64E-07	5.38E-08	3.08E-09	5.68E-08
1216	437297.61	3725921.15	4.11E-07	2.17E-08	4.32E-07	8.70E-08	5.79E-09	9.28E-08	4.42E-07	2.75E-08	4.69E-07	5.44E-08	3.12E-09	5.75E-08
1217	437264.7	3725945.59	3.45E-07	1.74E-08	3.63E-07	7.29E-08	4.62E-09	7.75E-08	3.71E-07	2.19E-08	3.93E-07	4.54E-08	2.49E-09	4.79E-08
1218	437271.48	3725951.44	3.49E-07	1.76E-08	3.66E-07	7.37E-08	4.68E-09	7.83E-08	3.75E-07	2.22E-08	3.97E-07	4.59E-08	2.52E-09	4.84E-08
1219	437245.36	3725981.73	3.00E-07	1.46E-08	3.14E-07	6.32E-08	3.84E-09	6.70E-08	3.22E-07	1.82E-08	3.40E-07	3.92E-08	2.06E-09	4.12E-08
1220	437219.23	3726012.02	2.61E-07	1.23E-08	2.73E-07	5.49E-08	3.21E-09	5.81E-08	2.80E-07	1.52E-08	2.96E-07	3.39E-08	1.72E-09	3.57E-08
1221	437193.11	3726042.31	2.31E-07	1.05E-08	2.42E-07	4.85E-08	2.74E-09	5.13E-08	2.48E-07	1.30E-08	2.61E-07	2.99E-08	1.46E-09	3.14E-08
1222	437166.98	3726072.6	2.09E-07	9.29E-09	2.18E-07	4.38E-08	2.40E-09	4.62E-08	2.24E-07	1.14E-08	2.36E-07	2.69E-08	1.28E-09	2.82E-08
1223	437140.85	3726102.89	1.94E-07	8.45E-09	2.02E-07	4.06E-08	2.18E-09	4.27E-08	2.08E-07	1.03E-08	2.18E-07	2.49E-08	1.16E-09	2.61E-08
1224	437114.73	3726133.18	1.81E-07	7.79E-09	1.89E-07	3.80E-08	2.00E-09	4.00E-08	1.95E-07	9.50E-09	2.04E-07	2.33E-08	1.07E-09	2.43E-08
1225	437719.82	3725444.76	2.95E-05	7.03E-07	3.03E-05	5.94E-06	1.42E-07	6.08E-06	3.15E-05	6.71E-07	3.22E-05	3.40E-06	6.87E-08	3.47E-06
1226	437728.16	3725437.23	3.18E-05	6.95E-07	3.25E-05	6.38E-06	1.34E-07	6.51E-06	3.39E-05	6.29E-07	3.45E-05	3.63E-06	6.27E-08	3.69E-06
1227	437738	3725425.67	3.54E-05	7.04E-07	3.61E-05	7.07E-06	1.27E-07	7.20E-06	3.77E-05	5.96E-07	3.83E-05	4.00E-06	5.75E-08	4.06E-06
1228	437726.3	3725451.82	2.63E-05	6.50E-07	2.69E-05	5.29E-06	1.34E-07	5.42E-06	2.80E-05	6.33E-07	2.86E-05	3.03E-06	6.54E-08	3.10E-06

1229	437712.3	3725454.87	2.61E-05	7.09E-07	2.68E-05	5.28E-06	1.53E-07	5.43E-06	2.79E-05	7.25E-07	2.86E-05	3.05E-06	7.64E-08	3.13E-06
1230	437735.78	3725443.71	2.80E-05	6.31E-07	2.86E-05	5.61E-06	1.24E-07	5.73E-06	2.98E-05	5.83E-07	3.04E-05	3.20E-06	5.88E-08	3.26E-06
1231	437745.62	3725432.15	3.04E-05	6.27E-07	3.10E-05	6.08E-06	1.16E-07	6.19E-06	3.24E-05	5.46E-07	3.29E-05	3.45E-06	5.34E-08	3.50E-06
1232	437733.34	3725458.59	2.35E-05	6.00E-07	2.41E-05	4.75E-06	1.26E-07	4.87E-06	2.51E-05	5.94E-07	2.57E-05	2.73E-06	6.18E-08	2.79E-06
1233	437723.07	3725463.82	2.30E-05	6.39E-07	2.36E-05	4.65E-06	1.40E-07	4.79E-06	2.45E-05	6.61E-07	2.52E-05	2.69E-06	7.00E-08	2.76E-06
1234	437712.46	3725464.64	2.31E-05	6.89E-07	2.38E-05	4.68E-06	1.55E-07	4.84E-06	2.46E-05	7.33E-07	2.54E-05	2.73E-06	7.86E-08	2.80E-06
1235	437701.51	3725461.05	2.41E-05	7.50E-07	2.49E-05	4.91E-06	1.72E-07	5.08E-06	2.58E-05	8.12E-07	2.66E-05	2.87E-06	8.75E-08	2.95E-06
1236	437743.39	3725450.2	2.47E-05	5.75E-07	2.53E-05	4.96E-06	1.15E-07	5.08E-06	2.63E-05	5.42E-07	2.69E-05	2.84E-06	5.51E-08	2.89E-06
1237	437753.23	3725438.64	2.64E-05	5.63E-07	2.70E-05	5.29E-06	1.07E-07	5.39E-06	2.81E-05	5.02E-07	2.86E-05	3.00E-06	4.98E-08	3.05E-06
1238	437740.61	3725465.25	2.12E-05	5.54E-07	2.18E-05	4.29E-06	1.18E-07	4.40E-06	2.27E-05	5.56E-07	2.32E-05	2.47E-06	5.82E-08	2.53E-06
1239	437729.66	3725470.83	2.09E-05	5.97E-07	2.15E-05	4.23E-06	1.32E-07	4.36E-06	2.23E-05	6.24E-07	2.29E-05	2.45E-06	6.64E-08	2.52E-06
1240	437712.86	3725474.49	2.07E-05	6.76E-07	2.14E-05	4.22E-06	1.58E-07	4.38E-06	2.21E-05	7.45E-07	2.29E-05	2.48E-06	8.08E-08	2.56E-06
1241	437701.18	3725470.66	2.17E-05	7.49E-07	2.25E-05	4.44E-06	1.78E-07	4.62E-06	2.32E-05	8.41E-07	2.41E-05	2.62E-06	9.19E-08	2.71E-06
1242	437751.01	3725456.68	2.20E-05	5.26E-07	2.25E-05	4.43E-06	1.07E-07	4.53E-06	2.35E-05	5.04E-07	2.40E-05	2.54E-06	5.16E-08	2.59E-06
1243	437760.85	3725445.12	2.31E-05	5.09E-07	2.36E-05	4.64E-06	9.85E-08	4.74E-06	2.46E-05	4.64E-07	2.51E-05	2.64E-06	4.64E-08	2.69E-06
1244	437748	3725471.85	1.93E-05	5.13E-07	1.98E-05	3.89E-06	1.10E-07	4.00E-06	2.05E-05	5.20E-07	2.11E-05	2.25E-06	5.46E-08	2.30E-06
1245	437736.59	3725477.66	1.91E-05	5.55E-07	1.96E-05	3.86E-06	1.24E-07	3.99E-06	2.03E-05	5.86E-07	2.09E-05	2.25E-06	6.25E-08	2.31E-06
1246	437725.18	3725483.47	1.85E-05	6.00E-07	1.91E-05	3.77E-06	1.40E-07	3.91E-06	1.98E-05	6.60E-07	2.04E-05	2.21E-06	7.15E-08	2.28E-06
1247	437713.39	3725484.38	1.88E-05	6.66E-07	1.95E-05	3.84E-06	1.60E-07	4.00E-06	2.01E-05	7.55E-07	2.08E-05	2.27E-06	8.28E-08	2.35E-06
1248	437701.22	3725480.39	1.98E-05	7.51E-07	2.06E-05	4.07E-06	1.84E-07	4.25E-06	2.12E-05	8.69E-07	2.21E-05	2.42E-06	9.59E-08	2.52E-06
1249	437758.62	3725463.16	1.98E-05	4.84E-07	2.02E-05	3.98E-06	9.96E-08	4.08E-06	2.11E-05	4.70E-07	2.15E-05	2.28E-06	4.84E-08	2.33E-06
1250	437755.45	3725478.41	1.75E-05	4.75E-07	1.80E-05	3.55E-06	1.03E-07	3.65E-06	1.87E-05	4.86E-07	1.92E-05	2.05E-06	5.12E-08	2.10E-06
1251	437743.71	3725484.39	1.74E-05	5.15E-07	1.79E-05	3.54E-06	1.16E-07	3.65E-06	1.86E-05	5.47E-07	1.92E-05	2.06E-06	5.85E-08	2.12E-06
1252	437731.98	3725490.37	1.71E-05	5.58E-07	1.76E-05	3.48E-06	1.30E-07	3.61E-06	1.82E-05	6.16E-07	1.88E-05	2.04E-06	6.69E-08	2.11E-06
1253	437713.98	3725494.3	1.72E-05	6.57E-07	1.79E-05	3.53E-06	1.61E-07	3.69E-06	1.84E-05	7.62E-07	1.92E-05	2.10E-06	8.42E-08	2.19E-06
1254	437701.47	3725490.19	1.83E-05	7.53E-07	1.90E-05	3.77E-06	1.88E-07	3.96E-06	1.95E-05	8.92E-07	2.04E-05	2.26E-06	9.93E-08	2.36E-06
1255	437688.96	3725486.07	1.93E-05	8.73E-07	2.02E-05	4.01E-06	2.23E-07	4.24E-06	2.07E-05	1.06E-06	2.18E-05	2.43E-06	1.19E-07	2.55E-06
1256	437766.24	3725469.64	1.79E-05	4.46E-07	1.83E-05	3.60E-06	9.29E-08	3.69E-06	1.90E-05	4.38E-07	1.95E-05	2.07E-06	4.54E-08	2.11E-06
1257	437762.94	3725484.96	1.60E-05	4.40E-07	1.65E-05	3.24E-06	9.60E-08	3.34E-06	1.71E-05	4.53E-07	1.75E-05	1.88E-06	4.79E-08	1.92E-06
1258	437750.96	3725491.06	1.60E-05	4.78E-07	1.65E-05	3.25E-06	1.08E-07	3.35E-06	1.71E-05	5.10E-07	1.76E-05	1.89E-06	5.46E-08	1.95E-06
1259	437738.98	3725497.17	1.57E-05	5.18E-07	1.63E-05	3.21E-06	1.21E-07	3.33E-06	1.68E-05	5.73E-07	1.74E-05	1.89E-06	6.23E-08	1.95E-06
1260	437727	3725503.27	1.55E-05	5.70E-07	1.60E-05	3.17E-06	1.38E-07	3.31E-06	1.65E-05	6.55E-07	1.72E-05	1.88E-06	7.21E-08	1.95E-06
1261	437714.62	3725504.22	1.58E-05	6.46E-07	1.65E-05	3.27E-06	1.61E-07	3.43E-06	1.70E-05	7.64E-07	1.77E-05	1.96E-06	8.49E-08	2.04E-06
1262	437701.85	3725500.03	1.69E-05	7.52E-07	1.77E-05	3.51E-06	1.92E-07	3.70E-06	1.82E-05	9.08E-07	1.91E-05	2.12E-06	1.02E-07	2.23E-06
1263	437689.07	3725495.83	1.82E-05	8.91E-07	1.91E-05	3.79E-06	2.32E-07	4.03E-06	1.95E-05	1.10E-06	2.06E-05	2.32E-06	1.24E-07	2.44E-06
1264	437676.3	3725491.63	1.97E-05	1.08E-06	2.08E-05	4.14E-06	2.87E-07	4.43E-06	2.11E-05	1.36E-06	2.25E-05	2.56E-06	1.55E-07	2.72E-06
1265	437773.85	3725476.12	1.62E-05	4.12E-07	1.66E-05	3.27E-06	8.68E-08	3.35E-06	1.73E-05	4.09E-07	1.77E-05	1.88E-06	4.26E-08	1.92E-06
1266	437770.46	3725491.49	1.47E-05	4.08E-07	1.51E-05	2.97E-06	8.96E-08	3.06E-06	1.57E-05	4.23E-07	1.61E-05	1.72E-06	4.48E-08	1.77E-06
1267	437758.29	3725497.69	1.47E-05	4.43E-07	1.51E-05	2.99E-06	1.00E-07	3.09E-06	1.57E-05	4.74E-07	1.62E-05	1.74E-06	5.09E-08	1.79E-06
1268	437746.12	3725503.89	1.46E-05	4.80E-07	1.50E-05	2.97E-06	1.12E-07	3.08E-06	1.56E-05	5.32E-07	1.61E-05	1.75E-06	5.78E-08	1.80E-06
1269	437733.95	3725510.09	1.43E-05	5.26E-07	1.49E-05	2.94E-06	1.28E-07	3.07E-06	1.53E-05	6.04E-07	1.59E-05	1.75E-06	6.65E-08	1.81E-06
1270	437715.29	3725514.16	1.47E-05	6.32E-07	1.53E-05	3.03E-06	1.60E-07	3.19E-06	1.57E-05	7.58E-07	1.65E-05	1.83E-06	8.47E-08	1.91E-06
1271	437702.31	3725509.9	1.58E-05	7.45E-07	1.65E-05	3.29E-06	1.92E-07	3.48E-06	1.69E-05	9.12E-07	1.78E-05	2.00E-06	1.03E-07	2.10E-06
1272	437689.33	3725505.63	1.71E-05	8.98E-07	1.80E-05	3.59E-06	2.37E-07	3.83E-06	1.84E-05	1.12E-06	1.95E-05	2.21E-06	1.27E-07	2.34E-06
1273	437676.36	3725501.37	1.89E-05	1.12E-06	2.01E-05	4.01E-06	3.01E-07	4.31E-06	2.04E-05	1.43E-06	2.18E-05	2.50E-06	1.63E-07	2.67E-06
1274	437781.47	3725482.6	1.47E-05	3.81E-07	1.51E-05	2.97E-06	8.07E-08	3.05E-06	1.57E-05	3.81E-07	1.61E-05	1.71E-06	3.98E-08	1.75E-06
1275	437791.31	3725471.04	1.50E-05	3.62E-07	1.53E-05	3.01E-06	7.41E-08	3.09E-06	1.59E-05	3.50E-07	1.63E-05	1.73E-06	3.60E-08	1.76E-06
1276	437778	3725498.01	1.34E-05	3.78E-07	1.38E-05	2.72E-06	8.33E-08	2.81E-06	1.43E-05	3.94E-07	1.47E-05	1.58E-06	4.18E-08	1.62E-06
1277	437765.68	3725504.29	1.36E-05	4.11E-07	1.40E-05	2.75E-06	9.33E-08	2.85E-06	1.45E-05	4.41E-07	1.49E-05	1.61E-06	4.74E-08	1.65E-06
1278	437753.36	3725510.57	1.35E-05	4.44E-07	1.39E-05	2.75E-06	1.04E-07	2.85E-06	1.44E-05	4.93E-07	1.49E-05	1.62E-06	5.36E-08	1.67E-06
1279	437741.03	3725516.84	1.33E-05	4.86E-07	1.38E-05	2.73E-06	1.17E-07	2.85E-06	1.42E-05	5.56E-07	1.48E-05	1.62E-06	6.12E-08	1.68E-06
1280	437728.71	3725523.12	1.32E-05	5.37E-07	1.37E-05	2.71E-06	1.34E-07	2.85E-06	1.41E-05	6.36E-07	1.47E-05	1.63E-06	7.07E-08	1.70E-06
1281	437715.98	3725524.11	1.36E-05	6.15E-07	1.42E-05	2.82E-06	1.57E-07	2.98E-06	1.46E-05	7.46E-07	1.53E-05	1.71E-06	8.37E-08	1.79E-06
1282	437702.84	3725519.79	1.47E-05	7.31E-07	1.55E-05	3.07E-06	1.91E-07	3.27E-06	1.58E-05	9.04E-07	1.67E-05	1.88E-06	1.02E-07	1.98E-06
1283	437689.7	3725515.47	1.61E-05	8.92E-07	1.70E-05	3.40E-06	2.38E-07	3.63E-06	1.73E-05	1.13E-06	1.85E-05	2.11E-06	1.28E-07	2.23E-06
1284	437676.56	3725511.16	1.81E-05	1.13E-06	1.93E-05	3.85E-06	3.07E-07	4.16E-06	1.95E-05	1.46E-06	2.10E-05	2.43E-06	1.66E-07	2.59E-06
1285	437789.08	3725489.09	1.34E-05	3.52E-07	1.38E-05	2.71E-06	7.52E-08	2.78E-06	1.43E-05	3.55E-07	1.47E-05	1.56E-06	3.72E-08	1.60E-06
1286	437798.92	3725477.53	1.36E-05	3.34E-07	1.39E-05	2.74E-06	6.92E-08	2.80E-06	1.45E-05	3.26E-07	1.48E-05	1.57E-06	3.37E-08	1.61E-06
1287	437785.55	3725504.52	1.24E-05	3.50E-07	1.27E-05	2.50E-06	7.75E-08	2.58E-06	1.32E-05	3.66E-07	1.35E-05	1.45E-06	3.89E-08	1.49E-06
1288	437773.11	3725510.86	1.25E-05	3.80E-07	1.29E-05	2.54E-06	8.66E-08	2.63E-06	1.34E-05	4.09E-07	1.38E-05	1.48E-06	4.40E-08	1.53E-06
1289	437760.66	3725517.21	1.25E-05	4.11E-07	1.29E-05	2.55E-06	9.64E-08	2.64E-06	1.33E-05	4.56E-07	1.38E-05	1.50E-06	4.96E-08	1.55E-06
1290	437748.21	3725523.55	1.24E-05	4.48E-07	1.28E-05	2.54E-06	1.08E-07	2.64E-06	1.32E-05	5.12E-07	1.37E-05	1.50E-06	5.63E-08	1.56E-06
1291	437735.76	3725529.89	1.22E-05	4.93E-07	1.27E-05	2.52E-06	1.23E-07	2.65E-06	1.31E-05	5.81E-07	1.37E-05	1.51E-06	6.45E-08	1.58E-06
1292	437716.68	3725534.05	1.26E-05	5.95E-07	1.32E-05	2.63E-06	1.54E-07	2.78E-06	1.35E-05	7.28E-07	1.43E-05	1.60E-06	8.19E-08	1.68E-06
1293	437703.41	3725529.69	1.37E-05	7.09E-07	1.44E-05	2.88E-06	1.87E-07	3.06E-06	1.47E-05	8.85E-07	1.56E-05	1.77E-06	1.00E-07	1.87E-06
1294	437690.13	3725525.33	1.51E-05	8.71E-07	1.60E-05	3.20E-06	2.34E-07	3.43E-06	1.63E-05	1.11E-06	1.74E-05	1.99E-06	1.26E-07	2.12E-06
1295	437676.86	3725520.97	1.72E-05	1.11E-06	1.83E-05	3.66E-06	3.04E-07	3.97E-06	1.85E-05	1.44E-06	1.99E-05	2.32E-06	1.65E-07	2.48E-06
1296	437663.59	3725516.61	2.05E-05	1.51E-06	2.20E-05	4.42E-06	4.19E-07	4.84E-06	2.21E-05	1.99E-06	2.41E-05	2.85E-06	2.29E-07	3.08E-06
1297	437796.7	3725495.57	1.23E-05	3.26E-07	1.26E-05	2.48E-06	7.01E-08	2.55E-06	1.31E-05	3.31E-07	1.34E-05	1.43E-06	3.48E-08	1.47E-06
1298	437806.54	3725484.01	1.24E-05	3.10E-07	1.27E-05	2.50E-06	6.47E-08	2.56E-06	1.32E-05	3.05E-07	1.35E-05	1.44E-06	3.17E-08	1.47E-06
1299	437800.69	3725517.53	1.05E-05	3.00E-07	1.08E-05	2.12E-06	6.69E-08	2.19E-06	1.12E-05	3.16E-07	1.15E-05	1.23E-06	3.37E-08	1.27E-06
1300	437788.05	3725523.97	1.07E-05	3.27E-07	1.10E-05	2.18E-06	7.47E-08	2.25E-06	1.14E-05	3.53E-07	1.18E-05	1.27E-06	3.80E-08	1.31E-06
1301	437775.41	3725530.41	1.07E-05	3.53E-07	1.11E-05	2.19E-06	8.27E-08	2.28E-06	1.15E-05	3.91E-07	1.19E-05	1.29E-06	4.25E-08	1.33E-06
1302	437762.77	3725536.85	1.07E-05	3.82E-07	1.11E-05	2.20E-06	9.19E-08	2.29E-06	1.15E-05	4.35E-07	1.19E-05	1.30E-06	4.77E-08	1.35E-06
1303	437750.13	3725543.29	1.06E-05	4.15E-07	1.11E-05	2.19E-06	1.03E-07	2.29E-06	1.14E-05	4.86E-07	1.19E-05	1.31E-06	5.38E-08	1.36E-06
1304	437737.49	3725549.73	1.06E-05	4.56E-07	1.10E-05	2.19E-06	1.15E-07	2.30E-06	1.13E-05	5.47E-07	1.19E-05	1.32E-06	6.11E-08	1.38E-06
1305	437718.11	3725553.96	1.09E-05	5.47E-07	1.15E-05	2.29E-06	1.43E-07	2.43E-06	1.17E-05	6.78E-07	1.24E-05	1.40E-06	7.65E-08	1.48E-06

1306	437704.64	3725549.53	1.19E-05	6.52E-07	1.26E-05	2.51E-06	1.73E-07	2.68E-06	1.28E-05	8.22E-07	1.36E-05	1.55E-06	9.33E-08	1.65E-06
1307	437691.16	3725545.11	1.32E-05	7.97E-07	1.40E-05	2.80E-06	2.16E-07	3.01E-06	1.42E-05	1.02E-06	1.52E-05	1.76E-06	1.17E-07	1.87E-06
1308	437677.68	3725540.68	1.50E-05	1.01E-06	1.60E-05	3.21E-06	2.78E-07	3.49E-06	1.62E-05	1.32E-06	1.75E-05	2.04E-06	1.51E-07	2.19E-06
1309	437664.21	3725536.25	1.78E-05	1.34E-06	1.92E-05	3.85E-06	3.75E-07	4.23E-06	1.92E-05	1.78E-06	2.10E-05	2.49E-06	2.05E-07	2.70E-06
1310	437650.73	3725531.82	2.26E-05	1.91E-06	2.46E-05	4.95E-06	5.40E-07	5.49E-06	2.45E-05	2.56E-06	2.70E-05	3.26E-06	2.96E-07	3.56E-06
1311	437811.93	3725508.53	1.04E-05	2.81E-07	1.06E-05	2.10E-06	6.10E-08	2.16E-06	1.11E-05	2.88E-07	1.13E-05	1.21E-06	3.04E-08	1.25E-06
1312	437821.77	3725496.97	1.04E-05	2.67E-07	1.07E-05	2.10E-06	5.66E-08	2.16E-06	1.11E-05	2.67E-07	1.14E-05	1.21E-06	2.79E-08	1.24E-06
1313	437815.85	3725530.53	8.95E-06	2.59E-07	9.21E-06	1.82E-06	5.79E-08	1.87E-06	9.55E-06	2.74E-07	9.83E-06	1.06E-06	2.92E-08	1.09E-06
1314	437803.07	3725537.04	9.21E-06	2.82E-07	9.49E-06	1.87E-06	6.44E-08	1.94E-06	9.83E-06	3.05E-07	1.01E-05	1.10E-06	3.28E-08	1.13E-06
1315	437790.29	3725543.56	9.31E-06	3.04E-07	9.61E-06	1.90E-06	7.11E-08	1.97E-06	9.94E-06	3.36E-07	1.03E-05	1.12E-06	3.65E-08	1.15E-06
1316	437777.51	3725550.07	9.32E-06	3.27E-07	9.65E-06	1.91E-06	7.83E-08	1.99E-06	9.97E-06	3.70E-07	1.03E-05	1.13E-06	4.06E-08	1.17E-06
1317	437764.73	3725556.58	9.29E-06	3.53E-07	9.64E-06	1.91E-06	8.65E-08	2.00E-06	9.94E-06	4.09E-07	1.03E-05	1.14E-06	4.52E-08	1.18E-06
1318	437751.95	3725563.09	9.23E-06	3.82E-07	9.61E-06	1.91E-06	9.59E-08	2.00E-06	9.88E-06	4.54E-07	1.03E-05	1.15E-06	5.06E-08	1.20E-06
1319	437739.17	3725569.6	9.17E-06	4.16E-07	9.58E-06	1.91E-06	1.07E-07	2.01E-06	9.83E-06	5.06E-07	1.03E-05	1.16E-06	5.68E-08	1.21E-06
1320	437719.58	3725573.88	9.50E-06	4.93E-07	9.99E-06	1.99E-06	1.30E-07	2.12E-06	1.02E-05	6.16E-07	1.08E-05	1.23E-06	6.97E-08	1.30E-06
1321	437705.95	3725569.4	1.03E-05	5.83E-07	1.09E-05	2.18E-06	1.56E-07	2.34E-06	1.11E-05	7.40E-07	1.18E-05	1.36E-06	8.42E-08	1.44E-06
1322	437692.32	3725564.92	1.14E-05	7.04E-07	1.21E-05	2.42E-06	1.91E-07	2.61E-06	1.22E-05	9.06E-07	1.31E-05	1.52E-06	1.04E-07	1.63E-06
1323	437678.7	3725560.45	1.28E-05	8.72E-07	1.37E-05	2.74E-06	2.40E-07	2.98E-06	1.38E-05	1.14E-06	1.49E-05	1.75E-06	1.31E-07	1.88E-06
1324	437665.07	3725555.97	1.49E-05	1.12E-06	1.60E-05	3.22E-06	3.13E-07	3.54E-06	1.61E-05	1.49E-06	1.76E-05	2.09E-06	1.71E-07	2.26E-06
1325	437651.44	3725551.49	1.82E-05	1.51E-06	1.97E-05	3.97E-06	4.26E-07	4.40E-06	1.97E-05	2.02E-06	2.17E-05	2.61E-06	2.34E-07	2.84E-06
1326	437637.82	3725547.02	2.37E-05	2.15E-06	2.59E-05	5.23E-06	6.13E-07	5.85E-06	2.57E-05	2.91E-06	2.86E-05	3.49E-06	3.37E-07	3.82E-06
1327	437827.16	3725521.5	8.82E-06	2.43E-07	9.06E-06	1.79E-06	5.31E-08	1.84E-06	9.41E-06	2.51E-07	9.67E-06	1.04E-06	2.66E-08	1.06E-06
1328	437837	3725509.94	8.82E-06	2.31E-07	9.05E-06	1.78E-06	4.96E-08	1.83E-06	9.41E-06	2.34E-07	9.64E-06	1.03E-06	2.45E-08	1.06E-06
1329	437779.48	3725569.79	8.15E-06	3.02E-07	8.45E-06	1.67E-06	7.36E-08	1.75E-06	8.72E-06	3.48E-07	9.07E-06	9.96E-07	3.84E-08	1.03E-06
1330	437766.59	3725576.36	8.11E-06	3.24E-07	8.44E-06	1.67E-06	8.07E-08	1.75E-06	8.68E-06	3.82E-07	9.06E-06	1.00E-06	4.24E-08	1.05E-06
1331	437753.7	3725582.92	8.06E-06	3.50E-07	8.41E-06	1.67E-06	8.88E-08	1.76E-06	8.64E-06	4.21E-07	9.06E-06	1.01E-06	4.70E-08	1.06E-06
1332	437740.81	3725589.49	8.01E-06	3.78E-07	8.39E-06	1.67E-06	9.77E-08	1.77E-06	8.59E-06	4.63E-07	9.05E-06	1.02E-06	5.21E-08	1.07E-06
1333	437721.06	3725593.8	8.25E-06	4.38E-07	8.69E-06	1.73E-06	1.16E-07	1.85E-06	8.86E-06	5.50E-07	9.41E-06	1.07E-06	6.24E-08	1.13E-06
1334	437707.31	3725589.29	8.92E-06	5.13E-07	9.44E-06	1.89E-06	1.38E-07	2.02E-06	9.59E-06	6.53E-07	1.02E-05	1.18E-06	7.43E-08	1.25E-06
1335	437693.57	3725584.77	9.75E-06	6.08E-07	1.04E-05	2.07E-06	1.65E-07	2.24E-06	1.05E-05	7.85E-07	1.13E-05	1.31E-06	8.97E-08	1.40E-06
1336	437679.83	3725580.26	1.08E-05	7.37E-07	1.16E-05	2.32E-06	2.03E-07	2.52E-06	1.17E-05	9.62E-07	1.26E-05	1.48E-06	1.10E-07	1.59E-06
1337	437666.09	3725575.74	1.23E-05	9.14E-07	1.32E-05	2.66E-06	2.55E-07	2.92E-06	1.33E-05	1.21E-06	1.45E-05	1.72E-06	1.39E-07	1.86E-06
1338	437652.35	3725571.23	1.45E-05	1.17E-06	1.56E-05	3.15E-06	3.29E-07	3.48E-06	1.56E-05	1.56E-06	1.72E-05	2.06E-06	1.80E-07	2.24E-06
1339	437638.61	3725566.71	1.77E-05	1.55E-06	1.93E-05	3.89E-06	4.41E-07	4.33E-06	1.92E-05	2.09E-06	2.13E-05	2.58E-06	2.42E-07	2.82E-06
1340	437624.87	3725562.2	2.31E-05	2.17E-06	2.52E-05	5.11E-06	6.21E-07	5.73E-06	2.50E-05	2.95E-06	2.79E-05	3.43E-06	3.42E-07	3.77E-06
1341	437846.21	3725556.51	6.68E-06	1.95E-07	6.87E-06	1.36E-06	4.39E-08	1.40E-06	7.13E-06	2.07E-07	7.34E-06	7.92E-07	2.22E-08	8.14E-07
1342	437833.24	3725563.12	6.88E-06	2.10E-07	7.09E-06	1.40E-06	4.80E-08	1.45E-06	7.35E-06	2.27E-07	7.58E-06	8.20E-07	2.45E-08	8.45E-07
1343	437820.27	3725569.73	7.05E-06	2.27E-07	7.28E-06	1.44E-06	5.27E-08	1.49E-06	7.53E-06	2.49E-07	7.78E-06	8.46E-07	2.71E-08	8.73E-07
1344	437755.41	3725602.78	7.04E-06	3.16E-07	7.36E-06	1.46E-06	8.08E-08	1.54E-06	7.55E-06	3.83E-07	7.93E-06	8.88E-07	4.29E-08	9.31E-07
1345	437742.44	3725609.39	6.95E-06	3.36E-07	7.29E-06	1.45E-06	8.74E-08	1.54E-06	7.46E-06	4.14E-07	7.87E-06	8.88E-07	4.67E-08	9.35E-07
1346	437722.55	3725613.73	7.10E-06	3.82E-07	7.48E-06	1.49E-06	1.02E-07	1.60E-06	7.62E-06	4.81E-07	8.11E-06	9.25E-07	5.46E-08	9.80E-07
1347	437708.72	3725609.18	7.64E-06	4.42E-07	8.08E-06	1.62E-06	1.19E-07	1.73E-06	8.21E-06	5.63E-07	8.78E-06	1.01E-06	6.41E-08	1.07E-06
1348	437694.88	3725604.64	8.30E-06	5.17E-07	8.82E-06	1.77E-06	1.40E-07	1.91E-06	8.93E-06	6.67E-07	9.60E-06	1.11E-06	7.62E-08	1.19E-06
1349	437681.05	3725600.09	9.12E-06	6.13E-07	9.74E-06	1.95E-06	1.69E-07	2.12E-06	9.83E-06	8.00E-07	1.06E-05	1.24E-06	9.18E-08	1.34E-06
1350	437667.22	3725595.55	1.01E-05	7.35E-07	1.09E-05	2.18E-06	2.04E-07	2.39E-06	1.09E-05	9.69E-07	1.19E-05	1.41E-06	1.11E-07	1.52E-06
1351	437653.39	3725591.01	1.15E-05	8.97E-07	1.23E-05	2.49E-06	2.51E-07	2.74E-06	1.24E-05	1.19E-06	1.36E-05	1.62E-06	1.38E-07	1.76E-06
1352	437639.56	3725586.46	1.33E-05	1.12E-06	1.45E-05	2.92E-06	3.17E-07	3.23E-06	1.44E-05	1.50E-06	1.59E-05	1.92E-06	1.74E-07	2.09E-06
1353	437625.73	3725581.92	1.60E-05	1.44E-06	1.74E-05	3.53E-06	4.09E-07	3.93E-06	1.73E-05	1.94E-06	1.93E-05	2.35E-06	2.25E-07	2.57E-06
1354	437611.89	3725577.37	2.01E-05	1.91E-06	2.20E-05	4.45E-06	5.47E-07	5.00E-06	2.18E-05	2.60E-06	2.44E-05	2.99E-06	3.01E-07	3.29E-06
1355	437857.62	3725547.42	6.56E-06	1.84E-07	6.75E-06	1.33E-06	4.08E-08	1.37E-06	7.01E-06	1.93E-07	7.20E-06	7.75E-07	2.05E-08	7.95E-07
1356	437867.46	3725535.86	6.52E-06	1.76E-07	6.70E-06	1.32E-06	3.84E-08	1.36E-06	6.96E-06	1.81E-07	7.14E-06	7.67E-07	1.92E-08	7.86E-07
1357	437861.41	3725569.49	5.82E-06	1.71E-07	5.99E-06	1.18E-06	3.85E-08	1.22E-06	6.22E-06	1.82E-07	6.40E-06	6.91E-07	1.95E-08	7.11E-07
1358	437848.37	3725576.13	5.99E-06	1.82E-07	6.17E-06	1.22E-06	4.17E-08	1.26E-06	6.40E-06	1.97E-07	6.60E-06	7.15E-07	2.12E-08	7.36E-07
1359	437809.24	3725596.07	6.34E-06	2.25E-07	6.56E-06	1.30E-06	5.41E-08	1.35E-06	6.78E-06	2.56E-07	7.03E-06	7.71E-07	2.81E-08	7.99E-07
1360	437796.2	3725602.71	6.34E-06	2.39E-07	6.57E-06	1.30E-06	5.85E-08	1.36E-06	6.78E-06	2.77E-07	7.06E-06	7.77E-07	3.06E-08	8.08E-07
1361	437724.05	3725633.65	6.13E-06	3.33E-07	6.46E-06	1.29E-06	8.86E-08	1.38E-06	6.59E-06	4.20E-07	7.01E-06	8.01E-07	4.77E-08	8.49E-07
1362	437710.14	3725629.09	6.56E-06	3.80E-07	6.94E-06	1.39E-06	1.02E-07	1.49E-06	7.05E-06	4.84E-07	7.53E-06	8.67E-07	5.52E-08	9.23E-07
1363	437696.24	3725624.52	7.06E-06	4.37E-07	7.49E-06	1.50E-06	1.19E-07	1.62E-06	7.59E-06	5.63E-07	8.16E-06	9.46E-07	6.44E-08	1.01E-06
1364	437682.33	3725619.95	7.65E-06	5.07E-07	8.15E-06	1.64E-06	1.39E-07	1.77E-06	8.23E-06	6.60E-07	8.89E-06	1.04E-06	7.57E-08	1.12E-06
1365	437668.43	3725615.38	8.33E-06	5.91E-07	8.92E-06	1.79E-06	1.64E-07	1.96E-06	8.98E-06	7.78E-07	9.76E-06	1.15E-06	8.94E-08	1.24E-06
1366	437654.52	3725610.81	9.17E-06	6.96E-07	9.87E-06	1.99E-06	1.94E-07	2.18E-06	9.90E-06	9.23E-07	1.08E-05	1.29E-06	1.06E-07	1.39E-06
1367	437640.62	3725606.25	1.03E-05	8.30E-07	1.11E-05	2.24E-06	2.34E-07	2.47E-06	1.11E-05	1.11E-06	1.22E-05	1.47E-06	1.28E-07	1.59E-06
1368	437626.71	3725601.68	1.17E-05	1.00E-06	1.27E-05	2.56E-06	2.84E-07	2.85E-06	1.26E-05	1.35E-06	1.40E-05	1.69E-06	1.56E-07	1.85E-06
1369	437612.81	3725597.11	1.35E-05	1.22E-06	1.47E-05	2.98E-06	3.47E-07	3.32E-06	1.46E-05	1.65E-06	1.63E-05	1.98E-06	1.91E-07	2.17E-06
1370	437872.85	3725560.39	5.74E-06	1.62E-07	5.90E-06	1.16E-06	3.60E-08	1.20E-06	6.12E-06	1.70E-07	6.29E-06	6.78E-07	1.81E-08	6.96E-07
1371	437882.69	3725548.83	5.68E-06	1.55E-07	5.84E-06	1.15E-06	3.40E-08	1.19E-06	6.07E-06	1.61E-07	6.23E-06	6.70E-07	1.70E-08	6.87E-07
1372	437824.22	3725609.16	5.56E-06	1.93E-07	5.75E-06	1.14E-06	4.63E-08	1.19E-06	5.94E-06	2.19E-07	6.16E-06	6.75E-07	2.40E-08	6.99E-07
1373	437811.12	3725615.84	5.57E-06	2.04E-07	5.77E-06	1.14E-06	4.97E-08	1.19E-06	5.96E-06	2.35E-07	6.19E-06	6.81E-07	2.59E-08	7.07E-07
1374	437798.02	3725622.51	5.55E-06	2.16E-07	5.76E-06	1.14E-06	5.34E-08	1.20E-06	5.94E-06	2.53E-07	6.19E-06	6.85E-07	2.80E-08	7.13E-07
1375	437784.93	3725629.18	5.51E-06	2.28E-07	5.74E-06	1.14E-06	5.72E-08	1.20E-06	5.90E-06	2.71E-07	6.17E-06	6.86E-07	3.02E-08	7.17E-07
1376	437771.83	3725635.86	5.45E-06	2.40E-07	5.69E-06	1.13E-06	6.12E-08	1.19E-06	5.84E-06	2.90E-07	6.13E-06	6.86E-07	3.25E-08	7.18E-07
1377	437758.73	3725642.53	5.36E-06	2.51E-07	5.61E-06	1.12E-06	6.50E-08	1.18E-06	5.75E-06	3.08E-07	6.06E-06	6.82E-07	3.47E-08	7.17E-07
1378	437711.59	3725649	5.64E-06	3.26E-07	5.96E-06	1.19E-06	8.77E-08	1.28E-06	6.06E-06	4.16E-07	6.48E-06	7.46E-07	4.74E-08	7.93E-07
1379	437697.62	3725644.41	6.01E-06	3.69E-07	6.38E-06	1.28E-06	1.00E-07	1.38E-06	6.47E-06	4.75E-07	6.94E-06	8.05E-07	5.43E-08	8.59E-07
1380	437683.66	3725639.82	6.44E-06	4.21E-07	6.86E-06	1.38E-06	1.15E-07	1.49E-06	6.94E-06	5.47E-07	7.48E-06	8.74E-07	6.26E-08	9.37E-07
1381	437669.69	3725635.23	6.93E-06	4.81E-07	7.41E-06	1.49E-06	1.33E-07	1.62E-06	7.47E-06	6.31E-07	8.10E-06	9.54E-07	7.24E-08	1.03E-06
1382	437888.08	3725573.35	5.07E-06	1.44E-07	5.22E-06	1.03E-06	3.22E-08	1.06E-06	5.42E-06	1.52E-07	5.57E-06	6.01E-07	1.62E-08	6.17E-07

1383	437897.92	3725561.79	5.01E-06	1.38E-07	5.15E-06	1.02E-06	3.04E-08	1.05E-06	5.35E-06	1.44E-07	5.49E-06	5.91E-07	1.52E-08	6.06E-07
1384	437891.81	3725595.44	4.61E-06	1.36E-07	4.74E-06	9.38E-07	3.07E-08	9.69E-07	4.92E-06	1.45E-07	5.07E-06	5.48E-07	1.56E-08	5.64E-07
1385	437878.67	3725602.14	4.70E-06	1.43E-07	4.85E-06	9.58E-07	3.27E-08	9.91E-07	5.02E-06	1.55E-07	5.18E-06	5.62E-07	1.67E-08	5.78E-07
1386	437865.52	3725608.84	4.78E-06	1.50E-07	4.93E-06	9.75E-07	3.48E-08	1.01E-06	5.11E-06	1.65E-07	5.27E-06	5.73E-07	1.78E-08	5.91E-07
1387	437812.94	3725635.63	4.95E-06	1.88E-07	5.14E-06	1.02E-06	4.61E-08	1.07E-06	5.30E-06	2.18E-07	5.52E-06	6.09E-07	2.41E-08	6.33E-07
1388	437799.8	3725642.33	4.94E-06	1.98E-07	5.13E-06	1.02E-06	4.93E-08	1.07E-06	5.29E-06	2.33E-07	5.52E-06	6.12E-07	2.59E-08	6.38E-07
1389	437786.65	3725649.03	4.88E-06	2.07E-07	5.09E-06	1.01E-06	5.23E-08	1.06E-06	5.23E-06	2.48E-07	5.48E-06	6.11E-07	2.77E-08	6.39E-07
1390	437773.51	3725655.73	4.80E-06	2.16E-07	5.01E-06	9.98E-07	5.53E-08	1.05E-06	5.14E-06	2.62E-07	5.41E-06	6.06E-07	2.94E-08	6.36E-07
1391	437760.36	3725662.42	4.71E-06	2.24E-07	4.94E-06	9.84E-07	5.82E-08	1.04E-06	5.05E-06	2.76E-07	5.33E-06	6.01E-07	3.11E-08	6.33E-07
1392	437747.22	3725669.12	4.61E-06	2.32E-07	4.84E-06	9.66E-07	6.09E-08	1.03E-06	4.95E-06	2.89E-07	5.23E-06	5.94E-07	3.27E-08	6.27E-07
1393	437903.31	3725586.31	4.50E-06	1.29E-07	4.63E-06	9.14E-07	2.88E-08	9.43E-07	4.80E-06	1.36E-07	4.94E-06	5.33E-07	1.45E-08	5.48E-07
1394	437913.15	3725574.75	4.43E-06	1.23E-07	4.55E-06	9.00E-07	2.72E-08	9.27E-07	4.73E-06	1.29E-07	4.86E-06	5.24E-07	1.37E-08	5.38E-07
1395	437907.02	3725608.42	4.10E-06	1.21E-07	4.22E-06	8.35E-07	2.74E-08	8.62E-07	4.38E-06	1.30E-07	4.51E-06	4.88E-07	1.39E-08	5.02E-07
1396	437893.84	3725615.14	4.21E-06	1.28E-07	4.34E-06	8.58E-07	2.93E-08	8.88E-07	4.50E-06	1.38E-07	4.64E-06	5.03E-07	1.49E-08	5.18E-07
1397	437880.65	3725621.85	4.29E-06	1.35E-07	4.43E-06	8.76E-07	3.12E-08	9.07E-07	4.59E-06	1.47E-07	4.73E-06	5.15E-07	1.59E-08	5.31E-07
1398	437854.28	3725635.29	4.41E-06	1.49E-07	4.56E-06	9.04E-07	3.55E-08	9.40E-07	4.72E-06	1.68E-07	4.89E-06	5.35E-07	1.83E-08	5.53E-07
1399	437841.1	3725642.01	4.45E-06	1.57E-07	4.61E-06	9.14E-07	3.79E-08	9.51E-07	4.76E-06	1.79E-07	4.94E-06	5.42E-07	1.97E-08	5.62E-07
1400	437827.91	3725648.73	4.47E-06	1.66E-07	4.63E-06	9.19E-07	4.05E-08	9.60E-07	4.78E-06	1.92E-07	4.97E-06	5.48E-07	2.11E-08	5.69E-07
1401	437775.17	3725675.6	4.27E-06	1.95E-07	4.46E-06	8.89E-07	5.02E-08	9.39E-07	4.58E-06	2.38E-07	4.81E-06	5.41E-07	2.67E-08	5.68E-07
1402	437761.98	3725682.32	4.17E-06	2.01E-07	4.37E-06	8.72E-07	5.23E-08	9.25E-07	4.48E-06	2.48E-07	4.73E-06	5.34E-07	2.80E-08	5.62E-07
1403	437748.8	3725689.04	4.06E-06	2.06E-07	4.27E-06	8.52E-07	5.42E-08	9.06E-07	4.36E-06	2.57E-07	4.62E-06	5.25E-07	2.91E-08	5.54E-07
1404	437587.99	3725647.26	6.57E-06	5.51E-07	7.12E-06	1.44E-06	1.56E-07	1.59E-06	7.10E-06	7.39E-07	7.84E-06	9.48E-07	8.54E-08	1.03E-06
1405	437573.93	3725642.65	6.65E-06	5.70E-07	7.22E-06	1.46E-06	1.61E-07	1.62E-06	7.19E-06	7.66E-07	7.96E-06	9.65E-07	8.86E-08	1.05E-06
1406	437559.87	3725638.03	6.62E-06	5.76E-07	7.19E-06	1.45E-06	1.64E-07	1.62E-06	7.16E-06	7.77E-07	7.94E-06	9.65E-07	8.99E-08	1.05E-06
1407	437918.54	3725599.28	4.02E-06	1.16E-07	4.13E-06	8.17E-07	2.59E-08	8.43E-07	4.29E-06	1.22E-07	4.41E-06	4.77E-07	1.31E-08	4.90E-07
1408	437928.38	3725587.72	3.96E-06	1.11E-07	4.07E-06	8.04E-07	2.46E-08	8.29E-07	4.23E-06	1.16E-07	4.34E-06	4.69E-07	1.24E-08	4.81E-07
1409	437922.24	3725621.39	3.70E-06	1.09E-07	3.81E-06	7.53E-07	2.48E-08	7.77E-07	3.95E-06	1.17E-07	4.07E-06	4.41E-07	1.26E-08	4.53E-07
1410	437909.01	3725628.13	3.80E-06	1.15E-07	3.91E-06	7.74E-07	2.64E-08	8.01E-07	4.06E-06	1.25E-07	4.18E-06	4.54E-07	1.34E-08	4.68E-07
1411	437895.79	3725634.86	3.88E-06	1.21E-07	4.00E-06	7.91E-07	2.80E-08	8.19E-07	4.14E-06	1.33E-07	4.27E-06	4.65E-07	1.43E-08	4.79E-07
1412	437869.35	3725648.34	3.99E-06	1.34E-07	4.12E-06	8.17E-07	3.17E-08	8.48E-07	4.27E-06	1.50E-07	4.42E-06	4.83E-07	1.63E-08	4.99E-07
1413	437856.13	3725655.07	4.02E-06	1.40E-07	4.16E-06	8.25E-07	3.36E-08	8.58E-07	4.30E-06	1.59E-07	4.46E-06	4.89E-07	1.75E-08	5.07E-07
1414	437842.91	3725661.81	4.04E-06	1.47E-07	4.19E-06	8.31E-07	3.58E-08	8.67E-07	4.33E-06	1.69E-07	4.50E-06	4.95E-07	1.87E-08	5.14E-07
1415	437829.69	3725668.55	4.04E-06	1.54E-07	4.19E-06	8.33E-07	3.79E-08	8.71E-07	4.33E-06	1.80E-07	4.50E-06	4.98E-07	1.99E-08	5.18E-07
1416	437816.47	3725675.28	4.01E-06	1.60E-07	4.17E-06	8.28E-07	3.99E-08	8.68E-07	4.29E-06	1.89E-07	4.48E-06	4.97E-07	2.10E-08	5.18E-07
1417	437776.81	3725695.49	3.81E-06	1.77E-07	3.99E-06	7.95E-07	4.56E-08	8.40E-07	4.09E-06	2.16E-07	4.30E-06	4.85E-07	2.43E-08	5.09E-07
1418	437763.59	3725702.23	3.71E-06	1.81E-07	3.90E-06	7.77E-07	4.71E-08	8.24E-07	3.99E-06	2.23E-07	4.21E-06	4.77E-07	2.52E-08	5.02E-07
1419	437750.37	3725708.97	3.63E-06	1.85E-07	3.81E-06	7.61E-07	4.86E-08	8.10E-07	3.89E-06	2.31E-07	4.12E-06	4.69E-07	2.61E-08	4.95E-07
1420	437589.13	3725667.08	5.23E-06	4.21E-07	5.65E-06	1.14E-06	1.19E-07	1.26E-06	5.65E-06	5.63E-07	6.21E-06	7.48E-07	6.50E-08	8.13E-07
1421	437575.04	3725662.45	5.31E-06	4.37E-07	5.74E-06	1.16E-06	1.23E-07	1.28E-06	5.74E-06	5.85E-07	6.32E-06	7.63E-07	6.76E-08	8.30E-07
1422	437560.94	3725657.81	5.32E-06	4.46E-07	5.76E-06	1.17E-06	1.26E-07	1.29E-06	5.75E-06	5.98E-07	6.35E-06	7.68E-07	6.92E-08	8.38E-07
1423	437546.84	3725653.18	5.15E-06	4.37E-07	5.59E-06	1.13E-06	1.24E-07	1.25E-06	5.57E-06	5.87E-07	6.16E-06	7.47E-07	6.79E-08	8.15E-07
1424	437933.77	3725612.24	3.61E-06	1.04E-07	3.72E-06	7.35E-07	2.34E-08	7.58E-07	3.86E-06	1.11E-07	3.97E-06	4.29E-07	1.18E-08	4.41E-07
1425	437943.61	3725600.68	3.56E-06	1.00E-07	3.66E-06	7.23E-07	2.23E-08	7.45E-07	3.80E-06	1.05E-07	3.91E-06	4.22E-07	1.12E-08	4.33E-07
1426	437937.45	3725634.36	3.35E-06	9.92E-08	3.44E-06	6.82E-07	2.25E-08	7.04E-07	3.57E-06	1.06E-07	3.68E-06	3.99E-07	1.14E-08	4.11E-07
1427	437924.2	3725641.11	3.46E-06	1.05E-07	3.56E-06	7.05E-07	2.40E-08	7.29E-07	3.69E-06	1.14E-07	3.81E-06	4.13E-07	1.23E-08	4.26E-07
1428	437910.95	3725647.87	3.54E-06	1.10E-07	3.65E-06	7.22E-07	2.55E-08	7.48E-07	3.78E-06	1.21E-07	3.90E-06	4.25E-07	1.31E-08	4.38E-07
1429	437884.45	3725661.37	3.63E-06	1.21E-07	3.75E-06	7.44E-07	2.85E-08	7.72E-07	3.88E-06	1.35E-07	4.02E-06	4.39E-07	1.47E-08	4.54E-07
1430	437871.2	3725668.12	3.67E-06	1.26E-07	3.79E-06	7.52E-07	3.02E-08	7.82E-07	3.92E-06	1.43E-07	4.06E-06	4.46E-07	1.57E-08	4.61E-07
1431	437857.94	3725674.87	3.69E-06	1.32E-07	3.82E-06	7.58E-07	3.20E-08	7.90E-07	3.95E-06	1.51E-07	4.10E-06	4.51E-07	1.67E-08	4.67E-07
1432	437844.69	3725681.63	3.69E-06	1.38E-07	3.82E-06	7.59E-07	3.37E-08	7.93E-07	3.94E-06	1.60E-07	4.10E-06	4.53E-07	1.76E-08	4.71E-07
1433	437831.44	3725688.38	3.66E-06	1.43E-07	3.81E-06	7.56E-07	3.55E-08	7.92E-07	3.92E-06	1.68E-07	4.09E-06	4.54E-07	1.86E-08	4.72E-07
1434	437791.69	3725708.63	3.52E-06	1.57E-07	3.67E-06	7.32E-07	4.03E-08	7.72E-07	3.77E-06	1.91E-07	3.96E-06	4.45E-07	2.14E-08	4.66E-07
1435	437778.44	3725715.39	3.42E-06	1.60E-07	3.58E-06	7.13E-07	4.14E-08	7.55E-07	3.67E-06	1.96E-07	3.86E-06	4.36E-07	2.21E-08	4.58E-07
1436	437562.07	3725677.62	4.30E-06	3.47E-07	4.65E-06	9.40E-07	9.78E-08	1.04E-06	4.65E-06	4.64E-07	5.12E-06	6.16E-07	5.36E-08	6.70E-07
1437	437547.94	3725672.98	4.21E-06	3.44E-07	4.56E-06	9.20E-07	9.71E-08	1.02E-06	4.55E-06	4.61E-07	5.01E-06	6.05E-07	5.33E-08	6.58E-07
1438	437533.81	3725668.34	4.06E-06	3.35E-07	4.39E-06	8.88E-07	9.46E-08	9.83E-07	4.39E-06	4.49E-07	4.84E-06	5.85E-07	5.19E-08	6.37E-07
1439	437949	3725625.21	3.27E-06	9.48E-08	3.37E-06	6.66E-07	2.13E-08	6.87E-07	3.49E-06	1.01E-07	3.60E-06	3.89E-07	1.08E-08	4.00E-07
1440	437958.84	3725613.65	3.22E-06	9.12E-08	3.31E-06	6.55E-07	2.04E-08	6.75E-07	3.44E-06	9.62E-08	3.53E-06	3.82E-07	1.03E-08	3.92E-07
1441	437960.27	3725653.82	2.90E-06	8.62E-08	2.99E-06	5.92E-07	1.96E-08	6.11E-07	3.10E-06	9.27E-08	3.20E-06	3.47E-07	9.96E-09	3.57E-07
1442	437946.98	3725660.59	3.00E-06	9.09E-08	3.09E-06	6.11E-07	2.08E-08	6.32E-07	3.20E-06	9.86E-08	3.30E-06	3.59E-07	1.06E-08	3.69E-07
1443	437933.69	3725667.36	3.08E-06	9.57E-08	3.17E-06	6.28E-07	2.21E-08	6.50E-07	3.29E-06	1.05E-07	3.39E-06	3.70E-07	1.13E-08	3.81E-07
1444	437907.12	3725680.9	3.19E-06	1.05E-07	3.29E-06	6.52E-07	2.47E-08	6.77E-07	3.41E-06	1.17E-07	3.52E-06	3.85E-07	1.27E-08	3.98E-07
1445	437893.83	3725687.68	3.22E-06	1.09E-07	3.33E-06	6.59E-07	2.60E-08	6.85E-07	3.44E-06	1.23E-07	3.56E-06	3.91E-07	1.35E-08	4.04E-07
1446	437880.54	3725694.45	3.23E-06	1.14E-07	3.34E-06	6.63E-07	2.73E-08	6.91E-07	3.46E-06	1.29E-07	3.59E-06	3.94E-07	1.42E-08	4.08E-07
1447	437867.25	3725701.22	3.23E-06	1.18E-07	3.35E-06	6.65E-07	2.87E-08	6.94E-07	3.46E-06	1.36E-07	3.60E-06	3.97E-07	1.50E-08	4.11E-07
1448	437853.96	3725707.99	3.23E-06	1.22E-07	3.35E-06	6.65E-07	3.01E-08	6.95E-07	3.46E-06	1.42E-07	3.60E-06	3.98E-07	1.58E-08	4.14E-07
1449	437814.09	3725728.31	3.13E-06	1.34E-07	3.26E-06	6.50E-07	3.40E-08	6.84E-07	3.35E-06	1.61E-07	3.52E-06	3.93E-07	1.80E-08	4.11E-07
1450	437800.8	3725735.08	3.05E-06	1.36E-07	3.19E-06	6.36E-07	3.49E-08	6.71E-07	3.28E-06	1.65E-07	3.44E-06	3.87E-07	1.86E-08	4.05E-07
1451	437521.34	3725693.4	3.04E-06	2.41E-07	3.28E-06	6.63E-07	6.77E-08	7.31E-07	3.29E-06	3.21E-07	3.61E-06	4.34E-07	3.71E-08	4.71E-07
1452	437971.84	3725644.65	2.83E-06	8.25E-08	2.92E-06	5.77E-07	1.86E-08	5.96E-07	3.03E-06	8.79E-08	3.12E-06	3.38E-07	9.42E-09	3.47E-07
1453	437981.68	3725633.09	2.79E-06	7.96E-08	2.87E-06	5.67E-07	1.78E-08	5.85E-07	2.98E-06	8.42E-08	3.06E-06	3.32E-07	9.00E-09	3.41E-07
1454	437983.1	3725673.27	2.55E-06	7.60E-08	2.63E-06	5.20E-07	1.73E-08	5.38E-07	2.73E-06	8.18E-08	2.81E-06	3.05E-07	8.80E-09	3.14E-07
1455	437969.78	3725680.06	2.63E-06	7.99E-08	2.71E-06	5.37E-07	1.83E-08	5.55E-07	2.81E-06	8.66E-08	2.90E-06	3.15E-07	9.34E-09	3.25E-07
1456	437956.46	3725686.85	2.69E-06	8.35E-08	2.78E-06	5.50E-07	1.93E-08	5.69E-07	2.88E-06	9.13E-08	2.97E-06	3.24E-07	9.88E-09	3.34E-07
1457	437929.81	3725700.42	2.79E-06	9.08E-08	2.88E-06	5.70E-07	2.14E-08	5.92E-07	2.98E-06	1.01E-07	3.08E-06	3.37E-07	1.10E-08	3.48E-07
1458	437916.49	3725707.21	2.82E-06	9.44E-08	2.91E-06	5.77E-07	2.24E-08	6.00E-07	3.01E-06	1.06E-07	3.12E-06	3.42E-07	1.16E-08	3.53E-07
1459	437903.17	3725714	2.83E-06	9.79E-08	2.93E-06	5.82E-07	2.35E-08	6.05E-07	3.03E-06	1.11E-07	3.14E-06	3.45E-07	1.22E-08	3.57E-07

1460	437889.85	3725720.79	2.84E-06	1.01E-07	2.94E-06	5.84E-07	2.45E-08	6.09E-07	3.04E-06	1.16E-07	3.16E-06	3.48E-07	1.28E-08	3.61E-07
1461	437876.52	3725727.58	2.84E-06	1.05E-07	2.95E-06	5.85E-07	2.57E-08	6.11E-07	3.04E-06	1.21E-07	3.16E-06	3.49E-07	1.34E-08	3.63E-07
1462	437836.55	3725747.95	2.79E-06	1.15E-07	2.90E-06	5.77E-07	2.89E-08	6.06E-07	2.99E-06	1.37E-07	3.12E-06	3.48E-07	1.53E-08	3.64E-07
1463	437823.23	3725754.73	2.73E-06	1.17E-07	2.85E-06	5.68E-07	2.97E-08	5.97E-07	2.93E-06	1.41E-07	3.07E-06	3.44E-07	1.57E-08	3.60E-07
1464	437494.7	3725713.8	2.26E-06	1.72E-07	2.43E-06	4.91E-07	4.83E-08	5.40E-07	2.44E-06	2.29E-07	2.67E-06	3.20E-07	2.64E-08	3.47E-07
1465	437994.68	3725664.1	2.49E-06	7.27E-08	2.56E-06	5.07E-07	1.65E-08	5.24E-07	2.66E-06	7.78E-08	2.74E-06	2.97E-07	8.34E-09	3.06E-07
1466	438004.52	3725652.54	2.45E-06	7.04E-08	2.52E-06	4.99E-07	1.58E-08	5.15E-07	2.62E-06	7.47E-08	2.69E-06	2.92E-07	7.99E-09	3.00E-07
1467	438005.93	3725692.72	2.26E-06	6.73E-08	2.32E-06	4.60E-07	1.54E-08	4.76E-07	2.41E-06	7.26E-08	2.48E-06	2.70E-07	7.81E-09	2.78E-07
1468	437992.58	3725699.53	2.32E-06	7.05E-08	2.39E-06	4.74E-07	1.62E-08	4.91E-07	2.48E-06	7.66E-08	2.56E-06	2.79E-07	8.26E-09	2.87E-07
1469	437979.23	3725706.33	2.38E-06	7.37E-08	2.45E-06	4.86E-07	1.70E-08	5.03E-07	2.54E-06	8.05E-08	2.62E-06	2.86E-07	8.71E-09	2.95E-07
1470	437952.53	3725719.93	2.46E-06	7.96E-08	2.54E-06	5.04E-07	1.87E-08	5.22E-07	2.63E-06	8.83E-08	2.72E-06	2.97E-07	9.61E-09	3.07E-07
1471	437939.18	3725726.74	2.49E-06	8.25E-08	2.57E-06	5.10E-07	1.95E-08	5.29E-07	2.66E-06	9.24E-08	2.75E-06	3.02E-07	1.01E-08	3.12E-07
1472	437925.83	3725733.54	2.51E-06	8.54E-08	2.59E-06	5.14E-07	2.04E-08	5.34E-07	2.68E-06	9.64E-08	2.78E-06	3.05E-07	1.06E-08	3.15E-07
1473	437912.48	3725740.34	2.52E-06	8.82E-08	2.60E-06	5.17E-07	2.12E-08	5.38E-07	2.69E-06	1.01E-07	2.79E-06	3.07E-07	1.10E-08	3.18E-07
1474	437899.13	3725747.14	2.52E-06	9.11E-08	2.61E-06	5.18E-07	2.21E-08	5.41E-07	2.70E-06	1.05E-07	2.80E-06	3.09E-07	1.15E-08	3.21E-07
1475	437859.08	3725767.55	2.49E-06	9.93E-08	2.59E-06	5.14E-07	2.48E-08	5.39E-07	2.66E-06	1.17E-07	2.78E-06	3.10E-07	1.31E-08	3.23E-07
1476	437845.73	3725774.36	2.45E-06	1.01E-07	2.55E-06	5.08E-07	2.55E-08	5.33E-07	2.62E-06	1.21E-07	2.75E-06	3.07E-07	1.35E-08	3.20E-07
1477	437468.02	3725734.19	1.70E-06	1.25E-07	1.83E-06	3.69E-07	3.48E-08	4.04E-07	1.84E-06	1.65E-07	2.01E-06	2.39E-07	1.90E-08	2.58E-07
1478	438017.53	3725683.54	2.20E-06	6.47E-08	2.27E-06	4.49E-07	1.47E-08	4.64E-07	2.36E-06	6.93E-08	2.43E-06	2.64E-07	7.44E-09	2.71E-07
1479	438027.37	3725671.98	2.17E-06	6.26E-08	2.23E-06	4.42E-07	1.41E-08	4.56E-07	2.32E-06	6.67E-08	2.38E-06	2.59E-07	7.14E-09	2.66E-07
1480	437975.27	3725739.43	2.19E-06	7.04E-08	2.26E-06	4.48E-07	1.65E-08	4.65E-07	2.34E-06	7.81E-08	2.42E-06	2.65E-07	8.49E-09	2.73E-07
1481	437961.9	3725746.25	2.22E-06	7.30E-08	2.29E-06	4.55E-07	1.72E-08	4.72E-07	2.37E-06	8.15E-08	2.46E-06	2.69E-07	8.89E-09	2.78E-07
1482	437948.52	3725753.06	2.24E-06	7.54E-08	2.31E-06	4.59E-07	1.79E-08	4.77E-07	2.39E-06	8.49E-08	2.48E-06	2.72E-07	9.29E-09	2.81E-07
1483	437935.15	3725759.88	2.25E-06	7.77E-08	2.33E-06	4.62E-07	1.87E-08	4.80E-07	2.41E-06	8.83E-08	2.49E-06	2.74E-07	9.68E-09	2.84E-07
1484	437921.77	3725766.69	2.26E-06	8.01E-08	2.34E-06	4.64E-07	1.94E-08	4.83E-07	2.41E-06	9.18E-08	2.51E-06	2.76E-07	1.01E-08	2.86E-07
1485	437881.65	3725787.14	2.23E-06	8.65E-08	2.32E-06	4.60E-07	2.15E-08	4.82E-07	2.39E-06	1.02E-07	2.49E-06	2.76E-07	1.13E-08	2.88E-07
1486	437868.28	3725793.95	2.21E-06	8.84E-08	2.30E-06	4.57E-07	2.21E-08	4.79E-07	2.36E-06	1.05E-07	2.47E-06	2.75E-07	1.16E-08	2.87E-07
1487	437484.09	3725768.62	1.51E-06	1.05E-07	1.61E-06	3.25E-07	2.92E-08	3.54E-07	1.62E-06	1.39E-07	1.76E-06	2.09E-07	1.59E-08	2.25E-07
1488	437469.83	3725763.93	1.44E-06	1.01E-07	1.54E-06	3.11E-07	2.80E-08	3.39E-07	1.56E-06	1.33E-07	1.69E-06	2.01E-07	1.53E-08	2.16E-07
1489	437455.57	3725759.25	1.39E-06	9.71E-08	1.48E-06	2.99E-07	2.70E-08	3.26E-07	1.50E-06	1.28E-07	1.62E-06	1.93E-07	1.47E-08	2.08E-07
1490	438040.37	3725702.99	1.97E-06	5.79E-08	2.02E-06	4.01E-07	1.32E-08	4.14E-07	2.10E-06	6.22E-08	2.16E-06	2.35E-07	6.68E-09	2.42E-07
1491	438050.21	3725691.43	1.93E-06	5.60E-08	1.99E-06	3.93E-07	1.26E-08	4.06E-07	2.06E-06	5.98E-08	2.12E-06	2.31E-07	6.41E-09	2.37E-07
1492	438051.6	3725731.63	1.80E-06	5.38E-08	1.85E-06	3.67E-07	1.23E-08	3.79E-07	1.92E-06	5.81E-08	1.98E-06	2.16E-07	6.26E-09	2.22E-07
1493	438038.21	3725738.45	1.85E-06	5.60E-08	1.90E-06	3.77E-07	1.29E-08	3.90E-07	1.97E-06	6.09E-08	2.03E-06	2.22E-07	6.57E-09	2.28E-07
1494	437998.02	3725758.93	1.96E-06	6.26E-08	2.02E-06	4.01E-07	1.47E-08	4.15E-07	2.09E-06	6.93E-08	2.16E-06	2.37E-07	7.53E-09	2.44E-07
1495	437984.63	3725765.75	1.98E-06	6.47E-08	2.05E-06	4.06E-07	1.52E-08	4.21E-07	2.12E-06	7.21E-08	2.19E-06	2.40E-07	7.85E-09	2.48E-07
1496	437971.23	3725772.58	2.00E-06	6.67E-08	2.07E-06	4.10E-07	1.58E-08	4.26E-07	2.14E-06	7.50E-08	2.22E-06	2.43E-07	8.19E-09	2.51E-07
1497	437957.84	3725779.4	2.02E-06	6.88E-08	2.08E-06	4.14E-07	1.65E-08	4.30E-07	2.16E-06	7.79E-08	2.23E-06	2.46E-07	8.53E-09	2.54E-07
1498	437944.44	3725786.23	2.02E-06	7.09E-08	2.10E-06	4.16E-07	1.71E-08	4.33E-07	2.17E-06	8.08E-08	2.25E-06	2.48E-07	8.87E-09	2.57E-07
1499	437904.26	3725806.71	2.01E-06	7.64E-08	2.09E-06	4.16E-07	1.88E-08	4.35E-07	2.16E-06	8.92E-08	2.25E-06	2.49E-07	9.88E-09	2.59E-07
1500	437890.86	3725813.53	2.00E-06	7.79E-08	2.08E-06	4.13E-07	1.94E-08	4.32E-07	2.14E-06	9.17E-08	2.23E-06	2.48E-07	1.02E-08	2.58E-07
1501	437500.27	3725803.09	1.33E-06	8.90E-08	1.42E-06	2.86E-07	2.46E-08	3.11E-07	1.44E-06	1.17E-07	1.55E-06	1.84E-07	1.34E-08	1.97E-07
1502	437485.98	3725798.4	1.29E-06	8.63E-08	1.37E-06	2.77E-07	2.38E-08	3.01E-07	1.39E-06	1.13E-07	1.50E-06	1.77E-07	1.30E-08	1.90E-07
1503	437471.7	3725793.7	1.24E-06	8.32E-08	1.32E-06	2.66E-07	2.30E-08	2.89E-07	1.34E-06	1.09E-07	1.44E-06	1.71E-07	1.25E-08	1.83E-07
1504	437457.42	3725789.01	1.20E-06	8.06E-08	1.28E-06	2.58E-07	2.23E-08	2.80E-07	1.29E-06	1.06E-07	1.40E-06	1.65E-07	1.21E-08	1.78E-07
1505	437443.13	3725784.32	1.16E-06	7.78E-08	1.23E-06	2.49E-07	2.15E-08	2.70E-07	1.25E-06	1.02E-07	1.35E-06	1.60E-07	1.17E-08	1.71E-07
1506	437428.85	3725779.63	1.11E-06	7.49E-08	1.19E-06	2.40E-07	2.07E-08	2.61E-07	1.20E-06	9.82E-08	1.30E-06	1.54E-07	1.13E-08	1.65E-07
1507	438063.22	3725722.43	1.76E-06	5.20E-08	1.81E-06	3.59E-07	1.18E-08	3.71E-07	1.88E-06	5.59E-08	1.94E-06	2.11E-07	6.01E-09	2.17E-07
1508	438073.06	3725710.87	1.73E-06	5.05E-08	1.78E-06	3.54E-07	1.14E-08	3.65E-07	1.85E-06	5.41E-08	1.91E-06	2.07E-07	5.80E-09	2.13E-07
1509	438020.78	3725778.41	1.76E-06	5.59E-08	1.81E-06	3.59E-07	1.31E-08	3.73E-07	1.88E-06	6.18E-08	1.94E-06	2.12E-07	6.72E-09	2.19E-07
1510	438007.37	3725785.25	1.78E-06	5.77E-08	1.84E-06	3.65E-07	1.36E-08	3.78E-07	1.90E-06	6.42E-08	1.97E-06	2.16E-07	6.99E-09	2.23E-07
1511	437993.96	3725792.08	1.80E-06	5.95E-08	1.86E-06	3.69E-07	1.41E-08	3.83E-07	1.92E-06	6.66E-08	1.99E-06	2.18E-07	7.27E-09	2.26E-07
1512	437980.54	3725798.92	1.81E-06	6.12E-08	1.87E-06	3.72E-07	1.46E-08	3.87E-07	1.94E-06	6.91E-08	2.01E-06	2.21E-07	7.56E-09	2.28E-07
1513	437967.13	3725805.75	1.82E-06	6.30E-08	1.89E-06	3.75E-07	1.51E-08	3.90E-07	1.95E-06	7.16E-08	2.02E-06	2.23E-07	7.85E-09	2.31E-07
1514	437953.72	3725812.59	1.83E-06	6.47E-08	1.89E-06	3.76E-07	1.56E-08	3.92E-07	1.96E-06	7.41E-08	2.03E-06	2.24E-07	8.14E-09	2.32E-07
1515	437940.3	3725819.42	1.83E-06	6.63E-08	1.90E-06	3.77E-07	1.62E-08	3.93E-07	1.96E-06	7.65E-08	2.04E-06	2.25E-07	8.43E-09	2.34E-07
1516	437926.89	3725826.26	1.83E-06	6.79E-08	1.90E-06	3.77E-07	1.67E-08	3.94E-07	1.96E-06	7.89E-08	2.04E-06	2.26E-07	8.72E-09	2.34E-07
1517	437913.48	3725833.09	1.82E-06	6.93E-08	1.89E-06	3.75E-07	1.71E-08	3.93E-07	1.95E-06	8.11E-08	2.03E-06	2.25E-07	8.99E-09	2.34E-07
1518	437530.84	3725842.28	1.21E-06	7.70E-08	1.29E-06	2.59E-07	2.11E-08	2.80E-07	1.31E-06	1.00E-07	1.41E-06	1.65E-07	1.15E-08	1.77E-07
1519	437502.23	3725832.89	1.15E-06	7.36E-08	1.22E-06	2.45E-07	2.02E-08	2.66E-07	1.23E-06	9.58E-08	1.33E-06	1.57E-07	1.10E-08	1.67E-07
1520	437487.93	3725828.19	1.11E-06	7.18E-08	1.18E-06	2.39E-07	1.97E-08	2.58E-07	1.20E-06	9.36E-08	1.29E-06	1.52E-07	1.07E-08	1.63E-07
1521	437473.63	3725823.49	1.08E-06	6.98E-08	1.15E-06	2.31E-07	1.92E-08	2.51E-07	1.16E-06	9.10E-08	1.25E-06	1.48E-07	1.04E-08	1.58E-07
1522	437459.32	3725818.79	1.05E-06	6.78E-08	1.12E-06	2.25E-07	1.86E-08	2.43E-07	1.13E-06	8.85E-08	1.22E-06	1.44E-07	1.01E-08	1.54E-07
1523	437445.02	3725814.09	1.02E-06	6.58E-08	1.08E-06	2.18E-07	1.81E-08	2.36E-07	1.10E-06	8.59E-08	1.18E-06	1.39E-07	9.85E-09	1.49E-07
1524	437430.72	3725809.39	9.85E-07	6.38E-08	1.05E-06	2.11E-07	1.75E-08	2.29E-07	1.06E-06	8.32E-08	1.15E-06	1.35E-07	9.55E-09	1.45E-07
1525	437416.42	3725804.7	9.53E-07	6.16E-08	1.01E-06	2.05E-07	1.69E-08	2.21E-07	1.03E-06	8.04E-08	1.11E-06	1.31E-07	9.22E-09	1.40E-07
1526	438097.27	3725770.53	1.45E-06	4.36E-08	1.50E-06	2.97E-07	1.00E-08	3.07E-07	1.55E-06	4.73E-08	1.60E-06	1.75E-07	5.10E-09	1.80E-07
1527	438083.84	3725777.37	1.49E-06	4.53E-08	1.54E-06	3.05E-07	1.04E-08	3.15E-07	1.59E-06	4.93E-08	1.64E-06	1.80E-07	5.32E-09	1.85E-07
1528	437976.41	3725832.11	1.66E-06	5.78E-08	1.71E-06	3.41E-07	1.39E-08	3.55E-07	1.77E-06	6.60E-08	1.84E-06	2.03E-07	7.24E-09	2.10E-07
1529	437962.98	3725838.96	1.66E-06	5.93E-08	1.72E-06	3.42E-07	1.44E-08	3.56E-07	1.78E-06	6.80E-08	1.85E-06	2.04E-07	7.49E-09	2.11E-07
1530	437949.55	3725845.8	1.66E-06	6.06E-08	1.72E-06	3.42E-07	1.48E-08	3.57E-07	1.78E-06	7.01E-08	1.85E-06	2.05E-07	7.73E-09	2.12E-07
1531	437936.12	3725852.64	1.65E-06	6.18E-08	1.72E-06	3.41E-07	1.52E-08	3.56E-07	1.77E-06	7.20E-08	1.84E-06	2.04E-07	7.96E-09	2.12E-07
1532	437547.19	3725876.81	1.07E-06	6.53E-08	1.14E-06	2.29E-07	1.78E-08	2.47E-07	1.16E-06	8.43E-08	1.24E-06	1.45E-07	9.64E-09	1.55E-07
1533	437532.87	3725872.11	1.05E-06	6.43E-08	1.11E-06	2.24E-07	1.75E-08	2.41E-07	1.13E-06	8.31E-08	1.21E-06	1.42E-07	9.51E-09	1.51E-07
1534	437518.56	3725867.4	1.03E-06	6.32E-08	1.09E-06	2.19E-07	1.73E-08	2.36E-07	1.10E-06	8.19E-08	1.19E-06	1.39E-07	9.36E-09	1.48E-07
1535	437504.24	3725862.7	1.00E-06	6.20E-08	1.06E-06	2.14E-07	1.69E-08	2.31E-07	1.08E-06	8.03E-08	1.16E-06	1.36E-07	9.19E-09	1.45E-07
1536	437489.92	3725858	9.75E-07	6.07E-08	1.04E-06	2.09E-07	1.66E-08	2.25E-07	1.05E-06	7.87E-08	1.13E-06	1.33E-07	9.01E-09	1.42E-07

1537	437461.28	3725848.59	9.24E-07	5.78E-08	9.82E-07	1.98E-07	1.58E-08	2.14E-07	9.96E-07	7.50E-08	1.07E-06	1.26E-07	8.59E-09	1.34E-07
1538	437446.96	3725843.88	8.99E-07	5.62E-08	9.55E-07	1.92E-07	1.54E-08	2.08E-07	9.69E-07	7.30E-08	1.04E-06	1.22E-07	8.36E-09	1.31E-07
1539	437432.64	3725839.18	8.74E-07	5.47E-08	9.28E-07	1.87E-07	1.50E-08	2.02E-07	9.42E-07	7.10E-08	1.01E-06	1.19E-07	8.13E-09	1.27E-07
1540	437418.32	3725834.47	8.50E-07	5.31E-08	9.03E-07	1.82E-07	1.45E-08	1.96E-07	9.16E-07	6.90E-08	9.85E-07	1.16E-07	7.90E-09	1.24E-07
1541	437404	3725829.77	8.24E-07	5.13E-08	8.75E-07	1.76E-07	1.41E-08	1.90E-07	8.88E-07	6.67E-08	9.54E-07	1.12E-07	7.63E-09	1.20E-07
1542	438108.91	3725761.32	1.43E-06	4.23E-08	1.47E-06	2.91E-07	9.66E-09	3.01E-07	1.53E-06	4.57E-08	1.57E-06	1.71E-07	4.92E-09	1.76E-07
1543	438118.75	3725749.76	1.41E-06	4.14E-08	1.45E-06	2.88E-07	9.40E-09	2.97E-07	1.51E-06	4.44E-08	1.55E-06	1.69E-07	4.78E-09	1.74E-07
1544	438120.11	3725789.97	1.32E-06	3.96E-08	1.36E-06	2.70E-07	9.10E-09	2.79E-07	1.41E-06	4.30E-08	1.45E-06	1.59E-07	4.64E-09	1.63E-07
1545	438106.67	3725796.82	1.35E-06	4.11E-08	1.39E-06	2.76E-07	9.46E-09	2.86E-07	1.45E-06	4.47E-08	1.49E-06	1.63E-07	4.83E-09	1.68E-07
1546	438093.22	3725803.67	1.38E-06	4.25E-08	1.42E-06	2.83E-07	9.83E-09	2.93E-07	1.48E-06	4.65E-08	1.52E-06	1.67E-07	5.03E-09	1.72E-07
1547	438079.78	3725810.53	1.41E-06	4.39E-08	1.45E-06	2.88E-07	1.02E-08	2.98E-07	1.51E-06	4.82E-08	1.55E-06	1.70E-07	5.22E-09	1.75E-07
1548	438066.33	3725817.38	1.43E-06	4.53E-08	1.48E-06	2.93E-07	1.06E-08	3.04E-07	1.53E-06	5.00E-08	1.58E-06	1.73E-07	5.43E-09	1.79E-07
1549	438052.89	3725824.23	1.46E-06	4.67E-08	1.50E-06	2.98E-07	1.10E-08	3.09E-07	1.56E-06	5.19E-08	1.61E-06	1.76E-07	5.64E-09	1.82E-07
1550	438039.45	3725831.08	1.47E-06	4.81E-08	1.52E-06	3.02E-07	1.14E-08	3.14E-07	1.58E-06	5.37E-08	1.63E-06	1.79E-07	5.85E-09	1.85E-07
1551	438026	3725837.93	1.49E-06	4.94E-08	1.54E-06	3.05E-07	1.17E-08	3.17E-07	1.59E-06	5.55E-08	1.65E-06	1.81E-07	6.06E-09	1.87E-07
1552	437606.62	3725925.49	1.01E-06	5.75E-08	1.07E-06	2.15E-07	1.55E-08	2.30E-07	1.09E-06	7.34E-08	1.16E-06	1.35E-07	8.37E-09	1.43E-07
1553	437592.28	3725920.78	9.94E-07	5.71E-08	1.05E-06	2.11E-07	1.54E-08	2.27E-07	1.07E-06	7.31E-08	1.14E-06	1.33E-07	8.33E-09	1.41E-07
1554	437577.95	3725916.07	9.79E-07	5.68E-08	1.04E-06	2.08E-07	1.53E-08	2.24E-07	1.05E-06	7.28E-08	1.13E-06	1.31E-07	8.30E-09	1.39E-07
1555	437549.28	3725906.65	9.45E-07	5.56E-08	1.00E-06	2.01E-07	1.51E-08	2.16E-07	1.02E-06	7.16E-08	1.09E-06	1.27E-07	8.17E-09	1.35E-07
1556	437534.94	3725901.94	9.24E-07	5.47E-08	9.78E-07	1.97E-07	1.49E-08	2.12E-07	9.95E-07	7.05E-08	1.07E-06	1.24E-07	8.05E-09	1.32E-07
1557	437520.61	3725897.23	9.03E-07	5.38E-08	9.57E-07	1.92E-07	1.46E-08	2.07E-07	9.72E-07	6.94E-08	1.04E-06	1.22E-07	7.92E-09	1.30E-07
1558	437506.27	3725892.52	8.83E-07	5.29E-08	9.36E-07	1.88E-07	1.44E-08	2.03E-07	9.51E-07	6.82E-08	1.02E-06	1.19E-07	7.80E-09	1.27E-07
1559	437491.94	3725887.81	8.64E-07	5.20E-08	9.16E-07	1.84E-07	1.41E-08	1.99E-07	9.31E-07	6.71E-08	9.98E-07	1.17E-07	7.67E-09	1.24E-07
1560	437477.6	3725883.1	8.45E-07	5.10E-08	8.96E-07	1.80E-07	1.39E-08	1.94E-07	9.11E-07	6.59E-08	9.77E-07	1.14E-07	7.53E-09	1.22E-07
1561	437463.27	3725878.4	8.25E-07	4.99E-08	8.75E-07	1.76E-07	1.36E-08	1.90E-07	8.89E-07	6.45E-08	9.53E-07	1.12E-07	7.37E-09	1.19E-07
1562	437448.93	3725873.69	8.05E-07	4.87E-08	8.54E-07	1.72E-07	1.33E-08	1.85E-07	8.67E-07	6.30E-08	9.30E-07	1.09E-07	7.20E-09	1.16E-07
1563	437420.27	3725864.27	7.62E-07	4.61E-08	8.08E-07	1.63E-07	1.26E-08	1.75E-07	8.21E-07	5.96E-08	8.81E-07	1.03E-07	6.82E-09	1.10E-07
1564	437405.93	3725859.56	7.40E-07	4.47E-08	7.85E-07	1.58E-07	1.22E-08	1.70E-07	7.98E-07	5.78E-08	8.56E-07	1.00E-07	6.61E-09	1.07E-07
1565	437391.6	3725854.85	7.18E-07	4.32E-08	7.61E-07	1.53E-07	1.18E-08	1.65E-07	7.73E-07	5.59E-08	8.29E-07	9.71E-08	6.39E-09	1.04E-07
1566	438131.75	3725780.77	1.30E-06	3.86E-08	1.34E-06	2.65E-07	8.82E-09	2.74E-07	1.39E-06	4.17E-08	1.43E-06	1.56E-07	4.49E-09	1.60E-07
1567	438141.59	3725769.21	1.29E-06	3.78E-08	1.32E-06	2.62E-07	8.61E-09	2.71E-07	1.37E-06	4.07E-08	1.41E-06	1.54E-07	4.38E-09	1.59E-07
1568	438142.95	3725809.42	1.21E-06	3.63E-08	1.24E-06	2.46E-07	8.33E-09	2.55E-07	1.29E-06	3.94E-08	1.33E-06	1.45E-07	4.25E-09	1.49E-07
1569	438129.49	3725816.28	1.23E-06	3.74E-08	1.27E-06	2.52E-07	8.63E-09	2.61E-07	1.32E-06	4.08E-08	1.36E-06	1.48E-07	4.41E-09	1.53E-07
1570	438116.03	3725823.14	1.26E-06	3.87E-08	1.30E-06	2.58E-07	8.96E-09	2.67E-07	1.35E-06	4.24E-08	1.39E-06	1.52E-07	4.58E-09	1.57E-07
1571	438102.58	3725829.99	1.29E-06	4.00E-08	1.33E-06	2.63E-07	9.30E-09	2.73E-07	1.38E-06	4.40E-08	1.42E-06	1.55E-07	4.77E-09	1.60E-07
1572	438089.12	3725836.85	1.31E-06	4.12E-08	1.35E-06	2.68E-07	9.63E-09	2.78E-07	1.40E-06	4.55E-08	1.45E-06	1.58E-07	4.94E-09	1.63E-07
1573	438075.66	3725843.71	1.33E-06	4.24E-08	1.37E-06	2.72E-07	9.95E-09	2.82E-07	1.42E-06	4.71E-08	1.47E-06	1.61E-07	5.12E-09	1.66E-07
1574	438062.21	3725850.56	1.34E-06	4.36E-08	1.39E-06	2.75E-07	1.03E-08	2.86E-07	1.44E-06	4.86E-08	1.49E-06	1.63E-07	5.30E-09	1.68E-07
1575	438048.75	3725857.42	1.36E-06	4.48E-08	1.40E-06	2.78E-07	1.06E-08	2.89E-07	1.45E-06	5.02E-08	1.50E-06	1.65E-07	5.48E-09	1.71E-07
1576	438035.3	3725864.28	1.37E-06	4.59E-08	1.41E-06	2.81E-07	1.09E-08	2.92E-07	1.46E-06	5.18E-08	1.52E-06	1.67E-07	5.66E-09	1.73E-07
1577	438021.84	3725871.14	1.38E-06	4.70E-08	1.42E-06	2.83E-07	1.13E-08	2.94E-07	1.47E-06	5.33E-08	1.53E-06	1.68E-07	5.85E-09	1.74E-07
1578	438008.38	3725877.99	1.38E-06	4.81E-08	1.43E-06	2.84E-07	1.16E-08	2.96E-07	1.48E-06	5.49E-08	1.54E-06	1.69E-07	6.03E-09	1.75E-07
1579	437994.93	3725884.85	1.39E-06	4.92E-08	1.43E-06	2.85E-07	1.19E-08	2.97E-07	1.48E-06	5.64E-08	1.54E-06	1.70E-07	6.21E-09	1.76E-07
1580	437623.13	3725960.06	9.29E-07	5.10E-08	9.80E-07	1.97E-07	1.37E-08	2.10E-07	9.99E-07	6.48E-08	1.06E-06	1.23E-07	7.37E-09	1.30E-07
1581	437608.78	3725955.35	9.13E-07	5.06E-08	9.63E-07	1.93E-07	1.36E-08	2.07E-07	9.82E-07	6.44E-08	1.05E-06	1.21E-07	7.33E-09	1.28E-07
1582	437594.43	3725950.64	8.96E-07	5.01E-08	9.47E-07	1.90E-07	1.35E-08	2.04E-07	9.64E-07	6.39E-08	1.03E-06	1.19E-07	7.28E-09	1.26E-07
1583	437580.08	3725945.92	8.80E-07	4.96E-08	9.30E-07	1.87E-07	1.34E-08	2.00E-07	9.47E-07	6.34E-08	1.01E-06	1.17E-07	7.22E-09	1.24E-07
1584	437565.73	3725941.21	8.64E-07	4.91E-08	9.13E-07	1.83E-07	1.32E-08	1.97E-07	9.30E-07	6.28E-08	9.93E-07	1.15E-07	7.16E-09	1.22E-07
1585	437551.38	3725936.5	8.47E-07	4.85E-08	8.96E-07	1.80E-07	1.31E-08	1.93E-07	9.12E-07	6.21E-08	9.74E-07	1.13E-07	7.08E-09	1.20E-07
1586	437508.34	3725922.36	7.95E-07	4.62E-08	8.41E-07	1.69E-07	1.25E-08	1.82E-07	8.56E-07	5.93E-08	9.15E-07	1.07E-07	6.77E-09	1.13E-07
1587	437493.99	3725917.64	7.77E-07	4.54E-08	8.23E-07	1.66E-07	1.23E-08	1.78E-07	8.37E-07	5.83E-08	8.95E-07	1.04E-07	6.65E-09	1.11E-07
1588	437479.64	3725912.93	7.61E-07	4.45E-08	8.05E-07	1.62E-07	1.21E-08	1.74E-07	8.19E-07	5.72E-08	8.76E-07	1.02E-07	6.54E-09	1.09E-07
1589	437465.29	3725908.21	7.44E-07	4.36E-08	7.87E-07	1.58E-07	1.18E-08	1.70E-07	8.01E-07	5.61E-08	8.57E-07	1.00E-07	6.41E-09	1.06E-07
1590	437450.94	3725903.5	7.27E-07	4.27E-08	7.70E-07	1.55E-07	1.16E-08	1.66E-07	7.83E-07	5.50E-08	8.38E-07	9.78E-08	6.28E-09	1.04E-07
1591	437436.6	3725898.79	7.09E-07	4.17E-08	7.51E-07	1.51E-07	1.13E-08	1.62E-07	7.64E-07	5.36E-08	8.17E-07	9.54E-08	6.12E-09	1.02E-07
1592	437422.25	3725894.07	6.91E-07	4.06E-08	7.31E-07	1.47E-07	1.10E-08	1.58E-07	7.44E-07	5.22E-08	7.96E-07	9.30E-08	5.96E-09	9.89E-08
1593	437407.9	3725889.36	6.72E-07	3.94E-08	7.11E-07	1.43E-07	1.07E-08	1.54E-07	7.23E-07	5.07E-08	7.74E-07	9.04E-08	5.79E-09	9.62E-08
1594	437364.85	3725875.22	6.09E-07	3.53E-08	6.44E-07	1.30E-07	9.56E-09	1.39E-07	6.56E-07	4.53E-08	7.01E-07	8.18E-08	5.18E-09	8.70E-08
1595	438154.6	3725800.21	1.19E-06	3.54E-08	1.22E-06	2.43E-07	8.10E-09	2.51E-07	1.27E-06	3.83E-08	1.31E-06	1.43E-07	4.12E-09	1.47E-07
1596	438164.44	3725788.65	1.18E-06	3.47E-08	1.21E-06	2.40E-07	7.92E-09	2.48E-07	1.26E-06	3.74E-08	1.29E-06	1.41E-07	4.03E-09	1.45E-07
1597	438165.79	3725828.87	1.11E-06	3.33E-08	1.14E-06	2.26E-07	7.66E-09	2.34E-07	1.18E-06	3.62E-08	1.22E-06	1.33E-07	3.91E-09	1.37E-07
1598	438152.32	3725835.73	1.13E-06	3.44E-08	1.17E-06	2.31E-07	7.93E-09	2.39E-07	1.21E-06	3.75E-08	1.25E-06	1.36E-07	4.05E-09	1.40E-07
1599	438138.85	3725842.6	1.15E-06	3.54E-08	1.19E-06	2.36E-07	8.20E-09	2.44E-07	1.23E-06	3.88E-08	1.27E-06	1.39E-07	4.20E-09	1.43E-07
1600	438125.38	3725849.46	1.18E-06	3.65E-08	1.21E-06	2.41E-07	8.49E-09	2.49E-07	1.26E-06	4.02E-08	1.30E-06	1.42E-07	4.35E-09	1.47E-07
1601	438111.91	3725856.32	1.20E-06	3.76E-08	1.23E-06	2.45E-07	8.78E-09	2.54E-07	1.28E-06	4.15E-08	1.32E-06	1.45E-07	4.51E-09	1.49E-07
1602	438098.45	3725863.19	1.21E-06	3.87E-08	1.25E-06	2.49E-07	9.07E-09	2.58E-07	1.30E-06	4.29E-08	1.34E-06	1.47E-07	4.66E-09	1.52E-07
1603	438084.98	3725870.05	1.23E-06	3.97E-08	1.27E-06	2.52E-07	9.36E-09	2.61E-07	1.32E-06	4.43E-08	1.36E-06	1.49E-07	4.82E-09	1.54E-07
1604	438071.51	3725876.91	1.24E-06	4.07E-08	1.28E-06	2.55E-07	9.64E-09	2.65E-07	1.33E-06	4.56E-08	1.38E-06	1.51E-07	4.98E-09	1.56E-07
1605	438058.04	3725883.77	1.25E-06	4.18E-08	1.30E-06	2.57E-07	9.93E-09	2.67E-07	1.34E-06	4.70E-08	1.39E-06	1.53E-07	5.14E-09	1.58E-07
1606	438044.57	3725890.64	1.26E-06	4.27E-08	1.31E-06	2.59E-07	1.02E-08	2.70E-07	1.35E-06	4.84E-08	1.40E-06	1.54E-07	5.30E-09	1.60E-07
1607	438031.1	3725897.5	1.27E-06	4.37E-08	1.31E-06	2.61E-07	1.05E-08	2.71E-07	1.36E-06	4.97E-08	1.41E-06	1.55E-07	5.45E-09	1.61E-07
1608	438017.64	3725904.36	1.27E-06	4.46E-08	1.32E-06	2.62E-07	1.08E-08	2.73E-07	1.36E-06	5.10E-08	1.41E-06	1.56E-07	5.61E-09	1.62E-07
1609	438004.17	3725911.23	1.27E-06	4.55E-08	1.32E-06	2.63E-07	1.11E-08	2.74E-07	1.36E-06	5.23E-08	1.42E-06	1.57E-07	5.76E-09	1.63E-07
1610	437610.95	3725985.22	8.31E-07	4.50E-08	8.76E-07	1.76E-07	1.20E-08	1.88E-07	8.94E-07	5.71E-08	9.51E-07	1.10E-07	6.49E-09	1.16E-07
1611	437596.59	3725980.5	8.15E-07	4.45E-08	8.59E-07	1.72E-07	1.19E-08	1.84E-07	8.76E-07	5.65E-08	9.33E-07	1.08E-07	6.43E-09	1.14E-07
1612	437582.23	3725975.78	7.98E-07	4.39E-08	8.42E-07	1.69E-07	1.18E-08	1.81E-07	8.59E-07	5.59E-08	9.15E-07	1.06E-07	6.36E-09	1.12E-07
1613	437567.87	3725971.07	7.82E-07	4.33E-08	8.25E-07	1.66E-07	1.16E-08	1.77E-07	8.41E-07	5.52E-08	8.97E-07	1.04E-07	6.28E-09	1.10E-07

1614	437553.51	3725966.35	7.66E-07	4.27E-08	8.09E-07	1.63E-07	1.15E-08	1.74E-07	8.25E-07	5.45E-08	8.79E-07	1.02E-07	6.20E-09	1.08E-07
1615	437539.15	3725961.63	7.52E-07	4.21E-08	7.94E-07	1.59E-07	1.13E-08	1.71E-07	8.09E-07	5.38E-08	8.63E-07	1.00E-07	6.12E-09	1.06E-07
1616	437524.79	3725956.91	7.36E-07	4.15E-08	7.78E-07	1.56E-07	1.12E-08	1.68E-07	7.93E-07	5.30E-08	8.46E-07	9.82E-08	6.04E-09	1.04E-07
1617	437510.43	3725952.2	7.23E-07	4.09E-08	7.64E-07	1.54E-07	1.10E-08	1.65E-07	7.78E-07	5.23E-08	8.30E-07	9.65E-08	5.96E-09	1.02E-07
1618	437467.35	3725938.04	6.77E-07	3.86E-08	7.16E-07	1.44E-07	1.04E-08	1.54E-07	7.29E-07	4.95E-08	7.78E-07	9.06E-08	5.64E-09	9.62E-08
1619	437452.98	3725933.32	6.63E-07	3.79E-08	7.01E-07	1.41E-07	1.02E-08	1.51E-07	7.14E-07	4.85E-08	7.62E-07	8.87E-08	5.53E-09	9.42E-08
1620	437438.62	3725928.61	6.48E-07	3.71E-08	6.85E-07	1.38E-07	1.00E-08	1.48E-07	6.98E-07	4.75E-08	7.45E-07	8.68E-08	5.42E-09	9.22E-08
1621	437424.26	3725923.89	6.33E-07	3.62E-08	6.70E-07	1.35E-07	9.78E-09	1.44E-07	6.82E-07	4.64E-08	7.28E-07	8.48E-08	5.29E-09	9.01E-08
1622	437409.9	3725919.17	6.18E-07	3.53E-08	6.53E-07	1.31E-07	9.54E-09	1.41E-07	6.65E-07	4.52E-08	7.11E-07	8.28E-08	5.16E-09	8.79E-08
1623	437381.18	3725909.74	5.78E-07	3.28E-08	6.11E-07	1.23E-07	8.85E-09	1.32E-07	6.22E-07	4.20E-08	6.64E-07	7.73E-08	4.78E-09	8.21E-08
1624	437366.82	3725905.02	5.57E-07	3.14E-08	5.88E-07	1.18E-07	8.47E-09	1.27E-07	5.99E-07	4.02E-08	6.40E-07	7.45E-08	4.58E-09	7.91E-08
1625	437352.46	3725900.3	5.36E-07	3.01E-08	5.66E-07	1.14E-07	8.10E-09	1.22E-07	5.77E-07	3.84E-08	6.15E-07	7.16E-08	4.38E-09	7.60E-08
1626	438177.44	3725819.66	1.09E-06	3.25E-08	1.12E-06	2.22E-07	7.44E-09	2.30E-07	1.16E-06	3.52E-08	1.20E-06	1.31E-07	3.79E-09	1.35E-07
1627	438187.28	3725808.1	1.08E-06	3.18E-08	1.11E-06	2.20E-07	7.28E-09	2.27E-07	1.15E-06	3.44E-08	1.19E-06	1.29E-07	3.70E-09	1.33E-07
1628	438196.24	3725854.8	9.90E-07	2.99E-08	1.02E-06	2.03E-07	6.87E-09	2.09E-07	1.06E-06	3.25E-08	1.09E-06	1.19E-07	3.51E-09	1.23E-07
1629	438182.76	3725861.67	1.01E-06	3.08E-08	1.04E-06	2.07E-07	7.10E-09	2.14E-07	1.08E-06	3.36E-08	1.12E-06	1.22E-07	3.63E-09	1.26E-07
1630	438169.27	3725868.54	1.03E-06	3.17E-08	1.06E-06	2.11E-07	7.34E-09	2.18E-07	1.10E-06	3.47E-08	1.14E-06	1.25E-07	3.76E-09	1.28E-07
1631	438155.79	3725875.41	1.05E-06	3.26E-08	1.08E-06	2.15E-07	7.58E-09	2.23E-07	1.12E-06	3.58E-08	1.16E-06	1.27E-07	3.88E-09	1.31E-07
1632	438142.31	3725882.28	1.07E-06	3.35E-08	1.10E-06	2.19E-07	7.82E-09	2.27E-07	1.14E-06	3.70E-08	1.18E-06	1.30E-07	4.02E-09	1.34E-07
1633	438128.83	3725889.15	1.09E-06	3.44E-08	1.12E-06	2.22E-07	8.07E-09	2.31E-07	1.16E-06	3.82E-08	1.20E-06	1.32E-07	4.15E-09	1.36E-07
1634	438115.35	3725896.02	1.10E-06	3.53E-08	1.13E-06	2.25E-07	8.31E-09	2.34E-07	1.18E-06	3.93E-08	1.22E-06	1.34E-07	4.28E-09	1.38E-07
1635	438101.86	3725902.89	1.11E-06	3.62E-08	1.15E-06	2.28E-07	8.55E-09	2.37E-07	1.19E-06	4.05E-08	1.23E-06	1.35E-07	4.41E-09	1.40E-07
1636	438088.38	3725909.76	1.12E-06	3.70E-08	1.16E-06	2.30E-07	8.79E-09	2.39E-07	1.20E-06	4.16E-08	1.24E-06	1.37E-07	4.54E-09	1.41E-07
1637	438074.9	3725916.63	1.13E-06	3.78E-08	1.17E-06	2.32E-07	9.02E-09	2.41E-07	1.21E-06	4.27E-08	1.25E-06	1.38E-07	4.67E-09	1.42E-07
1638	438061.42	3725923.5	1.13E-06	3.86E-08	1.17E-06	2.33E-07	9.24E-09	2.42E-07	1.21E-06	4.37E-08	1.26E-06	1.39E-07	4.79E-09	1.43E-07
1639	438047.94	3725930.37	1.14E-06	3.93E-08	1.17E-06	2.34E-07	9.45E-09	2.43E-07	1.22E-06	4.47E-08	1.26E-06	1.39E-07	4.91E-09	1.44E-07
1640	438034.46	3725937.24	1.14E-06	3.99E-08	1.17E-06	2.34E-07	9.65E-09	2.43E-07	1.22E-06	4.57E-08	1.26E-06	1.39E-07	5.02E-09	1.44E-07
1641	438020.97	3725944.11	1.13E-06	4.05E-08	1.17E-06	2.34E-07	9.85E-09	2.43E-07	1.21E-06	4.66E-08	1.26E-06	1.40E-07	5.14E-09	1.45E-07
1642	437556.37	3726006.16	6.76E-07	3.65E-08	7.13E-07	1.43E-07	9.76E-09	1.53E-07	7.28E-07	4.63E-08	7.74E-07	8.95E-08	5.26E-09	9.47E-08
1643	437541.99	3726001.44	6.65E-07	3.61E-08	7.01E-07	1.41E-07	9.65E-09	1.51E-07	7.16E-07	4.58E-08	7.61E-07	8.81E-08	5.21E-09	9.33E-08
1644	437527.62	3725996.71	6.53E-07	3.56E-08	6.89E-07	1.38E-07	9.54E-09	1.48E-07	7.03E-07	4.52E-08	7.48E-07	8.66E-08	5.15E-09	9.17E-08
1645	437513.24	3725991.99	6.42E-07	3.51E-08	6.77E-07	1.36E-07	9.41E-09	1.45E-07	6.90E-07	4.46E-08	7.35E-07	8.51E-08	5.08E-09	9.02E-08
1646	437498.87	3725987.27	6.29E-07	3.45E-08	6.64E-07	1.33E-07	9.27E-09	1.43E-07	6.77E-07	4.39E-08	7.21E-07	8.35E-08	5.00E-09	8.85E-08
1647	437484.49	3725982.55	6.18E-07	3.40E-08	6.52E-07	1.31E-07	9.13E-09	1.40E-07	6.65E-07	4.33E-08	7.08E-07	8.21E-08	4.93E-09	8.70E-08
1648	437470.12	3725977.82	6.05E-07	3.34E-08	6.39E-07	1.28E-07	8.97E-09	1.37E-07	6.51E-07	4.25E-08	6.94E-07	8.05E-08	4.84E-09	8.53E-08
1649	437455.74	3725973.1	5.93E-07	3.28E-08	6.26E-07	1.26E-07	8.81E-09	1.35E-07	6.38E-07	4.18E-08	6.80E-07	7.89E-08	4.76E-09	8.37E-08
1650	437398.24	3725954.21	5.34E-07	2.94E-08	5.63E-07	1.13E-07	7.89E-09	1.21E-07	5.75E-07	3.74E-08	6.12E-07	7.11E-08	4.26E-09	7.53E-08
1651	437383.86	3725949.49	5.17E-07	2.83E-08	5.45E-07	1.10E-07	7.61E-09	1.17E-07	5.56E-07	3.61E-08	5.92E-07	6.88E-08	4.11E-09	7.29E-08
1652	437369.49	3725944.77	4.99E-07	2.72E-08	5.26E-07	1.06E-07	7.30E-09	1.13E-07	5.37E-07	3.46E-08	5.71E-07	6.63E-08	3.94E-09	7.02E-08
1653	437311.99	3725925.88	4.28E-07	2.28E-08	4.51E-07	9.07E-08	6.09E-09	9.68E-08	4.61E-07	2.89E-08	4.90E-07	5.68E-08	3.29E-09	6.01E-08
1654	438207.9	3725845.59	9.75E-07	2.92E-08	1.00E-06	1.99E-07	6.70E-09	2.06E-07	1.04E-06	3.17E-08	1.07E-06	1.18E-07	3.42E-09	1.21E-07
1655	438217.74	3725834.03	9.67E-07	2.87E-08	9.96E-07	1.98E-07	6.57E-09	2.04E-07	1.03E-06	3.11E-08	1.07E-06	1.16E-07	3.35E-09	1.20E-07
1656	438226.69	3725880.73	8.92E-07	2.69E-08	9.19E-07	1.83E-07	6.21E-09	1.89E-07	9.54E-07	2.94E-08	9.84E-07	1.08E-07	3.17E-09	1.11E-07
1657	438213.2	3725887.61	9.11E-07	2.77E-08	9.39E-07	1.87E-07	6.41E-09	1.93E-07	9.75E-07	3.03E-08	1.01E-06	1.10E-07	3.28E-09	1.13E-07
1658	438199.7	3725894.49	9.30E-07	2.86E-08	9.59E-07	1.90E-07	6.62E-09	1.97E-07	9.95E-07	3.13E-08	1.03E-06	1.13E-07	3.39E-09	1.16E-07
1659	438186.21	3725901.36	9.48E-07	2.94E-08	9.77E-07	1.94E-07	6.83E-09	2.01E-07	1.01E-06	3.23E-08	1.05E-06	1.15E-07	3.50E-09	1.18E-07
1660	438172.72	3725908.24	9.63E-07	3.01E-08	9.93E-07	1.97E-07	7.03E-09	2.04E-07	1.03E-06	3.33E-08	1.06E-06	1.17E-07	3.61E-09	1.20E-07
1661	438159.22	3725915.11	9.77E-07	3.09E-08	1.01E-06	2.00E-07	7.23E-09	2.07E-07	1.04E-06	3.42E-08	1.08E-06	1.18E-07	3.72E-09	1.22E-07
1662	438145.73	3725921.99	9.89E-07	3.17E-08	1.02E-06	2.03E-07	7.44E-09	2.10E-07	1.06E-06	3.52E-08	1.09E-06	1.20E-07	3.83E-09	1.24E-07
1663	438132.23	3725928.87	1.00E-06	3.24E-08	1.03E-06	2.05E-07	7.65E-09	2.13E-07	1.07E-06	3.62E-08	1.11E-06	1.22E-07	3.94E-09	1.26E-07
1664	438118.74	3725935.74	1.01E-06	3.31E-08	1.04E-06	2.07E-07	7.85E-09	2.15E-07	1.08E-06	3.71E-08	1.12E-06	1.23E-07	4.05E-09	1.27E-07
1665	438105.24	3725942.62	1.02E-06	3.38E-08	1.05E-06	2.09E-07	8.03E-09	2.17E-07	1.09E-06	3.80E-08	1.13E-06	1.24E-07	4.15E-09	1.28E-07
1666	438091.75	3725949.49	1.02E-06	3.43E-08	1.05E-06	2.09E-07	8.20E-09	2.18E-07	1.09E-06	3.88E-08	1.13E-06	1.25E-07	4.25E-09	1.29E-07
1667	438078.26	3725956.37	1.02E-06	3.48E-08	1.05E-06	2.10E-07	8.35E-09	2.18E-07	1.09E-06	3.95E-08	1.13E-06	1.25E-07	4.33E-09	1.29E-07
1668	438064.76	3725963.25	1.02E-06	3.53E-08	1.05E-06	2.09E-07	8.50E-09	2.18E-07	1.09E-06	4.02E-08	1.13E-06	1.25E-07	4.42E-09	1.29E-07
1669	438051.27	3725970.12	1.02E-06	3.57E-08	1.05E-06	2.09E-07	8.65E-09	2.18E-07	1.09E-06	4.09E-08	1.13E-06	1.25E-07	4.50E-09	1.29E-07
1670	437501.7	3726027.07	5.63E-07	3.00E-08	5.93E-07	1.19E-07	8.00E-09	1.27E-07	6.06E-07	3.79E-08	6.44E-07	7.44E-08	4.31E-09	7.87E-08
1671	437487.31	3726022.35	5.53E-07	2.95E-08	5.83E-07	1.17E-07	7.89E-09	1.25E-07	5.95E-07	3.74E-08	6.33E-07	7.31E-08	4.25E-09	7.74E-08
1672	437472.92	3726017.62	5.44E-07	2.91E-08	5.73E-07	1.15E-07	7.77E-09	1.23E-07	5.85E-07	3.68E-08	6.22E-07	7.19E-08	4.19E-09	7.61E-08
1673	437458.54	3726012.89	5.33E-07	2.85E-08	5.61E-07	1.13E-07	7.63E-09	1.20E-07	5.73E-07	3.62E-08	6.09E-07	7.05E-08	4.11E-09	7.46E-08
1674	437444.15	3726008.16	5.22E-07	2.80E-08	5.50E-07	1.11E-07	7.48E-09	1.18E-07	5.62E-07	3.55E-08	5.97E-07	6.91E-08	4.03E-09	7.31E-08
1675	437415.37	3725998.71	4.92E-07	2.63E-08	5.18E-07	1.04E-07	7.02E-09	1.11E-07	5.29E-07	3.33E-08	5.62E-07	6.51E-08	3.78E-09	6.89E-08
1676	437400.98	3725993.98	4.77E-07	2.54E-08	5.02E-07	1.01E-07	6.78E-09	1.08E-07	5.13E-07	3.22E-08	5.45E-07	6.31E-08	3.66E-09	6.68E-08
1677	437386.59	3725989.26	4.62E-07	2.45E-08	4.87E-07	9.79E-08	6.55E-09	1.04E-07	4.97E-07	3.11E-08	5.28E-07	6.12E-08	3.53E-09	6.47E-08
1678	437372.2	3725984.53	4.48E-07	2.37E-08	4.72E-07	9.48E-08	6.32E-09	1.01E-07	4.82E-07	3.00E-08	5.12E-07	5.92E-08	3.41E-09	6.26E-08
1679	437329.04	3725970.35	4.04E-07	2.10E-08	4.25E-07	8.54E-08	5.60E-09	9.10E-08	4.34E-07	2.65E-08	4.61E-07	5.33E-08	3.01E-09	5.63E-08
1680	437314.65	3725965.62	3.89E-07	2.01E-08	4.10E-07	8.24E-08	5.36E-09	8.77E-08	4.19E-07	2.54E-08	4.44E-07	5.14E-08	2.88E-09	5.42E-08
1681	437300.26	3725960.9	3.76E-07	1.93E-08	3.95E-07	7.94E-08	5.13E-09	8.46E-08	4.04E-07	2.43E-08	4.29E-07	4.95E-08	2.76E-09	5.23E-08
1682	437285.87	3725956.17	3.62E-07	1.85E-08	3.81E-07	7.66E-08	4.91E-09	8.15E-08	3.90E-07	2.33E-08	4.13E-07	4.77E-08	2.64E-09	5.03E-08
1683	438238.36	3725871.51	8.79E-07	2.64E-08	9.06E-07	1.80E-07	6.06E-09	1.86E-07	9.41E-07	2.87E-08	9.69E-07	1.06E-07	3.09E-09	1.09E-07
1684	438248.2	3725859.95	8.71E-07	2.59E-08	8.97E-07	1.78E-07	5.95E-09	1.84E-07	9.32E-07	2.81E-08	9.60E-07	1.05E-07	3.03E-09	1.08E-07
1685	438257.15	3725906.66	8.11E-07	2.45E-08	8.35E-07	1.66E-07	5.66E-09	1.72E-07	8.67E-07	2.68E-08	8.94E-07	9.80E-08	2.89E-09	1.01E-07
1686	438243.64	3725913.54	8.28E-07	2.52E-08	8.53E-07	1.69E-07	5.83E-09	1.75E-07	8.86E-07	2.76E-08	9.13E-07	1.00E-07	2.98E-09	1.03E-07
1687	438230.14	3725920.43	8.43E-07	2.59E-08	8.69E-07	1.73E-07	6.01E-09	1.79E-07	9.02E-07	2.84E-08	9.31E-07	1.02E-07	3.08E-09	1.05E-07
1688	438216.63	3725927.31	8.58E-07	2.66E-08	8.85E-07	1.76E-07	6.18E-09	1.82E-07	9.18E-07	2.92E-08	9.47E-07	1.04E-07	3.17E-09	1.07E-07
1689	438203.13	3725934.19	8.72E-07	2.73E-08	9.00E-07	1.79E-07	6.36E-09	1.85E-07	9.33E-07	3.01E-08	9.63E-07	1.06E-07	3.27E-09	1.09E-07
1690	438189.62	3725941.07	8.86E-07	2.79E-08	9.14E-07	1.82E-07	6.54E-09	1.88E-07	9.48E-07	3.09E-08	9.79E-07	1.07E-07	3.36E-09	1.11E-07

1691	438176.12	3725947.95	8.98E-07	2.86E-08	9.27E-07	1.84E-07	6.73E-09	1.91E-07	9.61E-07	3.18E-08	9.93E-07	1.09E-07	3.46E-09	1.13E-07
1692	438162.61	3725954.83	9.09E-07	2.93E-08	9.39E-07	1.87E-07	6.91E-09	1.93E-07	9.73E-07	3.27E-08	1.01E-06	1.11E-07	3.56E-09	1.14E-07
1693	438149.11	3725961.72	9.17E-07	2.99E-08	9.47E-07	1.88E-07	7.07E-09	1.95E-07	9.81E-07	3.35E-08	1.01E-06	1.12E-07	3.65E-09	1.15E-07
1694	438135.6	3725968.6	9.22E-07	3.04E-08	9.52E-07	1.89E-07	7.22E-09	1.97E-07	9.87E-07	3.42E-08	1.02E-06	1.12E-07	3.73E-09	1.16E-07
1695	438122.1	3725975.48	9.24E-07	3.09E-08	9.55E-07	1.90E-07	7.36E-09	1.97E-07	9.89E-07	3.48E-08	1.02E-06	1.13E-07	3.81E-09	1.17E-07
1696	438108.59	3725982.36	9.24E-07	3.13E-08	9.55E-07	1.90E-07	7.48E-09	1.98E-07	9.89E-07	3.54E-08	1.02E-06	1.13E-07	3.88E-09	1.17E-07
1697	438095.09	3725989.24	9.23E-07	3.16E-08	9.55E-07	1.90E-07	7.61E-09	1.98E-07	9.88E-07	3.60E-08	1.02E-06	1.13E-07	3.95E-09	1.17E-07
1698	438081.58	3725996.12	9.22E-07	3.20E-08	9.54E-07	1.90E-07	7.73E-09	1.97E-07	9.87E-07	3.66E-08	1.02E-06	1.13E-07	4.02E-09	1.17E-07
1699	437518.96	3726071.61	5.14E-07	2.65E-08	5.41E-07	1.09E-07	7.03E-09	1.16E-07	5.53E-07	3.34E-08	5.87E-07	6.76E-08	3.78E-09	7.14E-08
1700	437504.56	3726066.88	5.07E-07	2.62E-08	5.33E-07	1.07E-07	6.96E-09	1.14E-07	5.45E-07	3.30E-08	5.78E-07	6.66E-08	3.74E-09	7.04E-08
1701	437418.16	3726038.5	4.42E-07	2.29E-08	4.65E-07	9.35E-08	6.09E-09	9.95E-08	4.76E-07	2.89E-08	5.04E-07	5.82E-08	3.28E-09	6.15E-08
1702	437403.76	3726033.77	4.29E-07	2.22E-08	4.51E-07	9.07E-08	5.89E-09	9.66E-08	4.62E-07	2.79E-08	4.89E-07	5.65E-08	3.17E-09	5.97E-08
1703	437389.36	3726029.04	4.16E-07	2.14E-08	4.38E-07	8.80E-08	5.69E-09	9.37E-08	4.48E-07	2.70E-08	4.75E-07	5.48E-08	3.06E-09	5.79E-08
1704	437346.16	3726014.85	3.80E-07	1.93E-08	3.99E-07	8.02E-08	5.12E-09	8.53E-08	4.08E-07	2.43E-08	4.32E-07	4.99E-08	2.75E-09	5.26E-08
1705	437331.76	3726010.12	3.68E-07	1.86E-08	3.86E-07	7.76E-08	4.93E-09	8.25E-08	3.95E-07	2.34E-08	4.19E-07	4.83E-08	2.65E-09	5.09E-08
1706	437317.36	3726005.38	3.56E-07	1.79E-08	3.74E-07	7.51E-08	4.74E-09	7.99E-08	3.83E-07	2.25E-08	4.05E-07	4.67E-08	2.55E-09	4.93E-08
1707	437302.96	3726000.65	3.44E-07	1.72E-08	3.62E-07	7.27E-08	4.56E-09	7.73E-08	3.70E-07	2.16E-08	3.92E-07	4.52E-08	2.45E-09	4.76E-08
1708	437288.56	3725995.92	3.33E-07	1.66E-08	3.50E-07	7.03E-08	4.38E-09	7.47E-08	3.58E-07	2.08E-08	3.79E-07	4.37E-08	2.35E-09	4.60E-08
1709	437274.16	3725991.19	3.22E-07	1.59E-08	3.38E-07	6.79E-08	4.20E-09	7.21E-08	3.46E-07	1.99E-08	3.66E-07	4.21E-08	2.25E-09	4.44E-08
1710	437259.76	3725986.46	3.11E-07	1.52E-08	3.26E-07	6.55E-08	4.02E-09	6.95E-08	3.34E-07	1.91E-08	3.53E-07	4.07E-08	2.16E-09	4.28E-08
1711	438268.82	3725897.44	7.98E-07	2.40E-08	8.22E-07	1.63E-07	5.52E-09	1.69E-07	8.54E-07	2.61E-08	8.80E-07	9.64E-08	2.82E-09	9.92E-08
1712	438278.66	3725885.88	7.90E-07	2.36E-08	8.14E-07	1.62E-07	5.41E-09	1.67E-07	8.45E-07	2.56E-08	8.71E-07	9.53E-08	2.76E-09	9.81E-08
1713	438287.6	3725932.59	7.36E-07	2.23E-08	7.59E-07	1.51E-07	5.15E-09	1.56E-07	7.88E-07	2.44E-08	8.12E-07	8.90E-08	2.63E-09	9.17E-08
1714	438274.09	3725939.48	7.53E-07	2.30E-08	7.76E-07	1.54E-07	5.32E-09	1.60E-07	8.06E-07	2.51E-08	8.31E-07	9.12E-08	2.72E-09	9.39E-08
1715	438260.57	3725946.37	7.69E-07	2.36E-08	7.93E-07	1.58E-07	5.48E-09	1.63E-07	8.23E-07	2.59E-08	8.49E-07	9.31E-08	2.81E-09	9.60E-08
1716	438247.06	3725953.25	7.84E-07	2.43E-08	8.08E-07	1.61E-07	5.65E-09	1.66E-07	8.39E-07	2.67E-08	8.65E-07	9.50E-08	2.90E-09	9.79E-08
1717	438233.54	3725960.14	7.96E-07	2.49E-08	8.21E-07	1.63E-07	5.80E-09	1.69E-07	8.52E-07	2.74E-08	8.79E-07	9.66E-08	2.98E-09	9.96E-08
1718	438220.03	3725967.03	8.08E-07	2.54E-08	8.33E-07	1.66E-07	5.95E-09	1.72E-07	8.64E-07	2.81E-08	8.92E-07	9.80E-08	3.06E-09	1.01E-07
1719	438206.51	3725973.91	8.18E-07	2.60E-08	8.44E-07	1.68E-07	6.11E-09	1.74E-07	8.75E-07	2.89E-08	9.04E-07	9.94E-08	3.14E-09	1.03E-07
1720	438193	3725980.8	8.28E-07	2.66E-08	8.54E-07	1.70E-07	6.26E-09	1.76E-07	8.86E-07	2.96E-08	9.15E-07	1.01E-07	3.23E-09	1.04E-07
1721	438179.48	3725987.69	8.36E-07	2.71E-08	8.63E-07	1.72E-07	6.41E-09	1.78E-07	8.94E-07	3.03E-08	9.25E-07	1.02E-07	3.31E-09	1.05E-07
1722	438165.97	3725994.57	8.42E-07	2.76E-08	8.70E-07	1.73E-07	6.55E-09	1.79E-07	9.01E-07	3.10E-08	9.32E-07	1.03E-07	3.38E-09	1.06E-07
1723	438152.45	3726001.46	8.47E-07	2.81E-08	8.75E-07	1.74E-07	6.68E-09	1.81E-07	9.06E-07	3.16E-08	9.38E-07	1.03E-07	3.46E-09	1.07E-07
1724	438138.94	3726008.35	8.50E-07	2.85E-08	8.78E-07	1.75E-07	6.81E-09	1.82E-07	9.10E-07	3.22E-08	9.42E-07	1.04E-07	3.53E-09	1.07E-07
1725	438125.42	3726015.23	8.51E-07	2.89E-08	8.80E-07	1.75E-07	6.93E-09	1.82E-07	9.11E-07	3.28E-08	9.44E-07	1.04E-07	3.60E-09	1.08E-07
1726	438111.91	3726022.12	8.49E-07	2.92E-08	8.78E-07	1.75E-07	7.03E-09	1.82E-07	9.09E-07	3.33E-08	9.42E-07	1.04E-07	3.65E-09	1.08E-07
1727	437493.03	3726101.97	4.52E-07	2.28E-08	4.74E-07	9.53E-08	6.03E-09	1.01E-07	4.86E-07	2.86E-08	5.14E-07	5.92E-08	3.24E-09	6.24E-08
1728	437478.62	3726097.23	4.42E-07	2.23E-08	4.65E-07	9.33E-08	5.91E-09	9.92E-08	4.76E-07	2.80E-08	5.04E-07	5.79E-08	3.17E-09	6.11E-08
1729	437464.21	3726092.5	4.33E-07	2.18E-08	4.54E-07	9.12E-08	5.78E-09	9.70E-08	4.65E-07	2.74E-08	4.92E-07	5.67E-08	3.11E-09	5.98E-08
1730	437449.8	3726087.77	4.22E-07	2.13E-08	4.43E-07	8.90E-08	5.64E-09	9.47E-08	4.54E-07	2.67E-08	4.81E-07	5.53E-08	3.03E-09	5.83E-08
1731	437435.39	3726083.03	4.11E-07	2.07E-08	4.32E-07	8.68E-08	5.49E-09	9.23E-08	4.42E-07	2.60E-08	4.68E-07	5.39E-08	2.95E-09	5.69E-08
1732	437363.34	3726059.36	3.57E-07	1.78E-08	3.75E-07	7.53E-08	4.69E-09	8.00E-08	3.84E-07	2.23E-08	4.06E-07	4.68E-08	2.52E-09	4.93E-08
1733	437348.93	3726054.63	3.47E-07	1.72E-08	3.64E-07	7.32E-08	4.54E-09	7.77E-08	3.73E-07	2.15E-08	3.95E-07	4.54E-08	2.44E-09	4.79E-08
1734	437334.52	3726049.89	3.37E-07	1.66E-08	3.54E-07	7.10E-08	4.38E-09	7.54E-08	3.62E-07	2.08E-08	3.83E-07	4.41E-08	2.35E-09	4.64E-08
1735	437320.11	3726045.16	3.27E-07	1.60E-08	3.43E-07	6.89E-08	4.23E-09	7.31E-08	3.51E-07	2.00E-08	3.71E-07	4.27E-08	2.27E-09	4.50E-08
1736	437305.7	3726040.42	3.17E-07	1.55E-08	3.33E-07	6.69E-08	4.08E-09	7.09E-08	3.41E-07	1.93E-08	3.60E-07	4.14E-08	2.19E-09	4.36E-08
1737	437291.28	3726035.69	3.08E-07	1.50E-08	3.23E-07	6.49E-08	3.94E-09	6.88E-08	3.31E-07	1.87E-08	3.50E-07	4.02E-08	2.11E-09	4.23E-08
1738	437276.87	3726030.96	2.98E-07	1.44E-08	3.13E-07	6.28E-08	3.79E-09	6.66E-08	3.21E-07	1.80E-08	3.39E-07	3.89E-08	2.03E-09	4.10E-08
1739	437262.46	3726026.22	2.89E-07	1.39E-08	3.03E-07	6.08E-08	3.64E-09	6.45E-08	3.11E-07	1.73E-08	3.28E-07	3.77E-08	1.95E-09	3.96E-08
1740	437248.05	3726021.49	2.79E-07	1.33E-08	2.93E-07	5.88E-08	3.49E-09	6.23E-08	3.00E-07	1.66E-08	3.17E-07	3.64E-08	1.87E-09	3.83E-08
1741	437233.64	3726016.75	2.70E-07	1.28E-08	2.83E-07	5.68E-08	3.35E-09	6.02E-08	2.90E-07	1.59E-08	3.06E-07	3.51E-08	1.79E-09	3.69E-08
1742	438299.28	3725923.37	7.24E-07	2.18E-08	7.46E-07	1.48E-07	5.02E-09	1.53E-07	7.75E-07	2.37E-08	7.99E-07	8.75E-08	2.57E-09	9.01E-08
1743	438309.12	3725911.81	7.17E-07	2.14E-08	7.39E-07	1.47E-07	4.93E-09	1.52E-07	7.67E-07	2.33E-08	7.90E-07	8.66E-08	2.52E-09	8.91E-08
1744	438304.53	3725965.41	6.87E-07	2.09E-08	7.08E-07	1.41E-07	4.85E-09	1.46E-07	7.35E-07	2.30E-08	7.58E-07	8.32E-08	2.48E-09	8.57E-08
1745	438291.01	3725972.3	7.03E-07	2.16E-08	7.25E-07	1.44E-07	5.02E-09	1.49E-07	7.53E-07	2.37E-08	7.76E-07	8.52E-08	2.57E-09	8.78E-08
1746	438277.48	3725979.2	7.19E-07	2.22E-08	7.41E-07	1.47E-07	5.18E-09	1.53E-07	7.69E-07	2.45E-08	7.94E-07	8.72E-08	2.66E-09	8.98E-08
1747	438263.96	3725986.09	7.31E-07	2.28E-08	7.54E-07	1.50E-07	5.32E-09	1.55E-07	7.82E-07	2.52E-08	8.07E-07	8.87E-08	2.73E-09	9.14E-08
1748	438250.44	3725992.98	7.41E-07	2.33E-08	7.64E-07	1.52E-07	5.45E-09	1.57E-07	7.93E-07	2.58E-08	8.19E-07	9.00E-08	2.80E-09	9.28E-08
1749	438236.91	3725999.87	7.50E-07	2.38E-08	7.74E-07	1.54E-07	5.58E-09	1.59E-07	8.02E-07	2.64E-08	8.29E-07	9.11E-08	2.87E-09	9.40E-08
1750	438223.39	3726006.76	7.58E-07	2.42E-08	7.82E-07	1.55E-07	5.71E-09	1.61E-07	8.11E-07	2.70E-08	8.38E-07	9.22E-08	2.94E-09	9.51E-08
1751	438209.87	3726013.65	7.65E-07	2.47E-08	7.90E-07	1.57E-07	5.84E-09	1.63E-07	8.19E-07	2.76E-08	8.47E-07	9.32E-08	3.01E-09	9.63E-08
1752	438196.34	3726020.54	7.73E-07	2.52E-08	7.98E-07	1.59E-07	5.97E-09	1.65E-07	8.27E-07	2.83E-08	8.55E-07	9.42E-08	3.08E-09	9.73E-08
1753	438182.82	3726027.43	7.78E-07	2.57E-08	8.04E-07	1.60E-07	6.10E-09	1.66E-07	8.33E-07	2.89E-08	8.62E-07	9.51E-08	3.15E-09	9.82E-08
1754	438169.3	3726034.32	7.83E-07	2.61E-08	8.09E-07	1.61E-07	6.22E-09	1.67E-07	8.38E-07	2.94E-08	8.67E-07	9.57E-08	3.22E-09	9.90E-08
1755	438155.77	3726041.21	7.86E-07	2.65E-08	8.12E-07	1.62E-07	6.34E-09	1.68E-07	8.41E-07	3.00E-08	8.71E-07	9.63E-08	3.29E-09	9.95E-08
1756	438142.25	3726048.11	7.87E-07	2.68E-08	8.14E-07	1.62E-07	6.44E-09	1.68E-07	8.43E-07	3.05E-08	8.73E-07	9.66E-08	3.34E-09	9.99E-08
1757	437452.66	3726127.58	3.84E-07	1.89E-08	4.02E-07	8.08E-08	4.97E-09	8.57E-08	4.12E-07	2.36E-08	4.36E-07	5.01E-08	2.67E-09	5.27E-08
1758	437438.24	3726122.84	3.74E-07	1.84E-08	3.93E-07	7.88E-08	4.84E-09	8.37E-08	4.02E-07	2.30E-08	4.25E-07	4.88E-08	2.60E-09	5.14E-08
1759	437423.82	3726118.1	3.65E-07	1.79E-08	3.83E-07	7.69E-08	4.72E-09	8.16E-08	3.92E-07	2.24E-08	4.15E-07	4.76E-08	2.53E-09	5.02E-08
1760	437409.4	3726113.37	3.56E-07	1.74E-08	3.74E-07	7.50E-08	4.59E-09	7.96E-08	3.83E-07	2.18E-08	4.05E-07	4.65E-08	2.46E-09	4.89E-08
1761	437366.14	3726099.16	3.28E-07	1.59E-08	3.44E-07	6.90E-08	4.18E-09	7.32E-08	3.52E-07	1.98E-08	3.72E-07	4.27E-08	2.24E-09	4.50E-08
1762	437351.72	3726094.42	3.19E-07	1.54E-08	3.34E-07	6.72E-08	4.05E-09	7.12E-08	3.43E-07	1.92E-08	3.62E-07	4.16E-08	2.17E-09	4.38E-08
1763	437337.31	3726089.68	3.10E-07	1.49E-08	3.25E-07	6.54E-08	3.93E-09	6.93E-08	3.34E-07	1.86E-08	3.52E-07	4.04E-08	2.10E-09	4.26E-08
1764	437322.89	3726084.94	3.02E-07	1.45E-08	3.16E-07	6.36E-08	3.80E-09	6.74E-08	3.25E-07	1.80E-08	3.43E-07	3.93E-08	2.04E-09	4.14E-08
1765	437308.47	3726080.21	2.94E-07	1.40E-08	3.08E-07	6.18E-08	3.68E-09	6.55E-08	3.16E-07	1.74E-08	3.33E-07	3.82E-08	1.97E-09	4.02E-08
1766	437294.05	3726075.47	2.85E-07	1.36E-08	2.99E-07	6.00E-08	3.55E-09	6.36E-08	3.07E-07	1.68E-08	3.24E-07	3.71E-08	1.90E-09	3.90E-08
1767	437279.63	3726070.73	2.77E-07	1.31E-08	2.90E-07	5.83E-08	3.43E-09	6.17E-08	2.98E-07	1.63E-08	3.14E-07	3.60E-08	1.84E-09	3.79E-08

1768	437265.21	3726066	2.69E-07	1.27E-08	2.82E-07	5.66E-08	3.31E-09	5.99E-08	2.89E-07	1.57E-08	3.05E-07	3.50E-08	1.77E-09	3.68E-08
1769	437250.79	3726061.26	2.61E-07	1.22E-08	2.74E-07	5.50E-08	3.19E-09	5.82E-08	2.81E-07	1.51E-08	2.96E-07	3.40E-08	1.71E-09	3.57E-08
1770	437236.37	3726056.52	2.54E-07	1.18E-08	2.66E-07	5.33E-08	3.08E-09	5.64E-08	2.73E-07	1.46E-08	2.87E-07	3.29E-08	1.65E-09	3.46E-08
1771	437221.95	3726051.78	2.46E-07	1.14E-08	2.57E-07	5.17E-08	2.96E-09	5.46E-08	2.64E-07	1.40E-08	2.78E-07	3.19E-08	1.58E-09	3.35E-08
1772	437207.53	3726047.05	2.38E-07	1.09E-08	2.49E-07	5.01E-08	2.85E-09	5.29E-08	2.56E-07	1.35E-08	2.70E-07	3.09E-08	1.52E-09	3.24E-08
1773	438241.6	3726038.93	7.06E-07	2.27E-08	7.28E-07	1.45E-07	5.35E-09	1.50E-07	7.55E-07	2.53E-08	7.80E-07	8.60E-08	2.76E-09	8.87E-08
1774	438228.22	3726045.75	7.11E-07	2.31E-08	7.34E-07	1.46E-07	5.46E-09	1.51E-07	7.61E-07	2.58E-08	7.87E-07	8.67E-08	2.82E-09	8.95E-08
1775	438214.85	3726052.56	7.16E-07	2.35E-08	7.40E-07	1.47E-07	5.57E-09	1.53E-07	7.66E-07	2.63E-08	7.93E-07	8.74E-08	2.88E-09	9.03E-08
1776	438201.47	3726059.38	7.21E-07	2.39E-08	7.45E-07	1.48E-07	5.68E-09	1.54E-07	7.72E-07	2.69E-08	7.99E-07	8.82E-08	2.94E-09	9.11E-08
1777	438188.1	3726066.19	7.25E-07	2.42E-08	7.50E-07	1.49E-07	5.79E-09	1.55E-07	7.77E-07	2.74E-08	8.04E-07	8.88E-08	3.00E-09	9.18E-08
1778	438174.72	3726073.01	7.28E-07	2.46E-08	7.53E-07	1.50E-07	5.89E-09	1.56E-07	7.80E-07	2.79E-08	8.07E-07	8.92E-08	3.05E-09	9.23E-08
1779	437388.02	3726145.21	3.12E-07	1.48E-08	3.27E-07	6.56E-08	3.89E-09	6.95E-08	3.35E-07	1.84E-08	3.54E-07	4.05E-08	2.08E-09	4.26E-08
1780	437359.5	3726135.84	2.97E-07	1.40E-08	3.11E-07	6.24E-08	3.68E-09	6.61E-08	3.19E-07	1.74E-08	3.37E-07	3.86E-08	1.97E-09	4.05E-08
1781	437345.24	3726131.16	2.90E-07	1.37E-08	3.04E-07	6.10E-08	3.58E-09	6.46E-08	3.12E-07	1.70E-08	3.29E-07	3.77E-08	1.92E-09	3.96E-08
1782	437330.98	3726126.47	2.83E-07	1.33E-08	2.97E-07	5.96E-08	3.48E-09	6.30E-08	3.04E-07	1.65E-08	3.21E-07	3.68E-08	1.86E-09	3.86E-08
1783	437316.72	3726121.79	2.76E-07	1.29E-08	2.89E-07	5.81E-08	3.38E-09	6.15E-08	2.97E-07	1.60E-08	3.13E-07	3.59E-08	1.81E-09	3.77E-08
1784	437302.46	3726117.1	2.69E-07	1.26E-08	2.82E-07	5.66E-08	3.28E-09	5.99E-08	2.89E-07	1.55E-08	3.05E-07	3.49E-08	1.75E-09	3.67E-08
1785	437288.2	3726112.42	2.62E-07	1.22E-08	2.74E-07	5.51E-08	3.18E-09	5.82E-08	2.82E-07	1.51E-08	2.97E-07	3.40E-08	1.70E-09	3.57E-08
1786	437273.93	3726107.73	2.55E-07	1.18E-08	2.67E-07	5.37E-08	3.08E-09	5.67E-08	2.75E-07	1.46E-08	2.89E-07	3.31E-08	1.65E-09	3.47E-08
1787	437259.67	3726103.05	2.49E-07	1.15E-08	2.61E-07	5.23E-08	2.99E-09	5.53E-08	2.68E-07	1.42E-08	2.82E-07	3.23E-08	1.60E-09	3.39E-08
1788	437245.41	3726098.36	2.43E-07	1.11E-08	2.54E-07	5.10E-08	2.90E-09	5.39E-08	2.61E-07	1.37E-08	2.75E-07	3.14E-08	1.55E-09	3.30E-08
1789	437231.15	3726093.68	2.37E-07	1.08E-08	2.47E-07	4.97E-08	2.80E-09	5.25E-08	2.54E-07	1.33E-08	2.67E-07	3.06E-08	1.50E-09	3.21E-08
1790	437216.89	3726089	2.30E-07	1.04E-08	2.41E-07	4.83E-08	2.71E-09	5.10E-08	2.47E-07	1.29E-08	2.60E-07	2.97E-08	1.45E-09	3.12E-08
1791	437202.63	3726084.31	2.24E-07	1.01E-08	2.34E-07	4.69E-08	2.62E-09	4.95E-08	2.40E-07	1.24E-08	2.53E-07	2.89E-08	1.40E-09	3.03E-08
1792	437188.37	3726079.63	2.18E-07	9.75E-09	2.27E-07	4.56E-08	2.53E-09	4.82E-08	2.34E-07	1.20E-08	2.46E-07	2.81E-08	1.35E-09	2.94E-08
1793	437347.85	3726170.89	2.72E-07	1.26E-08	2.85E-07	5.72E-08	3.28E-09	6.04E-08	2.92E-07	1.56E-08	3.08E-07	3.52E-08	1.76E-09	3.70E-08
1794	437333.58	3726166.2	2.66E-07	1.23E-08	2.79E-07	5.59E-08	3.20E-09	5.91E-08	2.86E-07	1.52E-08	3.01E-07	3.45E-08	1.71E-09	3.62E-08
1795	437319.3	3726161.51	2.61E-07	1.20E-08	2.73E-07	5.47E-08	3.12E-09	5.78E-08	2.80E-07	1.48E-08	2.95E-07	3.37E-08	1.67E-09	3.54E-08
1796	437305.02	3726156.82	2.55E-07	1.17E-08	2.66E-07	5.35E-08	3.04E-09	5.65E-08	2.74E-07	1.44E-08	2.88E-07	3.30E-08	1.63E-09	3.46E-08
1797	437290.75	3726152.13	2.49E-07	1.14E-08	2.60E-07	5.23E-08	2.96E-09	5.52E-08	2.67E-07	1.40E-08	2.82E-07	3.22E-08	1.58E-09	3.38E-08
1798	437276.47	3726147.44	2.43E-07	1.11E-08	2.54E-07	5.11E-08	2.88E-09	5.40E-08	2.62E-07	1.37E-08	2.75E-07	3.15E-08	1.54E-09	3.30E-08
1799	437262.2	3726142.75	2.38E-07	1.08E-08	2.49E-07	4.99E-08	2.80E-09	5.27E-08	2.56E-07	1.33E-08	2.69E-07	3.07E-08	1.50E-09	3.22E-08
1800	437247.92	3726138.06	2.32E-07	1.05E-08	2.43E-07	4.87E-08	2.72E-09	5.14E-08	2.49E-07	1.29E-08	2.62E-07	3.00E-08	1.45E-09	3.14E-08
1801	437233.65	3726133.37	2.26E-07	1.02E-08	2.37E-07	4.75E-08	2.64E-09	5.01E-08	2.43E-07	1.25E-08	2.56E-07	2.92E-08	1.41E-09	3.06E-08
1802	437219.37	3726128.68	2.21E-07	9.89E-09	2.31E-07	4.63E-08	2.56E-09	4.89E-08	2.37E-07	1.22E-08	2.49E-07	2.85E-08	1.37E-09	2.99E-08
1803	437205.09	3726123.99	2.15E-07	9.60E-09	2.25E-07	4.52E-08	2.49E-09	4.76E-08	2.31E-07	1.18E-08	2.43E-07	2.78E-08	1.33E-09	2.91E-08
1804	437190.82	3726119.3	2.10E-07	9.33E-09	2.20E-07	4.41E-08	2.41E-09	4.65E-08	2.26E-07	1.14E-08	2.37E-07	2.71E-08	1.29E-09	2.84E-08
1805	437176.54	3726114.61	2.06E-07	9.08E-09	2.15E-07	4.31E-08	2.35E-09	4.54E-08	2.21E-07	1.11E-08	2.32E-07	2.65E-08	1.25E-09	2.77E-08
1806	437162.27	3726109.92	2.01E-07	8.84E-09	2.10E-07	4.21E-08	2.28E-09	4.44E-08	2.16E-07	1.08E-08	2.27E-07	2.59E-08	1.22E-09	2.71E-08
1807	437336.21	3726205.94	2.54E-07	1.16E-08	2.66E-07	5.33E-08	3.00E-09	5.63E-08	2.73E-07	1.42E-08	2.87E-07	3.28E-08	1.60E-09	3.44E-08
1808	437321.93	3726201.24	2.48E-07	1.12E-08	2.59E-07	5.20E-08	2.92E-09	5.50E-08	2.66E-07	1.38E-08	2.80E-07	3.20E-08	1.56E-09	3.36E-08
1809	437307.64	3726196.55	2.42E-07	1.10E-08	2.53E-07	5.09E-08	2.85E-09	5.37E-08	2.61E-07	1.35E-08	2.74E-07	3.13E-08	1.52E-09	3.28E-08
1810	437293.35	3726191.86	2.37E-07	1.07E-08	2.48E-07	4.97E-08	2.77E-09	5.25E-08	2.55E-07	1.31E-08	2.68E-07	3.06E-08	1.48E-09	3.21E-08
1811	437279.06	3726187.16	2.32E-07	1.04E-08	2.43E-07	4.87E-08	2.70E-09	5.14E-08	2.49E-07	1.28E-08	2.62E-07	2.99E-08	1.44E-09	3.14E-08
1812	437264.77	3726182.47	2.28E-07	1.02E-08	2.38E-07	4.77E-08	2.64E-09	5.04E-08	2.45E-07	1.25E-08	2.57E-07	2.94E-08	1.41E-09	3.08E-08
1813	437250.48	3726177.77	2.23E-07	9.98E-09	2.33E-07	4.69E-08	2.58E-09	4.94E-08	2.40E-07	1.22E-08	2.52E-07	2.88E-08	1.38E-09	3.02E-08
1814	437236.19	3726173.08	2.19E-07	9.74E-09	2.29E-07	4.59E-08	2.52E-09	4.84E-08	2.35E-07	1.20E-08	2.47E-07	2.82E-08	1.34E-09	2.96E-08
1815	437221.9	3726168.38	2.14E-07	9.49E-09	2.24E-07	4.49E-08	2.46E-09	4.73E-08	2.30E-07	1.16E-08	2.42E-07	2.76E-08	1.31E-09	2.89E-08
1816	437207.61	3726163.69	2.10E-07	9.26E-09	2.19E-07	4.39E-08	2.39E-09	4.63E-08	2.25E-07	1.13E-08	2.37E-07	2.70E-08	1.28E-09	2.83E-08
1817	437193.32	3726159	2.05E-07	9.01E-09	2.14E-07	4.29E-08	2.33E-09	4.52E-08	2.20E-07	1.10E-08	2.31E-07	2.64E-08	1.24E-09	2.76E-08
1818	437179.03	3726154.3	2.00E-07	8.75E-09	2.09E-07	4.19E-08	2.26E-09	4.41E-08	2.15E-07	1.07E-08	2.25E-07	2.57E-08	1.20E-09	2.69E-08
1819	437164.74	3726149.61	1.95E-07	8.52E-09	2.04E-07	4.09E-08	2.20E-09	4.31E-08	2.10E-07	1.04E-08	2.20E-07	2.51E-08	1.17E-09	2.63E-08
1820	437150.45	3726144.91	1.92E-07	8.34E-09	2.00E-07	4.02E-08	2.15E-09	4.23E-08	2.06E-07	1.02E-08	2.16E-07	2.47E-08	1.14E-09	2.58E-08
1821	437136.16	3726140.22	1.88E-07	8.15E-09	1.96E-07	3.94E-08	2.10E-09	4.15E-08	2.02E-07	9.95E-09	2.12E-07	2.42E-08	1.12E-09	2.53E-08
1822	437396.1	3726264.48	2.66E-07	1.21E-08	2.78E-07	5.58E-08	3.13E-09	5.89E-08	2.86E-07	1.48E-08	3.01E-07	3.43E-08	1.67E-09	3.60E-08
1823	437324.59	3726240.99	2.39E-07	1.07E-08	2.50E-07	5.01E-08	2.78E-09	5.29E-08	2.57E-07	1.32E-08	2.70E-07	3.08E-08	1.48E-09	3.23E-08
1824	437310.29	3726236.29	2.33E-07	1.04E-08	2.43E-07	4.87E-08	2.69E-09	5.14E-08	2.50E-07	1.27E-08	2.63E-07	3.00E-08	1.43E-09	3.14E-08
1825	437295.98	3726231.59	2.27E-07	1.01E-08	2.37E-07	4.75E-08	2.61E-09	5.01E-08	2.43E-07	1.23E-08	2.56E-07	2.92E-08	1.39E-09	3.06E-08
1826	437281.68	3726226.89	2.21E-07	9.79E-09	2.31E-07	4.63E-08	2.53E-09	4.88E-08	2.37E-07	1.20E-08	2.49E-07	2.84E-08	1.35E-09	2.98E-08
1827	437267.38	3726222.2	2.16E-07	9.55E-09	2.26E-07	4.53E-08	2.47E-09	4.78E-08	2.32E-07	1.17E-08	2.44E-07	2.78E-08	1.31E-09	2.91E-08
1828	437253.08	3726217.5	2.13E-07	9.36E-09	2.22E-07	4.45E-08	2.42E-09	4.70E-08	2.28E-07	1.15E-08	2.40E-07	2.73E-08	1.29E-09	2.86E-08
1829	437238.77	3726212.8	2.10E-07	9.24E-09	2.19E-07	4.40E-08	2.38E-09	4.64E-08	2.26E-07	1.13E-08	2.37E-07	2.70E-08	1.27E-09	2.83E-08
1830	437224.47	3726208.1	2.07E-07	9.10E-09	2.17E-07	4.35E-08	2.35E-09	4.58E-08	2.23E-07	1.11E-08	2.34E-07	2.67E-08	1.25E-09	2.79E-08
1831	437210.17	3726203.4	2.04E-07	8.91E-09	2.13E-07	4.27E-08	2.30E-09	4.50E-08	2.19E-07	1.09E-08	2.30E-07	2.62E-08	1.22E-09	2.74E-08
1832	437195.87	3726198.7	2.00E-07	8.70E-09	2.08E-07	4.18E-08	2.24E-09	4.41E-08	2.14E-07	1.06E-08	2.25E-07	2.57E-08	1.19E-09	2.68E-08
1833	437181.57	3726194.01	1.95E-07	8.47E-09	2.04E-07	4.08E-08	2.18E-09	4.30E-08	2.10E-07	1.03E-08	2.20E-07	2.51E-08	1.16E-09	2.62E-08
1834	437167.26	3726189.31	1.91E-07	8.24E-09	1.99E-07	3.99E-08	2.12E-09	4.20E-08	2.05E-07	1.00E-08	2.15E-07	2.45E-08	1.13E-09	2.56E-08
1835	437152.96	3726184.61	1.87E-07	8.03E-09	1.95E-07	3.90E-08	2.07E-09	4.11E-08	2.00E-07	9.79E-09	2.10E-07	2.39E-08	1.10E-09	2.50E-08
1836	437138.66	3726179.91	1.83E-07	7.84E-09	1.91E-07	3.83E-08	2.02E-09	4.03E-08	1.96E-07	9.55E-09	2.06E-07	2.34E-08	1.07E-09	2.45E-08
1837	437124.36	3726175.21	1.79E-07	7.67E-09	1.87E-07	3.75E-08	1.97E-09	3.95E-08	1.93E-07	9.33E-09	2.02E-07	2.30E-08	1.05E-09	2.40E-08
1838	437110.05	3726170.51	1.76E-07	7.51E-09	1.84E-07	3.69E-08	1.93E-09	3.88E-08	1.89E-07	9.14E-09	1.98E-07	2.26E-08	1.03E-09	2.36E-08
1839	437095.75	3726165.81	1.72E-07	7.31E-09	1.80E-07	3.60E-08	1.87E-09	3.79E-08	1.85E-07	8.88E-09	1.94E-07	2.21E-08	9.96E-10	2.31E-08
1840	437413.16	3726308.96	2.55E-07	1.14E-08	2.67E-07	5.35E-08	2.95E-09	5.65E-08	2.74E-07	1.40E-08	2.88E-07	3.29E-08	1.58E-09	3.44E-08
1841	437398.85	3726304.26	2.53E-07	1.13E-08	2.64E-07	5.29E-08	2.92E-09	5.59E-08	2.71E-07	1.39E-08	2.85E-07	3.25E-08	1.56E-09	3.41E-08
1842	437384.54	3726299.56	2.50E-07	1.12E-08	2.61E-07	5.24E-08	2.90E-09	5.53E-08	2.69E-07	1.37E-08	2.83E-07	3.22E-08	1.54E-09	3.38E-08
1843	437370.22	3726294.85	2.46E-07	1.10E-08	2.57E-07	5.16E-08	2.85E-09	5.45E-08	2.65E-07	1.35E-08	2.78E-07	3.17E-08	1.52E-09	3.32E-08
1844	437355.91	3726290.15	2.41E-07	1.08E-08	2.52E-07	5.06E-08	2.78E-09	5.33E-08	2.59E-07	1.32E-08	2.72E-07	3.11E-08	1.48E-09	3.25E-08

1845	437341.6	3726285.45	2.36E-07	1.05E-08	2.47E-07	4.94E-08	2.71E-09	5.22E-08	2.54E-07	1.29E-08	2.66E-07	3.04E-08	1.45E-09	3.18E-08
1846	437327.28	3726280.75	2.31E-07	1.02E-08	2.41E-07	4.83E-08	2.64E-09	5.10E-08	2.48E-07	1.25E-08	2.60E-07	2.97E-08	1.41E-09	3.11E-08
1847	437312.97	3726276.04	2.25E-07	9.94E-09	2.35E-07	4.71E-08	2.57E-09	4.97E-08	2.42E-07	1.22E-08	2.54E-07	2.89E-08	1.37E-09	3.03E-08
1848	437298.65	3726271.34	2.19E-07	9.63E-09	2.28E-07	4.58E-08	2.48E-09	4.83E-08	2.35E-07	1.18E-08	2.47E-07	2.81E-08	1.32E-09	2.94E-08
1849	437284.34	3726266.64	2.13E-07	9.34E-09	2.23E-07	4.47E-08	2.41E-09	4.71E-08	2.29E-07	1.14E-08	2.41E-07	2.74E-08	1.28E-09	2.87E-08
1850	437270.03	3726261.94	2.08E-07	9.08E-09	2.17E-07	4.36E-08	2.34E-09	4.59E-08	2.24E-07	1.11E-08	2.35E-07	2.67E-08	1.25E-09	2.80E-08
1851	437255.71	3726257.24	2.03E-07	8.84E-09	2.12E-07	4.25E-08	2.28E-09	4.48E-08	2.18E-07	1.08E-08	2.29E-07	2.61E-08	1.21E-09	2.73E-08
1852	437241.4	3726252.53	1.99E-07	8.64E-09	2.08E-07	4.17E-08	2.22E-09	4.39E-08	2.14E-07	1.05E-08	2.25E-07	2.56E-08	1.18E-09	2.68E-08
1853	437227.08	3726247.83	1.96E-07	8.47E-09	2.04E-07	4.10E-08	2.18E-09	4.32E-08	2.11E-07	1.03E-08	2.21E-07	2.51E-08	1.16E-09	2.63E-08
1854	437212.77	3726243.13	1.94E-07	8.36E-09	2.02E-07	4.05E-08	2.15E-09	4.27E-08	2.08E-07	1.02E-08	2.18E-07	2.48E-08	1.14E-09	2.60E-08
1855	437198.46	3726238.43	1.92E-07	8.26E-09	2.00E-07	4.01E-08	2.12E-09	4.22E-08	2.06E-07	1.01E-08	2.16E-07	2.46E-08	1.13E-09	2.57E-08
1856	437184.14	3726233.72	1.89E-07	8.11E-09	1.97E-07	3.95E-08	2.08E-09	4.15E-08	2.03E-07	9.87E-09	2.12E-07	2.42E-08	1.11E-09	2.53E-08
1857	437169.83	3726229.02	1.85E-07	7.95E-09	1.93E-07	3.88E-08	2.04E-09	4.08E-08	1.99E-07	9.67E-09	2.09E-07	2.38E-08	1.09E-09	2.48E-08
1858	437155.52	3726224.32	1.82E-07	7.77E-09	1.90E-07	3.81E-08	2.00E-09	4.01E-08	1.95E-07	9.46E-09	2.05E-07	2.33E-08	1.06E-09	2.44E-08
1859	437141.2	3726219.62	1.78E-07	7.59E-09	1.86E-07	3.73E-08	1.95E-09	3.92E-08	1.91E-07	9.22E-09	2.01E-07	2.28E-08	1.03E-09	2.39E-08
1860	437126.89	3726214.91	1.74E-07	7.39E-09	1.82E-07	3.65E-08	1.89E-09	3.84E-08	1.87E-07	8.98E-09	1.96E-07	2.23E-08	1.01E-09	2.33E-08
1861	437112.57	3726210.21	1.71E-07	7.21E-09	1.78E-07	3.57E-08	1.85E-09	3.75E-08	1.83E-07	8.75E-09	1.92E-07	2.18E-08	9.81E-10	2.28E-08
1862	437098.26	3726205.51	1.67E-07	7.04E-09	1.74E-07	3.50E-08	1.80E-09	3.68E-08	1.80E-07	8.53E-09	1.88E-07	2.14E-08	9.57E-10	2.23E-08
1863	437083.95	3726200.81	1.64E-07	6.88E-09	1.71E-07	3.43E-08	1.76E-09	3.60E-08	1.76E-07	8.33E-09	1.84E-07	2.10E-08	9.34E-10	2.19E-08
1864	437069.63	3726196.11	1.61E-07	6.72E-09	1.67E-07	3.36E-08	1.72E-09	3.53E-08	1.73E-07	8.13E-09	1.81E-07	2.05E-08	9.12E-10	2.15E-08
1865	437743.55	3725409.23	4.29E-05	7.80E-07	4.36E-05	8.53E-06	1.30E-07	8.66E-06	4.56E-05	6.12E-07	4.62E-05	4.80E-06	5.65E-08	4.86E-06
1866	437750.64	3725402.77	4.28E-05	7.63E-07	4.35E-05	8.51E-06	1.25E-07	8.64E-06	4.55E-05	5.86E-07	4.61E-05	4.78E-06	5.35E-08	4.84E-06
1867	437753.68	3725416.69	3.42E-05	6.50E-07	3.49E-05	6.82E-06	1.13E-07	6.93E-06	3.64E-05	5.30E-07	3.69E-05	3.85E-06	5.01E-08	3.90E-06
1868	437757.44	3725395.75	4.21E-05	7.39E-07	4.29E-05	8.39E-06	1.19E-07	8.50E-06	4.48E-05	5.59E-07	4.54E-05	4.71E-06	5.05E-08	4.76E-06
1869	437762.63	3725405.96	3.48E-05	6.37E-07	3.54E-05	6.93E-06	1.07E-07	7.04E-06	3.70E-05	5.03E-07	3.75E-05	3.90E-06	4.67E-08	3.95E-06
1870	437763.45	3725416.51	3.07E-05	5.86E-07	3.13E-05	6.12E-06	1.02E-07	6.22E-06	3.26E-05	4.81E-07	3.31E-05	3.45E-06	4.56E-08	3.50E-06
1871	437759.92	3725427.41	2.83E-05	5.67E-07	2.88E-05	5.65E-06	1.03E-07	5.75E-06	3.01E-05	4.83E-07	3.06E-05	3.20E-06	4.68E-08	3.24E-06
1872	437764.13	3725388.5	4.07E-05	7.06E-07	4.15E-05	8.10E-06	1.13E-07	8.22E-06	4.33E-05	5.28E-07	4.39E-05	4.55E-06	4.73E-08	4.59E-06
1873	437769.66	3725399.39	3.37E-05	6.08E-07	3.43E-05	6.71E-06	1.01E-07	6.81E-06	3.58E-05	4.74E-07	3.63E-05	3.77E-06	4.37E-08	3.82E-06
1874	437773.3	3725416.1	2.75E-05	5.29E-07	2.80E-05	5.48E-06	9.29E-08	5.58E-06	2.92E-05	4.36E-07	2.97E-05	3.10E-06	4.15E-08	3.14E-06
1875	437769.54	3725427.72	2.56E-05	5.15E-07	2.61E-05	5.11E-06	9.38E-08	5.21E-06	2.72E-05	4.41E-07	2.77E-05	2.90E-06	4.28E-08	2.94E-06
1876	437770.75	3725381.14	3.87E-05	6.65E-07	3.94E-05	7.70E-06	1.06E-07	7.80E-06	4.12E-05	4.94E-07	4.17E-05	4.32E-06	4.41E-08	4.36E-06
1877	437776.51	3725392.49	3.23E-05	5.78E-07	3.29E-05	6.44E-06	9.52E-08	6.53E-06	3.44E-05	4.46E-07	3.48E-05	3.62E-06	4.08E-08	3.66E-06
1878	437782.28	3725403.83	2.73E-05	5.09E-07	2.78E-05	5.45E-06	8.70E-08	5.53E-06	2.91E-05	4.08E-07	2.95E-05	3.07E-06	3.83E-08	3.11E-06
1879	437783.2	3725415.56	2.46E-05	4.77E-07	2.51E-05	4.91E-06	8.43E-08	5.00E-06	2.62E-05	3.96E-07	2.66E-05	2.78E-06	3.78E-08	2.81E-06
1880	437777.35	3725373.71	3.64E-05	6.23E-07	3.71E-05	7.25E-06	9.84E-08	7.35E-06	3.88E-05	4.60E-07	3.92E-05	4.07E-06	4.09E-08	4.11E-06
1881	437783.27	3725385.38	3.07E-05	5.44E-07	3.13E-05	6.12E-06	8.91E-08	6.20E-06	3.27E-05	4.18E-07	3.31E-05	3.44E-06	3.81E-08	3.48E-06
1882	437789.2	3725397.05	2.61E-05	4.81E-07	2.66E-05	5.21E-06	8.17E-08	5.29E-06	2.78E-05	3.83E-07	2.82E-05	2.94E-06	3.57E-08	2.97E-06
1883	437785.04	3725439.85	1.98E-05	4.21E-07	2.02E-05	3.97E-06	7.98E-08	4.04E-06	2.11E-05	3.76E-07	2.15E-05	2.25E-06	3.72E-08	2.29E-06
1884	437783.92	3725366.25	3.40E-05	5.79E-07	3.46E-05	6.76E-06	9.12E-08	6.85E-06	3.62E-05	4.27E-07	3.66E-05	3.79E-06	3.79E-08	3.83E-06
1885	437789.97	3725378.16	2.90E-05	5.10E-07	2.95E-05	5.77E-06	8.32E-08	5.85E-06	3.08E-05	3.90E-07	3.12E-05	3.24E-06	3.54E-08	3.28E-06
1886	437796.02	3725390.07	2.48E-05	4.53E-07	2.52E-05	4.94E-06	7.65E-08	5.02E-06	2.64E-05	3.59E-07	2.67E-05	2.78E-06	3.33E-08	2.82E-06
1887	437798.92	3725427.01	1.90E-05	3.88E-07	1.94E-05	3.81E-06	7.15E-08	3.88E-06	2.03E-05	3.36E-07	2.06E-05	2.16E-06	3.28E-08	2.19E-06
1888	437794.79	3725439.72	1.81E-05	3.86E-07	1.85E-05	3.63E-06	7.32E-08	3.70E-06	1.93E-05	3.45E-07	1.96E-05	2.07E-06	3.42E-08	2.10E-06
1889	437790.48	3725358.75	3.15E-05	5.35E-07	3.20E-05	6.26E-06	8.43E-08	6.34E-06	3.35E-05	3.94E-07	3.39E-05	3.51E-06	3.50E-08	3.55E-06
1890	437796.63	3725370.85	2.71E-05	4.76E-07	2.76E-05	5.40E-06	7.74E-08	5.48E-06	2.89E-05	3.63E-07	2.92E-05	3.04E-06	3.29E-08	3.07E-06
1891	437802.77	3725382.96	2.34E-05	4.25E-07	2.38E-05	4.66E-06	7.15E-08	4.73E-06	2.49E-05	3.35E-07	2.52E-05	2.63E-06	3.11E-08	2.66E-06
1892	437812.97	3725413.62	1.77E-05	3.51E-07	1.80E-05	3.54E-06	6.35E-08	3.60E-06	1.88E-05	2.98E-07	1.91E-05	2.00E-06	2.88E-08	2.03E-06
1893	437808.79	3725426.53	1.72E-05	3.54E-07	1.76E-05	3.45E-06	6.54E-08	3.51E-06	1.83E-05	3.08E-07	1.87E-05	1.96E-06	3.01E-08	1.99E-06
1894	437804.6	3725439.44	1.66E-05	3.54E-07	1.69E-05	3.32E-06	6.72E-08	3.39E-06	1.77E-05	3.16E-07	1.80E-05	1.89E-06	3.14E-08	1.92E-06
1895	437800.41	3725452.35	1.58E-05	3.53E-07	1.62E-05	3.18E-06	6.91E-08	3.24E-06	1.69E-05	3.25E-07	1.72E-05	1.81E-06	3.28E-08	1.85E-06
1896	437797.03	3725351.24	2.91E-05	4.94E-07	2.95E-05	5.78E-06	7.78E-08	5.86E-06	3.09E-05	3.64E-07	3.13E-05	3.24E-06	3.23E-08	3.28E-06
1897	437803.26	3725363.49	2.53E-05	4.43E-07	2.57E-05	5.03E-06	7.19E-08	5.10E-06	2.69E-05	3.37E-07	2.72E-05	2.83E-06	3.05E-08	2.86E-06
1898	437809.48	3725375.75	2.20E-05	3.98E-07	2.24E-05	4.38E-06	6.68E-08	4.45E-06	2.34E-05	3.13E-07	2.37E-05	2.47E-06	2.90E-08	2.50E-06
1899	437821.92	3725400.25	1.69E-05	3.29E-07	1.73E-05	3.39E-06	5.86E-08	3.44E-06	1.80E-05	2.75E-07	1.83E-05	1.92E-06	2.64E-08	1.94E-06
1900	437822.92	3725412.92	1.59E-05	3.18E-07	1.62E-05	3.18E-06	5.80E-08	3.23E-06	1.69E-05	2.73E-07	1.72E-05	1.80E-06	2.65E-08	1.83E-06
1901	437818.68	3725425.99	1.56E-05	3.22E-07	1.59E-05	3.12E-06	6.00E-08	3.18E-06	1.66E-05	2.82E-07	1.69E-05	1.78E-06	2.77E-08	1.80E-06
1902	437814.44	3725439.06	1.52E-05	3.24E-07	1.55E-05	3.04E-06	6.18E-08	3.10E-06	1.61E-05	2.91E-07	1.64E-05	1.73E-06	2.89E-08	1.76E-06
1903	437810.2	3725452.14	1.46E-05	3.25E-07	1.49E-05	2.93E-06	6.36E-08	2.99E-06	1.55E-05	3.00E-07	1.58E-05	1.67E-06	3.02E-08	1.70E-06
1904	437805.96	3725465.21	1.40E-05	3.26E-07	1.43E-05	2.81E-06	6.55E-08	2.87E-06	1.49E-05	3.09E-07	1.52E-05	1.61E-06	3.15E-08	1.64E-06
1905	437803.58	3725343.71	2.67E-05	4.54E-07	2.71E-05	5.31E-06	7.17E-08	5.38E-06	2.84E-05	3.36E-07	2.87E-05	2.98E-06	2.98E-08	3.01E-06
1906	437809.86	3725356.09	2.34E-05	4.10E-07	2.38E-05	4.66E-06	6.67E-08	4.73E-06	2.49E-05	3.12E-07	2.52E-05	2.62E-06	2.83E-08	2.65E-06
1907	437816.15	3725368.47	2.06E-05	3.72E-07	2.10E-05	4.11E-06	6.23E-08	4.17E-06	2.19E-05	2.92E-07	2.22E-05	2.31E-06	2.70E-08	2.34E-06
1908	437828.72	3725393.22	1.60E-05	3.10E-07	1.63E-05	3.20E-06	5.49E-08	3.26E-06	1.71E-05	2.58E-07	1.73E-05	1.81E-06	2.47E-08	1.84E-06
1909	437832.86	3725412.2	1.43E-05	2.89E-07	1.46E-05	2.86E-06	5.31E-08	2.91E-06	1.52E-05	2.50E-07	1.55E-05	1.62E-06	2.43E-08	1.65E-06
1910	437828.58	3725425.41	1.41E-05	2.94E-07	1.44E-05	2.83E-06	5.50E-08	2.89E-06	1.51E-05	2.59E-07	1.53E-05	1.61E-06	2.55E-08	1.64E-06
1911	437824.3	3725438.61	1.38E-05	2.97E-07	1.41E-05	2.78E-06	5.68E-08	2.83E-06	1.48E-05	2.68E-07	1.50E-05	1.58E-06	2.66E-08	1.61E-06
1912	437820.02	3725451.82	1.34E-05	2.99E-07	1.37E-05	2.70E-06	5.86E-08	2.76E-06	1.43E-05	2.76E-07	1.46E-05	1.54E-06	2.78E-08	1.57E-06
1913	437815.74	3725465.02	1.30E-05	3.01E-07	1.33E-05	2.61E-06	6.04E-08	2.67E-06	1.38E-05	2.85E-07	1.41E-05	1.49E-06	2.90E-08	1.52E-06
1914	437816.65	3725328.63	2.22E-05	3.80E-07	2.26E-05	4.42E-06	6.04E-08	4.48E-06	2.36E-05	2.83E-07	2.39E-05	2.48E-06	2.53E-08	2.51E-06
1915	437823.03	3725341.2	2.00E-05	3.50E-07	2.03E-05	3.98E-06	5.72E-08	4.03E-06	2.12E-05	2.68E-07	2.15E-05	2.24E-06	2.43E-08	2.26E-06
1916	437829.41	3725353.76	1.79E-05	3.23E-07	1.82E-05	3.57E-06	5.41E-08	3.62E-06	1.90E-05	2.53E-07	1.93E-05	2.01E-06	2.34E-08	2.03E-06
1917	437842.18	3725378.9	1.42E-05	2.73E-07	1.45E-05	2.85E-06	4.83E-08	2.90E-06	1.52E-05	2.27E-07	1.54E-05	1.61E-06	2.16E-08	1.63E-06
1918	437848.56	3725391.47	1.28E-05	2.54E-07	1.31E-05	2.56E-06	4.59E-08	2.61E-06	1.36E-05	2.16E-07	1.38E-05	1.45E-06	2.09E-08	1.47E-06
1919	437852.77	3725410.74	1.16E-05	2.40E-07	1.19E-05	2.33E-06	4.48E-08	2.38E-06	1.24E-05	2.11E-07	1.26E-05	1.33E-06	2.07E-08	1.35E-06
1920	437848.42	3725424.15	1.17E-05	2.46E-07	1.19E-05	2.34E-06	4.66E-08	2.39E-06	1.24E-05	2.19E-07	1.26E-05	1.33E-06	2.17E-08	1.35E-06
1921	437844.08	3725437.56	1.16E-05	2.51E-07	1.18E-05	2.32E-06	4.83E-08	2.37E-06	1.23E-05	2.27E-07	1.26E-05	1.32E-06	2.27E-08	1.35E-06

1922	437831.04	3725477.78	1.08E-05	2.60E-07	1.11E-05	2.18E-06	5.32E-08	2.23E-06	1.15E-05	2.51E-07	1.18E-05	1.25E-06	2.58E-08	1.28E-06
1923	437829.71	3725313.52	1.84E-05	3.17E-07	1.87E-05	3.66E-06	5.09E-08	3.71E-06	1.95E-05	2.38E-07	1.98E-05	2.06E-06	2.15E-08	2.08E-06
1924	437836.16	3725326.23	1.69E-05	2.98E-07	1.72E-05	3.37E-06	4.90E-08	3.42E-06	1.80E-05	2.29E-07	1.82E-05	1.90E-06	2.10E-08	1.92E-06
1925	437842.62	3725338.94	1.54E-05	2.79E-07	1.57E-05	3.07E-06	4.69E-08	3.12E-06	1.64E-05	2.20E-07	1.66E-05	1.73E-06	2.04E-08	1.75E-06
1926	437855.52	3725364.35	1.26E-05	2.41E-07	1.28E-05	2.51E-06	4.25E-08	2.55E-06	1.34E-05	2.00E-07	1.36E-05	1.42E-06	1.90E-08	1.44E-06
1927	437861.98	3725377.06	1.14E-05	2.25E-07	1.16E-05	2.28E-06	4.06E-08	2.32E-06	1.21E-05	1.91E-07	1.23E-05	1.29E-06	1.84E-08	1.31E-06
1928	437868.43	3725389.77	1.04E-05	2.10E-07	1.06E-05	2.08E-06	3.88E-08	2.12E-06	1.10E-05	1.83E-07	1.12E-05	1.18E-06	1.79E-08	1.20E-06
1929	437872.68	3725409.25	9.58E-06	2.02E-07	9.78E-06	1.92E-06	3.82E-08	1.96E-06	1.02E-05	1.80E-07	1.04E-05	1.10E-06	1.78E-08	1.11E-06
1930	437859.5	3725449.93	9.65E-06	2.17E-07	9.86E-06	1.94E-06	4.28E-08	1.98E-06	1.03E-05	2.01E-07	1.05E-05	1.11E-06	2.04E-08	1.13E-06
1931	437855.1	3725463.48	9.52E-06	2.20E-07	9.74E-06	1.92E-06	4.41E-08	1.96E-06	1.01E-05	2.08E-07	1.04E-05	1.10E-06	2.12E-08	1.12E-06
1932	437850.71	3725477.04	9.33E-06	2.23E-07	9.56E-06	1.88E-06	4.55E-08	1.93E-06	9.95E-06	2.14E-07	1.02E-05	1.08E-06	2.20E-08	1.10E-06
1933	437846.31	3725490.6	9.08E-06	2.25E-07	9.31E-06	1.83E-06	4.67E-08	1.88E-06	9.69E-06	2.20E-07	9.91E-06	1.05E-06	2.28E-08	1.08E-06
1934	437842.76	3725298.4	1.54E-05	2.68E-07	1.57E-05	3.07E-06	4.36E-08	3.12E-06	1.64E-05	2.04E-07	1.66E-05	1.73E-06	1.85E-08	1.75E-06
1935	437849.27	3725311.21	1.44E-05	2.56E-07	1.47E-05	2.88E-06	4.24E-08	2.92E-06	1.54E-05	1.99E-07	1.56E-05	1.62E-06	1.83E-08	1.64E-06
1936	437855.78	3725324.03	1.34E-05	2.43E-07	1.36E-05	2.67E-06	4.11E-08	2.71E-06	1.42E-05	1.93E-07	1.44E-05	1.51E-06	1.79E-08	1.53E-06
1937	437868.79	3725349.65	1.11E-05	2.13E-07	1.14E-05	2.23E-06	3.77E-08	2.27E-06	1.19E-05	1.77E-07	1.20E-05	1.26E-06	1.69E-08	1.28E-06
1938	437875.3	3725362.47	1.02E-05	2.00E-07	1.04E-05	2.04E-06	3.62E-08	2.07E-06	1.08E-05	1.70E-07	1.10E-05	1.16E-06	1.64E-08	1.17E-06
1939	437881.81	3725375.28	9.30E-06	1.88E-07	9.49E-06	1.86E-06	3.47E-08	1.90E-06	9.91E-06	1.63E-07	1.01E-05	1.06E-06	1.59E-08	1.08E-06
1940	437888.31	3725388.1	8.51E-06	1.77E-07	8.69E-06	1.71E-06	3.32E-08	1.74E-06	9.07E-06	1.56E-07	9.22E-06	9.73E-07	1.54E-08	9.88E-07
1941	437888.17	3725421.42	8.10E-06	1.77E-07	8.28E-06	1.63E-06	3.42E-08	1.66E-06	8.63E-06	1.61E-07	8.79E-06	9.30E-07	1.62E-08	9.46E-07
1942	437879.31	3725448.76	8.20E-06	1.86E-07	8.39E-06	1.65E-06	3.69E-08	1.69E-06	8.74E-06	1.74E-07	8.91E-06	9.45E-07	1.76E-08	9.63E-07
1943	437874.88	3725462.43	8.16E-06	1.89E-07	8.35E-06	1.64E-06	3.81E-08	1.68E-06	8.70E-06	1.79E-07	8.88E-06	9.43E-07	1.83E-08	9.61E-07
1944	437855.81	3725283.26	1.29E-05	2.27E-07	1.32E-05	2.58E-06	3.74E-08	2.62E-06	1.38E-05	1.75E-07	1.39E-05	1.46E-06	1.60E-08	1.47E-06
1945	437862.36	3725296.16	1.23E-05	2.21E-07	1.26E-05	2.46E-06	3.69E-08	2.50E-06	1.31E-05	1.73E-07	1.33E-05	1.39E-06	1.60E-08	1.41E-06
1946	437868.91	3725309.06	1.16E-05	2.12E-07	1.18E-05	2.31E-06	3.61E-08	2.35E-06	1.23E-05	1.69E-07	1.25E-05	1.31E-06	1.58E-08	1.32E-06
1947	437882.01	3725334.86	9.97E-06	1.91E-07	1.02E-05	2.00E-06	3.39E-08	2.03E-06	1.06E-05	1.59E-07	1.08E-05	1.13E-06	1.52E-08	1.15E-06
1948	437888.56	3725347.76	9.15E-06	1.80E-07	9.33E-06	1.83E-06	3.25E-08	1.87E-06	9.75E-06	1.53E-07	9.90E-06	1.04E-06	1.48E-08	1.06E-06
1949	437895.11	3725360.65	8.44E-06	1.70E-07	8.61E-06	1.69E-06	3.14E-08	1.72E-06	8.99E-06	1.48E-07	9.14E-06	9.63E-07	1.44E-08	9.77E-07
1950	437901.66	3725373.55	7.80E-06	1.61E-07	7.96E-06	1.57E-06	3.03E-08	1.60E-06	8.31E-06	1.42E-07	8.46E-06	8.92E-07	1.40E-08	9.06E-07
1951	437912.53	3725406.23	6.73E-06	1.47E-07	6.88E-06	1.35E-06	2.86E-08	1.38E-06	7.18E-06	1.35E-07	7.31E-06	7.75E-07	1.35E-08	7.88E-07
1952	437908.07	3725419.99	6.83E-06	1.51E-07	6.98E-06	1.37E-06	2.97E-08	1.40E-06	7.28E-06	1.40E-07	7.42E-06	7.86E-07	1.41E-08	8.00E-07
1953	437903.61	3725433.75	6.92E-06	1.56E-07	7.08E-06	1.39E-06	3.08E-08	1.42E-06	7.38E-06	1.45E-07	7.52E-06	7.98E-07	1.47E-08	8.13E-07
1954	437881.3	3725502.56	6.79E-06	1.70E-07	6.96E-06	1.37E-06	3.57E-08	1.41E-06	7.25E-06	1.69E-07	7.42E-06	7.92E-07	1.75E-08	8.09E-07
1955	437876.84	3725516.32	6.65E-06	1.71E-07	6.82E-06	1.34E-06	3.65E-08	1.38E-06	7.09E-06	1.72E-07	7.27E-06	7.77E-07	1.80E-08	7.95E-07
1956	437868.85	3725268.12	1.09E-05	1.93E-07	1.11E-05	2.17E-06	3.22E-08	2.20E-06	1.16E-05	1.51E-07	1.17E-05	1.23E-06	1.39E-08	1.24E-06
1957	437875.43	3725281.09	1.05E-05	1.90E-07	1.07E-05	2.10E-06	3.21E-08	2.13E-06	1.12E-05	1.51E-07	1.13E-05	1.19E-06	1.40E-08	1.20E-06
1958	437882.02	3725294.05	1.00E-05	1.84E-07	1.02E-05	2.00E-06	3.17E-08	2.04E-06	1.07E-05	1.49E-07	1.08E-05	1.14E-06	1.40E-08	1.15E-06
1959	437895.19	3725319.99	8.92E-06	1.71E-07	9.09E-06	1.78E-06	3.05E-08	1.82E-06	9.50E-06	1.43E-07	9.64E-06	1.01E-06	1.37E-08	1.03E-06
1960	437901.77	3725332.95	8.33E-06	1.64E-07	8.49E-06	1.67E-06	2.96E-08	1.70E-06	8.87E-06	1.39E-07	9.01E-06	9.49E-07	1.35E-08	9.62E-07
1961	437908.36	3725345.92	7.74E-06	1.56E-07	7.90E-06	1.55E-06	2.87E-08	1.58E-06	8.25E-06	1.35E-07	8.39E-06	8.84E-07	1.32E-08	8.97E-07
1962	437914.94	3725358.89	7.20E-06	1.48E-07	7.35E-06	1.45E-06	2.78E-08	1.47E-06	7.67E-06	1.31E-07	7.80E-06	8.24E-07	1.29E-08	8.37E-07
1963	437928.11	3725384.82	6.19E-06	1.34E-07	6.32E-06	1.24E-06	2.59E-08	1.27E-06	6.60E-06	1.22E-07	6.72E-06	7.12E-07	1.22E-08	7.24E-07
1964	437932.46	3725404.7	5.81E-06	1.29E-07	5.94E-06	1.17E-06	2.54E-08	1.20E-06	6.20E-06	1.20E-07	6.32E-06	6.71E-07	1.21E-08	6.83E-07
1965	437927.97	3725418.54	5.86E-06	1.32E-07	5.99E-06	1.18E-06	2.61E-08	1.21E-06	6.25E-06	1.23E-07	6.37E-06	6.76E-07	1.25E-08	6.89E-07
1966	437923.49	3725432.37	5.92E-06	1.35E-07	6.05E-06	1.19E-06	2.70E-08	1.22E-06	6.31E-06	1.27E-07	6.44E-06	6.84E-07	1.29E-08	6.97E-07
1967	437919	3725446.21	5.96E-06	1.38E-07	6.10E-06	1.20E-06	2.78E-08	1.23E-06	6.35E-06	1.31E-07	6.48E-06	6.90E-07	1.34E-08	7.03E-07
1968	437910.03	3725473.88	6.04E-06	1.45E-07	6.19E-06	1.22E-06	2.97E-08	1.25E-06	6.45E-06	1.40E-07	6.59E-06	7.02E-07	1.44E-08	7.16E-07
1969	437905.55	3725487.71	6.02E-06	1.47E-07	6.17E-06	1.22E-06	3.04E-08	1.25E-06	6.42E-06	1.44E-07	6.56E-06	7.00E-07	1.49E-08	7.15E-07
1970	437901.06	3725501.54	5.96E-06	1.49E-07	6.11E-06	1.20E-06	3.11E-08	1.24E-06	6.36E-06	1.47E-07	6.51E-06	6.95E-07	1.53E-08	7.10E-07
1971	437896.58	3725515.38	5.87E-06	1.50E-07	6.02E-06	1.19E-06	3.18E-08	1.22E-06	6.26E-06	1.50E-07	6.41E-06	6.86E-07	1.57E-08	7.02E-07
1972	437892.09	3725529.21	5.76E-06	1.51E-07	5.91E-06	1.16E-06	3.24E-08	1.20E-06	6.14E-06	1.53E-07	6.29E-06	6.75E-07	1.60E-08	6.91E-07
1973	437881.89	3725252.97	9.19E-06	1.65E-07	9.35E-06	1.84E-06	2.79E-08	1.87E-06	9.79E-06	1.31E-07	9.92E-06	1.04E-06	1.22E-08	1.05E-06
1974	437888.5	3725265.99	9.01E-06	1.64E-07	9.18E-06	1.80E-06	2.81E-08	1.83E-06	9.60E-06	1.32E-07	9.73E-06	1.02E-06	1.24E-08	1.03E-06
1975	437895.12	3725279.02	8.70E-06	1.61E-07	8.87E-06	1.74E-06	2.80E-08	1.77E-06	9.27E-06	1.32E-07	9.40E-06	9.88E-07	1.24E-08	1.00E-06
1976	437908.34	3725305.06	7.93E-06	1.53E-07	8.09E-06	1.59E-06	2.74E-08	1.62E-06	8.45E-06	1.29E-07	8.58E-06	9.03E-07	1.24E-08	9.16E-07
1977	437914.96	3725318.09	7.51E-06	1.48E-07	7.66E-06	1.51E-06	2.69E-08	1.53E-06	8.00E-06	1.26E-07	8.13E-06	8.57E-07	1.22E-08	8.69E-07
1978	437921.57	3725331.11	7.07E-06	1.42E-07	7.21E-06	1.42E-06	2.63E-08	1.44E-06	7.54E-06	1.24E-07	7.66E-06	8.08E-07	1.21E-08	8.20E-07
1979	437928.18	3725344.13	6.62E-06	1.36E-07	6.76E-06	1.33E-06	2.56E-08	1.36E-06	7.06E-06	1.20E-07	7.18E-06	7.59E-07	1.19E-08	7.71E-07
1980	437941.41	3725370.18	5.78E-06	1.24E-07	5.91E-06	1.16E-06	2.40E-08	1.19E-06	6.17E-06	1.13E-07	6.28E-06	6.65E-07	1.13E-08	6.77E-07
1981	437948.02	3725383.2	5.41E-06	1.19E-07	5.53E-06	1.09E-06	2.33E-08	1.11E-06	5.77E-06	1.10E-07	5.88E-06	6.24E-07	1.10E-08	6.35E-07
1982	437952.39	3725403.17	5.10E-06	1.15E-07	5.21E-06	1.03E-06	2.29E-08	1.05E-06	5.44E-06	1.08E-07	5.55E-06	5.90E-07	1.09E-08	6.01E-07
1983	437947.88	3725417.07	5.13E-06	1.17E-07	5.24E-06	1.03E-06	2.34E-08	1.06E-06	5.47E-06	1.10E-07	5.58E-06	5.93E-07	1.12E-08	6.04E-07
1984	437943.38	3725430.96	5.18E-06	1.20E-07	5.30E-06	1.04E-06	2.41E-08	1.07E-06	5.52E-06	1.14E-07	5.64E-06	6.00E-07	1.16E-08	6.12E-07
1985	437938.87	3725444.86	5.22E-06	1.22E-07	5.34E-06	1.05E-06	2.48E-08	1.08E-06	5.57E-06	1.17E-07	5.68E-06	6.05E-07	1.20E-08	6.17E-07
1986	437934.37	3725458.75	5.24E-06	1.24E-07	5.37E-06	1.06E-06	2.54E-08	1.08E-06	5.59E-06	1.20E-07	5.71E-06	6.09E-07	1.23E-08	6.21E-07
1987	437925.36	3725486.54	5.26E-06	1.29E-07	5.38E-06	1.06E-06	2.67E-08	1.09E-06	5.61E-06	1.26E-07	5.73E-06	6.12E-07	1.30E-08	6.25E-07
1988	437920.85	3725500.43	5.23E-06	1.30E-07	5.36E-06	1.06E-06	2.73E-08	1.08E-06	5.58E-06	1.29E-07	5.71E-06	6.10E-07	1.34E-08	6.24E-07
1989	437916.35	3725514.33	5.19E-06	1.32E-07	5.32E-06	1.05E-06	2.79E-08	1.08E-06	5.54E-06	1.32E-07	5.67E-06	6.07E-07	1.37E-08	6.20E-07
1990	437911.85	3725528.22	5.12E-06	1.33E-07	5.25E-06	1.04E-06	2.84E-08	1.06E-06	5.46E-06	1.34E-07	5.60E-06	6.00E-07	1.41E-08	6.14E-07
1991	437894.93	3725237.82	7.83E-06	1.42E-07	7.98E-06	1.57E-06	2.44E-08	1.59E-06	8.35E-06	1.15E-07	8.46E-06	8.90E-07	1.07E-08	9.01E-07
1992	437901.56	3725250.89	7.75E-06	1.43E-07	7.89E-06	1.55E-06	2.47E-08	1.58E-06	8.25E-06	1.16E-07	8.37E-06	8.81E-07	1.10E-08	8.92E-07
1993	437908.2	3725263.96	7.59E-06	1.42E-07	7.73E-06	1.52E-06	2.49E-08	1.55E-06	8.09E-06	1.17E-07	8.20E-06	8.64E-07	1.11E-08	8.75E-07
1994	437921.48	3725290.1	7.06E-06	1.37E-07	7.20E-06	1.42E-06	2.46E-08	1.44E-06	7.52E-06	1.16E-07	7.64E-06	8.05E-07	1.12E-08	8.16E-07
1995	437928.11	3725303.17	6.75E-06	1.33E-07	6.88E-06	1.35E-06	2.43E-08	1.38E-06	7.19E-06	1.14E-07	7.30E-06	7.71E-07	1.11E-08	7.82E-07
1996	437934.75	3725316.24	6.42E-06	1.29E-07	6.55E-06	1.29E-06	2.40E-08	1.31E-06	6.84E-06	1.13E-07	6.95E-06	7.34E-07	1.10E-08	7.45E-07
1997	437941.39	3725329.31	6.07E-06	1.25E-07	6.20E-06	1.22E-06	2.35E-08	1.24E-06	6.47E-06	1.10E-07	6.58E-06	6.96E-07	1.09E-08	7.07E-07
1998	437954.66	3725355.45	5.38E-06	1.15E-07	5.49E-06	1.08E-06	2.23E-08	1.10E-06	5.73E-06	1.05E-07	5.84E-06	6.19E-07	1.05E-08	6.29E-07

1999	437961.3	3725368.52	5.06E-06	1.11E-07	5.17E-06	1.02E-06	2.17E-08	1.04E-06	5.40E-06	1.02E-07	5.50E-06	5.84E-07	1.03E-08	5.94E-07
2000	437967.94	3725381.59	4.78E-06	1.07E-07	4.89E-06	9.63E-07	2.11E-08	9.84E-07	5.10E-06	9.96E-08	5.20E-06	5.53E-07	1.01E-08	5.63E-07
2001	437972.32	3725401.64	4.54E-06	1.04E-07	4.64E-06	9.15E-07	2.08E-08	9.35E-07	4.84E-06	9.81E-08	4.94E-06	5.26E-07	1.00E-08	5.36E-07
2002	437967.8	3725415.58	4.56E-06	1.05E-07	4.66E-06	9.19E-07	2.13E-08	9.41E-07	4.86E-06	1.00E-07	4.96E-06	5.29E-07	1.02E-08	5.39E-07
2003	437963.27	3725429.53	4.59E-06	1.07E-07	4.69E-06	9.25E-07	2.18E-08	9.47E-07	4.89E-06	1.03E-07	4.99E-06	5.32E-07	1.05E-08	5.43E-07
2004	437958.75	3725443.47	4.61E-06	1.09E-07	4.72E-06	9.30E-07	2.22E-08	9.52E-07	4.92E-06	1.05E-07	5.02E-06	5.35E-07	1.08E-08	5.46E-07
2005	437954.23	3725457.41	4.61E-06	1.10E-07	4.72E-06	9.31E-07	2.27E-08	9.54E-07	4.92E-06	1.07E-07	5.03E-06	5.37E-07	1.10E-08	5.48E-07
2006	437949.71	3725471.36	4.61E-06	1.12E-07	4.72E-06	9.30E-07	2.31E-08	9.53E-07	4.91E-06	1.09E-07	5.02E-06	5.37E-07	1.13E-08	5.48E-07
2007	437940.67	3725499.25	4.60E-06	1.15E-07	4.72E-06	9.31E-07	2.41E-08	9.55E-07	4.91E-06	1.14E-07	5.03E-06	5.38E-07	1.18E-08	5.50E-07
2008	437936.15	3725513.19	4.59E-06	1.16E-07	4.71E-06	9.29E-07	2.46E-08	9.53E-07	4.90E-06	1.16E-07	5.01E-06	5.37E-07	1.21E-08	5.49E-07
2009	437931.63	3725527.14	4.56E-06	1.18E-07	4.68E-06	9.24E-07	2.51E-08	9.49E-07	4.87E-06	1.19E-07	4.99E-06	5.35E-07	1.24E-08	5.47E-07
2010	437907.96	3725222.66	6.73E-06	1.24E-07	6.86E-06	1.35E-06	2.15E-08	1.37E-06	7.17E-06	1.01E-07	7.28E-06	7.68E-07	9.54E-09	7.77E-07
2011	437914.62	3725235.77	6.70E-06	1.25E-07	6.83E-06	1.34E-06	2.19E-08	1.37E-06	7.14E-06	1.03E-07	7.24E-06	7.64E-07	9.76E-09	7.74E-07
2012	437921.28	3725248.88	6.62E-06	1.25E-07	6.74E-06	1.33E-06	2.21E-08	1.35E-06	7.05E-06	1.04E-07	7.16E-06	7.55E-07	9.93E-09	7.65E-07
2013	437934.59	3725275.1	6.27E-06	1.22E-07	6.40E-06	1.26E-06	2.22E-08	1.28E-06	6.69E-06	1.04E-07	6.79E-06	7.17E-07	1.01E-08	7.27E-07
2014	437941.25	3725288.21	6.05E-06	1.20E-07	6.17E-06	1.21E-06	2.20E-08	1.24E-06	6.45E-06	1.04E-07	6.55E-06	6.92E-07	1.01E-08	7.03E-07
2015	437947.91	3725301.32	5.81E-06	1.17E-07	5.93E-06	1.17E-06	2.18E-08	1.19E-06	6.19E-06	1.03E-07	6.30E-06	6.66E-07	1.01E-08	6.76E-07
2016	437954.57	3725314.43	5.54E-06	1.14E-07	5.65E-06	1.11E-06	2.15E-08	1.13E-06	5.90E-06	1.01E-07	6.00E-06	6.35E-07	9.99E-09	6.45E-07
2017	437967.88	3725340.66	4.97E-06	1.07E-07	5.08E-06	1.00E-06	2.06E-08	1.02E-06	5.30E-06	9.70E-08	5.40E-06	5.73E-07	9.71E-09	5.83E-07
2018	437974.54	3725353.77	4.71E-06	1.03E-07	4.81E-06	9.47E-07	2.01E-08	9.67E-07	5.02E-06	9.48E-08	5.11E-06	5.43E-07	9.54E-09	5.53E-07
2019	437981.2	3725366.88	4.47E-06	9.95E-08	4.57E-06	9.00E-07	1.97E-08	9.20E-07	4.76E-06	9.27E-08	4.86E-06	5.17E-07	9.39E-09	5.26E-07
2020	437987.86	3725379.99	4.24E-06	9.60E-08	4.33E-06	8.54E-07	1.92E-08	8.73E-07	4.52E-06	9.05E-08	4.61E-06	4.91E-07	9.21E-09	5.00E-07
2021	437992.25	3725400.09	4.03E-06	9.34E-08	4.12E-06	8.13E-07	1.89E-08	8.32E-07	4.30E-06	8.92E-08	4.39E-06	4.68E-07	9.13E-09	4.77E-07
2022	437987.71	3725414.08	4.07E-06	9.52E-08	4.16E-06	8.21E-07	1.94E-08	8.41E-07	4.34E-06	9.13E-08	4.43E-06	4.73E-07	9.37E-09	4.82E-07
2023	437983.18	3725428.07	4.09E-06	9.66E-08	4.19E-06	8.26E-07	1.98E-08	8.45E-07	4.36E-06	9.32E-08	4.46E-06	4.76E-07	9.58E-09	4.85E-07
2024	437978.64	3725442.06	4.10E-06	9.80E-08	4.20E-06	8.29E-07	2.01E-08	8.49E-07	4.38E-06	9.50E-08	4.47E-06	4.78E-07	9.79E-09	4.88E-07
2025	437974.11	3725456.05	4.10E-06	9.89E-08	4.20E-06	8.28E-07	2.05E-08	8.49E-07	4.38E-06	9.65E-08	4.47E-06	4.78E-07	9.97E-09	4.88E-07
2026	437969.57	3725470.03	4.09E-06	9.98E-08	4.19E-06	8.27E-07	2.08E-08	8.47E-07	4.36E-06	9.79E-08	4.46E-06	4.77E-07	1.01E-08	4.87E-07
2027	437965.04	3725484.02	4.09E-06	1.01E-07	4.19E-06	8.26E-07	2.11E-08	8.47E-07	4.36E-06	9.96E-08	4.46E-06	4.77E-07	1.03E-08	4.88E-07
2028	437955.97	3725512	4.07E-06	1.03E-07	4.18E-06	8.24E-07	2.19E-08	8.46E-07	4.35E-06	1.03E-07	4.45E-06	4.77E-07	1.08E-08	4.88E-07
2029	437951.44	3725525.99	4.07E-06	1.05E-07	4.17E-06	8.24E-07	2.23E-08	8.46E-07	4.34E-06	1.05E-07	4.45E-06	4.77E-07	1.10E-08	4.88E-07
2030	437946.9	3725539.97	4.05E-06	1.06E-07	4.16E-06	8.21E-07	2.28E-08	8.44E-07	4.33E-06	1.08E-07	4.43E-06	4.76E-07	1.13E-08	4.87E-07
2031	437927.67	3725220.64	5.82E-06	1.09E-07	5.93E-06	1.17E-06	1.94E-08	1.19E-06	6.20E-06	9.11E-08	6.29E-06	6.65E-07	8.72E-09	6.74E-07
2032	437934.35	3725233.79	5.78E-06	1.10E-07	5.89E-06	1.16E-06	1.97E-08	1.18E-06	6.16E-06	9.25E-08	6.25E-06	6.60E-07	8.89E-09	6.69E-07
2033	437947.7	3725260.08	5.57E-06	1.09E-07	5.67E-06	1.12E-06	2.00E-08	1.14E-06	5.93E-06	9.38E-08	6.03E-06	6.37E-07	9.12E-09	6.46E-07
2034	437954.37	3725273.23	5.41E-06	1.08E-07	5.52E-06	1.09E-06	1.99E-08	1.11E-06	5.77E-06	9.38E-08	5.86E-06	6.20E-07	9.17E-09	6.29E-07
2035	437961.05	3725286.37	5.23E-06	1.06E-07	5.34E-06	1.05E-06	1.98E-08	1.07E-06	5.58E-06	9.33E-08	5.67E-06	6.00E-07	9.18E-09	6.10E-07
2036	437967.72	3725299.52	5.03E-06	1.04E-07	5.14E-06	1.01E-06	1.97E-08	1.03E-06	5.37E-06	9.25E-08	5.46E-06	5.78E-07	9.15E-09	5.87E-07
2037	437981.08	3725325.81	4.58E-06	9.83E-08	4.68E-06	9.22E-07	1.90E-08	9.41E-07	4.89E-06	8.96E-08	4.98E-06	5.28E-07	8.97E-09	5.37E-07
2038	437987.75	3725338.96	4.37E-06	9.54E-08	4.46E-06	8.79E-07	1.87E-08	8.98E-07	4.66E-06	8.79E-08	4.74E-06	5.04E-07	8.86E-09	5.13E-07
2039	437994.43	3725352.1	4.15E-06	9.24E-08	4.25E-06	8.37E-07	1.83E-08	8.55E-07	4.43E-06	8.61E-08	4.52E-06	4.81E-07	8.72E-09	4.89E-07
2040	438001.1	3725365.25	3.95E-06	8.94E-08	4.04E-06	7.96E-07	1.79E-08	8.14E-07	4.21E-06	8.42E-08	4.30E-06	4.58E-07	8.57E-09	4.66E-07
2041	438007.78	3725378.39	3.75E-06	8.63E-08	3.84E-06	7.56E-07	1.74E-08	7.74E-07	4.00E-06	8.21E-08	4.08E-06	4.35E-07	8.40E-09	4.44E-07
2042	438012.18	3725398.55	3.59E-06	8.42E-08	3.67E-06	7.24E-07	1.72E-08	7.41E-07	3.83E-06	8.11E-08	3.91E-06	4.17E-07	8.33E-09	4.26E-07
2043	438007.63	3725412.58	3.63E-06	8.60E-08	3.72E-06	7.33E-07	1.76E-08	7.51E-07	3.87E-06	8.31E-08	3.96E-06	4.23E-07	8.56E-09	4.31E-07
2044	438003.09	3725426.6	3.65E-06	8.72E-08	3.74E-06	7.37E-07	1.80E-08	7.55E-07	3.89E-06	8.47E-08	3.98E-06	4.25E-07	8.74E-09	4.34E-07
2045	437998.54	3725440.63	3.66E-06	8.82E-08	3.75E-06	7.39E-07	1.83E-08	7.57E-07	3.90E-06	8.61E-08	3.99E-06	4.27E-07	8.90E-09	4.36E-07
2046	437993.99	3725454.65	3.66E-06	8.91E-08	3.75E-06	7.40E-07	1.85E-08	7.58E-07	3.91E-06	8.74E-08	3.99E-06	4.27E-07	9.06E-09	4.36E-07
2047	437989.45	3725468.68	3.65E-06	8.98E-08	3.74E-06	7.39E-07	1.88E-08	7.57E-07	3.90E-06	8.86E-08	3.99E-06	4.27E-07	9.19E-09	4.36E-07
2048	437984.9	3725482.7	3.65E-06	9.06E-08	3.74E-06	7.38E-07	1.90E-08	7.57E-07	3.89E-06	8.98E-08	3.98E-06	4.27E-07	9.34E-09	4.36E-07
2049	437980.35	3725496.73	3.64E-06	9.15E-08	3.73E-06	7.37E-07	1.93E-08	7.56E-07	3.89E-06	9.12E-08	3.98E-06	4.27E-07	9.50E-09	4.36E-07
2050	437971.26	3725524.78	3.64E-06	9.35E-08	3.73E-06	7.36E-07	2.00E-08	7.56E-07	3.88E-06	9.42E-08	3.98E-06	4.27E-07	9.87E-09	4.37E-07
2051	437966.71	3725538.8	3.63E-06	9.45E-08	3.72E-06	7.35E-07	2.03E-08	7.55E-07	3.87E-06	9.59E-08	3.97E-06	4.26E-07	1.01E-08	4.37E-07
2052	437962.17	3725552.83	3.61E-06	9.56E-08	3.71E-06	7.33E-07	2.07E-08	7.53E-07	3.86E-06	9.76E-08	3.96E-06	4.25E-07	1.03E-08	4.36E-07
2053	437912.05	3725196.12	5.89E-06	1.08E-07	6.00E-06	1.18E-06	1.89E-08	1.20E-06	6.28E-06	8.85E-08	6.37E-06	6.74E-07	8.39E-09	6.82E-07
2054	437959.85	3725243.19	4.96E-06	9.78E-08	5.06E-06	9.96E-07	1.80E-08	1.01E-06	5.28E-06	8.45E-08	5.37E-06	5.69E-07	8.24E-09	5.77E-07
2055	437972.81	3725268.72	4.74E-06	9.63E-08	4.83E-06	9.52E-07	1.80E-08	9.70E-07	5.05E-06	8.49E-08	5.14E-06	5.44E-07	8.36E-09	5.53E-07
2056	437979.3	3725281.48	4.60E-06	9.50E-08	4.69E-06	9.25E-07	1.80E-08	9.43E-07	4.90E-06	8.46E-08	4.99E-06	5.29E-07	8.38E-09	5.37E-07
2057	437992.26	3725307.01	4.28E-06	9.13E-08	4.37E-06	8.61E-07	1.77E-08	8.78E-07	4.56E-06	8.31E-08	4.64E-06	4.93E-07	8.32E-09	5.02E-07
2058	437998.74	3725319.77	4.11E-06	8.92E-08	4.20E-06	8.27E-07	1.74E-08	8.45E-07	4.38E-06	8.21E-08	4.46E-06	4.75E-07	8.25E-09	4.83E-07
2059	438005.22	3725332.54	3.94E-06	8.70E-08	4.03E-06	7.94E-07	1.72E-08	8.11E-07	4.20E-06	8.08E-08	4.28E-06	4.56E-07	8.17E-09	4.64E-07
2060	438011.71	3725345.3	3.76E-06	8.45E-08	3.85E-06	7.59E-07	1.68E-08	7.76E-07	4.01E-06	7.93E-08	4.09E-06	4.36E-07	8.05E-09	4.44E-07
2061	438018.19	3725358.07	3.60E-06	8.20E-08	3.68E-06	7.25E-07	1.65E-08	7.42E-07	3.83E-06	7.77E-08	3.91E-06	4.17E-07	7.93E-09	4.25E-07
2062	438024.67	3725370.83	3.43E-06	7.95E-08	3.51E-06	6.92E-07	1.61E-08	7.09E-07	3.66E-06	7.60E-08	3.74E-06	3.99E-07	7.79E-09	4.07E-07
2063	438031.15	3725383.59	3.27E-06	7.69E-08	3.35E-06	6.61E-07	1.57E-08	6.77E-07	3.49E-06	7.42E-08	3.57E-06	3.81E-07	7.63E-09	3.89E-07
2064	438032.19	3725396.79	3.21E-06	7.62E-08	3.28E-06	6.48E-07	1.57E-08	6.63E-07	3.42E-06	7.40E-08	3.49E-06	3.74E-07	7.63E-09	3.81E-07
2065	438027.77	3725410.4	3.23E-06	7.75E-08	3.31E-06	6.53E-07	1.60E-08	6.69E-07	3.45E-06	7.55E-08	3.52E-06	3.77E-07	7.79E-09	3.85E-07
2066	438023.36	3725424.02	3.26E-06	7.86E-08	3.34E-06	6.58E-07	1.63E-08	6.75E-07	3.48E-06	7.69E-08	3.55E-06	3.80E-07	7.96E-09	3.88E-07
2067	438018.94	3725437.64	3.27E-06	7.97E-08	3.35E-06	6.62E-07	1.66E-08	6.78E-07	3.49E-06	7.82E-08	3.57E-06	3.82E-07	8.11E-09	3.90E-07
2068	438014.53	3725451.26	3.28E-06	8.05E-08	3.36E-06	6.63E-07	1.68E-08	6.80E-07	3.50E-06	7.94E-08	3.58E-06	3.84E-07	8.24E-09	3.92E-07
2069	438010.11	3725464.88	3.28E-06	8.12E-08	3.36E-06	6.64E-07	1.70E-08	6.81E-07	3.50E-06	8.04E-08	3.58E-06	3.84E-07	8.36E-09	3.92E-07
2070	438005.7	3725478.49	3.28E-06	8.18E-08	3.36E-06	6.63E-07	1.72E-08	6.80E-07	3.50E-06	8.13E-08	3.58E-06	3.84E-07	8.47E-09	3.92E-07
2071	438001.28	3725492.11	3.28E-06	8.25E-08	3.36E-06	6.63E-07	1.75E-08	6.81E-07	3.50E-06	8.24E-08	3.58E-06	3.84E-07	8.60E-09	3.93E-07
2072	437996.87	3725505.73	3.27E-06	8.31E-08	3.35E-06	6.62E-07	1.77E-08	6.80E-07	3.49E-06	8.34E-08	3.57E-06	3.84E-07	8.72E-09	3.92E-07
2073	437988.04	3725532.97	3.26E-06	8.46E-08	3.35E-06	6.61E-07	1.82E-08	6.79E-07	3.48E-06	8.57E-08	3.57E-06	3.83E-07	9.00E-09	3.92E-07
2074	437983.62	3725546.58	3.26E-06	8.55E-08	3.34E-06	6.61E-07	1.85E-08	6.79E-07	3.48E-06	8.71E-08	3.57E-06	3.84E-07	9.17E-09	3.93E-07
2075	437979.21	3725560.2	3.25E-06	8.65E-08	3.34E-06	6.60E-07	1.88E-08	6.79E-07	3.47E-06	8.86E-08	3.56E-06	3.84E-07	9.34E-09	3.93E-07

2076	437974.79	3725573.82	3.25E-06	8.74E-08	3.33E-06	6.59E-07	1.91E-08	6.78E-07	3.47E-06	9.02E-08	3.56E-06	3.83E-07	9.54E-09	3.93E-07
2077	437965.96	3725601.06	3.21E-06	8.92E-08	3.30E-06	6.51E-07	1.97E-08	6.71E-07	3.42E-06	9.33E-08	3.52E-06	3.80E-07	9.92E-09	3.90E-07
2078	438005.63	3725272.1	3.86E-06	8.16E-08	3.94E-06	7.78E-07	1.57E-08	7.93E-07	4.12E-06	7.39E-08	4.19E-06	4.46E-07	7.37E-09	4.53E-07
2079	438012.15	3725284.93	3.75E-06	8.04E-08	3.83E-06	7.55E-07	1.56E-08	7.71E-07	4.00E-06	7.35E-08	4.07E-06	4.33E-07	7.37E-09	4.41E-07
2080	438018.67	3725297.77	3.63E-06	7.90E-08	3.71E-06	7.31E-07	1.55E-08	7.47E-07	3.87E-06	7.29E-08	3.94E-06	4.20E-07	7.35E-09	4.27E-07
2081	438025.19	3725310.61	3.50E-06	7.75E-08	3.58E-06	7.07E-07	1.53E-08	7.22E-07	3.74E-06	7.22E-08	3.81E-06	4.06E-07	7.30E-09	4.13E-07
2082	438031.71	3725323.45	3.38E-06	7.58E-08	3.45E-06	6.81E-07	1.51E-08	6.96E-07	3.60E-06	7.13E-08	3.67E-06	3.92E-07	7.24E-09	3.99E-07
2083	438038.23	3725336.28	3.25E-06	7.40E-08	3.32E-06	6.55E-07	1.49E-08	6.70E-07	3.46E-06	7.02E-08	3.54E-06	3.77E-07	7.16E-09	3.85E-07
2084	438044.74	3725349.12	3.12E-06	7.21E-08	3.19E-06	6.30E-07	1.46E-08	6.45E-07	3.33E-06	6.90E-08	3.40E-06	3.63E-07	7.07E-09	3.70E-07
2085	438051.26	3725361.96	2.99E-06	7.02E-08	3.06E-06	6.04E-07	1.43E-08	6.18E-07	3.19E-06	6.77E-08	3.26E-06	3.49E-07	6.96E-09	3.56E-07
2086	438057.78	3725374.8	2.86E-06	6.80E-08	2.93E-06	5.78E-07	1.40E-08	5.92E-07	3.05E-06	6.61E-08	3.12E-06	3.34E-07	6.82E-09	3.40E-07
2087	438062.08	3725394.48	2.74E-06	6.64E-08	2.81E-06	5.55E-07	1.38E-08	5.69E-07	2.93E-06	6.51E-08	2.99E-06	3.21E-07	6.74E-09	3.27E-07
2088	438057.64	3725408.18	2.76E-06	6.73E-08	2.83E-06	5.59E-07	1.40E-08	5.73E-07	2.95E-06	6.63E-08	3.02E-06	3.23E-07	6.87E-09	3.30E-07
2089	438053.2	3725421.87	2.78E-06	6.82E-08	2.85E-06	5.62E-07	1.43E-08	5.77E-07	2.97E-06	6.73E-08	3.03E-06	3.25E-07	6.99E-09	3.32E-07
2090	438048.76	3725435.57	2.79E-06	6.90E-08	2.86E-06	5.65E-07	1.45E-08	5.80E-07	2.98E-06	6.84E-08	3.05E-06	3.27E-07	7.11E-09	3.34E-07
2091	438044.32	3725449.26	2.81E-06	6.98E-08	2.88E-06	5.68E-07	1.47E-08	5.83E-07	3.00E-06	6.94E-08	3.07E-06	3.29E-07	7.23E-09	3.36E-07
2092	438039.88	3725462.96	2.82E-06	7.06E-08	2.89E-06	5.71E-07	1.49E-08	5.86E-07	3.01E-06	7.04E-08	3.08E-06	3.31E-07	7.35E-09	3.38E-07
2093	438035.44	3725476.66	2.83E-06	7.13E-08	2.90E-06	5.72E-07	1.51E-08	5.87E-07	3.02E-06	7.13E-08	3.09E-06	3.32E-07	7.45E-09	3.39E-07
2094	438031	3725490.35	2.82E-06	7.17E-08	2.89E-06	5.72E-07	1.53E-08	5.87E-07	3.01E-06	7.20E-08	3.08E-06	3.31E-07	7.53E-09	3.39E-07
2095	438026.56	3725504.05	2.82E-06	7.21E-08	2.89E-06	5.71E-07	1.54E-08	5.86E-07	3.01E-06	7.27E-08	3.08E-06	3.31E-07	7.61E-09	3.39E-07
2096	438022.12	3725517.74	2.82E-06	7.26E-08	2.89E-06	5.71E-07	1.56E-08	5.86E-07	3.01E-06	7.35E-08	3.08E-06	3.31E-07	7.71E-09	3.39E-07
2097	438008.8	3725558.83	2.81E-06	7.44E-08	2.88E-06	5.70E-07	1.61E-08	5.86E-07	3.00E-06	7.62E-08	3.07E-06	3.31E-07	8.04E-09	3.39E-07
2098	438004.36	3725572.53	2.81E-06	7.53E-08	2.89E-06	5.70E-07	1.64E-08	5.87E-07	3.00E-06	7.75E-08	3.08E-06	3.32E-07	8.19E-09	3.40E-07
2099	437999.92	3725586.22	2.81E-06	7.63E-08	2.89E-06	5.71E-07	1.67E-08	5.88E-07	3.00E-06	7.89E-08	3.08E-06	3.33E-07	8.36E-09	3.41E-07
2100	438031.98	3725262.75	3.29E-06	7.08E-08	3.36E-06	6.63E-07	1.38E-08	6.77E-07	3.51E-06	6.51E-08	3.57E-06	3.81E-07	6.55E-09	3.87E-07
2101	438045.08	3725288.55	3.11E-06	6.89E-08	3.18E-06	6.27E-07	1.37E-08	6.41E-07	3.32E-06	6.44E-08	3.38E-06	3.61E-07	6.53E-09	3.67E-07
2102	438051.63	3725301.45	3.01E-06	6.76E-08	3.07E-06	6.07E-07	1.35E-08	6.20E-07	3.21E-06	6.37E-08	3.27E-06	3.49E-07	6.49E-09	3.56E-07
2103	438058.18	3725314.35	2.90E-06	6.62E-08	2.97E-06	5.86E-07	1.34E-08	5.99E-07	3.10E-06	6.29E-08	3.16E-06	3.38E-07	6.43E-09	3.44E-07
2104	438064.73	3725327.25	2.80E-06	6.47E-08	2.86E-06	5.65E-07	1.32E-08	5.78E-07	2.99E-06	6.20E-08	3.05E-06	3.26E-07	6.36E-09	3.32E-07
2105	438071.28	3725340.14	2.70E-06	6.34E-08	2.77E-06	5.46E-07	1.30E-08	5.59E-07	2.89E-06	6.12E-08	2.95E-06	3.15E-07	6.30E-09	3.22E-07
2106	438077.83	3725353.04	2.61E-06	6.20E-08	2.67E-06	5.28E-07	1.28E-08	5.40E-07	2.78E-06	6.03E-08	2.84E-06	3.05E-07	6.22E-09	3.11E-07
2107	438084.38	3725365.94	2.50E-06	6.03E-08	2.57E-06	5.07E-07	1.25E-08	5.19E-07	2.67E-06	5.90E-08	2.73E-06	2.93E-07	6.11E-09	2.99E-07
2108	438090.93	3725378.84	2.40E-06	5.86E-08	2.46E-06	4.87E-07	1.22E-08	4.99E-07	2.57E-06	5.77E-08	2.62E-06	2.82E-07	5.99E-09	2.88E-07
2109	438091.98	3725392.17	2.37E-06	5.82E-08	2.43E-06	4.79E-07	1.22E-08	4.92E-07	2.53E-06	5.77E-08	2.59E-06	2.78E-07	6.00E-09	2.84E-07
2110	438087.52	3725405.93	2.39E-06	5.91E-08	2.45E-06	4.84E-07	1.24E-08	4.96E-07	2.55E-06	5.87E-08	2.61E-06	2.80E-07	6.11E-09	2.86E-07
2111	438083.06	3725419.69	2.41E-06	5.99E-08	2.47E-06	4.87E-07	1.26E-08	5.00E-07	2.57E-06	5.96E-08	2.63E-06	2.82E-07	6.22E-09	2.89E-07
2112	438078.6	3725433.45	2.42E-06	6.05E-08	2.48E-06	4.89E-07	1.28E-08	5.02E-07	2.58E-06	6.04E-08	2.64E-06	2.84E-07	6.31E-09	2.90E-07
2113	438074.13	3725447.22	2.42E-06	6.11E-08	2.48E-06	4.91E-07	1.30E-08	5.04E-07	2.59E-06	6.12E-08	2.65E-06	2.85E-07	6.39E-09	2.91E-07
2114	438069.67	3725460.98	2.44E-06	6.17E-08	2.50E-06	4.94E-07	1.31E-08	5.07E-07	2.60E-06	6.20E-08	2.66E-06	2.86E-07	6.49E-09	2.93E-07
2115	438065.21	3725474.74	2.45E-06	6.24E-08	2.51E-06	4.96E-07	1.33E-08	5.09E-07	2.61E-06	6.28E-08	2.68E-06	2.88E-07	6.58E-09	2.94E-07
2116	438060.75	3725488.5	2.45E-06	6.29E-08	2.52E-06	4.97E-07	1.35E-08	5.11E-07	2.62E-06	6.35E-08	2.68E-06	2.89E-07	6.66E-09	2.95E-07
2117	438056.29	3725502.26	2.45E-06	6.33E-08	2.52E-06	4.97E-07	1.36E-08	5.11E-07	2.62E-06	6.41E-08	2.68E-06	2.89E-07	6.73E-09	2.96E-07
2118	438051.83	3725516.02	2.45E-06	6.37E-08	2.52E-06	4.98E-07	1.37E-08	5.11E-07	2.62E-06	6.47E-08	2.69E-06	2.89E-07	6.81E-09	2.96E-07
2119	438047.37	3725529.78	2.45E-06	6.41E-08	2.52E-06	4.98E-07	1.38E-08	5.12E-07	2.62E-06	6.54E-08	2.69E-06	2.89E-07	6.88E-09	2.96E-07
2120	438042.9	3725543.55	2.46E-06	6.46E-08	2.52E-06	4.98E-07	1.40E-08	5.12E-07	2.62E-06	6.61E-08	2.69E-06	2.90E-07	6.96E-09	2.97E-07
2121	438029.52	3725584.83	2.46E-06	6.65E-08	2.53E-06	5.00E-07	1.46E-08	5.15E-07	2.63E-06	6.87E-08	2.70E-06	2.91E-07	7.28E-09	2.99E-07
2122	438025.06	3725598.59	2.47E-06	6.72E-08	2.53E-06	5.01E-07	1.48E-08	5.16E-07	2.63E-06	6.98E-08	2.70E-06	2.92E-07	7.40E-09	2.99E-07
2123	438020.6	3725612.35	2.46E-06	6.79E-08	2.53E-06	5.00E-07	1.50E-08	5.15E-07	2.63E-06	7.08E-08	2.70E-06	2.92E-07	7.53E-09	3.00E-07
2124	438011.67	3725639.88	2.44E-06	6.90E-08	2.51E-06	4.96E-07	1.54E-08	5.12E-07	2.61E-06	7.28E-08	2.68E-06	2.90E-07	7.77E-09	2.98E-07
2125	438078.08	3725292.29	2.60E-06	5.94E-08	2.66E-06	5.26E-07	1.20E-08	5.38E-07	2.78E-06	5.66E-08	2.83E-06	3.03E-07	5.79E-09	3.09E-07
2126	438084.66	3725305.24	2.52E-06	5.85E-08	2.58E-06	5.10E-07	1.19E-08	5.22E-07	2.69E-06	5.61E-08	2.75E-06	2.95E-07	5.76E-09	3.00E-07
2127	438091.23	3725318.19	2.45E-06	5.74E-08	2.50E-06	4.94E-07	1.18E-08	5.06E-07	2.61E-06	5.54E-08	2.67E-06	2.86E-07	5.71E-09	2.91E-07
2128	438097.81	3725331.14	2.37E-06	5.62E-08	2.42E-06	4.79E-07	1.16E-08	4.90E-07	2.53E-06	5.47E-08	2.58E-06	2.77E-07	5.65E-09	2.82E-07
2129	438104.39	3725344.09	2.28E-06	5.49E-08	2.34E-06	4.62E-07	1.14E-08	4.73E-07	2.44E-06	5.38E-08	2.49E-06	2.67E-07	5.57E-09	2.73E-07
2130	438110.96	3725357.04	2.20E-06	5.36E-08	2.25E-06	4.45E-07	1.12E-08	4.57E-07	2.35E-06	5.28E-08	2.40E-06	2.58E-07	5.48E-09	2.63E-07
2131	438117.54	3725369.99	2.12E-06	5.22E-08	2.17E-06	4.29E-07	1.10E-08	4.40E-07	2.26E-06	5.18E-08	2.31E-06	2.49E-07	5.39E-09	2.54E-07
2132	438121.88	3725389.85	2.05E-06	5.13E-08	2.11E-06	4.16E-07	1.09E-08	4.27E-07	2.19E-06	5.12E-08	2.24E-06	2.42E-07	5.35E-09	2.47E-07
2133	438117.4	3725403.67	2.08E-06	5.21E-08	2.13E-06	4.21E-07	1.11E-08	4.32E-07	2.22E-06	5.22E-08	2.27E-06	2.44E-07	5.46E-09	2.50E-07
2134	438112.92	3725417.49	2.10E-06	5.29E-08	2.15E-06	4.25E-07	1.13E-08	4.36E-07	2.24E-06	5.31E-08	2.29E-06	2.47E-07	5.55E-09	2.52E-07
2135	438108.44	3725431.31	2.11E-06	5.34E-08	2.16E-06	4.27E-07	1.14E-08	4.39E-07	2.25E-06	5.38E-08	2.30E-06	2.48E-07	5.63E-09	2.54E-07
2136	438103.96	3725445.12	2.11E-06	5.39E-08	2.17E-06	4.29E-07	1.15E-08	4.40E-07	2.26E-06	5.44E-08	2.31E-06	2.49E-07	5.70E-09	2.55E-07
2137	438099.48	3725458.94	2.13E-06	5.46E-08	2.18E-06	4.32E-07	1.17E-08	4.44E-07	2.27E-06	5.52E-08	2.33E-06	2.51E-07	5.79E-09	2.57E-07
2138	438095	3725472.76	2.14E-06	5.52E-08	2.20E-06	4.35E-07	1.19E-08	4.47E-07	2.29E-06	5.60E-08	2.35E-06	2.53E-07	5.88E-09	2.59E-07
2139	438090.52	3725486.58	2.16E-06	5.58E-08	2.21E-06	4.37E-07	1.20E-08	4.49E-07	2.30E-06	5.67E-08	2.36E-06	2.54E-07	5.95E-09	2.60E-07
2140	438086.04	3725500.39	2.16E-06	5.62E-08	2.22E-06	4.39E-07	1.21E-08	4.51E-07	2.31E-06	5.73E-08	2.37E-06	2.55E-07	6.02E-09	2.61E-07
2141	438081.56	3725514.21	2.16E-06	5.66E-08	2.22E-06	4.39E-07	1.22E-08	4.51E-07	2.31E-06	5.77E-08	2.37E-06	2.55E-07	6.08E-09	2.62E-07
2142	438077.08	3725528.03	2.16E-06	5.68E-08	2.22E-06	4.39E-07	1.23E-08	4.51E-07	2.31E-06	5.81E-08	2.37E-06	2.55E-07	6.13E-09	2.61E-07
2143	438072.6	3725541.85	2.16E-06	5.71E-08	2.22E-06	4.38E-07	1.24E-08	4.51E-07	2.31E-06	5.85E-08	2.36E-06	2.55E-07	6.18E-09	2.61E-07
2144	438068.12	3725555.66	2.16E-06	5.74E-08	2.22E-06	4.38E-07	1.25E-08	4.51E-07	2.31E-06	5.90E-08	2.36E-06	2.55E-07	6.23E-09	2.61E-07
2145	438054.69	3725597.11	2.18E-06	5.91E-08	2.24E-06	4.42E-07	1.30E-08	4.55E-07	2.33E-06	6.14E-08	2.39E-06	2.58E-07	6.51E-09	2.65E-07
2146	438050.21	3725610.93	2.18E-06	5.97E-08	2.24E-06	4.43E-07	1.32E-08	4.56E-07	2.33E-06	6.22E-08	2.39E-06	2.58E-07	6.60E-09	2.65E-07
2147	438045.73	3725624.75	2.17E-06	6.02E-08	2.24E-06	4.42E-07	1.33E-08	4.56E-07	2.32E-06	6.30E-08	2.39E-06	2.58E-07	6.70E-09	2.65E-07
2148	438041.25	3725638.57	2.17E-06	6.06E-08	2.23E-06	4.41E-07	1.35E-08	4.54E-07	2.31E-06	6.37E-08	2.38E-06	2.58E-07	6.79E-09	2.64E-07
2149	438104.53	3725283.13	2.27E-06	5.27E-08	2.33E-06	4.60E-07	1.08E-08	4.71E-07	2.43E-06	5.07E-08	2.48E-06	2.66E-07	5.21E-09	2.71E-07
2150	438111.13	3725296.13	2.22E-06	5.20E-08	2.27E-06	4.48E-07	1.07E-08	4.59E-07	2.37E-06	5.04E-08	2.42E-06	2.59E-07	5.19E-09	2.64E-07
2151	438117.73	3725309.12	2.15E-06	5.10E-08	2.20E-06	4.35E-07	1.05E-08	4.45E-07	2.29E-06	4.97E-08	2.34E-06	2.51E-07	5.14E-09	2.57E-07
2152	438124.33	3725322.12	2.08E-06	5.00E-08	2.13E-06	4.21E-07	1.04E-08	4.31E-07	2.22E-06	4.91E-08	2.27E-06	2.44E-07	5.08E-09	2.49E-07

2153	438130.93	3725335.12	2.01E-06	4.89E-08	2.06E-06	4.07E-07	1.02E-08	4.18E-07	2.15E-06	4.83E-08	2.20E-06	2.36E-07	5.01E-09	2.41E-07
2154	438137.53	3725348.11	1.94E-06	4.78E-08	1.99E-06	3.94E-07	1.01E-08	4.04E-07	2.07E-06	4.75E-08	2.12E-06	2.28E-07	4.94E-09	2.33E-07
2155	438144.13	3725361.11	1.88E-06	4.67E-08	1.92E-06	3.81E-07	9.88E-09	3.90E-07	2.01E-06	4.66E-08	2.05E-06	2.21E-07	4.86E-09	2.26E-07
2156	438150.73	3725374.1	1.81E-06	4.56E-08	1.86E-06	3.68E-07	9.68E-09	3.77E-07	1.94E-06	4.57E-08	1.98E-06	2.13E-07	4.78E-09	2.18E-07
2157	438151.78	3725387.54	1.79E-06	4.54E-08	1.84E-06	3.64E-07	9.68E-09	3.73E-07	1.91E-06	4.57E-08	1.96E-06	2.11E-07	4.78E-09	2.16E-07
2158	438147.28	3725401.4	1.82E-06	4.62E-08	1.86E-06	3.68E-07	9.87E-09	3.78E-07	1.94E-06	4.66E-08	1.99E-06	2.14E-07	4.88E-09	2.19E-07
2159	438142.79	3725415.27	1.84E-06	4.69E-08	1.88E-06	3.73E-07	1.01E-08	3.83E-07	1.96E-06	4.75E-08	2.01E-06	2.17E-07	4.98E-09	2.22E-07
2160	438138.29	3725429.13	1.85E-06	4.76E-08	1.90E-06	3.76E-07	1.02E-08	3.86E-07	1.98E-06	4.82E-08	2.03E-06	2.19E-07	5.06E-09	2.24E-07
2161	438133.8	3725443	1.87E-06	4.81E-08	1.92E-06	3.79E-07	1.04E-08	3.89E-07	1.99E-06	4.89E-08	2.04E-06	2.20E-07	5.14E-09	2.26E-07
2162	438129.3	3725456.86	1.88E-06	4.86E-08	1.93E-06	3.81E-07	1.05E-08	3.92E-07	2.01E-06	4.95E-08	2.06E-06	2.22E-07	5.20E-09	2.27E-07
2163	438124.81	3725470.73	1.89E-06	4.91E-08	1.94E-06	3.83E-07	1.06E-08	3.94E-07	2.02E-06	5.00E-08	2.07E-06	2.23E-07	5.27E-09	2.28E-07
2164	438120.31	3725484.59	1.90E-06	4.96E-08	1.95E-06	3.86E-07	1.07E-08	3.96E-07	2.03E-06	5.07E-08	2.08E-06	2.24E-07	5.34E-09	2.30E-07
2165	438115.82	3725498.46	1.91E-06	5.01E-08	1.96E-06	3.88E-07	1.09E-08	3.99E-07	2.04E-06	5.13E-08	2.09E-06	2.26E-07	5.41E-09	2.31E-07
2166	438111.32	3725512.33	1.92E-06	5.06E-08	1.97E-06	3.90E-07	1.10E-08	4.01E-07	2.05E-06	5.19E-08	2.10E-06	2.27E-07	5.47E-09	2.33E-07
2167	438106.83	3725526.19	1.93E-06	5.10E-08	1.98E-06	3.91E-07	1.11E-08	4.02E-07	2.06E-06	5.23E-08	2.11E-06	2.28E-07	5.53E-09	2.33E-07
2168	438102.33	3725540.06	1.93E-06	5.12E-08	1.98E-06	3.92E-07	1.12E-08	4.03E-07	2.06E-06	5.27E-08	2.11E-06	2.28E-07	5.57E-09	2.34E-07
2169	438097.84	3725553.92	1.93E-06	5.15E-08	1.98E-06	3.92E-07	1.12E-08	4.03E-07	2.06E-06	5.31E-08	2.11E-06	2.28E-07	5.62E-09	2.34E-07
2170	438093.34	3725567.79	1.93E-06	5.18E-08	1.98E-06	3.92E-07	1.13E-08	4.03E-07	2.06E-06	5.35E-08	2.11E-06	2.29E-07	5.66E-09	2.34E-07
2171	438088.85	3725581.65	1.93E-06	5.22E-08	1.99E-06	3.93E-07	1.14E-08	4.04E-07	2.06E-06	5.40E-08	2.12E-06	2.29E-07	5.73E-09	2.35E-07
2172	438075.36	3725623.25	1.94E-06	5.35E-08	2.00E-06	3.95E-07	1.18E-08	4.07E-07	2.08E-06	5.59E-08	2.13E-06	2.31E-07	5.95E-09	2.37E-07
2173	438070.87	3725637.12	1.94E-06	5.39E-08	1.99E-06	3.95E-07	1.20E-08	4.07E-07	2.07E-06	5.65E-08	2.13E-06	2.31E-07	6.02E-09	2.37E-07
2174	438066.37	3725650.98	1.93E-06	5.42E-08	1.99E-06	3.93E-07	1.21E-08	4.05E-07	2.06E-06	5.70E-08	2.12E-06	2.30E-07	6.08E-09	2.36E-07
2175	438057.38	3725678.71	1.91E-06	5.48E-08	1.97E-06	3.90E-07	1.23E-08	4.02E-07	2.05E-06	5.82E-08	2.10E-06	2.28E-07	6.23E-09	2.35E-07
2176	438137.6	3725287.01	1.94E-06	4.62E-08	1.99E-06	3.94E-07	9.57E-09	4.03E-07	2.08E-06	4.52E-08	2.12E-06	2.28E-07	4.67E-09	2.33E-07
2177	438144.22	3725300.04	1.89E-06	4.55E-08	1.93E-06	3.83E-07	9.47E-09	3.92E-07	2.02E-06	4.47E-08	2.06E-06	2.22E-07	4.63E-09	2.26E-07
2178	438150.84	3725313.08	1.83E-06	4.46E-08	1.88E-06	3.71E-07	9.33E-09	3.80E-07	1.95E-06	4.40E-08	2.00E-06	2.15E-07	4.57E-09	2.20E-07
2179	438157.46	3725326.12	1.77E-06	4.36E-08	1.82E-06	3.59E-07	9.18E-09	3.68E-07	1.89E-06	4.33E-08	1.94E-06	2.08E-07	4.51E-09	2.13E-07
2180	438164.08	3725339.15	1.72E-06	4.28E-08	1.76E-06	3.49E-07	9.06E-09	3.58E-07	1.84E-06	4.27E-08	1.88E-06	2.03E-07	4.46E-09	2.07E-07
2181	438170.7	3725352.19	1.67E-06	4.19E-08	1.71E-06	3.38E-07	8.91E-09	3.47E-07	1.78E-06	4.21E-08	1.82E-06	1.97E-07	4.40E-09	2.01E-07
2182	438177.32	3725365.22	1.62E-06	4.10E-08	1.66E-06	3.28E-07	8.75E-09	3.37E-07	1.73E-06	4.13E-08	1.77E-06	1.91E-07	4.33E-09	1.95E-07
2183	438181.68	3725385.21	1.58E-06	4.04E-08	1.62E-06	3.20E-07	8.69E-09	3.29E-07	1.69E-06	4.10E-08	1.73E-06	1.86E-07	4.31E-09	1.91E-07
2184	438177.17	3725399.12	1.60E-06	4.11E-08	1.64E-06	3.24E-07	8.85E-09	3.33E-07	1.71E-06	4.18E-08	1.75E-06	1.89E-07	4.39E-09	1.93E-07
2185	438172.66	3725413.03	1.62E-06	4.18E-08	1.66E-06	3.28E-07	9.00E-09	3.37E-07	1.73E-06	4.25E-08	1.77E-06	1.91E-07	4.47E-09	1.95E-07
2186	438168.15	3725426.94	1.63E-06	4.24E-08	1.68E-06	3.32E-07	9.16E-09	3.41E-07	1.75E-06	4.32E-08	1.79E-06	1.93E-07	4.55E-09	1.98E-07
2187	438163.65	3725440.84	1.65E-06	4.30E-08	1.69E-06	3.35E-07	9.30E-09	3.45E-07	1.76E-06	4.39E-08	1.81E-06	1.95E-07	4.63E-09	2.00E-07
2188	438159.14	3725454.75	1.66E-06	4.35E-08	1.71E-06	3.38E-07	9.42E-09	3.47E-07	1.78E-06	4.45E-08	1.82E-06	1.97E-07	4.69E-09	2.01E-07
2189	438154.63	3725468.66	1.67E-06	4.39E-08	1.71E-06	3.39E-07	9.52E-09	3.49E-07	1.78E-06	4.50E-08	1.83E-06	1.98E-07	4.74E-09	2.02E-07
2190	438150.12	3725482.57	1.68E-06	4.43E-08	1.73E-06	3.41E-07	9.63E-09	3.51E-07	1.80E-06	4.55E-08	1.84E-06	1.99E-07	4.80E-09	2.04E-07
2191	438145.61	3725496.48	1.69E-06	4.48E-08	1.74E-06	3.44E-07	9.74E-09	3.54E-07	1.81E-06	4.60E-08	1.85E-06	2.00E-07	4.86E-09	2.05E-07
2192	438141.1	3725510.38	1.70E-06	4.52E-08	1.75E-06	3.46E-07	9.86E-09	3.56E-07	1.82E-06	4.66E-08	1.87E-06	2.02E-07	4.92E-09	2.07E-07
2193	438136.59	3725524.29	1.72E-06	4.57E-08	1.76E-06	3.49E-07	9.98E-09	3.59E-07	1.83E-06	4.71E-08	1.88E-06	2.03E-07	4.99E-09	2.08E-07
2194	438132.08	3725538.2	1.73E-06	4.62E-08	1.77E-06	3.51E-07	1.01E-08	3.61E-07	1.85E-06	4.77E-08	1.89E-06	2.05E-07	5.05E-09	2.10E-07
2195	438127.57	3725552.11	1.73E-06	4.64E-08	1.78E-06	3.52E-07	1.02E-08	3.62E-07	1.85E-06	4.80E-08	1.90E-06	2.05E-07	5.08E-09	2.10E-07
2196	438123.07	3725566.01	1.73E-06	4.66E-08	1.78E-06	3.51E-07	1.02E-08	3.62E-07	1.85E-06	4.83E-08	1.89E-06	2.05E-07	5.11E-09	2.10E-07
2197	438118.56	3725579.92	1.74E-06	4.70E-08	1.78E-06	3.53E-07	1.03E-08	3.63E-07	1.85E-06	4.88E-08	1.90E-06	2.06E-07	5.17E-09	2.11E-07
2198	438114.05	3725593.83	1.74E-06	4.73E-08	1.79E-06	3.54E-07	1.04E-08	3.64E-07	1.86E-06	4.92E-08	1.91E-06	2.07E-07	5.22E-09	2.12E-07
2199	438109.54	3725607.74	1.74E-06	4.76E-08	1.79E-06	3.54E-07	1.05E-08	3.65E-07	1.86E-06	4.96E-08	1.91E-06	2.07E-07	5.27E-09	2.12E-07
2200	438100.52	3725635.55	1.74E-06	4.82E-08	1.79E-06	3.54E-07	1.07E-08	3.65E-07	1.86E-06	5.05E-08	1.91E-06	2.07E-07	5.37E-09	2.12E-07
2201	438096.01	3725649.46	1.74E-06	4.85E-08	1.79E-06	3.54E-07	1.08E-08	3.65E-07	1.86E-06	5.10E-08	1.91E-06	2.07E-07	5.43E-09	2.12E-07
2202	438091.5	3725663.37	1.74E-06	4.88E-08	1.78E-06	3.53E-07	1.09E-08	3.64E-07	1.85E-06	5.15E-08	1.91E-06	2.07E-07	5.49E-09	2.12E-07
2203	438087	3725677.28	1.73E-06	4.91E-08	1.78E-06	3.52E-07	1.10E-08	3.63E-07	1.85E-06	5.20E-08	1.90E-06	2.06E-07	5.55E-09	2.12E-07
2204	438082.49	3725691.18	1.72E-06	4.93E-08	1.77E-06	3.51E-07	1.11E-08	3.62E-07	1.84E-06	5.25E-08	1.89E-06	2.06E-07	5.61E-09	2.11E-07
2205	438170.7	3725290.96	1.67E-06	4.07E-08	1.71E-06	3.39E-07	8.54E-09	3.48E-07	1.79E-06	4.03E-08	1.83E-06	1.97E-07	4.19E-09	2.01E-07
2206	438177.34	3725304.03	1.63E-06	4.01E-08	1.67E-06	3.30E-07	8.44E-09	3.39E-07	1.74E-06	3.98E-08	1.78E-06	1.92E-07	4.15E-09	1.96E-07
2207	438183.97	3725317.1	1.58E-06	3.93E-08	1.62E-06	3.21E-07	8.33E-09	3.29E-07	1.69E-06	3.93E-08	1.73E-06	1.86E-07	4.11E-09	1.91E-07
2208	438190.61	3725330.17	1.54E-06	3.86E-08	1.58E-06	3.12E-07	8.21E-09	3.20E-07	1.64E-06	3.87E-08	1.68E-06	1.81E-07	4.05E-09	1.85E-07
2209	438197.25	3725343.24	1.49E-06	3.78E-08	1.53E-06	3.03E-07	8.08E-09	3.11E-07	1.59E-06	3.81E-08	1.63E-06	1.76E-07	4.00E-09	1.80E-07
2210	438203.89	3725356.31	1.45E-06	3.70E-08	1.48E-06	2.94E-07	7.94E-09	3.02E-07	1.54E-06	3.75E-08	1.58E-06	1.71E-07	3.94E-09	1.75E-07
2211	438210.52	3725369.38	1.40E-06	3.62E-08	1.44E-06	2.85E-07	7.81E-09	2.93E-07	1.50E-06	3.69E-08	1.54E-06	1.66E-07	3.88E-09	1.70E-07
2212	438211.58	3725382.89	1.39E-06	3.61E-08	1.43E-06	2.83E-07	7.81E-09	2.91E-07	1.49E-06	3.69E-08	1.52E-06	1.65E-07	3.88E-09	1.69E-07
2213	438207.06	3725396.83	1.41E-06	3.68E-08	1.45E-06	2.87E-07	7.96E-09	2.95E-07	1.51E-06	3.76E-08	1.55E-06	1.67E-07	3.96E-09	1.71E-07
2214	438202.54	3725410.78	1.43E-06	3.74E-08	1.47E-06	2.91E-07	8.11E-09	2.99E-07	1.53E-06	3.83E-08	1.57E-06	1.69E-07	4.04E-09	1.73E-07
2215	438198.02	3725424.72	1.45E-06	3.80E-08	1.49E-06	2.94E-07	8.25E-09	3.03E-07	1.55E-06	3.89E-08	1.59E-06	1.72E-07	4.11E-09	1.76E-07
2216	438193.5	3725438.67	1.47E-06	3.86E-08	1.51E-06	2.98E-07	8.39E-09	3.07E-07	1.57E-06	3.96E-08	1.61E-06	1.74E-07	4.18E-09	1.78E-07
2217	438188.98	3725452.61	1.48E-06	3.91E-08	1.52E-06	3.01E-07	8.52E-09	3.10E-07	1.58E-06	4.02E-08	1.62E-06	1.76E-07	4.25E-09	1.80E-07
2218	438184.46	3725466.56	1.49E-06	3.95E-08	1.53E-06	3.03E-07	8.61E-09	3.11E-07	1.59E-06	4.06E-08	1.63E-06	1.77E-07	4.29E-09	1.81E-07
2219	438179.94	3725480.5	1.50E-06	3.98E-08	1.54E-06	3.04E-07	8.69E-09	3.13E-07	1.60E-06	4.11E-08	1.64E-06	1.78E-07	4.34E-09	1.82E-07
2220	438175.42	3725494.45	1.51E-06	4.02E-08	1.55E-06	3.07E-07	8.79E-09	3.15E-07	1.61E-06	4.15E-08	1.65E-06	1.79E-07	4.39E-09	1.83E-07
2221	438170.9	3725508.39	1.52E-06	4.06E-08	1.56E-06	3.09E-07	8.89E-09	3.18E-07	1.62E-06	4.20E-08	1.66E-06	1.80E-07	4.44E-09	1.85E-07
2222	438166.37	3725522.34	1.53E-06	4.10E-08	1.57E-06	3.10E-07	8.98E-09	3.19E-07	1.63E-06	4.24E-08	1.67E-06	1.81E-07	4.49E-09	1.86E-07
2223	438161.85	3725536.28	1.54E-06	4.13E-08	1.58E-06	3.12E-07	9.07E-09	3.21E-07	1.64E-06	4.28E-08	1.68E-06	1.82E-07	4.54E-09	1.87E-07
2224	438157.33	3725550.23	1.55E-06	4.17E-08	1.59E-06	3.14E-07	9.17E-09	3.24E-07	1.65E-06	4.33E-08	1.70E-06	1.84E-07	4.59E-09	1.88E-07
2225	438152.81	3725564.17	1.55E-06	4.21E-08	1.60E-06	3.16E-07	9.26E-09	3.25E-07	1.66E-06	4.37E-08	1.70E-06	1.85E-07	4.64E-09	1.89E-07
2226	438148.29	3725578.12	1.56E-06	4.24E-08	1.60E-06	3.18E-07	9.35E-09	3.27E-07	1.67E-06	4.42E-08	1.71E-06	1.86E-07	4.69E-09	1.90E-07
2227	438143.77	3725592.06	1.57E-06	4.28E-08	1.61E-06	3.19E-07	9.44E-09	3.29E-07	1.68E-06	4.46E-08	1.72E-06	1.87E-07	4.74E-09	1.91E-07
2228	438139.25	3725606.01	1.57E-06	4.30E-08	1.62E-06	3.20E-07	9.51E-09	3.29E-07	1.68E-06	4.49E-08	1.72E-06	1.87E-07	4.78E-09	1.92E-07
2229	438134.73	3725619.95	1.57E-06	4.32E-08	1.61E-06	3.20E-07	9.57E-09	3.29E-07	1.68E-06	4.52E-08	1.72E-06	1.87E-07	4.81E-09	1.92E-07

2230	438121.17	3725661.79	1.57E-06	4.39E-08	1.61E-06	3.19E-07	9.78E-09	3.29E-07	1.67E-06	4.62E-08	1.72E-06	1.87E-07	4.93E-09	1.92E-07
2231	438223.79	3725334.27	1.34E-06	3.43E-08	1.38E-06	2.73E-07	7.38E-09	2.80E-07	1.44E-06	3.48E-08	1.47E-06	1.59E-07	3.66E-09	1.63E-07
2232	438230.45	3725347.37	1.31E-06	3.37E-08	1.34E-06	2.65E-07	7.26E-09	2.73E-07	1.40E-06	3.43E-08	1.43E-06	1.55E-07	3.61E-09	1.58E-07
2233	438237.1	3725360.47	1.27E-06	3.30E-08	1.30E-06	2.58E-07	7.14E-09	2.65E-07	1.36E-06	3.37E-08	1.39E-06	1.50E-07	3.55E-09	1.54E-07
2234	438241.49	3725380.56	1.24E-06	3.25E-08	1.27E-06	2.52E-07	7.07E-09	2.59E-07	1.33E-06	3.34E-08	1.36E-06	1.47E-07	3.53E-09	1.51E-07
2235	438236.95	3725394.54	1.26E-06	3.31E-08	1.29E-06	2.56E-07	7.20E-09	2.63E-07	1.34E-06	3.40E-08	1.38E-06	1.49E-07	3.59E-09	1.53E-07
2236	438232.42	3725408.52	1.27E-06	3.36E-08	1.31E-06	2.59E-07	7.33E-09	2.66E-07	1.36E-06	3.46E-08	1.40E-06	1.51E-07	3.66E-09	1.55E-07
2237	438227.89	3725422.49	1.29E-06	3.42E-08	1.32E-06	2.62E-07	7.45E-09	2.70E-07	1.38E-06	3.52E-08	1.41E-06	1.53E-07	3.72E-09	1.57E-07
2238	438223.36	3725436.47	1.30E-06	3.46E-08	1.34E-06	2.65E-07	7.56E-09	2.72E-07	1.39E-06	3.57E-08	1.43E-06	1.54E-07	3.78E-09	1.58E-07
2239	438218.83	3725450.45	1.31E-06	3.50E-08	1.35E-06	2.67E-07	7.66E-09	2.75E-07	1.40E-06	3.62E-08	1.44E-06	1.56E-07	3.83E-09	1.60E-07
2240	438214.3	3725464.43	1.33E-06	3.55E-08	1.36E-06	2.70E-07	7.77E-09	2.77E-07	1.42E-06	3.67E-08	1.45E-06	1.57E-07	3.88E-09	1.61E-07
2241	438209.77	3725478.41	1.34E-06	3.58E-08	1.37E-06	2.72E-07	7.86E-09	2.80E-07	1.43E-06	3.71E-08	1.47E-06	1.59E-07	3.93E-09	1.63E-07
2242	438205.23	3725492.38	1.35E-06	3.63E-08	1.39E-06	2.75E-07	7.97E-09	2.83E-07	1.44E-06	3.76E-08	1.48E-06	1.60E-07	3.99E-09	1.64E-07
2243	438200.7	3725506.36	1.36E-06	3.67E-08	1.40E-06	2.77E-07	8.06E-09	2.85E-07	1.45E-06	3.81E-08	1.49E-06	1.62E-07	4.04E-09	1.66E-07
2244	438196.17	3725520.34	1.37E-06	3.70E-08	1.41E-06	2.79E-07	8.14E-09	2.87E-07	1.46E-06	3.84E-08	1.50E-06	1.63E-07	4.08E-09	1.67E-07
2245	438191.64	3725534.32	1.38E-06	3.73E-08	1.41E-06	2.80E-07	8.21E-09	2.88E-07	1.47E-06	3.88E-08	1.51E-06	1.64E-07	4.12E-09	1.68E-07
2246	438187.11	3725548.29	1.39E-06	3.77E-08	1.43E-06	2.82E-07	8.30E-09	2.91E-07	1.48E-06	3.92E-08	1.52E-06	1.65E-07	4.16E-09	1.69E-07
2247	438182.58	3725562.27	1.40E-06	3.80E-08	1.44E-06	2.84E-07	8.39E-09	2.93E-07	1.49E-06	3.96E-08	1.53E-06	1.66E-07	4.21E-09	1.70E-07
2248	438178.04	3725576.25	1.40E-06	3.83E-08	1.44E-06	2.86E-07	8.47E-09	2.94E-07	1.50E-06	4.00E-08	1.54E-06	1.67E-07	4.25E-09	1.71E-07
2249	438173.51	3725590.23	1.41E-06	3.86E-08	1.45E-06	2.87E-07	8.54E-09	2.96E-07	1.51E-06	4.03E-08	1.55E-06	1.68E-07	4.29E-09	1.72E-07
2250	438168.98	3725604.21	1.42E-06	3.89E-08	1.46E-06	2.88E-07	8.61E-09	2.97E-07	1.51E-06	4.07E-08	1.55E-06	1.69E-07	4.33E-09	1.73E-07
2251	438164.45	3725618.18	1.42E-06	3.91E-08	1.46E-06	2.89E-07	8.67E-09	2.98E-07	1.52E-06	4.10E-08	1.56E-06	1.69E-07	4.36E-09	1.73E-07
2252	438159.92	3725632.16	1.42E-06	3.93E-08	1.46E-06	2.89E-07	8.73E-09	2.98E-07	1.52E-06	4.12E-08	1.56E-06	1.69E-07	4.39E-09	1.74E-07
2253	438155.39	3725646.14	1.42E-06	3.95E-08	1.46E-06	2.90E-07	8.79E-09	2.98E-07	1.52E-06	4.15E-08	1.56E-06	1.69E-07	4.43E-09	1.74E-07
2254	438132.73	3725716.03	1.42E-06	4.07E-08	1.46E-06	2.89E-07	9.18E-09	2.99E-07	1.52E-06	4.34E-08	1.56E-06	1.70E-07	4.64E-09	1.74E-07
2255	438128.2	3725730.01	1.41E-06	4.08E-08	1.45E-06	2.88E-07	9.23E-09	2.97E-07	1.51E-06	4.36E-08	1.55E-06	1.69E-07	4.68E-09	1.74E-07
2256	438271.39	3725378.23	1.11E-06	2.95E-08	1.14E-06	2.27E-07	6.45E-09	2.33E-07	1.19E-06	3.05E-08	1.22E-06	1.32E-07	3.22E-09	1.36E-07
2257	438266.85	3725392.24	1.13E-06	3.00E-08	1.16E-06	2.29E-07	6.56E-09	2.36E-07	1.21E-06	3.10E-08	1.24E-06	1.34E-07	3.28E-09	1.37E-07
2258	438262.31	3725406.25	1.14E-06	3.05E-08	1.17E-06	2.32E-07	6.67E-09	2.39E-07	1.22E-06	3.15E-08	1.25E-06	1.36E-07	3.34E-09	1.39E-07
2259	438257.77	3725420.25	1.16E-06	3.09E-08	1.19E-06	2.35E-07	6.78E-09	2.42E-07	1.24E-06	3.20E-08	1.27E-06	1.37E-07	3.39E-09	1.41E-07
2260	438253.23	3725434.26	1.17E-06	3.13E-08	1.20E-06	2.38E-07	6.87E-09	2.44E-07	1.25E-06	3.24E-08	1.28E-06	1.39E-07	3.44E-09	1.42E-07
2261	438248.68	3725448.27	1.18E-06	3.17E-08	1.21E-06	2.40E-07	6.96E-09	2.47E-07	1.26E-06	3.29E-08	1.29E-06	1.40E-07	3.49E-09	1.44E-07
2262	438244.14	3725462.28	1.19E-06	3.20E-08	1.22E-06	2.42E-07	7.05E-09	2.49E-07	1.27E-06	3.33E-08	1.30E-06	1.41E-07	3.53E-09	1.45E-07
2263	438239.6	3725476.28	1.20E-06	3.24E-08	1.23E-06	2.44E-07	7.13E-09	2.51E-07	1.28E-06	3.37E-08	1.31E-06	1.43E-07	3.57E-09	1.46E-07
2264	438235.06	3725490.29	1.21E-06	3.28E-08	1.24E-06	2.47E-07	7.23E-09	2.54E-07	1.29E-06	3.41E-08	1.33E-06	1.44E-07	3.63E-09	1.48E-07
2265	438230.52	3725504.3	1.22E-06	3.32E-08	1.26E-06	2.49E-07	7.33E-09	2.56E-07	1.31E-06	3.46E-08	1.34E-06	1.46E-07	3.67E-09	1.49E-07
2266	438225.98	3725518.3	1.23E-06	3.35E-08	1.27E-06	2.51E-07	7.40E-09	2.58E-07	1.32E-06	3.50E-08	1.35E-06	1.47E-07	3.72E-09	1.50E-07
2267	438221.44	3725532.31	1.24E-06	3.38E-08	1.28E-06	2.53E-07	7.48E-09	2.60E-07	1.33E-06	3.53E-08	1.36E-06	1.48E-07	3.75E-09	1.52E-07
2268	438216.9	3725546.32	1.25E-06	3.41E-08	1.28E-06	2.54E-07	7.54E-09	2.62E-07	1.33E-06	3.56E-08	1.37E-06	1.49E-07	3.79E-09	1.52E-07
2269	438212.36	3725560.33	1.26E-06	3.44E-08	1.29E-06	2.56E-07	7.61E-09	2.63E-07	1.34E-06	3.60E-08	1.38E-06	1.50E-07	3.82E-09	1.53E-07
2270	438207.82	3725574.33	1.26E-06	3.47E-08	1.30E-06	2.57E-07	7.68E-09	2.65E-07	1.35E-06	3.63E-08	1.39E-06	1.51E-07	3.86E-09	1.54E-07
2271	438203.27	3725588.34	1.27E-06	3.50E-08	1.31E-06	2.59E-07	7.75E-09	2.67E-07	1.36E-06	3.66E-08	1.40E-06	1.52E-07	3.90E-09	1.55E-07
2272	438198.73	3725602.35	1.28E-06	3.52E-08	1.31E-06	2.60E-07	7.81E-09	2.68E-07	1.37E-06	3.69E-08	1.40E-06	1.52E-07	3.93E-09	1.56E-07
2273	438194.19	3725616.35	1.28E-06	3.55E-08	1.32E-06	2.61E-07	7.88E-09	2.69E-07	1.37E-06	3.72E-08	1.41E-06	1.53E-07	3.97E-09	1.57E-07
2274	438189.65	3725630.36	1.29E-06	3.57E-08	1.32E-06	2.62E-07	7.94E-09	2.70E-07	1.38E-06	3.75E-08	1.41E-06	1.54E-07	4.00E-09	1.58E-07
2275	438185.11	3725644.37	1.29E-06	3.59E-08	1.33E-06	2.63E-07	8.00E-09	2.71E-07	1.38E-06	3.78E-08	1.42E-06	1.54E-07	4.03E-09	1.58E-07
2276	438180.57	3725658.38	1.29E-06	3.61E-08	1.33E-06	2.64E-07	8.06E-09	2.72E-07	1.38E-06	3.81E-08	1.42E-06	1.54E-07	4.06E-09	1.59E-07
2277	438166.95	3725700.4	1.30E-06	3.67E-08	1.33E-06	2.64E-07	8.25E-09	2.73E-07	1.39E-06	3.90E-08	1.43E-06	1.55E-07	4.17E-09	1.59E-07
2278	438162.4	3725714.4	1.29E-06	3.69E-08	1.33E-06	2.64E-07	8.30E-09	2.72E-07	1.38E-06	3.92E-08	1.42E-06	1.55E-07	4.20E-09	1.59E-07
2279	438157.86	3725728.41	1.29E-06	3.70E-08	1.33E-06	2.63E-07	8.36E-09	2.72E-07	1.38E-06	3.95E-08	1.42E-06	1.54E-07	4.23E-09	1.59E-07
2280	438153.32	3725742.42	1.29E-06	3.72E-08	1.32E-06	2.63E-07	8.42E-09	2.71E-07	1.38E-06	3.98E-08	1.42E-06	1.54E-07	4.27E-09	1.58E-07
2281	438148.78	3725756.43	1.28E-06	3.74E-08	1.32E-06	2.61E-07	8.48E-09	2.70E-07	1.37E-06	4.01E-08	1.41E-06	1.54E-07	4.31E-09	1.58E-07
2282	438292.19	3725403.97	1.03E-06	2.77E-08	1.06E-06	2.10E-07	6.10E-09	2.16E-07	1.10E-06	2.88E-08	1.13E-06	1.23E-07	3.05E-09	1.26E-07
2283	438287.64	3725418	1.04E-06	2.81E-08	1.07E-06	2.12E-07	6.19E-09	2.19E-07	1.11E-06	2.92E-08	1.14E-06	1.24E-07	3.10E-09	1.27E-07
2284	438283.1	3725432.04	1.05E-06	2.85E-08	1.08E-06	2.14E-07	6.27E-09	2.21E-07	1.12E-06	2.96E-08	1.15E-06	1.25E-07	3.15E-09	1.28E-07
2285	438278.55	3725446.07	1.06E-06	2.88E-08	1.09E-06	2.16E-07	6.35E-09	2.23E-07	1.13E-06	3.00E-08	1.16E-06	1.26E-07	3.19E-09	1.30E-07
2286	438274	3725460.1	1.07E-06	2.91E-08	1.10E-06	2.19E-07	6.44E-09	2.25E-07	1.15E-06	3.04E-08	1.18E-06	1.28E-07	3.23E-09	1.31E-07
2287	438269.45	3725474.14	1.08E-06	2.95E-08	1.11E-06	2.21E-07	6.52E-09	2.27E-07	1.16E-06	3.08E-08	1.19E-06	1.29E-07	3.27E-09	1.32E-07
2288	438264.9	3725488.17	1.09E-06	2.98E-08	1.12E-06	2.23E-07	6.59E-09	2.29E-07	1.17E-06	3.11E-08	1.20E-06	1.30E-07	3.31E-09	1.34E-07
2289	438260.35	3725502.2	1.10E-06	3.01E-08	1.13E-06	2.24E-07	6.67E-09	2.31E-07	1.18E-06	3.15E-08	1.21E-06	1.31E-07	3.35E-09	1.35E-07
2290	438255.8	3725516.24	1.11E-06	3.04E-08	1.14E-06	2.26E-07	6.74E-09	2.33E-07	1.19E-06	3.18E-08	1.22E-06	1.32E-07	3.39E-09	1.36E-07
2291	438251.25	3725530.27	1.12E-06	3.07E-08	1.15E-06	2.28E-07	6.80E-09	2.35E-07	1.20E-06	3.21E-08	1.23E-06	1.33E-07	3.42E-09	1.37E-07
2292	438246.7	3725544.3	1.13E-06	3.10E-08	1.16E-06	2.30E-07	6.87E-09	2.37E-07	1.21E-06	3.25E-08	1.24E-06	1.34E-07	3.46E-09	1.38E-07
2293	438242.15	3725558.34	1.14E-06	3.13E-08	1.17E-06	2.32E-07	6.94E-09	2.38E-07	1.21E-06	3.28E-08	1.25E-06	1.36E-07	3.49E-09	1.39E-07
2294	438237.6	3725572.37	1.14E-06	3.16E-08	1.18E-06	2.33E-07	7.01E-09	2.40E-07	1.22E-06	3.31E-08	1.26E-06	1.37E-07	3.53E-09	1.40E-07
2295	438233.05	3725586.41	1.15E-06	3.18E-08	1.18E-06	2.35E-07	7.08E-09	2.42E-07	1.23E-06	3.34E-08	1.27E-06	1.37E-07	3.56E-09	1.41E-07
2296	438228.5	3725600.44	1.16E-06	3.21E-08	1.19E-06	2.36E-07	7.14E-09	2.43E-07	1.24E-06	3.37E-08	1.27E-06	1.38E-07	3.59E-09	1.42E-07
2297	438223.95	3725614.47	1.17E-06	3.23E-08	1.20E-06	2.38E-07	7.20E-09	2.45E-07	1.25E-06	3.40E-08	1.28E-06	1.39E-07	3.63E-09	1.43E-07
2298	438219.4	3725628.51	1.17E-06	3.26E-08	1.21E-06	2.39E-07	7.26E-09	2.46E-07	1.25E-06	3.43E-08	1.29E-06	1.40E-07	3.66E-09	1.44E-07
2299	438214.85	3725642.54	1.18E-06	3.28E-08	1.21E-06	2.40E-07	7.32E-09	2.47E-07	1.26E-06	3.46E-08	1.29E-06	1.41E-07	3.69E-09	1.44E-07
2300	438210.3	3725656.57	1.18E-06	3.30E-08	1.21E-06	2.41E-07	7.37E-09	2.48E-07	1.26E-06	3.48E-08	1.30E-06	1.41E-07	3.72E-09	1.45E-07
2301	438205.75	3725670.61	1.18E-06	3.32E-08	1.22E-06	2.41E-07	7.42E-09	2.49E-07	1.26E-06	3.51E-08	1.30E-06	1.41E-07	3.74E-09	1.45E-07
2302	438201.2	3725684.64	1.18E-06	3.33E-08	1.22E-06	2.42E-07	7.47E-09	2.49E-07	1.27E-06	3.53E-08	1.30E-06	1.42E-07	3.77E-09	1.45E-07
2303	438192.1	3725712.71	1.19E-06	3.38E-08	1.22E-06	2.42E-07	7.59E-09	2.50E-07	1.27E-06	3.59E-08	1.31E-06	1.42E-07	3.84E-09	1.46E-07
2304	438187.55	3725726.74	1.19E-06	3.39E-08	1.22E-06	2.42E-07	7.64E-09	2.50E-07	1.27E-06	3.61E-08	1.30E-06	1.42E-07	3.87E-09	1.46E-07
2305	438183	3725740.77	1.18E-06	3.40E-08	1.22E-06	2.41E-07	7.68E-09	2.49E-07	1.27E-06	3.63E-08	1.30E-06	1.42E-07	3.89E-09	1.46E-07
2306	438178.46	3725754.81	1.18E-06	3.41E-08	1.21E-06	2.41E-07	7.73E-09	2.48E-07	1.26E-06	3.65E-08	1.30E-06	1.41E-07	3.92E-09	1.45E-07

2307	438173.91	3725768.84	1.18E-06	3.43E-08	1.21E-06	2.40E-07	7.78E-09	2.48E-07	1.26E-06	3.68E-08	1.29E-06	1.41E-07	3.95E-09	1.45E-07
2308	438313.29	3725428.8	9.54E-07	2.60E-08	9.80E-07	1.94E-07	5.75E-09	2.00E-07	1.02E-06	2.72E-08	1.05E-06	1.14E-07	2.89E-09	1.17E-07
2309	438308.81	3725442.63	9.62E-07	2.62E-08	9.88E-07	1.96E-07	5.81E-09	2.02E-07	1.03E-06	2.75E-08	1.06E-06	1.15E-07	2.92E-09	1.18E-07
2310	438304.32	3725456.46	9.71E-07	2.66E-08	9.98E-07	1.98E-07	5.89E-09	2.04E-07	1.04E-06	2.78E-08	1.07E-06	1.16E-07	2.96E-09	1.19E-07
2311	438299.84	3725470.3	9.82E-07	2.69E-08	1.01E-06	2.00E-07	5.97E-09	2.06E-07	1.05E-06	2.82E-08	1.08E-06	1.17E-07	3.00E-09	1.20E-07
2312	438295.35	3725484.13	9.90E-07	2.72E-08	1.02E-06	2.02E-07	6.03E-09	2.08E-07	1.06E-06	2.85E-08	1.09E-06	1.18E-07	3.03E-09	1.21E-07
2313	438290.87	3725497.97	9.97E-07	2.74E-08	1.02E-06	2.03E-07	6.09E-09	2.09E-07	1.07E-06	2.88E-08	1.09E-06	1.19E-07	3.07E-09	1.22E-07
2314	438286.38	3725511.8	1.01E-06	2.77E-08	1.03E-06	2.05E-07	6.16E-09	2.11E-07	1.07E-06	2.91E-08	1.10E-06	1.20E-07	3.10E-09	1.23E-07
2315	438281.9	3725525.64	1.02E-06	2.80E-08	1.04E-06	2.07E-07	6.23E-09	2.13E-07	1.08E-06	2.94E-08	1.11E-06	1.21E-07	3.13E-09	1.24E-07
2316	438277.41	3725539.47	1.02E-06	2.83E-08	1.05E-06	2.09E-07	6.29E-09	2.15E-07	1.09E-06	2.97E-08	1.12E-06	1.22E-07	3.17E-09	1.25E-07
2317	438272.93	3725553.3	1.03E-06	2.85E-08	1.06E-06	2.10E-07	6.34E-09	2.16E-07	1.10E-06	3.00E-08	1.13E-06	1.23E-07	3.19E-09	1.26E-07
2318	438268.44	3725567.14	1.04E-06	2.87E-08	1.07E-06	2.11E-07	6.40E-09	2.18E-07	1.11E-06	3.02E-08	1.14E-06	1.24E-07	3.22E-09	1.27E-07
2319	438263.96	3725580.97	1.05E-06	2.90E-08	1.07E-06	2.13E-07	6.46E-09	2.19E-07	1.12E-06	3.05E-08	1.15E-06	1.25E-07	3.26E-09	1.28E-07
2320	438259.47	3725594.81	1.05E-06	2.93E-08	1.08E-06	2.15E-07	6.52E-09	2.21E-07	1.13E-06	3.08E-08	1.16E-06	1.26E-07	3.29E-09	1.29E-07
2321	438254.99	3725608.64	1.06E-06	2.94E-08	1.09E-06	2.16E-07	6.57E-09	2.22E-07	1.13E-06	3.10E-08	1.16E-06	1.26E-07	3.31E-09	1.30E-07
2322	438250.5	3725622.48	1.06E-06	2.96E-08	1.09E-06	2.17E-07	6.61E-09	2.23E-07	1.14E-06	3.13E-08	1.17E-06	1.27E-07	3.33E-09	1.30E-07
2323	438246.02	3725636.31	1.07E-06	2.98E-08	1.10E-06	2.18E-07	6.67E-09	2.25E-07	1.14E-06	3.15E-08	1.17E-06	1.28E-07	3.36E-09	1.31E-07
2324	438241.53	3725650.14	1.07E-06	3.01E-08	1.10E-06	2.19E-07	6.72E-09	2.26E-07	1.15E-06	3.18E-08	1.18E-06	1.28E-07	3.39E-09	1.32E-07
2325	438237.05	3725663.98	1.08E-06	3.03E-08	1.11E-06	2.20E-07	6.77E-09	2.27E-07	1.15E-06	3.20E-08	1.19E-06	1.29E-07	3.42E-09	1.32E-07
2326	438232.57	3725677.81	1.08E-06	3.05E-08	1.11E-06	2.21E-07	6.83E-09	2.28E-07	1.16E-06	3.23E-08	1.19E-06	1.30E-07	3.45E-09	1.33E-07
2327	438228.08	3725691.65	1.09E-06	3.06E-08	1.12E-06	2.22E-07	6.87E-09	2.28E-07	1.16E-06	3.25E-08	1.19E-06	1.30E-07	3.47E-09	1.33E-07
2328	438223.6	3725705.48	1.09E-06	3.08E-08	1.12E-06	2.22E-07	6.92E-09	2.29E-07	1.16E-06	3.27E-08	1.20E-06	1.30E-07	3.50E-09	1.34E-07
2329	438214.63	3725733.15	1.09E-06	3.11E-08	1.12E-06	2.22E-07	7.01E-09	2.29E-07	1.16E-06	3.31E-08	1.20E-06	1.30E-07	3.55E-09	1.34E-07
2330	438210.14	3725746.98	1.09E-06	3.12E-08	1.12E-06	2.22E-07	7.05E-09	2.29E-07	1.16E-06	3.33E-08	1.20E-06	1.30E-07	3.57E-09	1.34E-07
2331	438205.66	3725760.82	1.09E-06	3.13E-08	1.12E-06	2.22E-07	7.09E-09	2.29E-07	1.16E-06	3.35E-08	1.19E-06	1.30E-07	3.60E-09	1.34E-07
2332	438201.17	3725774.65	1.08E-06	3.14E-08	1.11E-06	2.21E-07	7.13E-09	2.28E-07	1.16E-06	3.37E-08	1.19E-06	1.30E-07	3.62E-09	1.33E-07
2333	438196.69	3725788.49	1.08E-06	3.15E-08	1.11E-06	2.20E-07	7.17E-09	2.27E-07	1.15E-06	3.39E-08	1.19E-06	1.29E-07	3.64E-09	1.33E-07
2334	438344.12	3725453.61	8.62E-07	2.38E-08	8.86E-07	1.76E-07	5.29E-09	1.81E-07	9.21E-07	2.50E-08	9.46E-07	1.03E-07	2.67E-09	1.06E-07
2335	438339.62	3725467.48	8.71E-07	2.41E-08	8.95E-07	1.77E-07	5.36E-09	1.83E-07	9.31E-07	2.53E-08	9.56E-07	1.04E-07	2.70E-09	1.07E-07
2336	438335.12	3725481.36	8.78E-07	2.43E-08	9.02E-07	1.79E-07	5.42E-09	1.84E-07	9.38E-07	2.56E-08	9.64E-07	1.05E-07	2.73E-09	1.08E-07
2337	438330.62	3725495.23	8.83E-07	2.45E-08	9.08E-07	1.80E-07	5.46E-09	1.86E-07	9.44E-07	2.58E-08	9.70E-07	1.06E-07	2.75E-09	1.08E-07
2338	438326.12	3725509.11	8.89E-07	2.47E-08	9.14E-07	1.81E-07	5.51E-09	1.87E-07	9.50E-07	2.60E-08	9.76E-07	1.06E-07	2.78E-09	1.09E-07
2339	438321.62	3725522.99	8.96E-07	2.49E-08	9.21E-07	1.83E-07	5.56E-09	1.88E-07	9.57E-07	2.63E-08	9.84E-07	1.07E-07	2.80E-09	1.10E-07
2340	438317.13	3725536.86	9.03E-07	2.51E-08	9.28E-07	1.84E-07	5.61E-09	1.90E-07	9.65E-07	2.65E-08	9.92E-07	1.08E-07	2.83E-09	1.11E-07
2341	438312.63	3725550.74	9.09E-07	2.53E-08	9.34E-07	1.85E-07	5.66E-09	1.91E-07	9.71E-07	2.67E-08	9.98E-07	1.09E-07	2.85E-09	1.12E-07
2342	438308.13	3725564.61	9.14E-07	2.55E-08	9.40E-07	1.86E-07	5.70E-09	1.92E-07	9.78E-07	2.70E-08	1.00E-06	1.09E-07	2.88E-09	1.12E-07
2343	438303.63	3725578.49	9.22E-07	2.57E-08	9.48E-07	1.88E-07	5.76E-09	1.94E-07	9.86E-07	2.72E-08	1.01E-06	1.10E-07	2.91E-09	1.13E-07
2344	438299.13	3725592.36	9.29E-07	2.60E-08	9.55E-07	1.90E-07	5.81E-09	1.95E-07	9.94E-07	2.75E-08	1.02E-06	1.11E-07	2.93E-09	1.14E-07
2345	438294.63	3725606.24	9.35E-07	2.62E-08	9.61E-07	1.91E-07	5.86E-09	1.97E-07	1.00E-06	2.77E-08	1.03E-06	1.12E-07	2.96E-09	1.15E-07
2346	438290.14	3725620.11	9.40E-07	2.63E-08	9.66E-07	1.92E-07	5.90E-09	1.98E-07	1.00E-06	2.79E-08	1.03E-06	1.12E-07	2.98E-09	1.15E-07
2347	438285.64	3725633.99	9.45E-07	2.65E-08	9.72E-07	1.93E-07	5.94E-09	1.99E-07	1.01E-06	2.81E-08	1.04E-06	1.13E-07	3.00E-09	1.16E-07
2348	438281.14	3725647.87	9.51E-07	2.67E-08	9.78E-07	1.94E-07	5.99E-09	2.00E-07	1.02E-06	2.83E-08	1.05E-06	1.14E-07	3.02E-09	1.17E-07
2349	438276.64	3725661.74	9.57E-07	2.69E-08	9.84E-07	1.95E-07	6.04E-09	2.01E-07	1.02E-06	2.85E-08	1.05E-06	1.15E-07	3.05E-09	1.18E-07
2350	438272.14	3725675.62	9.62E-07	2.71E-08	9.89E-07	1.96E-07	6.08E-09	2.02E-07	1.03E-06	2.87E-08	1.06E-06	1.15E-07	3.07E-09	1.18E-07
2351	438267.64	3725689.49	9.66E-07	2.73E-08	9.93E-07	1.97E-07	6.13E-09	2.03E-07	1.03E-06	2.90E-08	1.06E-06	1.16E-07	3.10E-09	1.19E-07
2352	438263.14	3725703.37	9.70E-07	2.75E-08	9.97E-07	1.98E-07	6.17E-09	2.04E-07	1.04E-06	2.92E-08	1.07E-06	1.16E-07	3.12E-09	1.19E-07
2353	438258.65	3725717.24	9.72E-07	2.76E-08	1.00E-06	1.98E-07	6.22E-09	2.05E-07	1.04E-06	2.94E-08	1.07E-06	1.16E-07	3.14E-09	1.20E-07
2354	438254.15	3725731.12	9.74E-07	2.78E-08	1.00E-06	1.99E-07	6.26E-09	2.05E-07	1.04E-06	2.96E-08	1.07E-06	1.17E-07	3.17E-09	1.20E-07
2355	438240.65	3725772.75	9.75E-07	2.81E-08	1.00E-06	1.99E-07	6.37E-09	2.05E-07	1.04E-06	3.01E-08	1.07E-06	1.17E-07	3.23E-09	1.20E-07
2356	438236.15	3725786.62	9.73E-07	2.82E-08	1.00E-06	1.99E-07	6.41E-09	2.05E-07	1.04E-06	3.03E-08	1.07E-06	1.17E-07	3.25E-09	1.20E-07
2357	438231.66	3725800.5	9.70E-07	2.83E-08	9.99E-07	1.98E-07	6.44E-09	2.05E-07	1.04E-06	3.05E-08	1.07E-06	1.17E-07	3.27E-09	1.20E-07
2358	438227.16	3725814.37	9.67E-07	2.84E-08	9.95E-07	1.97E-07	6.47E-09	2.04E-07	1.03E-06	3.06E-08	1.06E-06	1.16E-07	3.29E-09	1.20E-07
2359	438374.9	3725478.55	7.81E-07	2.18E-08	8.03E-07	1.59E-07	4.88E-09	1.64E-07	8.35E-07	2.30E-08	8.58E-07	9.35E-08	2.46E-09	9.59E-08
2360	438370.39	3725492.46	7.86E-07	2.20E-08	8.08E-07	1.60E-07	4.92E-09	1.65E-07	8.41E-07	2.32E-08	8.64E-07	9.41E-08	2.48E-09	9.66E-08
2361	438365.87	3725506.37	7.92E-07	2.21E-08	8.14E-07	1.61E-07	4.96E-09	1.66E-07	8.46E-07	2.34E-08	8.70E-07	9.48E-08	2.50E-09	9.73E-08
2362	438361.36	3725520.28	7.97E-07	2.23E-08	8.19E-07	1.63E-07	5.00E-09	1.68E-07	8.52E-07	2.36E-08	8.76E-07	9.54E-08	2.53E-09	9.79E-08
2363	438356.85	3725534.2	8.02E-07	2.25E-08	8.25E-07	1.64E-07	5.04E-09	1.69E-07	8.57E-07	2.38E-08	8.81E-07	9.61E-08	2.55E-09	9.86E-08
2364	438352.34	3725548.11	8.07E-07	2.27E-08	8.30E-07	1.65E-07	5.08E-09	1.70E-07	8.63E-07	2.40E-08	8.87E-07	9.67E-08	2.57E-09	9.93E-08
2365	438347.83	3725562.02	8.12E-07	2.28E-08	8.35E-07	1.66E-07	5.12E-09	1.71E-07	8.69E-07	2.42E-08	8.93E-07	9.73E-08	2.59E-09	9.99E-08
2366	438343.32	3725575.93	8.17E-07	2.30E-08	8.40E-07	1.67E-07	5.16E-09	1.72E-07	8.74E-07	2.44E-08	8.98E-07	9.79E-08	2.61E-09	1.01E-07
2367	438338.81	3725589.84	8.22E-07	2.31E-08	8.46E-07	1.68E-07	5.19E-09	1.73E-07	8.79E-07	2.45E-08	9.04E-07	9.85E-08	2.62E-09	1.01E-07
2368	438334.3	3725603.76	8.29E-07	2.33E-08	8.52E-07	1.69E-07	5.24E-09	1.74E-07	8.86E-07	2.48E-08	9.11E-07	9.93E-08	2.65E-09	1.02E-07
2369	438329.79	3725617.67	8.35E-07	2.35E-08	8.59E-07	1.70E-07	5.28E-09	1.76E-07	8.93E-07	2.50E-08	9.18E-07	1.00E-07	2.67E-09	1.03E-07
2370	438325.28	3725631.58	8.40E-07	2.37E-08	8.64E-07	1.71E-07	5.32E-09	1.77E-07	8.99E-07	2.52E-08	9.24E-07	1.01E-07	2.69E-09	1.03E-07
2371	438320.77	3725645.49	8.46E-07	2.39E-08	8.70E-07	1.73E-07	5.36E-09	1.78E-07	9.04E-07	2.53E-08	9.30E-07	1.01E-07	2.71E-09	1.04E-07
2372	438316.26	3725659.4	8.52E-07	2.40E-08	8.76E-07	1.74E-07	5.41E-09	1.79E-07	9.10E-07	2.56E-08	9.36E-07	1.02E-07	2.73E-09	1.05E-07
2373	438311.75	3725673.32	8.57E-07	2.42E-08	8.82E-07	1.75E-07	5.45E-09	1.80E-07	9.17E-07	2.58E-08	9.42E-07	1.03E-07	2.76E-09	1.06E-07
2374	438307.24	3725687.23	8.63E-07	2.44E-08	8.87E-07	1.76E-07	5.50E-09	1.82E-07	9.22E-07	2.60E-08	9.48E-07	1.03E-07	2.78E-09	1.06E-07
2375	438302.73	3725701.14	8.67E-07	2.46E-08	8.91E-07	1.77E-07	5.54E-09	1.82E-07	9.27E-07	2.62E-08	9.53E-07	1.04E-07	2.80E-09	1.07E-07
2376	438298.22	3725715.05	8.71E-07	2.47E-08	8.95E-07	1.78E-07	5.58E-09	1.83E-07	9.31E-07	2.63E-08	9.57E-07	1.04E-07	2.82E-09	1.07E-07
2377	438293.71	3725728.97	8.73E-07	2.49E-08	8.98E-07	1.78E-07	5.61E-09	1.84E-07	9.33E-07	2.65E-08	9.60E-07	1.05E-07	2.84E-09	1.08E-07
2378	438289.2	3725742.88	8.75E-07	2.50E-08	9.00E-07	1.79E-07	5.64E-09	1.84E-07	9.36E-07	2.67E-08	9.62E-07	1.05E-07	2.86E-09	1.08E-07
2379	438284.69	3725756.79	8.78E-07	2.51E-08	9.03E-07	1.79E-07	5.68E-09	1.85E-07	9.38E-07	2.69E-08	9.65E-07	1.05E-07	2.88E-09	1.08E-07
2380	438271.16	3725798.53	8.78E-07	2.54E-08	9.03E-07	1.79E-07	5.78E-09	1.85E-07	9.38E-07	2.73E-08	9.66E-07	1.05E-07	2.93E-09	1.08E-07
2381	438266.65	3725812.44	8.76E-07	2.55E-08	9.02E-07	1.79E-07	5.81E-09	1.85E-07	9.37E-07	2.75E-08	9.64E-07	1.05E-07	2.95E-09	1.08E-07
2382	438262.14	3725826.35	8.74E-07	2.56E-08	8.99E-07	1.79E-07	5.84E-09	1.84E-07	9.34E-07	2.76E-08	9.62E-07	1.05E-07	2.97E-09	1.08E-07
2383	438257.63	3725840.26	8.70E-07	2.56E-08	8.96E-07	1.78E-07	5.86E-09	1.84E-07	9.31E-07	2.77E-08	9.58E-07	1.05E-07	2.98E-09	1.08E-07

2384	438401.12	3725517.53	7.11E-07	2.01E-08	7.31E-07	1.45E-07	4.51E-09	1.50E-07	7.60E-07	2.13E-08	7.82E-07	8.53E-08	2.28E-09	8.76E-08
2385	438396.6	3725531.48	7.15E-07	2.02E-08	7.35E-07	1.46E-07	4.54E-09	1.50E-07	7.64E-07	2.15E-08	7.86E-07	8.57E-08	2.30E-09	8.80E-08
2386	438392.08	3725545.42	7.19E-07	2.03E-08	7.40E-07	1.47E-07	4.57E-09	1.51E-07	7.69E-07	2.16E-08	7.91E-07	8.63E-08	2.31E-09	8.86E-08
2387	438387.56	3725559.37	7.24E-07	2.05E-08	7.45E-07	1.48E-07	4.61E-09	1.53E-07	7.75E-07	2.18E-08	7.96E-07	8.69E-08	2.33E-09	8.92E-08
2388	438383.04	3725573.31	7.29E-07	2.06E-08	7.50E-07	1.49E-07	4.65E-09	1.54E-07	7.80E-07	2.20E-08	8.02E-07	8.75E-08	2.35E-09	8.99E-08
2389	438378.52	3725587.26	7.35E-07	2.08E-08	7.55E-07	1.50E-07	4.68E-09	1.55E-07	7.85E-07	2.21E-08	8.07E-07	8.81E-08	2.37E-09	9.05E-08
2390	438374	3725601.2	7.40E-07	2.09E-08	7.60E-07	1.51E-07	4.72E-09	1.56E-07	7.91E-07	2.23E-08	8.13E-07	8.87E-08	2.39E-09	9.11E-08
2391	438369.47	3725615.15	7.44E-07	2.11E-08	7.65E-07	1.52E-07	4.75E-09	1.57E-07	7.96E-07	2.24E-08	8.18E-07	8.93E-08	2.40E-09	9.17E-08
2392	438364.95	3725629.09	7.49E-07	2.12E-08	7.71E-07	1.53E-07	4.79E-09	1.58E-07	8.01E-07	2.26E-08	8.24E-07	8.99E-08	2.42E-09	9.23E-08
2393	438360.43	3725643.04	7.55E-07	2.14E-08	7.76E-07	1.54E-07	4.82E-09	1.59E-07	8.07E-07	2.28E-08	8.30E-07	9.06E-08	2.44E-09	9.30E-08
2394	438355.91	3725656.98	7.60E-07	2.16E-08	7.81E-07	1.55E-07	4.86E-09	1.60E-07	8.12E-07	2.30E-08	8.35E-07	9.12E-08	2.46E-09	9.36E-08
2395	438351.39	3725670.93	7.65E-07	2.17E-08	7.86E-07	1.56E-07	4.89E-09	1.61E-07	8.17E-07	2.31E-08	8.41E-07	9.17E-08	2.48E-09	9.42E-08
2396	438346.87	3725684.87	7.69E-07	2.19E-08	7.91E-07	1.57E-07	4.93E-09	1.62E-07	8.23E-07	2.33E-08	8.46E-07	9.23E-08	2.50E-09	9.48E-08
2397	438342.35	3725698.82	7.74E-07	2.20E-08	7.96E-07	1.58E-07	4.97E-09	1.63E-07	8.28E-07	2.35E-08	8.51E-07	9.29E-08	2.52E-09	9.54E-08
2398	438337.83	3725712.76	7.79E-07	2.22E-08	8.01E-07	1.59E-07	5.01E-09	1.64E-07	8.33E-07	2.37E-08	8.57E-07	9.35E-08	2.54E-09	9.60E-08
2399	438333.31	3725726.71	7.83E-07	2.23E-08	8.06E-07	1.60E-07	5.05E-09	1.65E-07	8.37E-07	2.38E-08	8.61E-07	9.40E-08	2.56E-09	9.66E-08
2400	438328.79	3725740.65	7.86E-07	2.25E-08	8.09E-07	1.61E-07	5.08E-09	1.66E-07	8.41E-07	2.40E-08	8.65E-07	9.44E-08	2.57E-09	9.70E-08
2401	438324.27	3725754.6	7.89E-07	2.26E-08	8.12E-07	1.61E-07	5.11E-09	1.66E-07	8.44E-07	2.42E-08	8.68E-07	9.48E-08	2.59E-09	9.74E-08
2402	438319.75	3725768.54	7.92E-07	2.27E-08	8.14E-07	1.62E-07	5.14E-09	1.67E-07	8.46E-07	2.43E-08	8.71E-07	9.51E-08	2.61E-09	9.77E-08
2403	438315.22	3725782.49	7.93E-07	2.28E-08	8.16E-07	1.62E-07	5.18E-09	1.67E-07	8.48E-07	2.45E-08	8.73E-07	9.53E-08	2.63E-09	9.80E-08
2404	438288.1	3725866.16	7.89E-07	2.33E-08	8.12E-07	1.61E-07	5.34E-09	1.67E-07	8.44E-07	2.52E-08	8.69E-07	9.51E-08	2.72E-09	9.78E-08
2405	438431.83	3725542.7	6.45E-07	1.83E-08	6.63E-07	1.32E-07	4.14E-09	1.36E-07	6.89E-07	1.96E-08	7.09E-07	7.74E-08	2.10E-09	7.95E-08
2406	438427.3	3725556.67	6.50E-07	1.85E-08	6.68E-07	1.33E-07	4.18E-09	1.37E-07	6.95E-07	1.97E-08	7.15E-07	7.81E-08	2.12E-09	8.02E-08
2407	438422.77	3725570.65	6.55E-07	1.86E-08	6.73E-07	1.34E-07	4.21E-09	1.38E-07	7.00E-07	1.99E-08	7.20E-07	7.87E-08	2.13E-09	8.08E-08
2408	438418.24	3725584.62	6.59E-07	1.88E-08	6.78E-07	1.35E-07	4.24E-09	1.39E-07	7.05E-07	2.00E-08	7.25E-07	7.91E-08	2.15E-09	8.13E-08
2409	438413.71	3725598.59	6.63E-07	1.89E-08	6.82E-07	1.35E-07	4.27E-09	1.40E-07	7.09E-07	2.02E-08	7.29E-07	7.96E-08	2.16E-09	8.18E-08
2410	438409.18	3725612.57	6.68E-07	1.90E-08	6.87E-07	1.36E-07	4.30E-09	1.41E-07	7.14E-07	2.03E-08	7.35E-07	8.02E-08	2.18E-09	8.24E-08
2411	438404.65	3725626.54	6.73E-07	1.92E-08	6.92E-07	1.37E-07	4.33E-09	1.42E-07	7.20E-07	2.05E-08	7.40E-07	8.09E-08	2.20E-09	8.31E-08
2412	438400.12	3725640.52	6.77E-07	1.93E-08	6.97E-07	1.38E-07	4.36E-09	1.43E-07	7.24E-07	2.06E-08	7.45E-07	8.14E-08	2.21E-09	8.36E-08
2413	438395.58	3725654.49	6.82E-07	1.94E-08	7.01E-07	1.39E-07	4.39E-09	1.44E-07	7.29E-07	2.08E-08	7.50E-07	8.19E-08	2.23E-09	8.41E-08
2414	438391.05	3725668.47	6.87E-07	1.96E-08	7.06E-07	1.40E-07	4.43E-09	1.45E-07	7.34E-07	2.09E-08	7.55E-07	8.25E-08	2.24E-09	8.47E-08
2415	438386.52	3725682.44	6.91E-07	1.97E-08	7.11E-07	1.41E-07	4.46E-09	1.46E-07	7.39E-07	2.11E-08	7.60E-07	8.30E-08	2.26E-09	8.53E-08
2416	438381.99	3725696.41	6.96E-07	1.99E-08	7.15E-07	1.42E-07	4.49E-09	1.47E-07	7.44E-07	2.12E-08	7.65E-07	8.36E-08	2.27E-09	8.58E-08
2417	438377.46	3725710.39	7.00E-07	2.00E-08	7.20E-07	1.43E-07	4.52E-09	1.47E-07	7.48E-07	2.14E-08	7.70E-07	8.41E-08	2.29E-09	8.64E-08
2418	438372.93	3725724.36	7.04E-07	2.01E-08	7.24E-07	1.44E-07	4.55E-09	1.48E-07	7.53E-07	2.15E-08	7.74E-07	8.46E-08	2.31E-09	8.69E-08
2419	438368.4	3725738.34	7.08E-07	2.03E-08	7.28E-07	1.45E-07	4.59E-09	1.49E-07	7.57E-07	2.17E-08	7.79E-07	8.51E-08	2.33E-09	8.74E-08
2420	438363.87	3725752.31	7.12E-07	2.04E-08	7.32E-07	1.45E-07	4.62E-09	1.50E-07	7.61E-07	2.18E-08	7.83E-07	8.56E-08	2.34E-09	8.79E-08
2421	438359.34	3725766.29	7.15E-07	2.05E-08	7.36E-07	1.46E-07	4.65E-09	1.51E-07	7.65E-07	2.20E-08	7.87E-07	8.60E-08	2.36E-09	8.84E-08
2422	438354.81	3725780.26	7.18E-07	2.07E-08	7.39E-07	1.47E-07	4.69E-09	1.51E-07	7.68E-07	2.22E-08	7.90E-07	8.64E-08	2.38E-09	8.88E-08
2423	438350.28	3725794.24	7.21E-07	2.08E-08	7.42E-07	1.47E-07	4.72E-09	1.52E-07	7.71E-07	2.23E-08	7.93E-07	8.67E-08	2.40E-09	8.91E-08
2424	438345.75	3725808.21	7.23E-07	2.09E-08	7.44E-07	1.48E-07	4.75E-09	1.53E-07	7.74E-07	2.25E-08	7.96E-07	8.70E-08	2.41E-09	8.94E-08
2425	438332.16	3725850.13	7.24E-07	2.12E-08	7.45E-07	1.48E-07	4.83E-09	1.53E-07	7.74E-07	2.28E-08	7.97E-07	8.72E-08	2.46E-09	8.96E-08
2426	438327.63	3725864.11	7.22E-07	2.12E-08	7.43E-07	1.48E-07	4.84E-09	1.53E-07	7.72E-07	2.29E-08	7.95E-07	8.70E-08	2.47E-09	8.95E-08
2427	438323.1	3725878.08	7.20E-07	2.12E-08	7.41E-07	1.47E-07	4.86E-09	1.52E-07	7.70E-07	2.30E-08	7.93E-07	8.68E-08	2.47E-09	8.92E-08
2428	438318.57	3725892.06	7.16E-07	2.12E-08	7.38E-07	1.47E-07	4.87E-09	1.51E-07	7.66E-07	2.30E-08	7.89E-07	8.64E-08	2.48E-09	8.89E-08
2429	438457.97	3725581.93	5.96E-07	1.71E-08	6.13E-07	1.22E-07	3.87E-09	1.26E-07	6.38E-07	1.83E-08	6.56E-07	7.17E-08	1.96E-09	7.37E-08
2430	438453.43	3725595.94	6.00E-07	1.72E-08	6.17E-07	1.23E-07	3.89E-09	1.26E-07	6.41E-07	1.84E-08	6.60E-07	7.21E-08	1.97E-09	7.41E-08
2431	438448.89	3725609.94	6.03E-07	1.73E-08	6.21E-07	1.23E-07	3.92E-09	1.27E-07	6.45E-07	1.85E-08	6.64E-07	7.26E-08	1.99E-09	7.46E-08
2432	438444.36	3725623.94	6.07E-07	1.74E-08	6.24E-07	1.24E-07	3.94E-09	1.28E-07	6.49E-07	1.86E-08	6.68E-07	7.30E-08	2.00E-09	7.50E-08
2433	438439.82	3725637.94	6.12E-07	1.75E-08	6.29E-07	1.25E-07	3.97E-09	1.29E-07	6.54E-07	1.88E-08	6.73E-07	7.36E-08	2.01E-09	7.56E-08
2434	438435.28	3725651.94	6.16E-07	1.77E-08	6.34E-07	1.26E-07	4.00E-09	1.30E-07	6.59E-07	1.89E-08	6.78E-07	7.41E-08	2.03E-09	7.61E-08
2435	438430.74	3725665.94	6.20E-07	1.78E-08	6.38E-07	1.27E-07	4.03E-09	1.31E-07	6.63E-07	1.90E-08	6.82E-07	7.46E-08	2.04E-09	7.66E-08
2436	438426.2	3725679.94	6.24E-07	1.79E-08	6.42E-07	1.27E-07	4.05E-09	1.32E-07	6.67E-07	1.91E-08	6.86E-07	7.50E-08	2.05E-09	7.71E-08
2437	438421.66	3725693.94	6.28E-07	1.80E-08	6.46E-07	1.28E-07	4.08E-09	1.32E-07	6.72E-07	1.93E-08	6.91E-07	7.55E-08	2.07E-09	7.76E-08
2438	438417.12	3725707.94	6.33E-07	1.81E-08	6.51E-07	1.29E-07	4.11E-09	1.33E-07	6.77E-07	1.94E-08	6.96E-07	7.61E-08	2.09E-09	7.82E-08
2439	438412.58	3725721.94	6.37E-07	1.83E-08	6.55E-07	1.30E-07	4.14E-09	1.34E-07	6.81E-07	1.96E-08	7.01E-07	7.66E-08	2.10E-09	7.87E-08
2440	438408.04	3725735.94	6.41E-07	1.84E-08	6.60E-07	1.31E-07	4.17E-09	1.35E-07	6.86E-07	1.97E-08	7.06E-07	7.72E-08	2.12E-09	7.93E-08
2441	438403.5	3725749.95	6.46E-07	1.85E-08	6.64E-07	1.32E-07	4.20E-09	1.36E-07	6.90E-07	1.99E-08	7.10E-07	7.77E-08	2.13E-09	7.98E-08
2442	438398.97	3725763.95	6.49E-07	1.87E-08	6.68E-07	1.33E-07	4.24E-09	1.37E-07	6.94E-07	2.00E-08	7.14E-07	7.81E-08	2.15E-09	8.03E-08
2443	438394.43	3725777.95	6.52E-07	1.88E-08	6.71E-07	1.33E-07	4.26E-09	1.38E-07	6.98E-07	2.02E-08	7.18E-07	7.85E-08	2.16E-09	8.07E-08
2444	438389.89	3725791.95	6.55E-07	1.89E-08	6.74E-07	1.34E-07	4.29E-09	1.38E-07	7.01E-07	2.03E-08	7.21E-07	7.89E-08	2.18E-09	8.10E-08
2445	438385.35	3725805.95	6.58E-07	1.90E-08	6.77E-07	1.34E-07	4.32E-09	1.39E-07	7.03E-07	2.04E-08	7.24E-07	7.92E-08	2.19E-09	8.14E-08
2446	438380.81	3725819.95	6.59E-07	1.91E-08	6.79E-07	1.35E-07	4.35E-09	1.39E-07	7.05E-07	2.05E-08	7.26E-07	7.94E-08	2.21E-09	8.16E-08
2447	438376.27	3725833.95	6.61E-07	1.92E-08	6.80E-07	1.35E-07	4.37E-09	1.40E-07	7.07E-07	2.07E-08	7.28E-07	7.96E-08	2.22E-09	8.18E-08
2448	438362.65	3725875.95	6.59E-07	1.93E-08	6.78E-07	1.35E-07	4.41E-09	1.39E-07	7.04E-07	2.09E-08	7.25E-07	7.94E-08	2.25E-09	8.16E-08
2449	438358.11	3725889.95	6.57E-07	1.93E-08	6.76E-07	1.34E-07	4.43E-09	1.39E-07	7.02E-07	2.09E-08	7.23E-07	7.92E-08	2.25E-09	8.15E-08
2450	438353.58	3725903.96	6.55E-07	1.94E-08	6.74E-07	1.34E-07	4.44E-09	1.38E-07	7.01E-07	2.10E-08	7.22E-07	7.90E-08	2.26E-09	8.13E-08
2451	438488.63	3725607.26	5.49E-07	1.58E-08	5.65E-07	1.12E-07	3.59E-09	1.16E-07	5.87E-07	1.70E-08	6.04E-07	6.61E-08	1.82E-09	6.79E-08
2452	438484.08	3725621.28	5.52E-07	1.59E-08	5.68E-07	1.13E-07	3.61E-09	1.16E-07	5.90E-07	1.71E-08	6.07E-07	6.65E-08	1.83E-09	6.83E-08
2453	438479.53	3725635.31	5.56E-07	1.60E-08	5.72E-07	1.14E-07	3.64E-09	1.17E-07	5.95E-07	1.72E-08	6.12E-07	6.69E-08	1.85E-09	6.88E-08
2454	438474.99	3725649.33	5.60E-07	1.61E-08	5.76E-07	1.15E-07	3.66E-09	1.18E-07	5.99E-07	1.73E-08	6.16E-07	6.74E-08	1.86E-09	6.93E-08
2455	438470.44	3725663.36	5.64E-07	1.62E-08	5.80E-07	1.15E-07	3.69E-09	1.19E-07	6.03E-07	1.74E-08	6.21E-07	6.79E-08	1.87E-09	6.98E-08
2456	438465.89	3725677.38	5.67E-07	1.63E-08	5.83E-07	1.16E-07	3.71E-09	1.20E-07	6.07E-07	1.75E-08	6.24E-07	6.83E-08	1.88E-09	7.02E-08
2457	438461.35	3725691.41	5.71E-07	1.64E-08	5.87E-07	1.17E-07	3.73E-09	1.20E-07	6.10E-07	1.76E-08	6.28E-07	6.87E-08	1.89E-09	7.06E-08
2458	438456.8	3725705.43	5.75E-07	1.65E-08	5.91E-07	1.17E-07	3.76E-09	1.21E-07	6.15E-07	1.78E-08	6.32E-07	6.92E-08	1.91E-09	7.11E-08
2459	438452.25	3725719.46	5.79E-07	1.67E-08	5.95E-07	1.18E-07	3.78E-09	1.22E-07	6.19E-07	1.79E-08	6.37E-07	6.97E-08	1.92E-09	7.16E-08
2460	438447.71	3725733.48	5.83E-07	1.68E-08	5.99E-07	1.19E-07	3.81E-09	1.23E-07	6.23E-07	1.80E-08	6.41E-07	7.01E-08	1.93E-09	7.21E-08

2461	438443.16	3725747.51	5.86E-07	1.69E-08	6.03E-07	1.20E-07	3.84E-09	1.24E-07	6.27E-07	1.81E-08	6.45E-07	7.06E-08	1.95E-09	7.25E-08
2462	438438.61	3725761.53	5.90E-07	1.70E-08	6.07E-07	1.21E-07	3.86E-09	1.24E-07	6.30E-07	1.82E-08	6.49E-07	7.10E-08	1.96E-09	7.29E-08
2463	438434.07	3725775.56	5.93E-07	1.71E-08	6.10E-07	1.21E-07	3.89E-09	1.25E-07	6.34E-07	1.84E-08	6.52E-07	7.14E-08	1.97E-09	7.34E-08
2464	438429.52	3725789.58	5.96E-07	1.72E-08	6.14E-07	1.22E-07	3.91E-09	1.26E-07	6.38E-07	1.85E-08	6.56E-07	7.18E-08	1.99E-09	7.38E-08
2465	438424.97	3725803.61	5.99E-07	1.73E-08	6.17E-07	1.23E-07	3.94E-09	1.27E-07	6.41E-07	1.86E-08	6.60E-07	7.22E-08	2.00E-09	7.42E-08
2466	438420.42	3725817.63	6.02E-07	1.74E-08	6.19E-07	1.23E-07	3.97E-09	1.27E-07	6.44E-07	1.87E-08	6.62E-07	7.25E-08	2.02E-09	7.45E-08
2467	438311.74	3724752.18	3.49E-07	8.42E-09	3.57E-07	7.14E-08	1.82E-09	7.33E-08	3.74E-07	8.58E-09	3.82E-07	4.21E-08	9.03E-10	4.31E-08
2468	438318.43	3724765.35	3.59E-07	8.67E-09	3.68E-07	7.35E-08	1.87E-09	7.54E-08	3.85E-07	8.83E-09	3.93E-07	4.34E-08	9.29E-10	4.43E-08
2469	438325.11	3724778.52	3.69E-07	8.92E-09	3.78E-07	7.56E-08	1.92E-09	7.75E-08	3.95E-07	9.08E-09	4.04E-07	4.45E-08	9.55E-10	4.55E-08
2470	438331.8	3724791.68	3.79E-07	9.17E-09	3.88E-07	7.75E-08	1.98E-09	7.94E-08	4.05E-07	9.33E-09	4.15E-07	4.56E-08	9.81E-10	4.66E-08
2471	438519.26	3725632.64	5.08E-07	1.47E-08	5.22E-07	1.04E-07	3.34E-09	1.07E-07	5.43E-07	1.58E-08	5.59E-07	6.12E-08	1.70E-09	6.29E-08
2472	438514.71	3725646.68	5.12E-07	1.48E-08	5.26E-07	1.05E-07	3.37E-09	1.08E-07	5.47E-07	1.59E-08	5.63E-07	6.17E-08	1.71E-09	6.34E-08
2473	438510.16	3725660.73	5.15E-07	1.49E-08	5.30E-07	1.05E-07	3.39E-09	1.09E-07	5.51E-07	1.60E-08	5.67E-07	6.21E-08	1.72E-09	6.38E-08
2474	438505.6	3725674.78	5.18E-07	1.50E-08	5.33E-07	1.06E-07	3.41E-09	1.09E-07	5.54E-07	1.61E-08	5.70E-07	6.25E-08	1.73E-09	6.42E-08
2475	438501.05	3725688.82	5.21E-07	1.51E-08	5.36E-07	1.07E-07	3.43E-09	1.10E-07	5.58E-07	1.62E-08	5.74E-07	6.28E-08	1.74E-09	6.46E-08
2476	438496.5	3725702.87	5.25E-07	1.52E-08	5.40E-07	1.07E-07	3.45E-09	1.11E-07	5.62E-07	1.63E-08	5.78E-07	6.33E-08	1.75E-09	6.50E-08
2477	438491.94	3725716.92	5.29E-07	1.53E-08	5.44E-07	1.08E-07	3.48E-09	1.12E-07	5.66E-07	1.64E-08	5.82E-07	6.37E-08	1.77E-09	6.55E-08
2478	438487.39	3725730.96	5.32E-07	1.54E-08	5.47E-07	1.09E-07	3.50E-09	1.12E-07	5.69E-07	1.65E-08	5.85E-07	6.41E-08	1.78E-09	6.59E-08
2479	438482.83	3725745.01	5.35E-07	1.55E-08	5.50E-07	1.09E-07	3.52E-09	1.13E-07	5.72E-07	1.66E-08	5.89E-07	6.44E-08	1.79E-09	6.62E-08
2480	438478.28	3725759.06	5.38E-07	1.56E-08	5.54E-07	1.10E-07	3.54E-09	1.14E-07	5.76E-07	1.67E-08	5.92E-07	6.49E-08	1.80E-09	6.67E-08
2481	438302.79	3724740.79	3.40E-07	8.19E-09	3.48E-07	6.96E-08	1.77E-09	7.14E-08	3.64E-07	8.35E-09	3.72E-07	4.11E-08	8.80E-10	4.20E-08
2482	438337.76	3724721.77	3.19E-07	7.78E-09	3.27E-07	6.54E-08	1.69E-09	6.71E-08	3.42E-07	7.97E-09	3.50E-07	3.86E-08	8.40E-10	3.94E-08
2483	438344.39	3724734.82	3.28E-07	8.01E-09	3.36E-07	6.72E-08	1.74E-09	6.90E-08	3.51E-07	8.20E-09	3.60E-07	3.97E-08	8.64E-10	4.05E-08
2484	438351.01	3724747.87	3.37E-07	8.23E-09	3.45E-07	6.90E-08	1.78E-09	7.08E-08	3.61E-07	8.42E-09	3.69E-07	4.07E-08	8.87E-10	4.16E-08
2485	438357.64	3724760.91	3.46E-07	8.45E-09	3.54E-07	7.07E-08	1.83E-09	7.26E-08	3.70E-07	8.64E-09	3.79E-07	4.17E-08	9.10E-10	4.26E-08
2486	438364.27	3724773.96	3.54E-07	8.66E-09	3.62E-07	7.24E-08	1.87E-09	7.42E-08	3.78E-07	8.85E-09	3.87E-07	4.26E-08	9.32E-10	4.36E-08
2487	438370.89	3724787.01	3.61E-07	8.86E-09	3.70E-07	7.39E-08	1.92E-09	7.58E-08	3.87E-07	9.05E-09	3.96E-07	4.35E-08	9.54E-10	4.45E-08
2488	438377.52	3724800.06	3.69E-07	9.07E-09	3.78E-07	7.55E-08	1.96E-09	7.75E-08	3.95E-07	9.27E-09	4.05E-07	4.45E-08	9.77E-10	4.55E-08
2489	438384.14	3724813.11	3.76E-07	9.26E-09	3.85E-07	7.69E-08	2.00E-09	7.89E-08	4.02E-07	9.46E-09	4.12E-07	4.52E-08	9.97E-10	4.62E-08
2490	438390.77	3724826.15	3.83E-07	9.45E-09	3.92E-07	7.83E-08	2.05E-09	8.03E-08	4.10E-07	9.66E-09	4.19E-07	4.61E-08	1.02E-09	4.71E-08
2491	438417.27	3724878.34	4.21E-07	1.05E-08	4.32E-07	8.61E-08	2.27E-09	8.83E-08	4.51E-07	1.07E-08	4.61E-07	5.06E-08	1.13E-09	5.17E-08
2492	438423.9	3724891.39	4.31E-07	1.08E-08	4.42E-07	8.81E-08	2.33E-09	9.04E-08	4.61E-07	1.10E-08	4.72E-07	5.17E-08	1.16E-09	5.29E-08
2493	438430.53	3724904.44	4.41E-07	1.10E-08	4.52E-07	9.00E-08	2.39E-09	9.24E-08	4.72E-07	1.13E-08	4.83E-07	5.29E-08	1.19E-09	5.41E-08
2494	438437.15	3724917.49	4.50E-07	1.13E-08	4.62E-07	9.19E-08	2.45E-09	9.44E-08	4.82E-07	1.16E-08	4.93E-07	5.40E-08	1.22E-09	5.52E-08
2495	438443.78	3724930.54	4.59E-07	1.16E-08	4.71E-07	9.38E-08	2.51E-09	9.63E-08	4.91E-07	1.19E-08	5.03E-07	5.50E-08	1.25E-09	5.63E-08
2496	438450.4	3724943.58	4.67E-07	1.18E-08	4.79E-07	9.54E-08	2.57E-09	9.80E-08	5.00E-07	1.21E-08	5.12E-07	5.60E-08	1.28E-09	5.73E-08
2497	438546.44	3725668.68	4.75E-07	1.38E-08	4.88E-07	9.71E-08	3.14E-09	1.00E-07	5.08E-07	1.49E-08	5.23E-07	5.73E-08	1.60E-09	5.89E-08
2498	438541.93	3725682.6	4.77E-07	1.39E-08	4.91E-07	9.77E-08	3.16E-09	1.01E-07	5.11E-07	1.49E-08	5.26E-07	5.76E-08	1.61E-09	5.92E-08
2499	438537.42	3725696.52	4.81E-07	1.40E-08	4.95E-07	9.83E-08	3.18E-09	1.02E-07	5.14E-07	1.50E-08	5.29E-07	5.80E-08	1.62E-09	5.96E-08
2500	438370.45	3724704.5	3.01E-07	7.42E-09	3.08E-07	6.17E-08	1.62E-09	6.33E-08	3.22E-07	7.63E-09	3.30E-07	3.64E-08	8.06E-10	3.72E-08
2501	438377.09	3724717.57	3.09E-07	7.62E-09	3.17E-07	6.33E-08	1.66E-09	6.50E-08	3.31E-07	7.83E-09	3.39E-07	3.74E-08	8.27E-10	3.82E-08
2502	438383.73	3724730.64	3.17E-07	7.82E-09	3.25E-07	6.49E-08	1.70E-09	6.66E-08	3.39E-07	8.04E-09	3.47E-07	3.83E-08	8.48E-10	3.92E-08
2503	438390.37	3724743.71	3.25E-07	8.02E-09	3.33E-07	6.65E-08	1.74E-09	6.82E-08	3.48E-07	8.24E-09	3.56E-07	3.92E-08	8.70E-10	4.01E-08
2504	438397	3724756.78	3.32E-07	8.22E-09	3.41E-07	6.80E-08	1.79E-09	6.98E-08	3.56E-07	8.44E-09	3.64E-07	4.01E-08	8.91E-10	4.10E-08
2505	438403.64	3724769.85	3.40E-07	8.42E-09	3.48E-07	6.95E-08	1.83E-09	7.14E-08	3.64E-07	8.64E-09	3.72E-07	4.10E-08	9.12E-10	4.19E-08
2506	438410.28	3724782.92	3.47E-07	8.62E-09	3.56E-07	7.10E-08	1.87E-09	7.29E-08	3.71E-07	8.84E-09	3.80E-07	4.18E-08	9.33E-10	4.28E-08
2507	438416.92	3724795.99	3.53E-07	8.77E-09	3.61E-07	7.21E-08	1.91E-09	7.40E-08	3.77E-07	9.01E-09	3.86E-07	4.25E-08	9.51E-10	4.34E-08
2508	438423.55	3724809.06	3.58E-07	8.92E-09	3.66E-07	7.31E-08	1.94E-09	7.51E-08	3.83E-07	9.16E-09	3.92E-07	4.30E-08	9.67E-10	4.40E-08
2509	438430.19	3724822.13	3.64E-07	9.10E-09	3.73E-07	7.44E-08	1.98E-09	7.64E-08	3.89E-07	9.34E-09	3.99E-07	4.38E-08	9.86E-10	4.48E-08
2510	438436.83	3724835.2	3.72E-07	9.32E-09	3.81E-07	7.60E-08	2.03E-09	7.80E-08	3.98E-07	9.57E-09	4.07E-07	4.47E-08	1.01E-09	4.57E-08
2511	438443.47	3724848.27	3.80E-07	9.54E-09	3.89E-07	7.76E-08	2.08E-09	7.97E-08	4.06E-07	9.80E-09	4.16E-07	4.57E-08	1.03E-09	4.67E-08
2512	438450.11	3724861.34	3.89E-07	9.80E-09	3.99E-07	7.95E-08	2.13E-09	8.16E-08	4.16E-07	1.01E-08	4.26E-07	4.68E-08	1.06E-09	4.78E-08
2513	438456.74	3724874.41	3.98E-07	1.01E-08	4.08E-07	8.14E-08	2.19E-09	8.36E-08	4.26E-07	1.03E-08	4.37E-07	4.78E-08	1.09E-09	4.89E-08
2514	438463.38	3724887.49	4.07E-07	1.03E-08	4.18E-07	8.32E-08	2.24E-09	8.54E-08	4.36E-07	1.06E-08	4.46E-07	4.89E-08	1.12E-09	5.00E-08
2515	438470.02	3724900.56	4.17E-07	1.06E-08	4.27E-07	8.51E-08	2.30E-09	8.74E-08	4.46E-07	1.09E-08	4.57E-07	5.00E-08	1.15E-09	5.11E-08
2516	438396.52	3724674.17	2.78E-07	6.91E-09	2.85E-07	5.69E-08	1.51E-09	5.85E-08	2.97E-07	7.14E-09	3.05E-07	3.37E-08	7.55E-10	3.44E-08
2517	438403.17	3724687.26	2.85E-07	7.09E-09	2.92E-07	5.84E-08	1.55E-09	5.99E-08	3.05E-07	7.32E-09	3.12E-07	3.45E-08	7.74E-10	3.53E-08
2518	438409.82	3724700.36	2.92E-07	7.26E-09	2.99E-07	5.98E-08	1.59E-09	6.13E-08	3.12E-07	7.49E-09	3.20E-07	3.53E-08	7.93E-10	3.61E-08
2519	438416.46	3724713.45	2.99E-07	7.44E-09	3.06E-07	6.12E-08	1.63E-09	6.28E-08	3.20E-07	7.68E-09	3.27E-07	3.61E-08	8.12E-10	3.69E-08
2520	438423.11	3724726.54	3.06E-07	7.62E-09	3.13E-07	6.26E-08	1.66E-09	6.42E-08	3.27E-07	7.86E-09	3.35E-07	3.69E-08	8.31E-10	3.78E-08
2521	438429.76	3724739.63	3.12E-07	7.80E-09	3.20E-07	6.39E-08	1.70E-09	6.56E-08	3.34E-07	8.04E-09	3.42E-07	3.77E-08	8.50E-10	3.86E-08
2522	438436.41	3724752.72	3.19E-07	7.98E-09	3.27E-07	6.53E-08	1.74E-09	6.70E-08	3.41E-07	8.22E-09	3.50E-07	3.85E-08	8.69E-10	3.94E-08
2523	438443.06	3724765.81	3.25E-07	8.16E-09	3.33E-07	6.66E-08	1.78E-09	6.84E-08	3.48E-07	8.41E-09	3.57E-07	3.92E-08	8.89E-10	4.01E-08
2524	438449.71	3724778.91	3.31E-07	8.33E-09	3.40E-07	6.78E-08	1.82E-09	6.96E-08	3.55E-07	8.58E-09	3.63E-07	4.00E-08	9.07E-10	4.09E-08
2525	438456.35	3724792	3.37E-07	8.49E-09	3.46E-07	6.90E-08	1.85E-09	7.08E-08	3.61E-07	8.75E-09	3.70E-07	4.06E-08	9.25E-10	4.15E-08
2526	438463	3724805.09	3.43E-07	8.65E-09	3.51E-07	7.01E-08	1.89E-09	7.20E-08	3.67E-07	8.92E-09	3.76E-07	4.13E-08	9.43E-10	4.22E-08
2527	438469.65	3724818.18	3.49E-07	8.82E-09	3.58E-07	7.13E-08	1.93E-09	7.32E-08	3.73E-07	9.09E-09	3.82E-07	4.20E-08	9.62E-10	4.29E-08
2528	438476.3	3724831.27	3.56E-07	9.02E-09	3.65E-07	7.27E-08	1.97E-09	7.47E-08	3.81E-07	9.30E-09	3.90E-07	4.28E-08	9.84E-10	4.38E-08
2529	438482.95	3724844.36	3.63E-07	9.22E-09	3.72E-07	7.42E-08	2.02E-09	7.62E-08	3.88E-07	9.52E-09	3.98E-07	4.37E-08	1.01E-09	4.47E-08
2530	438489.59	3724857.45	3.71E-07	9.46E-09	3.81E-07	7.59E-08	2.07E-09	7.80E-08	3.97E-07	9.76E-09	4.07E-07	4.46E-08	1.03E-09	4.57E-08
2531	438496.24	3724870.55	3.79E-07	9.68E-09	3.89E-07	7.75E-08	2.12E-09	7.96E-08	4.06E-07	9.99E-09	4.16E-07	4.56E-08	1.06E-09	4.66E-08
2532	437835.23	3725488.94	9.91E-06	2.45E-07	1.02E-05	2.00E-06	5.10E-08	2.05E-06	1.06E-05	2.41E-07	1.08E-05	1.15E-06	2.49E-08	1.18E-06
2533	437840.76	3725481.72	9.86E-06	2.39E-07	1.01E-05	1.99E-06	4.91E-08	2.04E-06	1.05E-05	2.31E-07	1.07E-05	1.14E-06	2.38E-08	1.17E-06
2534	437882.86	3725525.43	6.18E-06	1.62E-07	6.34E-06	1.25E-06	3.47E-08	1.29E-06	6.60E-06	1.64E-07	6.76E-06	7.24E-07	1.72E-08	7.41E-07
2535	437898.73	3725537.59	5.37E-06	1.42E-07	5.52E-06	1.09E-06	3.07E-08	1.12E-06	5.74E-06	1.45E-07	5.88E-06	6.31E-07	1.53E-08	6.46E-07
2536	438198.68	3725721.59	1.15E-06	3.29E-08	1.19E-06	2.36E-07	7.40E-09	2.43E-07	1.23E-06	3.50E-08	1.27E-06	1.38E-07	3.75E-09	1.42E-07
2537	438222.49	3725739.84	1.06E-06	3.03E-08	1.09E-06	2.16E-07	6.83E-09	2.23E-07	1.13E-06	3.23E-08	1.16E-06	1.27E-07	3.46E-09	1.30E-07

2538	438280.47	3725795.71	8.59E-07	2.49E-08	8.84E-07	1.75E-07	5.64E-09	1.81E-07	9.18E-07	2.67E-08	9.45E-07	1.03E-07	2.86E-09	1.06E-07
2539	437841.17	3725401.38	1.35E-05	2.70E-07	1.38E-05	2.71E-06	4.92E-08	2.76E-06	1.44E-05	2.31E-07	1.46E-05	1.54E-06	2.25E-08	1.56E-06
2540	437860.69	3725405.49	1.09E-05	2.24E-07	1.11E-05	2.18E-06	4.19E-08	2.22E-06	1.16E-05	1.97E-07	1.18E-05	1.24E-06	1.94E-08	1.26E-06
2541	437899.8	3725413.59	7.41E-06	1.61E-07	7.57E-06	1.49E-06	3.14E-08	1.52E-06	7.90E-06	1.48E-07	8.05E-06	8.52E-07	1.48E-08	8.66E-07
2542	437916.01	3725425.02	6.34E-06	1.42E-07	6.48E-06	1.28E-06	2.82E-08	1.30E-06	6.76E-06	1.33E-07	6.89E-06	7.31E-07	1.34E-08	7.45E-07
2543	437922.73	3725410.18	6.17E-06	1.37E-07	6.30E-06	1.24E-06	2.69E-08	1.27E-06	6.57E-06	1.27E-07	6.70E-06	7.11E-07	1.28E-08	7.24E-07
2544	437926.03	3725393.66	6.20E-06	1.35E-07	6.33E-06	1.25E-06	2.63E-08	1.27E-06	6.60E-06	1.24E-07	6.73E-06	7.13E-07	1.24E-08	7.25E-07
2545	437938.95	3725421.59	5.41E-06	1.23E-07	5.53E-06	1.09E-06	2.46E-08	1.11E-06	5.77E-06	1.16E-07	5.88E-06	6.25E-07	1.18E-08	6.37E-07
2546	437932.15	3725436.59	5.54E-06	1.28E-07	5.66E-06	1.12E-06	2.57E-08	1.14E-06	5.90E-06	1.21E-07	6.02E-06	6.41E-07	1.24E-08	6.53E-07
2547	437955.11	3725433.13	4.79E-06	1.12E-07	4.90E-06	9.66E-07	2.27E-08	9.89E-07	5.11E-06	1.07E-07	5.22E-06	5.56E-07	1.09E-08	5.67E-07
2548	437948.26	3725448.25	4.88E-06	1.15E-07	4.99E-06	9.84E-07	2.35E-08	1.01E-06	5.20E-06	1.11E-07	5.31E-06	5.66E-07	1.14E-08	5.78E-07
2549	437964.32	3725459.99	4.31E-06	1.04E-07	4.42E-06	8.71E-07	2.15E-08	8.93E-07	4.60E-06	1.01E-07	4.70E-06	5.02E-07	1.05E-08	5.13E-07
2550	437980.36	3725471.79	3.82E-06	9.39E-08	3.92E-06	7.73E-07	1.96E-08	7.92E-07	4.08E-06	9.25E-08	4.17E-06	4.46E-07	9.59E-09	4.56E-07
2551	437991.37	3725494.71	3.44E-06	8.65E-08	3.53E-06	6.96E-07	1.83E-08	7.15E-07	3.67E-06	8.64E-08	3.76E-06	4.03E-07	9.01E-09	4.12E-07
2552	438037.11	3725440.96	2.95E-06	7.26E-08	3.02E-06	5.96E-07	1.52E-08	6.12E-07	3.15E-06	7.19E-08	3.22E-06	3.45E-07	7.47E-09	3.53E-07
2553	438030.52	3725455.51	2.99E-06	7.42E-08	3.06E-06	6.05E-07	1.56E-08	6.21E-07	3.19E-06	7.36E-08	3.27E-06	3.50E-07	7.66E-09	3.58E-07
2554	438023.92	3725470.07	3.02E-06	7.56E-08	3.10E-06	6.12E-07	1.60E-08	6.28E-07	3.23E-06	7.53E-08	3.30E-06	3.55E-07	7.85E-09	3.62E-07
2555	438017.33	3725484.62	3.05E-06	7.68E-08	3.13E-06	6.18E-07	1.63E-08	6.34E-07	3.26E-06	7.68E-08	3.33E-06	3.58E-07	8.02E-09	3.66E-07
2556	438010.73	3725499.17	3.08E-06	7.81E-08	3.15E-06	6.23E-07	1.66E-08	6.39E-07	3.28E-06	7.84E-08	3.36E-06	3.61E-07	8.19E-09	3.69E-07
2557	438004.14	3725513.72	3.10E-06	7.95E-08	3.18E-06	6.29E-07	1.70E-08	6.46E-07	3.31E-06	8.01E-08	3.39E-06	3.65E-07	8.39E-09	3.73E-07
2558	438042.06	3725425.43	2.93E-06	7.16E-08	3.00E-06	5.92E-07	1.49E-08	6.07E-07	3.12E-06	7.05E-08	3.20E-06	3.43E-07	7.32E-09	3.50E-07
2559	438062.98	3725454.68	2.54E-06	6.39E-08	2.60E-06	5.14E-07	1.35E-08	5.27E-07	2.71E-06	6.39E-08	2.77E-06	2.98E-07	6.68E-09	3.05E-07
2560	438056.13	3725469.8	2.57E-06	6.52E-08	2.64E-06	5.22E-07	1.39E-08	5.35E-07	2.75E-06	6.54E-08	2.81E-06	3.02E-07	6.84E-09	3.09E-07
2561	438049.27	3725484.92	2.60E-06	6.64E-08	2.67E-06	5.28E-07	1.42E-08	5.42E-07	2.78E-06	6.68E-08	2.85E-06	3.06E-07	7.00E-09	3.13E-07
2562	438042.42	3725500.03	2.63E-06	6.74E-08	2.69E-06	5.32E-07	1.44E-08	5.47E-07	2.80E-06	6.80E-08	2.87E-06	3.09E-07	7.13E-09	3.16E-07
2563	438035.57	3725515.15	2.65E-06	6.85E-08	2.72E-06	5.37E-07	1.47E-08	5.52E-07	2.83E-06	6.94E-08	2.90E-06	3.12E-07	7.28E-09	3.19E-07
2564	438028.72	3725530.27	2.67E-06	6.96E-08	2.74E-06	5.42E-07	1.50E-08	5.57E-07	2.86E-06	7.08E-08	2.93E-06	3.15E-07	7.44E-09	3.22E-07
2565	438018.45	3725552.95	2.71E-06	7.15E-08	2.78E-06	5.50E-07	1.55E-08	5.65E-07	2.89E-06	7.32E-08	2.97E-06	3.20E-07	7.71E-09	3.27E-07
2566	438073.13	3725423.04	2.52E-06	6.24E-08	2.58E-06	5.09E-07	1.31E-08	5.22E-07	2.69E-06	6.20E-08	2.75E-06	2.95E-07	6.46E-09	3.02E-07
2567	438085.79	3725475.13	2.23E-06	5.72E-08	2.28E-06	4.52E-07	1.23E-08	4.64E-07	2.38E-06	5.79E-08	2.44E-06	2.62E-07	6.08E-09	2.68E-07
2568	438079.07	3725489.97	2.25E-06	5.82E-08	2.31E-06	4.57E-07	1.25E-08	4.70E-07	2.41E-06	5.90E-08	2.47E-06	2.66E-07	6.20E-09	2.72E-07
2569	438072.34	3725504.81	2.28E-06	5.91E-08	2.34E-06	4.62E-07	1.27E-08	4.75E-07	2.43E-06	6.01E-08	2.49E-06	2.68E-07	6.32E-09	2.75E-07
2570	438065.61	3725519.65	2.30E-06	5.99E-08	2.36E-06	4.66E-07	1.29E-08	4.79E-07	2.45E-06	6.11E-08	2.51E-06	2.71E-07	6.43E-09	2.77E-07
2571	438058.89	3725534.5	2.31E-06	6.08E-08	2.38E-06	4.70E-07	1.32E-08	4.83E-07	2.47E-06	6.21E-08	2.53E-06	2.73E-07	6.54E-09	2.80E-07
2572	438052.16	3725549.34	2.34E-06	6.18E-08	2.40E-06	4.74E-07	1.34E-08	4.88E-07	2.50E-06	6.33E-08	2.56E-06	2.76E-07	6.68E-09	2.83E-07
2573	438038.71	3725579.03	2.38E-06	6.40E-08	2.45E-06	4.84E-07	1.40E-08	4.98E-07	2.55E-06	6.61E-08	2.61E-06	2.82E-07	6.99E-09	2.89E-07
2574	438111.31	3725489.6	1.97E-06	5.13E-08	2.02E-06	3.99E-07	1.11E-08	4.10E-07	2.10E-06	5.23E-08	2.15E-06	2.32E-07	5.51E-09	2.38E-07
2575	438104.38	3725504.92	1.99E-06	5.23E-08	2.05E-06	4.05E-07	1.13E-08	4.16E-07	2.13E-06	5.34E-08	2.18E-06	2.36E-07	5.63E-09	2.41E-07
2576	438097.44	3725520.23	2.02E-06	5.30E-08	2.07E-06	4.09E-07	1.15E-08	4.21E-07	2.15E-06	5.43E-08	2.21E-06	2.38E-07	5.73E-09	2.44E-07
2577	438090.5	3725535.54	2.03E-06	5.37E-08	2.08E-06	4.12E-07	1.17E-08	4.24E-07	2.17E-06	5.51E-08	2.22E-06	2.40E-07	5.82E-09	2.46E-07
2578	438083.56	3725550.86	2.04E-06	5.44E-08	2.10E-06	4.15E-07	1.18E-08	4.27E-07	2.18E-06	5.60E-08	2.24E-06	2.42E-07	5.91E-09	2.48E-07
2579	438076.62	3725566.17	2.06E-06	5.50E-08	2.11E-06	4.18E-07	1.20E-08	4.30E-07	2.20E-06	5.68E-08	2.25E-06	2.43E-07	6.01E-09	2.49E-07
2580	438127.38	3725524.95	1.78E-06	4.73E-08	1.83E-06	3.62E-07	1.03E-08	3.72E-07	1.90E-06	4.88E-08	1.95E-06	2.11E-07	5.15E-09	2.16E-07
2581	438120.55	3725540.01	1.80E-06	4.81E-08	1.85E-06	3.66E-07	1.05E-08	3.76E-07	1.92E-06	4.96E-08	1.97E-06	2.13E-07	5.24E-09	2.19E-07
2582	438113.73	3725555.07	1.81E-06	4.86E-08	1.86E-06	3.69E-07	1.06E-08	3.79E-07	1.94E-06	5.02E-08	1.99E-06	2.15E-07	5.32E-09	2.20E-07
2583	438106.91	3725570.13	1.83E-06	4.92E-08	1.88E-06	3.72E-07	1.08E-08	3.83E-07	1.95E-06	5.10E-08	2.00E-06	2.17E-07	5.40E-09	2.22E-07
2584	438100.08	3725585.19	1.85E-06	4.99E-08	1.90E-06	3.75E-07	1.10E-08	3.86E-07	1.97E-06	5.18E-08	2.02E-06	2.19E-07	5.49E-09	2.24E-07
2585	438147.14	3725552.13	1.60E-06	4.32E-08	1.65E-06	3.26E-07	9.49E-09	3.36E-07	1.71E-06	4.48E-08	1.76E-06	1.90E-07	4.75E-09	1.95E-07
2586	438140.42	3725566.97	1.62E-06	4.38E-08	1.66E-06	3.30E-07	9.63E-09	3.39E-07	1.73E-06	4.55E-08	1.78E-06	1.92E-07	4.82E-09	1.97E-07
2587	438133.69	3725581.81	1.64E-06	4.46E-08	1.69E-06	3.34E-07	9.81E-09	3.44E-07	1.75E-06	4.63E-08	1.80E-06	1.95E-07	4.92E-09	2.00E-07
2588	438126.97	3725596.66	1.66E-06	4.53E-08	1.71E-06	3.38E-07	9.98E-09	3.48E-07	1.77E-06	4.72E-08	1.82E-06	1.97E-07	5.01E-09	2.02E-07
2589	438120.24	3725611.5	1.67E-06	4.57E-08	1.72E-06	3.40E-07	1.01E-08	3.50E-07	1.78E-06	4.78E-08	1.83E-06	1.98E-07	5.07E-09	2.04E-07
2590	438178.98	3725552.68	1.43E-06	3.87E-08	1.46E-06	2.90E-07	8.52E-09	2.98E-07	1.52E-06	4.02E-08	1.56E-06	1.69E-07	4.27E-09	1.74E-07
2591	438172.08	3725567.9	1.45E-06	3.93E-08	1.48E-06	2.94E-07	8.67E-09	3.03E-07	1.54E-06	4.10E-08	1.59E-06	1.72E-07	4.35E-09	1.76E-07
2592	438165.18	3725583.12	1.46E-06	3.99E-08	1.50E-06	2.98E-07	8.82E-09	3.07E-07	1.56E-06	4.16E-08	1.61E-06	1.74E-07	4.42E-09	1.78E-07
2593	438158.28	3725598.35	1.48E-06	4.05E-08	1.52E-06	3.01E-07	8.96E-09	3.10E-07	1.58E-06	4.23E-08	1.63E-06	1.76E-07	4.50E-09	1.81E-07
2594	438151.38	3725613.57	1.49E-06	4.10E-08	1.53E-06	3.04E-07	9.08E-09	3.13E-07	1.59E-06	4.29E-08	1.64E-06	1.78E-07	4.56E-09	1.82E-07
2595	438144.48	3725628.79	1.50E-06	4.15E-08	1.54E-06	3.06E-07	9.20E-09	3.15E-07	1.61E-06	4.35E-08	1.65E-06	1.79E-07	4.63E-09	1.83E-07
2596	438198.7	3725579.96	1.30E-06	3.57E-08	1.34E-06	2.65E-07	7.90E-09	2.73E-07	1.39E-06	3.73E-08	1.43E-06	1.55E-07	3.97E-09	1.59E-07
2597	438191.89	3725594.98	1.32E-06	3.61E-08	1.35E-06	2.68E-07	8.01E-09	2.76E-07	1.41E-06	3.78E-08	1.44E-06	1.57E-07	4.03E-09	1.61E-07
2598	438185.08	3725610	1.33E-06	3.67E-08	1.37E-06	2.71E-07	8.14E-09	2.79E-07	1.42E-06	3.84E-08	1.46E-06	1.59E-07	4.09E-09	1.63E-07
2599	438178.28	3725625.02	1.34E-06	3.72E-08	1.38E-06	2.74E-07	8.26E-09	2.82E-07	1.44E-06	3.90E-08	1.48E-06	1.60E-07	4.15E-09	1.64E-07
2600	438171.47	3725640.04	1.36E-06	3.76E-08	1.39E-06	2.76E-07	8.37E-09	2.85E-07	1.45E-06	3.96E-08	1.49E-06	1.62E-07	4.22E-09	1.66E-07
2601	438164.66	3725655.06	1.37E-06	3.81E-08	1.40E-06	2.78E-07	8.49E-09	2.87E-07	1.46E-06	4.01E-08	1.50E-06	1.63E-07	4.28E-09	1.67E-07
2602	438225.31	3725592.02	1.18E-06	3.25E-08	1.21E-06	2.40E-07	7.23E-09	2.47E-07	1.26E-06	3.42E-08	1.29E-06	1.41E-07	3.64E-09	1.44E-07
2603	438218.59	3725606.87	1.19E-06	3.30E-08	1.23E-06	2.43E-07	7.34E-09	2.50E-07	1.28E-06	3.47E-08	1.31E-06	1.42E-07	3.69E-09	1.46E-07
2604	438211.86	3725621.71	1.21E-06	3.35E-08	1.24E-06	2.46E-07	7.45E-09	2.53E-07	1.29E-06	3.52E-08	1.33E-06	1.44E-07	3.75E-09	1.48E-07
2605	438205.13	3725636.55	1.22E-06	3.39E-08	1.25E-06	2.48E-07	7.55E-09	2.56E-07	1.30E-06	3.57E-08	1.34E-06	1.46E-07	3.81E-09	1.49E-07
2606	438198.41	3725651.39	1.23E-06	3.43E-08	1.27E-06	2.51E-07	7.66E-09	2.58E-07	1.32E-06	3.62E-08	1.35E-06	1.47E-07	3.86E-09	1.51E-07
2607	438191.68	3725666.24	1.24E-06	3.47E-08	1.28E-06	2.53E-07	7.76E-09	2.61E-07	1.33E-06	3.67E-08	1.36E-06	1.48E-07	3.91E-09	1.52E-07
2608	438275.76	3725480.7	1.06E-06	2.89E-08	1.09E-06	2.16E-07	6.40E-09	2.22E-07	1.13E-06	3.02E-08	1.16E-06	1.26E-07	3.21E-09	1.29E-07
2609	438301.74	3725494.16	9.65E-07	2.66E-08	9.91E-07	1.97E-07	5.91E-09	2.02E-07	1.03E-06	2.79E-08	1.06E-06	1.15E-07	2.97E-09	1.18E-07
2610	438236.47	3725638.2	1.10E-06	3.07E-08	1.13E-06	2.24E-07	6.86E-09	2.31E-07	1.18E-06	3.24E-08	1.21E-06	1.32E-07	3.46E-09	1.35E-07
2611	438229.6	3725653.36	1.11E-06	3.11E-08	1.15E-06	2.27E-07	6.96E-09	2.34E-07	1.19E-06	3.29E-08	1.22E-06	1.33E-07	3.51E-09	1.37E-07
2612	438222.73	3725668.52	1.13E-06	3.16E-08	1.16E-06	2.29E-07	7.06E-09	2.37E-07	1.20E-06	3.34E-08	1.24E-06	1.34E-07	3.56E-09	1.38E-07
2613	438215.86	3725683.69	1.14E-06	3.19E-08	1.17E-06	2.31E-07	7.16E-09	2.39E-07	1.21E-06	3.38E-08	1.25E-06	1.36E-07	3.61E-09	1.39E-07
2614	438306.83	3725478.32	9.57E-07	2.63E-08	9.83E-07	1.95E-07	5.84E-09	2.01E-07	1.02E-06	2.76E-08	1.05E-06	1.14E-07	2.94E-09	1.17E-07

2615	438293.83	3725582.41	9.49E-07	2.65E-08	9.75E-07	1.93E-07	5.92E-09	1.99E-07	1.01E-06	2.80E-08	1.04E-06	1.13E-07	2.98E-09	1.16E-07
2616	438287.04	3725597.4	9.63E-07	2.69E-08	9.90E-07	1.96E-07	6.01E-09	2.02E-07	1.03E-06	2.84E-08	1.06E-06	1.15E-07	3.03E-09	1.18E-07
2617	438280.24	3725612.4	9.74E-07	2.72E-08	1.00E-06	1.99E-07	6.09E-09	2.05E-07	1.04E-06	2.88E-08	1.07E-06	1.16E-07	3.07E-09	1.20E-07
2618	438273.45	3725627.39	9.85E-07	2.76E-08	1.01E-06	2.01E-07	6.16E-09	2.07E-07	1.05E-06	2.91E-08	1.08E-06	1.18E-07	3.11E-09	1.21E-07
2619	438266.65	3725642.38	9.98E-07	2.80E-08	1.03E-06	2.03E-07	6.26E-09	2.10E-07	1.07E-06	2.96E-08	1.10E-06	1.19E-07	3.16E-09	1.22E-07
2620	438259.86	3725657.38	1.01E-06	2.83E-08	1.04E-06	2.06E-07	6.35E-09	2.12E-07	1.08E-06	3.00E-08	1.11E-06	1.21E-07	3.20E-09	1.24E-07
2621	438253.07	3725672.37	1.02E-06	2.87E-08	1.05E-06	2.08E-07	6.44E-09	2.15E-07	1.09E-06	3.04E-08	1.12E-06	1.22E-07	3.25E-09	1.25E-07
2622	438246.27	3725687.36	1.03E-06	2.91E-08	1.06E-06	2.10E-07	6.53E-09	2.17E-07	1.10E-06	3.08E-08	1.13E-06	1.23E-07	3.30E-09	1.27E-07
2623	438239.48	3725702.35	1.04E-06	2.94E-08	1.07E-06	2.12E-07	6.61E-09	2.19E-07	1.11E-06	3.13E-08	1.14E-06	1.25E-07	3.34E-09	1.28E-07
2624	438319.16	3725620.92	8.60E-07	2.42E-08	8.85E-07	1.76E-07	5.43E-09	1.81E-07	9.20E-07	2.57E-08	9.46E-07	1.03E-07	2.75E-09	1.06E-07
2625	438312.32	3725636	8.72E-07	2.45E-08	8.96E-07	1.78E-07	5.51E-09	1.83E-07	9.32E-07	2.60E-08	9.58E-07	1.04E-07	2.78E-09	1.07E-07
2626	438305.49	3725651.07	8.83E-07	2.49E-08	9.08E-07	1.80E-07	5.59E-09	1.86E-07	9.44E-07	2.64E-08	9.71E-07	1.06E-07	2.82E-09	1.09E-07
2627	438298.66	3725666.15	8.94E-07	2.52E-08	9.19E-07	1.82E-07	5.67E-09	1.88E-07	9.56E-07	2.68E-08	9.83E-07	1.07E-07	2.86E-09	1.10E-07
2628	438291.83	3725681.23	9.05E-07	2.56E-08	9.30E-07	1.85E-07	5.74E-09	1.90E-07	9.67E-07	2.71E-08	9.94E-07	1.08E-07	2.90E-09	1.11E-07
2629	438284.99	3725696.31	9.14E-07	2.59E-08	9.40E-07	1.87E-07	5.82E-09	1.92E-07	9.78E-07	2.75E-08	1.01E-06	1.10E-07	2.94E-09	1.12E-07
2630	438278.16	3725711.39	9.23E-07	2.62E-08	9.50E-07	1.88E-07	5.90E-09	1.94E-07	9.87E-07	2.79E-08	1.02E-06	1.11E-07	2.98E-09	1.14E-07
2631	438271.33	3725726.47	9.32E-07	2.65E-08	9.58E-07	1.90E-07	5.97E-09	1.96E-07	9.96E-07	2.82E-08	1.02E-06	1.12E-07	3.02E-09	1.15E-07
2632	438264.49	3725741.55	9.39E-07	2.68E-08	9.66E-07	1.92E-07	6.05E-09	1.98E-07	1.00E-06	2.86E-08	1.03E-06	1.13E-07	3.06E-09	1.16E-07
2633	438351.24	3725644.52	7.74E-07	2.19E-08	7.96E-07	1.58E-07	4.94E-09	1.63E-07	8.28E-07	2.33E-08	8.51E-07	9.29E-08	2.50E-09	9.54E-08
2634	438344.37	3725659.67	7.84E-07	2.22E-08	8.06E-07	1.60E-07	5.00E-09	1.65E-07	8.38E-07	2.36E-08	8.61E-07	9.40E-08	2.53E-09	9.65E-08
2635	438337.5	3725674.83	7.94E-07	2.25E-08	8.16E-07	1.62E-07	5.07E-09	1.67E-07	8.49E-07	2.40E-08	8.73E-07	9.52E-08	2.57E-09	9.78E-08
2636	438330.63	3725689.98	8.04E-07	2.28E-08	8.27E-07	1.64E-07	5.14E-09	1.69E-07	8.60E-07	2.43E-08	8.84E-07	9.65E-08	2.60E-09	9.91E-08
2637	438323.77	3725705.14	8.14E-07	2.31E-08	8.37E-07	1.66E-07	5.22E-09	1.71E-07	8.70E-07	2.47E-08	8.95E-07	9.77E-08	2.64E-09	1.00E-07
2638	438316.9	3725720.29	8.23E-07	2.34E-08	8.47E-07	1.68E-07	5.29E-09	1.73E-07	8.80E-07	2.50E-08	9.05E-07	9.88E-08	2.68E-09	1.01E-07
2639	438310.03	3725735.45	8.30E-07	2.37E-08	8.54E-07	1.69E-07	5.35E-09	1.75E-07	8.88E-07	2.53E-08	9.13E-07	9.96E-08	2.71E-09	1.02E-07
2640	438303.16	3725750.6	8.37E-07	2.39E-08	8.61E-07	1.71E-07	5.41E-09	1.76E-07	8.95E-07	2.56E-08	9.20E-07	1.00E-07	2.74E-09	1.03E-07
2641	438296.3	3725765.76	8.44E-07	2.42E-08	8.68E-07	1.72E-07	5.48E-09	1.78E-07	9.03E-07	2.59E-08	9.29E-07	1.01E-07	2.78E-09	1.04E-07
2642	438386.73	3725660.58	6.97E-07	1.99E-08	7.17E-07	1.42E-07	4.48E-09	1.47E-07	7.45E-07	2.12E-08	7.66E-07	8.37E-08	2.27E-09	8.60E-08
2643	438379.84	3725675.81	7.05E-07	2.01E-08	7.26E-07	1.44E-07	4.54E-09	1.49E-07	7.54E-07	2.15E-08	7.76E-07	8.47E-08	2.30E-09	8.70E-08
2644	438372.94	3725691.03	7.14E-07	2.03E-08	7.34E-07	1.46E-07	4.59E-09	1.50E-07	7.63E-07	2.17E-08	7.85E-07	8.57E-08	2.33E-09	8.80E-08
2645	438366.04	3725706.25	7.23E-07	2.06E-08	7.43E-07	1.48E-07	4.66E-09	1.52E-07	7.73E-07	2.20E-08	7.95E-07	8.68E-08	2.36E-09	8.91E-08
2646	438359.14	3725721.48	7.31E-07	2.09E-08	7.52E-07	1.49E-07	4.72E-09	1.54E-07	7.82E-07	2.23E-08	8.04E-07	8.78E-08	2.39E-09	9.02E-08
2647	438352.24	3725736.7	7.40E-07	2.12E-08	7.61E-07	1.51E-07	4.78E-09	1.56E-07	7.91E-07	2.26E-08	8.14E-07	8.89E-08	2.42E-09	9.13E-08
2648	438345.34	3725751.93	7.48E-07	2.14E-08	7.69E-07	1.53E-07	4.85E-09	1.58E-07	8.00E-07	2.29E-08	8.23E-07	8.99E-08	2.46E-09	9.23E-08
2649	438338.44	3725767.15	7.55E-07	2.17E-08	7.77E-07	1.54E-07	4.91E-09	1.59E-07	8.08E-07	2.32E-08	8.31E-07	9.08E-08	2.49E-09	9.33E-08
2650	438331.54	3725782.37	7.62E-07	2.19E-08	7.84E-07	1.56E-07	4.97E-09	1.61E-07	8.14E-07	2.35E-08	8.38E-07	9.15E-08	2.52E-09	9.41E-08
2651	438467.25	3725577.29	5.83E-07	1.67E-08	6.00E-07	1.19E-07	3.79E-09	1.23E-07	6.24E-07	1.79E-08	6.42E-07	7.02E-08	1.92E-09	7.21E-08
2652	438411.84	3725699.58	6.43E-07	1.84E-08	6.62E-07	1.31E-07	4.17E-09	1.36E-07	6.88E-07	1.97E-08	7.07E-07	7.73E-08	2.12E-09	7.95E-08
2653	438404.91	3725714.86	6.52E-07	1.87E-08	6.70E-07	1.33E-07	4.23E-09	1.37E-07	6.97E-07	2.00E-08	7.17E-07	7.83E-08	2.14E-09	8.05E-08
2654	438397.99	3725730.15	6.60E-07	1.89E-08	6.78E-07	1.35E-07	4.28E-09	1.39E-07	7.05E-07	2.02E-08	7.26E-07	7.93E-08	2.17E-09	8.15E-08
2655	438391.06	3725745.43	6.67E-07	1.91E-08	6.86E-07	1.36E-07	4.34E-09	1.41E-07	7.13E-07	2.05E-08	7.34E-07	8.02E-08	2.20E-09	8.24E-08
2656	438384.13	3725760.72	6.74E-07	1.94E-08	6.93E-07	1.38E-07	4.39E-09	1.42E-07	7.21E-07	2.07E-08	7.41E-07	8.10E-08	2.23E-09	8.33E-08
2657	438377.21	3725776.01	6.81E-07	1.96E-08	7.00E-07	1.39E-07	4.44E-09	1.43E-07	7.28E-07	2.10E-08	7.49E-07	8.18E-08	2.25E-09	8.41E-08
2658	438370.28	3725791.29	6.87E-07	1.98E-08	7.07E-07	1.40E-07	4.49E-09	1.45E-07	7.34E-07	2.12E-08	7.56E-07	8.26E-08	2.28E-09	8.49E-08
2659	438363.35	3725806.58	6.93E-07	2.00E-08	7.13E-07	1.42E-07	4.55E-09	1.46E-07	7.41E-07	2.15E-08	7.63E-07	8.34E-08	2.31E-09	8.57E-08
2660	438492.48	3725616.01	5.42E-07	1.56E-08	5.58E-07	1.11E-07	3.55E-09	1.14E-07	5.80E-07	1.68E-08	5.97E-07	6.53E-08	1.80E-09	6.71E-08
2661	438443.82	3725723.4	5.90E-07	1.70E-08	6.07E-07	1.21E-07	3.85E-09	1.24E-07	6.31E-07	1.82E-08	6.49E-07	7.10E-08	1.95E-09	7.29E-08
2662	438436.87	3725738.74	5.97E-07	1.72E-08	6.14E-07	1.22E-07	3.90E-09	1.26E-07	6.38E-07	1.84E-08	6.56E-07	7.18E-08	1.98E-09	7.38E-08
2663	438429.92	3725754.08	6.03E-07	1.74E-08	6.21E-07	1.23E-07	3.94E-09	1.27E-07	6.45E-07	1.86E-08	6.64E-07	7.26E-08	2.00E-09	7.46E-08
2664	438422.96	3725769.43	6.10E-07	1.76E-08	6.28E-07	1.25E-07	3.99E-09	1.29E-07	6.53E-07	1.89E-08	6.72E-07	7.35E-08	2.03E-09	7.55E-08
2665	438416.01	3725784.77	6.17E-07	1.78E-08	6.35E-07	1.26E-07	4.05E-09	1.30E-07	6.60E-07	1.91E-08	6.79E-07	7.43E-08	2.05E-09	7.64E-08
2666	438409.06	3725800.11	6.24E-07	1.80E-08	6.42E-07	1.27E-07	4.10E-09	1.32E-07	6.67E-07	1.94E-08	6.86E-07	7.51E-08	2.08E-09	7.72E-08
2667	438402.11	3725815.45	6.29E-07	1.82E-08	6.47E-07	1.29E-07	4.14E-09	1.33E-07	6.73E-07	1.96E-08	6.92E-07	7.58E-08	2.10E-09	7.79E-08
2668	438395.15	3725830.79	6.34E-07	1.84E-08	6.52E-07	1.30E-07	4.19E-09	1.34E-07	6.78E-07	1.98E-08	6.97E-07	7.63E-08	2.13E-09	7.84E-08
2669	438474.41	3725750.28	5.44E-07	1.57E-08	5.60E-07	1.11E-07	3.58E-09	1.15E-07	5.82E-07	1.69E-08	5.99E-07	6.56E-08	1.82E-09	6.74E-08
2670	438467.59	3725765.34	5.50E-07	1.59E-08	5.66E-07	1.13E-07	3.62E-09	1.16E-07	5.89E-07	1.71E-08	6.06E-07	6.63E-08	1.84E-09	6.81E-08
2671	438460.77	3725780.4	5.56E-07	1.61E-08	5.72E-07	1.14E-07	3.65E-09	1.17E-07	5.94E-07	1.73E-08	6.12E-07	6.70E-08	1.86E-09	6.88E-08
2672	437812.9	3725342.69	2.31E-05	3.99E-07	2.35E-05	4.60E-06	6.41E-08	4.67E-06	2.46E-05	3.00E-07	2.49E-05	2.59E-06	2.70E-08	2.62E-06
2673	437869.33	3725369.35	1.07E-05	2.11E-07	1.09E-05	2.14E-06	3.81E-08	2.18E-06	1.14E-05	1.79E-07	1.16E-05	1.22E-06	1.73E-08	1.23E-06
2674	437910.19	3725367.35	7.36E-06	1.53E-07	7.52E-06	1.48E-06	2.87E-08	1.51E-06	7.85E-06	1.35E-07	7.98E-06	8.43E-07	1.33E-08	8.56E-07
2675	437951.05	3725365.36	5.44E-06	1.18E-07	5.56E-06	1.09E-06	2.28E-08	1.12E-06	5.80E-06	1.07E-07	5.91E-06	6.27E-07	1.08E-08	6.38E-07
2676	437966.62	3725394.01	4.74E-06	1.07E-07	4.85E-06	9.55E-07	2.13E-08	9.77E-07	5.06E-06	1.01E-07	5.16E-06	5.49E-07	1.02E-08	5.59E-07
2677	437970.79	3725368.59	4.76E-06	1.05E-07	4.87E-06	9.59E-07	2.07E-08	9.80E-07	5.08E-06	9.76E-08	5.18E-06	5.50E-07	9.85E-09	5.60E-07
2678	438044.64	3725412.07	2.94E-06	7.12E-08	3.01E-06	5.94E-07	1.48E-08	6.09E-07	3.14E-06	6.99E-08	3.21E-06	3.43E-07	7.24E-09	3.51E-07
2679	438046.95	3725398.49	2.95E-06	7.10E-08	3.02E-06	5.97E-07	1.47E-08	6.12E-07	3.15E-06	6.94E-08	3.22E-06	3.45E-07	7.17E-09	3.52E-07
2680	438049.73	3725381.54	2.97E-06	7.05E-08	3.04E-06	5.99E-07	1.45E-08	6.14E-07	3.16E-06	6.85E-08	3.23E-06	3.46E-07	7.06E-09	3.53E-07
2681	438075.17	3725411.82	2.52E-06	6.22E-08	2.59E-06	5.11E-07	1.31E-08	5.24E-07	2.69E-06	6.17E-08	2.76E-06	2.96E-07	6.42E-09	3.02E-07
2682	438077.95	3725394.87	2.53E-06	6.18E-08	2.59E-06	5.12E-07	1.29E-08	5.25E-07	2.70E-06	6.10E-08	2.76E-06	2.96E-07	6.33E-09	3.03E-07
2683	438103.66	3725422.8	2.17E-06	5.48E-08	2.23E-06	4.41E-07	1.16E-08	4.52E-07	2.32E-06	5.49E-08	2.38E-06	2.56E-07	5.74E-09	2.61E-07
2684	438106.16	3725408.2	2.18E-06	5.46E-08	2.24E-06	4.42E-07	1.16E-08	4.54E-07	2.33E-06	5.45E-08	2.38E-06	2.56E-07	5.69E-09	2.62E-07
2685	438108.94	3725391.26	2.18E-06	5.42E-08	2.24E-06	4.42E-07	1.14E-08	4.54E-07	2.33E-06	5.39E-08	2.38E-06	2.56E-07	5.62E-09	2.62E-07
2686	438137.16	3725404.59	1.90E-06	4.81E-08	1.95E-06	3.85E-07	1.03E-08	3.95E-07	2.03E-06	4.84E-08	2.07E-06	2.24E-07	5.07E-09	2.29E-07
2687	438168.15	3725400.97	1.66E-06	4.25E-08	1.70E-06	3.36E-07	9.14E-09	3.46E-07	1.77E-06	4.31E-08	1.81E-06	1.96E-07	4.53E-09	2.00E-07
2688	437833.41	3725344.43	1.72E-05	3.09E-07	1.75E-05	3.43E-06	5.15E-08	3.48E-06	1.83E-05	2.41E-07	1.86E-05	1.94E-06	2.23E-08	1.96E-06
2689	437889.05	3725368.72	8.77E-06	1.77E-07	8.95E-06	1.76E-06	3.28E-08	1.79E-06	9.35E-06	1.54E-07	9.50E-06	1.00E-06	1.51E-08	1.02E-06
2690	438007.44	3725390.39	3.71E-06	8.63E-08	3.80E-06	7.50E-07	1.75E-08	7.67E-07	3.96E-06	8.26E-08	4.04E-06	4.32E-07	8.47E-09	4.40E-07
2691	437916.95	3725342.6	7.26E-06	1.47E-07	7.40E-06	1.46E-06	2.73E-08	1.48E-06	7.73E-06	1.28E-07	7.86E-06	8.29E-07	1.26E-08	8.42E-07

2692	437957.74	3725345.41	5.32E-06	1.13E-07	5.43E-06	1.07E-06	2.18E-08	1.09E-06	5.67E-06	1.03E-07	5.77E-06	6.12E-07	1.02E-08	6.22E-07
2693	437979.3	3725342.74	4.60E-06	1.00E-07	4.70E-06	9.26E-07	1.95E-08	9.45E-07	4.90E-06	9.18E-08	4.99E-06	5.31E-07	9.23E-09	5.40E-07
2694	438013.11	3725370.02	3.66E-06	8.41E-08	3.75E-06	7.39E-07	1.70E-08	7.56E-07	3.91E-06	7.99E-08	3.99E-06	4.26E-07	8.16E-09	4.34E-07
2695	438034.67	3725367.35	3.26E-06	7.58E-08	3.33E-06	6.58E-07	1.54E-08	6.73E-07	3.48E-06	7.28E-08	3.55E-06	3.79E-07	7.46E-09	3.87E-07
2696	438058.56	3725356.53	2.89E-06	6.78E-08	2.95E-06	5.83E-07	1.39E-08	5.97E-07	3.08E-06	6.55E-08	3.15E-06	3.37E-07	6.73E-09	3.43E-07
2697	438113.93	3725381.14	2.15E-06	5.30E-08	2.20E-06	4.35E-07	1.12E-08	4.46E-07	2.29E-06	5.27E-08	2.34E-06	2.52E-07	5.49E-09	2.57E-07
2698	438142.78	3725389.37	1.87E-06	4.70E-08	1.91E-06	3.78E-07	1.00E-08	3.88E-07	1.99E-06	4.73E-08	2.04E-06	2.20E-07	4.95E-09	2.25E-07
2699	437863.61	3725276.91	1.17E-05	2.08E-07	1.19E-05	2.34E-06	3.45E-08	2.38E-06	1.25E-05	1.62E-07	1.26E-05	1.32E-06	1.49E-08	1.34E-06
2700	437899.21	3725260.63	8.11E-06	1.50E-07	8.26E-06	1.62E-06	2.59E-08	1.65E-06	8.64E-06	1.22E-07	8.76E-06	9.21E-07	1.15E-08	9.33E-07
2701	437918.14	3725263.26	7.01E-06	1.33E-07	7.14E-06	1.40E-06	2.35E-08	1.43E-06	7.47E-06	1.11E-07	7.58E-06	7.99E-07	1.06E-08	8.09E-07
2702	437996.16	3725295.49	4.16E-06	8.84E-08	4.25E-06	8.38E-07	1.71E-08	8.55E-07	4.44E-06	8.03E-08	4.52E-06	4.80E-07	8.03E-09	4.88E-07
2703	438016.21	3725308.76	3.69E-06	8.09E-08	3.78E-06	7.44E-07	1.59E-08	7.60E-07	3.94E-06	7.49E-08	4.02E-06	4.28E-07	7.55E-09	4.35E-07
2704	438017.18	3725317.96	3.68E-06	8.11E-08	3.76E-06	7.41E-07	1.60E-08	7.57E-07	3.92E-06	7.54E-08	4.00E-06	4.26E-07	7.63E-09	4.33E-07
2705	438018.15	3725327.16	3.65E-06	8.13E-08	3.73E-06	7.37E-07	1.61E-08	7.53E-07	3.90E-06	7.59E-08	3.97E-06	4.23E-07	7.69E-09	4.31E-07
2706	438019.12	3725336.36	3.62E-06	8.12E-08	3.70E-06	7.30E-07	1.62E-08	7.46E-07	3.86E-06	7.62E-08	3.94E-06	4.20E-07	7.74E-09	4.28E-07
2707	438032.65	3725287.72	3.33E-06	7.30E-08	3.41E-06	6.72E-07	1.44E-08	6.87E-07	3.56E-06	6.77E-08	3.62E-06	3.86E-07	6.84E-09	3.93E-07
2708	438033.6	3725296.77	3.33E-06	7.34E-08	3.40E-06	6.71E-07	1.45E-08	6.86E-07	3.55E-06	6.84E-08	3.62E-06	3.86E-07	6.92E-09	3.93E-07
2709	438034.56	3725305.81	3.32E-06	7.37E-08	3.39E-06	6.69E-07	1.46E-08	6.84E-07	3.54E-06	6.89E-08	3.61E-06	3.85E-07	6.99E-09	3.92E-07
2710	438035.51	3725314.86	3.30E-06	7.40E-08	3.38E-06	6.67E-07	1.47E-08	6.81E-07	3.52E-06	6.94E-08	3.59E-06	3.83E-07	7.05E-09	3.91E-07
2711	438055.74	3725329.78	2.94E-06	6.77E-08	3.01E-06	5.94E-07	1.37E-08	6.08E-07	3.14E-06	6.46E-08	3.20E-06	3.42E-07	6.61E-09	3.49E-07
2712	438056.68	3725338.69	2.93E-06	6.78E-08	2.99E-06	5.91E-07	1.38E-08	6.05E-07	3.12E-06	6.50E-08	3.19E-06	3.41E-07	6.66E-09	3.47E-07
2713	438083.58	3725328.43	2.54E-06	5.96E-08	2.60E-06	5.13E-07	1.22E-08	5.25E-07	2.71E-06	5.76E-08	2.77E-06	2.96E-07	5.93E-09	3.02E-07
2714	438084.53	3725337.51	2.52E-06	5.97E-08	2.58E-06	5.10E-07	1.23E-08	5.23E-07	2.69E-06	5.79E-08	2.75E-06	2.95E-07	5.97E-09	3.01E-07
2715	438085.49	3725346.59	2.51E-06	5.97E-08	2.57E-06	5.08E-07	1.23E-08	5.20E-07	2.68E-06	5.81E-08	2.74E-06	2.93E-07	6.00E-09	2.99E-07
2716	438086.45	3725355.67	2.49E-06	5.97E-08	2.55E-06	5.04E-07	1.24E-08	5.16E-07	2.66E-06	5.83E-08	2.72E-06	2.91E-07	6.02E-09	2.97E-07
2717	438110.62	3725319.48	2.22E-06	5.29E-08	2.28E-06	4.50E-07	1.09E-08	4.61E-07	2.37E-06	5.16E-08	2.42E-06	2.60E-07	5.33E-09	2.66E-07
2718	438111.56	3725328.4	2.21E-06	5.29E-08	2.26E-06	4.47E-07	1.10E-08	4.58E-07	2.36E-06	5.17E-08	2.41E-06	2.59E-07	5.35E-09	2.64E-07
2719	438113.44	3725346.23	2.18E-06	5.28E-08	2.23E-06	4.42E-07	1.10E-08	4.53E-07	2.33E-06	5.20E-08	2.38E-06	2.56E-07	5.39E-09	2.61E-07
2720	438137.47	3725308.76	1.95E-06	4.70E-08	2.00E-06	3.95E-07	9.79E-09	4.05E-07	2.08E-06	4.62E-08	2.13E-06	2.29E-07	4.78E-09	2.34E-07
2721	438138.42	3725317.82	1.94E-06	4.70E-08	1.99E-06	3.93E-07	9.82E-09	4.03E-07	2.07E-06	4.63E-08	2.12E-06	2.28E-07	4.81E-09	2.33E-07
2722	438139.38	3725326.88	1.93E-06	4.70E-08	1.98E-06	3.91E-07	9.85E-09	4.01E-07	2.06E-06	4.65E-08	2.11E-06	2.27E-07	4.83E-09	2.32E-07
2723	438140.33	3725335.93	1.92E-06	4.70E-08	1.97E-06	3.89E-07	9.87E-09	3.99E-07	2.05E-06	4.66E-08	2.10E-06	2.26E-07	4.85E-09	2.31E-07
2724	438164.28	3725297.65	1.72E-06	4.19E-08	1.76E-06	3.49E-07	8.78E-09	3.58E-07	1.84E-06	4.14E-08	1.88E-06	2.02E-07	4.31E-09	2.07E-07
2725	438165.25	3725306.83	1.71E-06	4.20E-08	1.76E-06	3.47E-07	8.82E-09	3.56E-07	1.83E-06	4.16E-08	1.87E-06	2.02E-07	4.33E-09	2.06E-07
2726	438166.21	3725316.01	1.71E-06	4.20E-08	1.75E-06	3.46E-07	8.85E-09	3.55E-07	1.82E-06	4.17E-08	1.86E-06	2.01E-07	4.35E-09	2.05E-07
2727	438167.18	3725325.19	1.70E-06	4.20E-08	1.74E-06	3.44E-07	8.87E-09	3.53E-07	1.81E-06	4.18E-08	1.85E-06	2.00E-07	4.36E-09	2.04E-07
2728	438172.99	3725380.26	1.64E-06	4.18E-08	1.68E-06	3.33E-07	8.94E-09	3.42E-07	1.75E-06	4.22E-08	1.79E-06	1.93E-07	4.43E-09	1.98E-07
2729	438194.23	3725316.33	1.52E-06	3.79E-08	1.55E-06	3.08E-07	8.05E-09	3.16E-07	1.62E-06	3.80E-08	1.66E-06	1.79E-07	3.97E-09	1.83E-07
2730	438199.95	3725370.55	1.47E-06	3.76E-08	1.50E-06	2.98E-07	8.10E-09	3.06E-07	1.57E-06	3.82E-08	1.60E-06	1.73E-07	4.02E-09	1.77E-07
2731	438200.9	3725379.59	1.46E-06	3.76E-08	1.49E-06	2.96E-07	8.10E-09	3.04E-07	1.56E-06	3.82E-08	1.59E-06	1.72E-07	4.02E-09	1.76E-07
2732	438201.85	3725388.63	1.45E-06	3.75E-08	1.48E-06	2.94E-07	8.09E-09	3.02E-07	1.55E-06	3.82E-08	1.58E-06	1.71E-07	4.02E-09	1.75E-07
2733	438226.83	3725360.17	1.32E-06	3.42E-08	1.35E-06	2.68E-07	7.38E-09	2.76E-07	1.41E-06	3.48E-08	1.45E-06	1.56E-07	3.67E-09	1.60E-07
2734	438227.8	3725369.31	1.31E-06	3.41E-08	1.35E-06	2.66E-07	7.37E-09	2.74E-07	1.40E-06	3.48E-08	1.44E-06	1.55E-07	3.67E-09	1.59E-07
2735	438228.76	3725378.46	1.30E-06	3.40E-08	1.34E-06	2.65E-07	7.36E-09	2.72E-07	1.39E-06	3.48E-08	1.43E-06	1.54E-07	3.67E-09	1.58E-07
2736	438229.73	3725387.6	1.29E-06	3.39E-08	1.33E-06	2.63E-07	7.35E-09	2.70E-07	1.38E-06	3.47E-08	1.42E-06	1.53E-07	3.66E-09	1.57E-07
2737	438254.8	3725359.99	1.19E-06	3.11E-08	1.22E-06	2.42E-07	6.76E-09	2.49E-07	1.27E-06	3.19E-08	1.30E-06	1.41E-07	3.37E-09	1.44E-07
2738	438255.75	3725369.01	1.18E-06	3.10E-08	1.21E-06	2.40E-07	6.75E-09	2.47E-07	1.26E-06	3.19E-08	1.29E-06	1.40E-07	3.37E-09	1.44E-07
2739	438256.7	3725378.03	1.17E-06	3.09E-08	1.21E-06	2.39E-07	6.74E-09	2.46E-07	1.25E-06	3.18E-08	1.29E-06	1.39E-07	3.37E-09	1.43E-07
2740	438257.65	3725387.05	1.17E-06	3.08E-08	1.20E-06	2.37E-07	6.73E-09	2.44E-07	1.25E-06	3.18E-08	1.28E-06	1.39E-07	3.36E-09	1.42E-07
2741	438258.6	3725396.07	1.16E-06	3.08E-08	1.19E-06	2.36E-07	6.73E-09	2.43E-07	1.24E-06	3.18E-08	1.27E-06	1.38E-07	3.36E-09	1.41E-07
2742	438285.51	3725385.87	1.06E-06	2.82E-08	1.09E-06	2.15E-07	6.19E-09	2.22E-07	1.13E-06	2.92E-08	1.16E-06	1.26E-07	3.10E-09	1.29E-07
2743	438286.47	3725394.99	1.05E-06	2.82E-08	1.08E-06	2.14E-07	6.19E-09	2.20E-07	1.13E-06	2.92E-08	1.15E-06	1.25E-07	3.10E-09	1.28E-07
2744	438472.37	3724891.05	4.07E-07	1.03E-08	4.17E-07	8.31E-08	2.25E-09	8.54E-08	4.35E-07	1.06E-08	4.46E-07	4.89E-08	1.12E-09	5.00E-08
2745	438507.71	3724872.3	3.76E-07	9.62E-09	3.85E-07	7.67E-08	2.11E-09	7.88E-08	4.02E-07	9.94E-09	4.12E-07	4.51E-08	1.05E-09	4.62E-08
2746	438503.36	3724864.11	3.71E-07	9.49E-09	3.81E-07	7.59E-08	2.08E-09	7.79E-08	3.97E-07	9.81E-09	4.07E-07	4.46E-08	1.04E-09	4.57E-08
2747	438499.02	3724855.92	3.67E-07	9.36E-09	3.76E-07	7.49E-08	2.05E-09	7.70E-08	3.92E-07	9.67E-09	4.02E-07	4.41E-08	1.02E-09	4.51E-08
2748	438494.67	3724847.74	3.62E-07	9.22E-09	3.71E-07	7.40E-08	2.02E-09	7.60E-08	3.87E-07	9.53E-09	3.97E-07	4.35E-08	1.01E-09	4.45E-08
2749	438534.35	3724837.17	3.41E-07	8.79E-09	3.50E-07	6.97E-08	1.93E-09	7.17E-08	3.65E-07	9.12E-09	3.74E-07	4.11E-08	9.66E-10	4.20E-08
2750	438530	3724828.98	3.37E-07	8.68E-09	3.46E-07	6.90E-08	1.91E-09	7.09E-08	3.61E-07	9.00E-09	3.70E-07	4.06E-08	9.54E-10	4.16E-08
2751	438565.34	3724810.23	3.13E-07	8.13E-09	3.21E-07	6.41E-08	1.79E-09	6.59E-08	3.35E-07	8.47E-09	3.44E-07	3.77E-08	8.99E-10	3.86E-08
2752	438160.56	3724648.18	2.54E-07	6.04E-09	2.60E-07	5.23E-08	1.32E-09	5.37E-08	2.73E-07	6.22E-09	2.79E-07	3.11E-08	6.58E-10	3.18E-08
2753	438152.81	3724642.85	2.49E-07	5.91E-09	2.55E-07	5.13E-08	1.29E-09	5.25E-08	2.67E-07	6.10E-09	2.73E-07	3.05E-08	6.45E-10	3.11E-08
2754	438145.05	3724637.52	2.43E-07	5.78E-09	2.49E-07	5.01E-08	1.26E-09	5.14E-08	2.61E-07	5.97E-09	2.67E-07	2.98E-08	6.31E-10	3.05E-08
2755	438137.3	3724632.18	2.37E-07	5.65E-09	2.43E-07	4.89E-08	1.24E-09	5.02E-08	2.55E-07	5.84E-09	2.61E-07	2.92E-08	6.18E-10	2.98E-08
2756	438129.54	3724626.85	2.32E-07	5.51E-09	2.37E-07	4.78E-08	1.21E-09	4.90E-08	2.49E-07	5.71E-09	2.54E-07	2.85E-08	6.05E-10	2.91E-08
2757	438121.79	3724621.52	2.26E-07	5.39E-09	2.32E-07	4.66E-08	1.18E-09	4.78E-08	2.43E-07	5.58E-09	2.48E-07	2.78E-08	5.92E-10	2.84E-08
2758	438114.03	3724616.19	2.20E-07	5.25E-09	2.26E-07	4.55E-08	1.15E-09	4.66E-08	2.36E-07	5.46E-09	2.42E-07	2.71E-08	5.78E-10	2.77E-08
2759	438106.28	3724610.86	2.14E-07	5.12E-09	2.20E-07	4.43E-08	1.13E-09	4.54E-08	2.30E-07	5.32E-09	2.35E-07	2.64E-08	5.65E-10	2.70E-08
2760	438098.52	3724605.53	2.08E-07	4.98E-09	2.13E-07	4.30E-08	1.10E-09	4.41E-08	2.24E-07	5.19E-09	2.29E-07	2.57E-08	5.51E-10	2.63E-08
2761	438189.4	3724622.14	2.39E-07	5.74E-09	2.44E-07	4.91E-08	1.26E-09	5.04E-08	2.56E-07	5.93E-09	2.62E-07	2.92E-08	6.28E-10	2.98E-08
2762	438195.57	3724629.06	2.44E-07	5.87E-09	2.50E-07	5.02E-08	1.28E-09	5.15E-08	2.62E-07	6.06E-09	2.68E-07	2.99E-08	6.41E-10	3.05E-08
2763	438201.75	3724635.99	2.50E-07	6.00E-09	2.56E-07	5.14E-08	1.31E-09	5.27E-08	2.68E-07	6.19E-09	2.74E-07	3.05E-08	6.55E-10	3.12E-08
2764	438207.92	3724642.91	2.56E-07	6.14E-09	2.62E-07	5.26E-08	1.34E-09	5.39E-08	2.74E-07	6.32E-09	2.80E-07	3.12E-08	6.69E-10	3.19E-08
2765	438214.09	3724649.83	2.62E-07	6.28E-09	2.68E-07	5.38E-08	1.37E-09	5.52E-08	2.81E-07	6.46E-09	2.87E-07	3.19E-08	6.83E-10	3.26E-08
2766	438220.27	3724656.76	2.68E-07	6.42E-09	2.74E-07	5.51E-08	1.40E-09	5.65E-08	2.87E-07	6.61E-09	2.94E-07	3.27E-08	6.98E-10	3.34E-08
2767	438226.44	3724663.68	2.74E-07	6.56E-09	2.81E-07	5.63E-08	1.43E-09	5.77E-08	2.94E-07	6.74E-09	3.00E-07	3.34E-08	7.12E-10	3.41E-08
2768	438232.62	3724670.61	2.80E-07	6.70E-09	2.86E-07	5.74E-08	1.46E-09	5.89E-08	3.00E-07	6.88E-09	3.06E-07	3.40E-08	7.26E-10	3.48E-08

2769	438238.79	3724677.53	2.85E-07	6.84E-09	2.92E-07	5.86E-08	1.48E-09	6.01E-08	3.06E-07	7.01E-09	3.13E-07	3.47E-08	7.40E-10	3.55E-08
2770	438244.96	3724684.45	2.92E-07	6.99E-09	2.99E-07	5.99E-08	1.52E-09	6.14E-08	3.13E-07	7.16E-09	3.20E-07	3.55E-08	7.55E-10	3.62E-08
2771	438251.14	3724691.38	2.98E-07	7.15E-09	3.06E-07	6.13E-08	1.55E-09	6.28E-08	3.20E-07	7.32E-09	3.27E-07	3.63E-08	7.72E-10	3.70E-08
2772	438257.31	3724698.3	3.05E-07	7.30E-09	3.12E-07	6.25E-08	1.58E-09	6.41E-08	3.26E-07	7.47E-09	3.34E-07	3.70E-08	7.87E-10	3.78E-08
2773	438263.48	3724705.22	3.11E-07	7.45E-09	3.18E-07	6.38E-08	1.61E-09	6.54E-08	3.33E-07	7.62E-09	3.41E-07	3.77E-08	8.03E-10	3.85E-08
2774	438269.66	3724712.15	3.17E-07	7.60E-09	3.25E-07	6.50E-08	1.64E-09	6.67E-08	3.40E-07	7.77E-09	3.47E-07	3.85E-08	8.18E-10	3.93E-08
2775	438275.83	3724719.07	3.23E-07	7.75E-09	3.31E-07	6.63E-08	1.68E-09	6.79E-08	3.46E-07	7.91E-09	3.54E-07	3.92E-08	8.33E-10	4.00E-08
2776	438282.01	3724725.99	3.29E-07	7.90E-09	3.37E-07	6.74E-08	1.71E-09	6.91E-08	3.52E-07	8.06E-09	3.60E-07	3.98E-08	8.48E-10	4.07E-08
2777	438288.18	3724732.92	3.35E-07	8.04E-09	3.43E-07	6.86E-08	1.74E-09	7.03E-08	3.58E-07	8.20E-09	3.67E-07	4.05E-08	8.63E-10	4.14E-08
2778	438343.74	3724795.23	3.77E-07	9.17E-09	3.86E-07	7.72E-08	1.98E-09	7.92E-08	4.04E-07	9.34E-09	4.13E-07	4.55E-08	9.83E-10	4.64E-08
2779	438349.92	3724802.15	3.81E-07	9.27E-09	3.90E-07	7.79E-08	2.00E-09	7.99E-08	4.08E-07	9.45E-09	4.17E-07	4.59E-08	9.94E-10	4.69E-08
2780	438356.09	3724809.08	3.84E-07	9.38E-09	3.94E-07	7.86E-08	2.02E-09	8.07E-08	4.11E-07	9.56E-09	4.21E-07	4.63E-08	1.01E-09	4.73E-08
2781	438183.22	3724615.22	2.33E-07	5.61E-09	2.39E-07	4.80E-08	1.23E-09	4.92E-08	2.50E-07	5.80E-09	2.56E-07	2.85E-08	6.15E-10	2.92E-08
2782	438175.47	3724609.89	2.28E-07	5.49E-09	2.34E-07	4.70E-08	1.20E-09	4.82E-08	2.45E-07	5.69E-09	2.50E-07	2.80E-08	6.03E-10	2.86E-08
2783	438167.71	3724604.55	2.23E-07	5.37E-09	2.28E-07	4.60E-08	1.18E-09	4.71E-08	2.39E-07	5.57E-09	2.45E-07	2.74E-08	5.91E-10	2.80E-08
2784	438159.96	3724599.22	2.18E-07	5.25E-09	2.23E-07	4.49E-08	1.15E-09	4.60E-08	2.34E-07	5.45E-09	2.39E-07	2.67E-08	5.78E-10	2.73E-08
2785	438152.2	3724593.89	2.12E-07	5.12E-09	2.17E-07	4.38E-08	1.13E-09	4.49E-08	2.28E-07	5.33E-09	2.33E-07	2.61E-08	5.65E-10	2.67E-08
2786	438144.45	3724588.56	2.07E-07	5.00E-09	2.12E-07	4.27E-08	1.10E-09	4.38E-08	2.22E-07	5.20E-09	2.27E-07	2.55E-08	5.52E-10	2.60E-08
2787	438136.69	3724583.23	2.02E-07	4.88E-09	2.07E-07	4.16E-08	1.08E-09	4.27E-08	2.16E-07	5.09E-09	2.21E-07	2.48E-08	5.40E-10	2.54E-08
2788	438128.94	3724577.9	1.96E-07	4.76E-09	2.01E-07	4.05E-08	1.05E-09	4.16E-08	2.11E-07	4.97E-09	2.16E-07	2.42E-08	5.28E-10	2.47E-08
2789	438121.18	3724572.57	1.91E-07	4.64E-09	1.96E-07	3.95E-08	1.03E-09	4.05E-08	2.05E-07	4.85E-09	2.10E-07	2.36E-08	5.16E-10	2.41E-08
2790	438212.07	3724589.19	2.19E-07	5.33E-09	2.24E-07	4.51E-08	1.17E-09	4.63E-08	2.35E-07	5.54E-09	2.41E-07	2.68E-08	5.88E-10	2.74E-08
2791	438218.25	3724596.12	2.24E-07	5.46E-09	2.30E-07	4.62E-08	1.20E-09	4.74E-08	2.41E-07	5.66E-09	2.46E-07	2.75E-08	6.00E-10	2.81E-08
2792	438224.43	3724603.05	2.30E-07	5.58E-09	2.35E-07	4.73E-08	1.22E-09	4.85E-08	2.46E-07	5.78E-09	2.52E-07	2.81E-08	6.13E-10	2.87E-08
2793	438230.61	3724609.98	2.35E-07	5.71E-09	2.41E-07	4.83E-08	1.25E-09	4.96E-08	2.52E-07	5.91E-09	2.58E-07	2.87E-08	6.26E-10	2.93E-08
2794	438236.79	3724616.92	2.40E-07	5.83E-09	2.46E-07	4.94E-08	1.28E-09	5.07E-08	2.57E-07	6.03E-09	2.63E-07	2.93E-08	6.38E-10	3.00E-08
2795	438242.98	3724623.85	2.45E-07	5.95E-09	2.51E-07	5.05E-08	1.30E-09	5.18E-08	2.63E-07	6.15E-09	2.69E-07	2.99E-08	6.51E-10	3.06E-08
2796	438249.16	3724630.78	2.51E-07	6.08E-09	2.57E-07	5.15E-08	1.33E-09	5.28E-08	2.69E-07	6.27E-09	2.75E-07	3.06E-08	6.64E-10	3.12E-08
2797	438255.34	3724637.71	2.56E-07	6.20E-09	2.62E-07	5.26E-08	1.35E-09	5.39E-08	2.74E-07	6.40E-09	2.81E-07	3.12E-08	6.77E-10	3.19E-08
2798	438261.52	3724644.65	2.61E-07	6.33E-09	2.68E-07	5.37E-08	1.38E-09	5.51E-08	2.80E-07	6.53E-09	2.86E-07	3.18E-08	6.90E-10	3.25E-08
2799	438267.7	3724651.58	2.67E-07	6.46E-09	2.73E-07	5.48E-08	1.41E-09	5.62E-08	2.86E-07	6.65E-09	2.92E-07	3.24E-08	7.03E-10	3.32E-08
2800	438273.88	3724658.51	2.72E-07	6.59E-09	2.78E-07	5.58E-08	1.44E-09	5.73E-08	2.91E-07	6.78E-09	2.98E-07	3.31E-08	7.16E-10	3.38E-08
2801	438280.07	3724665.44	2.77E-07	6.72E-09	2.84E-07	5.69E-08	1.46E-09	5.84E-08	2.97E-07	6.91E-09	3.04E-07	3.37E-08	7.30E-10	3.44E-08
2802	438286.25	3724672.38	2.83E-07	6.85E-09	2.90E-07	5.80E-08	1.49E-09	5.95E-08	3.03E-07	7.04E-09	3.10E-07	3.43E-08	7.44E-10	3.51E-08
2803	438292.43	3724679.31	2.88E-07	6.99E-09	2.95E-07	5.91E-08	1.52E-09	6.06E-08	3.09E-07	7.18E-09	3.16E-07	3.50E-08	7.57E-10	3.57E-08
2804	438298.61	3724686.24	2.93E-07	7.12E-09	3.01E-07	6.02E-08	1.55E-09	6.17E-08	3.14E-07	7.30E-09	3.22E-07	3.56E-08	7.71E-10	3.64E-08
2805	438317.16	3724707.04	3.09E-07	7.50E-09	3.16E-07	6.33E-08	1.63E-09	6.50E-08	3.31E-07	7.69E-09	3.38E-07	3.74E-08	8.11E-10	3.82E-08
2806	438366.61	3724762.5	3.44E-07	8.44E-09	3.53E-07	7.05E-08	1.83E-09	7.23E-08	3.69E-07	8.64E-09	3.77E-07	4.16E-08	9.11E-10	4.25E-08
2807	438372.79	3724769.43	3.48E-07	8.54E-09	3.56E-07	7.12E-08	1.85E-09	7.30E-08	3.72E-07	8.74E-09	3.81E-07	4.20E-08	9.21E-10	4.29E-08
2808	438378.97	3724776.36	3.51E-07	8.64E-09	3.60E-07	7.19E-08	1.87E-09	7.37E-08	3.76E-07	8.84E-09	3.85E-07	4.23E-08	9.32E-10	4.33E-08
2809	438385.16	3724783.3	3.55E-07	8.73E-09	3.63E-07	7.25E-08	1.89E-09	7.44E-08	3.79E-07	8.94E-09	3.88E-07	4.27E-08	9.43E-10	4.37E-08
2810	438391.34	3724790.23	3.58E-07	8.82E-09	3.66E-07	7.31E-08	1.91E-09	7.51E-08	3.83E-07	9.03E-09	3.92E-07	4.31E-08	9.53E-10	4.40E-08
2811	438397.52	3724797.16	3.60E-07	8.89E-09	3.68E-07	7.36E-08	1.93E-09	7.55E-08	3.85E-07	9.11E-09	3.94E-07	4.33E-08	9.61E-10	4.43E-08
2812	438403.7	3724804.09	3.61E-07	8.96E-09	3.70E-07	7.39E-08	1.94E-09	7.59E-08	3.87E-07	9.18E-09	3.96E-07	4.35E-08	9.68E-10	4.45E-08
2813	438409.88	3724811.03	3.63E-07	9.02E-09	3.72E-07	7.43E-08	1.96E-09	7.62E-08	3.89E-07	9.25E-09	3.98E-07	4.37E-08	9.76E-10	4.47E-08
2814	438416.06	3724817.96	3.65E-07	9.10E-09	3.75E-07	7.47E-08	1.98E-09	7.67E-08	3.91E-07	9.33E-09	4.00E-07	4.40E-08	9.85E-10	4.50E-08
2815	438428.43	3724831.82	3.72E-07	9.30E-09	3.81E-07	7.61E-08	2.02E-09	7.81E-08	3.98E-07	9.54E-09	4.08E-07	4.48E-08	1.01E-09	4.58E-08
2816	438205.89	3724582.25	2.14E-07	5.21E-09	2.19E-07	4.41E-08	1.15E-09	4.52E-08	2.29E-07	5.42E-09	2.35E-07	2.62E-08	5.75E-10	2.68E-08
2817	438198.13	3724576.92	2.10E-07	5.11E-09	2.15E-07	4.32E-08	1.13E-09	4.43E-08	2.25E-07	5.32E-09	2.30E-07	2.57E-08	5.65E-10	2.63E-08
2818	438190.38	3724571.59	2.05E-07	5.01E-09	2.10E-07	4.23E-08	1.10E-09	4.34E-08	2.20E-07	5.22E-09	2.25E-07	2.52E-08	5.54E-10	2.57E-08
2819	438182.62	3724566.26	2.00E-07	4.89E-09	2.05E-07	4.13E-08	1.08E-09	4.24E-08	2.15E-07	5.10E-09	2.20E-07	2.46E-08	5.42E-10	2.52E-08
2820	438174.87	3724560.93	1.96E-07	4.78E-09	2.00E-07	4.03E-08	1.06E-09	4.14E-08	2.10E-07	4.99E-09	2.15E-07	2.40E-08	5.31E-10	2.46E-08
2821	438167.11	3724555.6	1.91E-07	4.67E-09	1.96E-07	3.94E-08	1.03E-09	4.04E-08	2.05E-07	4.88E-09	2.10E-07	2.35E-08	5.19E-10	2.40E-08
2822	438159.36	3724550.27	1.86E-07	4.56E-09	1.91E-07	3.84E-08	1.01E-09	3.94E-08	2.00E-07	4.77E-09	2.04E-07	2.29E-08	5.08E-10	2.34E-08
2823	438151.6	3724544.94	1.81E-07	4.45E-09	1.86E-07	3.74E-08	9.87E-10	3.84E-08	1.95E-07	4.66E-09	1.99E-07	2.23E-08	4.96E-10	2.28E-08
2824	438143.85	3724539.6	1.77E-07	4.34E-09	1.81E-07	3.65E-08	9.64E-10	3.74E-08	1.89E-07	4.55E-09	1.94E-07	2.18E-08	4.85E-10	2.23E-08
2825	438234.73	3724556.23	2.02E-07	4.97E-09	2.07E-07	4.16E-08	1.10E-09	4.27E-08	2.17E-07	5.19E-09	2.22E-07	2.47E-08	5.51E-10	2.53E-08
2826	438240.92	3724563.17	2.07E-07	5.09E-09	2.12E-07	4.25E-08	1.12E-09	4.37E-08	2.22E-07	5.30E-09	2.27E-07	2.53E-08	5.63E-10	2.59E-08
2827	438247.11	3724570.11	2.11E-07	5.20E-09	2.17E-07	4.35E-08	1.15E-09	4.47E-08	2.27E-07	5.41E-09	2.32E-07	2.59E-08	5.74E-10	2.64E-08
2828	438253.3	3724577.05	2.16E-07	5.31E-09	2.21E-07	4.45E-08	1.17E-09	4.56E-08	2.32E-07	5.52E-09	2.37E-07	2.64E-08	5.86E-10	2.70E-08
2829	438259.49	3724583.99	2.21E-07	5.42E-09	2.26E-07	4.55E-08	1.19E-09	4.67E-08	2.37E-07	5.64E-09	2.43E-07	2.70E-08	5.98E-10	2.76E-08
2830	438265.68	3724590.94	2.26E-07	5.54E-09	2.31E-07	4.64E-08	1.22E-09	4.76E-08	2.42E-07	5.75E-09	2.48E-07	2.76E-08	6.09E-10	2.82E-08
2831	438271.87	3724597.88	2.30E-07	5.65E-09	2.36E-07	4.73E-08	1.24E-09	4.86E-08	2.47E-07	5.86E-09	2.53E-07	2.81E-08	6.21E-10	2.87E-08
2832	438278.06	3724604.82	2.35E-07	5.75E-09	2.40E-07	4.82E-08	1.26E-09	4.95E-08	2.52E-07	5.96E-09	2.57E-07	2.86E-08	6.32E-10	2.93E-08
2833	438284.25	3724611.76	2.40E-07	5.87E-09	2.45E-07	4.92E-08	1.29E-09	5.05E-08	2.57E-07	6.08E-09	2.63E-07	2.92E-08	6.44E-10	2.98E-08
2834	438290.43	3724618.7	2.44E-07	5.99E-09	2.50E-07	5.02E-08	1.31E-09	5.15E-08	2.62E-07	6.20E-09	2.68E-07	2.98E-08	6.56E-10	3.04E-08
2835	438296.62	3724625.64	2.49E-07	6.10E-09	2.55E-07	5.12E-08	1.34E-09	5.25E-08	2.67E-07	6.31E-09	2.73E-07	3.03E-08	6.68E-10	3.10E-08
2836	438302.81	3724632.58	2.54E-07	6.22E-09	2.60E-07	5.21E-08	1.36E-09	5.35E-08	2.72E-07	6.43E-09	2.78E-07	3.09E-08	6.80E-10	3.16E-08
2837	438309	3724639.52	2.59E-07	6.34E-09	2.65E-07	5.31E-08	1.39E-09	5.45E-08	2.77E-07	6.54E-09	2.84E-07	3.14E-08	6.92E-10	3.21E-08
2838	438315.19	3724646.46	2.63E-07	6.46E-09	2.70E-07	5.41E-08	1.41E-09	5.55E-08	2.82E-07	6.66E-09	2.89E-07	3.20E-08	7.05E-10	3.27E-08
2839	438321.38	3724653.4	2.68E-07	6.58E-09	2.75E-07	5.51E-08	1.44E-09	5.65E-08	2.87E-07	6.78E-09	2.94E-07	3.26E-08	7.17E-10	3.33E-08
2840	438327.57	3724660.34	2.73E-07	6.69E-09	2.80E-07	5.60E-08	1.46E-09	5.75E-08	2.92E-07	6.90E-09	2.99E-07	3.32E-08	7.30E-10	3.39E-08
2841	438333.76	3724667.28	2.78E-07	6.81E-09	2.84E-07	5.70E-08	1.49E-09	5.84E-08	2.97E-07	7.02E-09	3.04E-07	3.37E-08	7.42E-10	3.44E-08
2842	438339.95	3724674.22	2.82E-07	6.92E-09	2.89E-07	5.79E-08	1.51E-09	5.94E-08	3.02E-07	7.13E-09	3.09E-07	3.42E-08	7.54E-10	3.50E-08
2843	438401.84	3724743.63	3.22E-07	7.98E-09	3.30E-07	6.59E-08	1.74E-09	6.76E-08	3.45E-07	8.20E-09	3.53E-07	3.89E-08	8.66E-10	3.97E-08
2844	438408.02	3724750.57	3.25E-07	8.07E-09	3.33E-07	6.65E-08	1.76E-09	6.83E-08	3.48E-07	8.29E-09	3.56E-07	3.92E-08	8.76E-10	4.01E-08
2845	438414.21	3724757.51	3.28E-07	8.16E-09	3.36E-07	6.72E-08	1.78E-09	6.89E-08	3.51E-07	8.39E-09	3.60E-07	3.96E-08	8.86E-10	4.05E-08

2846	438420.4	3724764.45	3.31E-07	8.25E-09	3.39E-07	6.78E-08	1.80E-09	6.96E-08	3.54E-07	8.48E-09	3.63E-07	3.99E-08	8.96E-10	4.08E-08
2847	438426.59	3724771.39	3.34E-07	8.34E-09	3.42E-07	6.84E-08	1.82E-09	7.02E-08	3.58E-07	8.57E-09	3.66E-07	4.03E-08	9.06E-10	4.12E-08
2848	438432.78	3724778.33	3.37E-07	8.42E-09	3.45E-07	6.89E-08	1.83E-09	7.08E-08	3.61E-07	8.66E-09	3.69E-07	4.06E-08	9.15E-10	4.15E-08
2849	438438.97	3724785.27	3.39E-07	8.50E-09	3.48E-07	6.94E-08	1.85E-09	7.13E-08	3.63E-07	8.74E-09	3.72E-07	4.09E-08	9.24E-10	4.18E-08
2850	438445.16	3724792.21	3.41E-07	8.56E-09	3.50E-07	6.98E-08	1.87E-09	7.17E-08	3.65E-07	8.81E-09	3.74E-07	4.11E-08	9.31E-10	4.20E-08
2851	438228.55	3724549.29	1.97E-07	4.86E-09	2.02E-07	4.06E-08	1.07E-09	4.17E-08	2.11E-07	5.08E-09	2.17E-07	2.42E-08	5.40E-10	2.47E-08
2852	438220.79	3724543.96	1.93E-07	4.76E-09	1.98E-07	3.98E-08	1.05E-09	4.08E-08	2.07E-07	4.98E-09	2.12E-07	2.37E-08	5.29E-10	2.42E-08
2853	438213.04	3724538.63	1.89E-07	4.66E-09	1.94E-07	3.89E-08	1.03E-09	4.00E-08	2.03E-07	4.88E-09	2.07E-07	2.32E-08	5.19E-10	2.37E-08
2854	438205.28	3724533.3	1.85E-07	4.56E-09	1.89E-07	3.81E-08	1.01E-09	3.91E-08	1.98E-07	4.78E-09	2.03E-07	2.27E-08	5.09E-10	2.32E-08
2855	438197.53	3724527.97	1.81E-07	4.47E-09	1.85E-07	3.72E-08	9.92E-10	3.82E-08	1.94E-07	4.68E-09	1.98E-07	2.22E-08	4.99E-10	2.27E-08
2856	438189.77	3724522.64	1.77E-07	4.37E-09	1.81E-07	3.64E-08	9.71E-10	3.74E-08	1.89E-07	4.59E-09	1.94E-07	2.17E-08	4.89E-10	2.22E-08
2857	438182.02	3724517.3	1.72E-07	4.27E-09	1.77E-07	3.55E-08	9.50E-10	3.65E-08	1.85E-07	4.49E-09	1.89E-07	2.12E-08	4.78E-10	2.17E-08
2858	438174.26	3724511.97	1.68E-07	4.17E-09	1.72E-07	3.47E-08	9.29E-10	3.56E-08	1.80E-07	4.39E-09	1.85E-07	2.07E-08	4.68E-10	2.12E-08
2859	438166.51	3724506.64	1.64E-07	4.07E-09	1.68E-07	3.38E-08	9.08E-10	3.47E-08	1.76E-07	4.29E-09	1.80E-07	2.02E-08	4.58E-10	2.07E-08
2860	438257.4	3724523.28	1.88E-07	4.67E-09	1.92E-07	3.87E-08	1.04E-09	3.97E-08	2.01E-07	4.89E-09	2.06E-07	2.30E-08	5.20E-10	2.35E-08
2861	438263.6	3724530.23	1.92E-07	4.77E-09	1.97E-07	3.95E-08	1.06E-09	4.06E-08	2.06E-07	4.99E-09	2.11E-07	2.35E-08	5.31E-10	2.40E-08
2862	438269.79	3724537.17	1.96E-07	4.88E-09	2.01E-07	4.04E-08	1.08E-09	4.15E-08	2.10E-07	5.10E-09	2.16E-07	2.40E-08	5.42E-10	2.46E-08
2863	438275.99	3724544.12	2.00E-07	4.97E-09	2.05E-07	4.12E-08	1.10E-09	4.23E-08	2.15E-07	5.19E-09	2.20E-07	2.45E-08	5.52E-10	2.51E-08
2864	438282.18	3724551.07	2.05E-07	5.08E-09	2.10E-07	4.21E-08	1.12E-09	4.32E-08	2.19E-07	5.29E-09	2.25E-07	2.50E-08	5.62E-10	2.56E-08
2865	438288.38	3724558.02	2.09E-07	5.18E-09	2.14E-07	4.30E-08	1.14E-09	4.41E-08	2.24E-07	5.40E-09	2.29E-07	2.55E-08	5.73E-10	2.61E-08
2866	438294.57	3724564.96	2.13E-07	5.28E-09	2.19E-07	4.39E-08	1.16E-09	4.50E-08	2.29E-07	5.50E-09	2.34E-07	2.60E-08	5.84E-10	2.66E-08
2867	438300.77	3724571.91	2.18E-07	5.39E-09	2.23E-07	4.47E-08	1.19E-09	4.59E-08	2.33E-07	5.61E-09	2.39E-07	2.66E-08	5.95E-10	2.72E-08
2868	438306.97	3724578.86	2.22E-07	5.49E-09	2.27E-07	4.56E-08	1.21E-09	4.68E-08	2.38E-07	5.71E-09	2.43E-07	2.71E-08	6.06E-10	2.77E-08
2869	438313.16	3724585.81	2.26E-07	5.60E-09	2.32E-07	4.65E-08	1.23E-09	4.77E-08	2.42E-07	5.81E-09	2.48E-07	2.76E-08	6.17E-10	2.82E-08
2870	438319.36	3724592.76	2.30E-07	5.70E-09	2.36E-07	4.74E-08	1.25E-09	4.86E-08	2.47E-07	5.92E-09	2.53E-07	2.81E-08	6.28E-10	2.87E-08
2871	438325.55	3724599.7	2.35E-07	5.81E-09	2.41E-07	4.83E-08	1.28E-09	4.95E-08	2.52E-07	6.03E-09	2.58E-07	2.86E-08	6.39E-10	2.93E-08
2872	438331.75	3724606.65	2.40E-07	5.92E-09	2.45E-07	4.92E-08	1.30E-09	5.05E-08	2.57E-07	6.14E-09	2.63E-07	2.92E-08	6.51E-10	2.98E-08
2873	438337.94	3724613.6	2.44E-07	6.03E-09	2.50E-07	5.00E-08	1.32E-09	5.14E-08	2.61E-07	6.25E-09	2.67E-07	2.97E-08	6.62E-10	3.03E-08
2874	438344.14	3724620.55	2.48E-07	6.13E-09	2.54E-07	5.09E-08	1.34E-09	5.22E-08	2.65E-07	6.35E-09	2.72E-07	3.01E-08	6.73E-10	3.08E-08
2875	438350.33	3724627.5	2.52E-07	6.23E-09	2.58E-07	5.17E-08	1.37E-09	5.31E-08	2.70E-07	6.45E-09	2.76E-07	3.06E-08	6.83E-10	3.13E-08
2876	438356.53	3724634.44	2.56E-07	6.34E-09	2.62E-07	5.25E-08	1.39E-09	5.39E-08	2.74E-07	6.56E-09	2.81E-07	3.11E-08	6.94E-10	3.18E-08
2877	438418.48	3724703.92	2.92E-07	7.29E-09	3.00E-07	5.99E-08	1.59E-09	6.15E-08	3.13E-07	7.53E-09	3.20E-07	3.54E-08	7.97E-10	3.62E-08
2878	438430.88	3724717.82	2.98E-07	7.46E-09	3.06E-07	6.11E-08	1.63E-09	6.28E-08	3.19E-07	7.71E-09	3.27E-07	3.61E-08	8.15E-10	3.69E-08
2879	438437.07	3724724.77	3.01E-07	7.55E-09	3.09E-07	6.17E-08	1.65E-09	6.34E-08	3.23E-07	7.79E-09	3.30E-07	3.64E-08	8.25E-10	3.72E-08
2880	438443.27	3724731.71	3.04E-07	7.63E-09	3.12E-07	6.23E-08	1.67E-09	6.39E-08	3.26E-07	7.88E-09	3.33E-07	3.67E-08	8.33E-10	3.76E-08
2881	438449.46	3724738.66	3.07E-07	7.71E-09	3.15E-07	6.28E-08	1.69E-09	6.45E-08	3.28E-07	7.96E-09	3.36E-07	3.71E-08	8.42E-10	3.79E-08
2882	438455.66	3724745.61	3.09E-07	7.78E-09	3.17E-07	6.33E-08	1.70E-09	6.50E-08	3.31E-07	8.04E-09	3.39E-07	3.73E-08	8.51E-10	3.82E-08
2883	438461.85	3724752.56	3.12E-07	7.86E-09	3.20E-07	6.38E-08	1.72E-09	6.55E-08	3.34E-07	8.12E-09	3.42E-07	3.76E-08	8.59E-10	3.85E-08
2884	438468.05	3724759.51	3.14E-07	7.94E-09	3.22E-07	6.43E-08	1.74E-09	6.61E-08	3.36E-07	8.20E-09	3.45E-07	3.79E-08	8.68E-10	3.88E-08
2885	438474.24	3724766.45	3.17E-07	8.01E-09	3.25E-07	6.48E-08	1.75E-09	6.66E-08	3.39E-07	8.28E-09	3.47E-07	3.82E-08	8.76E-10	3.91E-08
2886	438480.44	3724773.4	3.19E-07	8.08E-09	3.27E-07	6.52E-08	1.77E-09	6.70E-08	3.41E-07	8.35E-09	3.50E-07	3.84E-08	8.84E-10	3.93E-08
2887	438486.63	3724780.35	3.21E-07	8.15E-09	3.29E-07	6.57E-08	1.78E-09	6.74E-08	3.43E-07	8.43E-09	3.52E-07	3.87E-08	8.92E-10	3.96E-08
2888	438492.83	3724787.3	3.23E-07	8.22E-09	3.31E-07	6.61E-08	1.80E-09	6.79E-08	3.46E-07	8.50E-09	3.54E-07	3.89E-08	9.00E-10	3.98E-08
2889	438499.03	3724794.25	3.25E-07	8.29E-09	3.34E-07	6.66E-08	1.82E-09	6.84E-08	3.48E-07	8.58E-09	3.57E-07	3.92E-08	9.09E-10	4.01E-08
2890	438505.22	3724801.19	3.28E-07	8.36E-09	3.36E-07	6.70E-08	1.83E-09	6.89E-08	3.51E-07	8.66E-09	3.59E-07	3.95E-08	9.17E-10	4.04E-08
2891	438511.42	3724808.14	3.30E-07	8.44E-09	3.38E-07	6.75E-08	1.85E-09	6.93E-08	3.53E-07	8.74E-09	3.62E-07	3.98E-08	9.26E-10	4.07E-08
2892	438517.61	3724815.09	3.32E-07	8.51E-09	3.41E-07	6.79E-08	1.87E-09	6.98E-08	3.55E-07	8.82E-09	3.64E-07	4.00E-08	9.35E-10	4.09E-08
2893	438523.81	3724822.04	3.35E-07	8.59E-09	3.43E-07	6.85E-08	1.89E-09	7.04E-08	3.58E-07	8.91E-09	3.67E-07	4.03E-08	9.44E-10	4.13E-08
2894	438251.21	3724516.33	1.83E-07	4.57E-09	1.88E-07	3.78E-08	1.01E-09	3.88E-08	1.97E-07	4.79E-09	2.01E-07	2.25E-08	5.10E-10	2.30E-08
2895	438243.45	3724511	1.79E-07	4.47E-09	1.84E-07	3.70E-08	9.94E-10	3.80E-08	1.92E-07	4.69E-09	1.97E-07	2.20E-08	5.00E-10	2.25E-08
2896	438235.7	3724505.67	1.76E-07	4.38E-09	1.80E-07	3.62E-08	9.74E-10	3.72E-08	1.88E-07	4.60E-09	1.93E-07	2.16E-08	4.90E-10	2.20E-08
2897	438227.94	3724500.34	1.72E-07	4.29E-09	1.76E-07	3.54E-08	9.54E-10	3.63E-08	1.84E-07	4.51E-09	1.89E-07	2.11E-08	4.80E-10	2.16E-08
2898	438220.19	3724495	1.68E-07	4.19E-09	1.72E-07	3.46E-08	9.34E-10	3.55E-08	1.80E-07	4.41E-09	1.84E-07	2.06E-08	4.70E-10	2.11E-08
2899	438212.43	3724489.67	1.64E-07	4.10E-09	1.68E-07	3.38E-08	9.15E-10	3.47E-08	1.76E-07	4.32E-09	1.80E-07	2.02E-08	4.61E-10	2.06E-08
2900	438204.68	3724484.34	1.60E-07	4.01E-09	1.64E-07	3.30E-08	8.96E-10	3.39E-08	1.72E-07	4.23E-09	1.76E-07	1.97E-08	4.52E-10	2.02E-08
2901	438196.92	3724479.01	1.57E-07	3.93E-09	1.60E-07	3.23E-08	8.77E-10	3.32E-08	1.68E-07	4.15E-09	1.72E-07	1.93E-08	4.43E-10	1.97E-08
2902	438189.17	3724473.68	1.53E-07	3.84E-09	1.57E-07	3.15E-08	8.59E-10	3.24E-08	1.64E-07	4.06E-09	1.68E-07	1.88E-08	4.33E-10	1.93E-08
2903	438466.11	3724698.96	2.80E-07	7.09E-09	2.88E-07	5.74E-08	1.55E-09	5.90E-08	3.00E-07	7.34E-09	3.08E-07	3.39E-08	7.78E-10	3.47E-08
2904	438472.31	3724705.91	2.83E-07	7.16E-09	2.90E-07	5.80E-08	1.57E-09	5.95E-08	3.03E-07	7.42E-09	3.10E-07	3.42E-08	7.87E-10	3.50E-08
2905	438478.52	3724712.87	2.85E-07	7.23E-09	2.93E-07	5.85E-08	1.59E-09	6.01E-08	3.06E-07	7.50E-09	3.13E-07	3.45E-08	7.95E-10	3.53E-08
2906	438484.72	3724719.82	2.88E-07	7.30E-09	2.95E-07	5.89E-08	1.60E-09	6.05E-08	3.08E-07	7.57E-09	3.16E-07	3.48E-08	8.02E-10	3.56E-08
2907	438490.92	3724726.78	2.90E-07	7.37E-09	2.97E-07	5.94E-08	1.62E-09	6.10E-08	3.11E-07	7.64E-09	3.18E-07	3.50E-08	8.10E-10	3.59E-08
2908	438497.12	3724733.73	2.93E-07	7.45E-09	3.00E-07	5.99E-08	1.64E-09	6.16E-08	3.13E-07	7.72E-09	3.21E-07	3.53E-08	8.19E-10	3.62E-08
2909	438503.32	3724740.69	2.95E-07	7.52E-09	3.03E-07	6.04E-08	1.65E-09	6.21E-08	3.16E-07	7.80E-09	3.24E-07	3.56E-08	8.27E-10	3.65E-08
2910	438509.52	3724747.64	2.98E-07	7.59E-09	3.05E-07	6.09E-08	1.67E-09	6.26E-08	3.18E-07	7.88E-09	3.26E-07	3.59E-08	8.35E-10	3.68E-08
2911	438515.72	3724754.6	3.00E-07	7.67E-09	3.08E-07	6.14E-08	1.68E-09	6.31E-08	3.21E-07	7.96E-09	3.29E-07	3.62E-08	8.44E-10	3.70E-08
2912	438521.93	3724761.55	3.02E-07	7.73E-09	3.10E-07	6.18E-08	1.70E-09	6.35E-08	3.23E-07	8.03E-09	3.31E-07	3.64E-08	8.52E-10	3.73E-08
2913	438528.13	3724768.51	3.04E-07	7.80E-09	3.12E-07	6.22E-08	1.71E-09	6.39E-08	3.25E-07	8.10E-09	3.33E-07	3.67E-08	8.59E-10	3.75E-08
2914	438534.33	3724775.46	3.06E-07	7.86E-09	3.14E-07	6.26E-08	1.73E-09	6.43E-08	3.27E-07	8.17E-09	3.36E-07	3.69E-08	8.66E-10	3.78E-08
2915	438540.53	3724782.42	3.08E-07	7.92E-09	3.16E-07	6.30E-08	1.74E-09	6.47E-08	3.29E-07	8.24E-09	3.38E-07	3.71E-08	8.74E-10	3.80E-08
2916	438546.73	3724789.37	3.10E-07	7.99E-09	3.18E-07	6.34E-08	1.76E-09	6.51E-08	3.32E-07	8.31E-09	3.40E-07	3.74E-08	8.82E-10	3.82E-08
2917	438552.93	3724796.32	3.11E-07	8.04E-09	3.19E-07	6.37E-08	1.77E-09	6.55E-08	3.33E-07	8.37E-09	3.42E-07	3.75E-08	8.88E-10	3.84E-08
2918	438559.13	3724803.28	3.12E-07	8.09E-09	3.20E-07	6.39E-08	1.78E-09	6.57E-08	3.34E-07	8.42E-09	3.43E-07	3.76E-08	8.94E-10	3.85E-08
2919	438211.83	3724440.72	1.44E-07	3.65E-09	1.48E-07	2.97E-08	8.18E-10	3.05E-08	1.54E-07	3.87E-09	1.58E-07	1.77E-08	4.13E-10	1.81E-08
2920	438302.73	3724457.37	1.58E-07	4.03E-09	1.62E-07	3.26E-08	9.00E-10	3.35E-08	1.70E-07	4.25E-09	1.74E-07	1.94E-08	4.54E-10	1.99E-08
2921	438308.94	3724464.33	1.62E-07	4.11E-09	1.66E-07	3.33E-08	9.17E-10	3.42E-08	1.73E-07	4.33E-09	1.78E-07	1.98E-08	4.62E-10	2.03E-08
2922	438315.15	3724471.29	1.65E-07	4.19E-09	1.69E-07	3.40E-08	9.35E-10	3.49E-08	1.77E-07	4.42E-09	1.81E-07	2.02E-08	4.71E-10	2.07E-08

2923	438321.35	3724478.25	1.68E-07	4.28E-09	1.73E-07	3.47E-08	9.53E-10	3.56E-08	1.81E-07	4.50E-09	1.85E-07	2.06E-08	4.80E-10	2.11E-08
2924	438327.56	3724485.21	1.72E-07	4.36E-09	1.76E-07	3.54E-08	9.70E-10	3.63E-08	1.84E-07	4.58E-09	1.89E-07	2.10E-08	4.89E-10	2.15E-08
2925	438333.77	3724492.17	1.75E-07	4.44E-09	1.80E-07	3.60E-08	9.88E-10	3.70E-08	1.88E-07	4.67E-09	1.92E-07	2.14E-08	4.97E-10	2.19E-08
2926	438339.97	3724499.13	1.78E-07	4.52E-09	1.83E-07	3.67E-08	1.01E-09	3.77E-08	1.91E-07	4.75E-09	1.96E-07	2.18E-08	5.06E-10	2.23E-08
2927	438346.18	3724506.09	1.82E-07	4.61E-09	1.87E-07	3.74E-08	1.02E-09	3.85E-08	1.95E-07	4.84E-09	2.00E-07	2.22E-08	5.15E-10	2.28E-08
2928	438352.39	3724513.05	1.85E-07	4.69E-09	1.90E-07	3.81E-08	1.04E-09	3.92E-08	1.99E-07	4.92E-09	2.04E-07	2.27E-08	5.24E-10	2.32E-08
2929	438358.6	3724520.01	1.89E-07	4.78E-09	1.94E-07	3.89E-08	1.06E-09	3.99E-08	2.03E-07	5.01E-09	2.08E-07	2.31E-08	5.33E-10	2.36E-08
2930	438364.8	3724526.97	1.92E-07	4.86E-09	1.97E-07	3.96E-08	1.08E-09	4.06E-08	2.06E-07	5.10E-09	2.11E-07	2.35E-08	5.42E-10	2.40E-08
2931	438371.01	3724533.93	1.96E-07	4.95E-09	2.01E-07	4.02E-08	1.10E-09	4.13E-08	2.10E-07	5.18E-09	2.15E-07	2.39E-08	5.51E-10	2.44E-08
2932	438377.22	3724540.9	1.99E-07	5.04E-09	2.04E-07	4.10E-08	1.12E-09	4.21E-08	2.14E-07	5.27E-09	2.19E-07	2.43E-08	5.60E-10	2.49E-08
2933	438383.42	3724547.86	2.03E-07	5.12E-09	2.08E-07	4.17E-08	1.13E-09	4.28E-08	2.17E-07	5.36E-09	2.23E-07	2.47E-08	5.70E-10	2.53E-08
2934	438389.63	3724554.82	2.06E-07	5.22E-09	2.12E-07	4.24E-08	1.15E-09	4.36E-08	2.21E-07	5.45E-09	2.27E-07	2.52E-08	5.80E-10	2.57E-08
2935	438395.84	3724561.78	2.10E-07	5.31E-09	2.15E-07	4.32E-08	1.17E-09	4.43E-08	2.25E-07	5.54E-09	2.31E-07	2.56E-08	5.89E-10	2.62E-08
2936	438402.04	3724568.74	2.14E-07	5.40E-09	2.19E-07	4.39E-08	1.19E-09	4.51E-08	2.29E-07	5.63E-09	2.34E-07	2.60E-08	5.99E-10	2.66E-08
2937	438408.25	3724575.7	2.17E-07	5.48E-09	2.22E-07	4.46E-08	1.21E-09	4.58E-08	2.32E-07	5.72E-09	2.38E-07	2.64E-08	6.08E-10	2.70E-08
2938	438414.46	3724582.66	2.21E-07	5.57E-09	2.26E-07	4.53E-08	1.23E-09	4.65E-08	2.36E-07	5.81E-09	2.42E-07	2.68E-08	6.18E-10	2.74E-08
2939	438420.67	3724589.62	2.24E-07	5.67E-09	2.30E-07	4.60E-08	1.25E-09	4.73E-08	2.40E-07	5.91E-09	2.46E-07	2.73E-08	6.28E-10	2.79E-08
2940	438426.87	3724596.58	2.28E-07	5.76E-09	2.34E-07	4.68E-08	1.27E-09	4.80E-08	2.44E-07	6.00E-09	2.50E-07	2.77E-08	6.38E-10	2.83E-08
2941	438433.08	3724603.54	2.32E-07	5.85E-09	2.37E-07	4.75E-08	1.29E-09	4.88E-08	2.48E-07	6.10E-09	2.54E-07	2.81E-08	6.48E-10	2.88E-08
2942	438439.29	3724610.5	2.35E-07	5.94E-09	2.41E-07	4.82E-08	1.31E-09	4.95E-08	2.51E-07	6.18E-09	2.58E-07	2.85E-08	6.57E-10	2.92E-08
2943	438445.49	3724617.46	2.38E-07	6.02E-09	2.44E-07	4.88E-08	1.33E-09	5.01E-08	2.55E-07	6.27E-09	2.61E-07	2.89E-08	6.66E-10	2.96E-08
2944	438451.7	3724624.42	2.41E-07	6.11E-09	2.47E-07	4.95E-08	1.35E-09	5.08E-08	2.58E-07	6.36E-09	2.65E-07	2.93E-08	6.75E-10	3.00E-08
2945	438296.53	3724450.4	1.55E-07	3.95E-09	1.59E-07	3.19E-08	8.83E-10	3.28E-08	1.66E-07	4.17E-09	1.70E-07	1.90E-08	4.46E-10	1.95E-08
2946	438288.77	3724445.07	1.53E-07	3.89E-09	1.56E-07	3.14E-08	8.70E-10	3.23E-08	1.64E-07	4.11E-09	1.68E-07	1.87E-08	4.39E-10	1.92E-08
2947	438281.02	3724439.74	1.50E-07	3.83E-09	1.54E-07	3.09E-08	8.57E-10	3.18E-08	1.61E-07	4.05E-09	1.65E-07	1.84E-08	4.32E-10	1.89E-08
2948	438273.26	3724434.41	1.47E-07	3.76E-09	1.51E-07	3.04E-08	8.43E-10	3.12E-08	1.58E-07	3.98E-09	1.62E-07	1.81E-08	4.26E-10	1.85E-08
2949	438325.4	3724424.41	1.44E-07	3.71E-09	1.48E-07	2.97E-08	8.32E-10	3.05E-08	1.54E-07	3.93E-09	1.58E-07	1.77E-08	4.20E-10	1.81E-08
2950	438331.61	3724431.38	1.47E-07	3.78E-09	1.51E-07	3.03E-08	8.47E-10	3.11E-08	1.58E-07	4.00E-09	1.62E-07	1.80E-08	4.28E-10	1.85E-08
2951	438337.82	3724438.34	1.50E-07	3.85E-09	1.54E-07	3.09E-08	8.63E-10	3.17E-08	1.61E-07	4.08E-09	1.65E-07	1.84E-08	4.36E-10	1.88E-08
2952	438344.03	3724445.31	1.53E-07	3.93E-09	1.57E-07	3.15E-08	8.79E-10	3.24E-08	1.64E-07	4.15E-09	1.68E-07	1.88E-08	4.44E-10	1.92E-08
2953	438350.25	3724452.27	1.56E-07	4.01E-09	1.60E-07	3.21E-08	8.96E-10	3.30E-08	1.67E-07	4.23E-09	1.72E-07	1.91E-08	4.52E-10	1.96E-08
2954	438356.46	3724459.24	1.59E-07	4.08E-09	1.63E-07	3.28E-08	9.12E-10	3.37E-08	1.71E-07	4.31E-09	1.75E-07	1.95E-08	4.60E-10	2.00E-08
2955	438362.67	3724466.21	1.62E-07	4.16E-09	1.66E-07	3.34E-08	9.29E-10	3.43E-08	1.74E-07	4.39E-09	1.78E-07	1.99E-08	4.68E-10	2.03E-08
2956	438368.88	3724473.17	1.65E-07	4.24E-09	1.70E-07	3.41E-08	9.46E-10	3.50E-08	1.77E-07	4.47E-09	1.82E-07	2.02E-08	4.77E-10	2.07E-08
2957	438375.09	3724480.14	1.69E-07	4.32E-09	1.73E-07	3.47E-08	9.62E-10	3.57E-08	1.81E-07	4.55E-09	1.85E-07	2.06E-08	4.85E-10	2.11E-08
2958	438381.31	3724487.11	1.72E-07	4.39E-09	1.76E-07	3.53E-08	9.79E-10	3.63E-08	1.84E-07	4.63E-09	1.89E-07	2.10E-08	4.93E-10	2.15E-08
2959	438387.52	3724494.07	1.75E-07	4.47E-09	1.79E-07	3.60E-08	9.96E-10	3.70E-08	1.88E-07	4.71E-09	1.92E-07	2.14E-08	5.02E-10	2.19E-08
2960	438393.73	3724501.04	1.78E-07	4.55E-09	1.83E-07	3.66E-08	1.01E-09	3.76E-08	1.91E-07	4.79E-09	1.96E-07	2.18E-08	5.10E-10	2.23E-08
2961	438399.94	3724508.01	1.81E-07	4.63E-09	1.86E-07	3.73E-08	1.03E-09	3.83E-08	1.94E-07	4.87E-09	1.99E-07	2.21E-08	5.19E-10	2.26E-08
2962	438406.16	3724514.97	1.84E-07	4.71E-09	1.89E-07	3.79E-08	1.05E-09	3.89E-08	1.97E-07	4.95E-09	2.02E-07	2.25E-08	5.27E-10	2.30E-08
2963	438412.37	3724521.94	1.87E-07	4.79E-09	1.92E-07	3.85E-08	1.06E-09	3.96E-08	2.01E-07	5.02E-09	2.06E-07	2.29E-08	5.35E-10	2.34E-08
2964	438418.58	3724528.91	1.91E-07	4.86E-09	1.95E-07	3.91E-08	1.08E-09	4.02E-08	2.04E-07	5.11E-09	2.09E-07	2.32E-08	5.44E-10	2.38E-08
2965	438424.79	3724535.87	1.94E-07	4.94E-09	1.99E-07	3.98E-08	1.10E-09	4.09E-08	2.07E-07	5.19E-09	2.13E-07	2.36E-08	5.52E-10	2.42E-08
2966	438431	3724542.84	1.97E-07	5.02E-09	2.02E-07	4.04E-08	1.12E-09	4.15E-08	2.11E-07	5.27E-09	2.16E-07	2.40E-08	5.61E-10	2.45E-08
2967	438437.22	3724549.81	2.00E-07	5.10E-09	2.05E-07	4.10E-08	1.13E-09	4.22E-08	2.14E-07	5.34E-09	2.19E-07	2.43E-08	5.69E-10	2.49E-08
2968	438443.43	3724556.77	2.03E-07	5.18E-09	2.08E-07	4.16E-08	1.15E-09	4.28E-08	2.17E-07	5.42E-09	2.23E-07	2.47E-08	5.77E-10	2.53E-08
2969	438449.64	3724563.74	2.06E-07	5.26E-09	2.11E-07	4.22E-08	1.17E-09	4.34E-08	2.20E-07	5.50E-09	2.26E-07	2.50E-08	5.86E-10	2.56E-08
2970	438455.85	3724570.7	2.09E-07	5.34E-09	2.14E-07	4.29E-08	1.18E-09	4.41E-08	2.24E-07	5.59E-09	2.29E-07	2.54E-08	5.94E-10	2.60E-08
2971	438462.06	3724577.67	2.12E-07	5.42E-09	2.17E-07	4.35E-08	1.20E-09	4.47E-08	2.27E-07	5.67E-09	2.33E-07	2.58E-08	6.03E-10	2.64E-08
2972	438468.28	3724584.64	2.15E-07	5.49E-09	2.20E-07	4.41E-08	1.22E-09	4.53E-08	2.30E-07	5.75E-09	2.36E-07	2.61E-08	6.11E-10	2.67E-08
2973	438474.49	3724591.6	2.18E-07	5.57E-09	2.23E-07	4.47E-08	1.23E-09	4.59E-08	2.33E-07	5.82E-09	2.39E-07	2.64E-08	6.19E-10	2.71E-08
2974	438480.7	3724598.57	2.20E-07	5.64E-09	2.26E-07	4.52E-08	1.25E-09	4.65E-08	2.36E-07	5.90E-09	2.42E-07	2.68E-08	6.27E-10	2.74E-08
2975	438486.91	3724605.54	2.23E-07	5.71E-09	2.29E-07	4.57E-08	1.26E-09	4.70E-08	2.39E-07	5.97E-09	2.45E-07	2.71E-08	6.35E-10	2.77E-08
2976	438493.12	3724612.5	2.26E-07	5.78E-09	2.31E-07	4.63E-08	1.28E-09	4.76E-08	2.42E-07	6.05E-09	2.48E-07	2.74E-08	6.43E-10	2.80E-08
2977	438319.19	3724417.44	1.41E-07	3.64E-09	1.45E-07	2.91E-08	8.17E-10	2.99E-08	1.51E-07	3.86E-09	1.55E-07	1.73E-08	4.13E-10	1.77E-08
2978	438311.43	3724412.11	1.39E-07	3.58E-09	1.42E-07	2.86E-08	8.04E-10	2.94E-08	1.49E-07	3.80E-09	1.52E-07	1.70E-08	4.06E-10	1.74E-08
2979	438303.68	3724406.78	1.36E-07	3.52E-09	1.40E-07	2.81E-08	7.92E-10	2.89E-08	1.46E-07	3.74E-09	1.50E-07	1.68E-08	4.00E-10	1.72E-08
2980	438295.92	3724401.45	1.34E-07	3.46E-09	1.38E-07	2.76E-08	7.79E-10	2.84E-08	1.44E-07	3.68E-09	1.47E-07	1.65E-08	3.94E-10	1.69E-08
2981	438288.17	3724396.12	1.32E-07	3.40E-09	1.35E-07	2.72E-08	7.66E-10	2.79E-08	1.41E-07	3.62E-09	1.45E-07	1.62E-08	3.88E-10	1.66E-08
2982	438280.41	3724390.79	1.29E-07	3.34E-09	1.33E-07	2.67E-08	7.53E-10	2.74E-08	1.39E-07	3.56E-09	1.42E-07	1.59E-08	3.81E-10	1.63E-08
2983	438272.66	3724385.46	1.27E-07	3.29E-09	1.30E-07	2.62E-08	7.41E-10	2.69E-08	1.36E-07	3.50E-09	1.40E-07	1.56E-08	3.75E-10	1.60E-08
2984	438264.9	3724380.12	1.25E-07	3.23E-09	1.28E-07	2.57E-08	7.28E-10	2.64E-08	1.34E-07	3.44E-09	1.37E-07	1.53E-08	3.69E-10	1.57E-08
2985	438257.15	3724374.79	1.22E-07	3.17E-09	1.25E-07	2.52E-08	7.16E-10	2.59E-08	1.31E-07	3.38E-09	1.34E-07	1.51E-08	3.63E-10	1.54E-08
2986	438089.2	3724598.65	2.01E-07	4.82E-09	2.06E-07	4.16E-08	1.06E-09	4.26E-08	2.16E-07	5.03E-09	2.21E-07	2.48E-08	5.34E-10	2.54E-08
2987	438112.54	3724566.16	1.85E-07	4.49E-09	1.90E-07	3.82E-08	9.97E-10	3.92E-08	1.99E-07	4.71E-09	2.03E-07	2.28E-08	5.01E-10	2.33E-08
2988	438098.24	3724555.89	1.75E-07	4.26E-09	1.79E-07	3.62E-08	9.49E-10	3.71E-08	1.88E-07	4.48E-09	1.92E-07	2.16E-08	4.78E-10	2.21E-08
2989	438083.93	3724545.61	1.64E-07	4.02E-09	1.68E-07	3.40E-08	8.98E-10	3.49E-08	1.76E-07	4.24E-09	1.81E-07	2.03E-08	4.53E-10	2.08E-08
2990	438135.87	3724533.67	1.71E-07	4.22E-09	1.76E-07	3.54E-08	9.38E-10	3.63E-08	1.84E-07	4.43E-09	1.88E-07	2.12E-08	4.72E-10	2.16E-08
2991	438121.57	3724523.4	1.63E-07	4.01E-09	1.67E-07	3.36E-08	8.95E-10	3.45E-08	1.74E-07	4.23E-09	1.79E-07	2.01E-08	4.51E-10	2.05E-08
2992	438107.27	3724513.12	1.54E-07	3.81E-09	1.58E-07	3.18E-08	8.53E-10	3.27E-08	1.65E-07	4.03E-09	1.69E-07	1.90E-08	4.31E-10	1.95E-08
2993	438159.21	3724501.18	1.60E-07	3.97E-09	1.64E-07	3.30E-08	8.87E-10	3.39E-08	1.71E-07	4.19E-09	1.76E-07	1.97E-08	4.47E-10	2.02E-08
2994	438144.9	3724490.91	1.52E-07	3.79E-09	1.56E-07	3.14E-08	8.49E-10	3.22E-08	1.63E-07	4.01E-09	1.67E-07	1.88E-08	4.29E-10	1.92E-08
2995	438130.6	3724480.64	1.44E-07	3.62E-09	1.48E-07	2.99E-08	8.12E-10	3.07E-08	1.55E-07	3.84E-09	1.59E-07	1.79E-08	4.10E-10	1.83E-08
2996	438175.39	3724463.56	1.46E-07	3.68E-09	1.50E-07	3.02E-08	8.25E-10	3.10E-08	1.57E-07	3.90E-09	1.61E-07	1.80E-08	4.17E-10	1.84E-08
2997	438161.09	3724453.28	1.39E-07	3.52E-09	1.43E-07	2.88E-08	7.90E-10	2.95E-08	1.49E-07	3.73E-09	1.53E-07	1.72E-08	3.99E-10	1.76E-08
2998	438146.79	3724443.01	1.32E-07	3.36E-09	1.36E-07	2.74E-08	7.56E-10	2.81E-08	1.42E-07	3.57E-09	1.46E-07	1.64E-08	3.83E-10	1.68E-08
2999	438198.72	3724431.07	1.38E-07	3.51E-09	1.42E-07	2.85E-08	7.89E-10	2.93E-08	1.48E-07	3.73E-09	1.52E-07	1.70E-08	3.99E-10	1.74E-08

3000	438184.42	3724420.79	1.32E-07	3.36E-09	1.35E-07	2.72E-08	7.56E-10	2.79E-08	1.41E-07	3.57E-09	1.45E-07	1.63E-08	3.83E-10	1.66E-08
3001	438170.12	3724410.52	1.25E-07	3.21E-09	1.29E-07	2.59E-08	7.24E-10	2.66E-08	1.34E-07	3.42E-09	1.38E-07	1.55E-08	3.67E-10	1.59E-08
3002	438245.39	3724366.09	1.18E-07	3.07E-09	1.21E-07	2.44E-08	6.95E-10	2.51E-08	1.27E-07	3.29E-09	1.30E-07	1.46E-08	3.52E-10	1.49E-08
3003	438231.09	3724355.82	1.14E-07	2.96E-09	1.17E-07	2.35E-08	6.71E-10	2.42E-08	1.22E-07	3.17E-09	1.25E-07	1.40E-08	3.40E-10	1.44E-08
3004	438216.79	3724345.54	1.09E-07	2.86E-09	1.12E-07	2.26E-08	6.48E-10	2.32E-08	1.17E-07	3.06E-09	1.20E-07	1.35E-08	3.29E-10	1.38E-08
3005	437513.6	3724656.1	7.77E-08	1.86E-09	7.95E-08	1.61E-08	4.17E-10	1.65E-08	8.34E-08	1.97E-09	8.54E-08	9.70E-09	2.10E-10	9.91E-09
3006	437530.16	3724649.27	7.68E-08	1.86E-09	7.86E-08	1.60E-08	4.20E-10	1.64E-08	8.25E-08	1.99E-09	8.45E-08	9.64E-09	2.13E-10	9.85E-09
3007	437546.71	3724642.44	7.63E-08	1.86E-09	7.82E-08	1.59E-08	4.25E-10	1.63E-08	8.21E-08	2.01E-09	8.41E-08	9.63E-09	2.16E-10	9.84E-09
3008	437563.27	3724635.61	7.63E-08	1.88E-09	7.82E-08	1.59E-08	4.31E-10	1.64E-08	8.21E-08	2.04E-09	8.42E-08	9.67E-09	2.20E-10	9.89E-09
3009	437647.63	3724631.11	7.97E-08	2.01E-09	8.17E-08	1.67E-08	4.70E-10	1.72E-08	8.59E-08	2.23E-09	8.81E-08	1.02E-08	2.42E-10	1.05E-08
3010	437664.82	3724636.14	8.66E-08	2.15E-09	8.87E-08	1.82E-08	5.05E-10	1.87E-08	9.33E-08	2.39E-09	9.57E-08	1.11E-08	2.60E-10	1.14E-08
3011	437456.75	3724648.95	7.51E-08	1.74E-09	7.68E-08	1.55E-08	3.79E-10	1.59E-08	8.05E-08	1.79E-09	8.23E-08	9.22E-09	1.89E-10	9.41E-09
3012	437473.01	3724642.24	7.28E-08	1.72E-09	7.45E-08	1.50E-08	3.78E-10	1.54E-08	7.81E-08	1.78E-09	7.99E-08	8.98E-09	1.89E-10	9.17E-09
3013	437489.27	3724635.53	7.09E-08	1.70E-09	7.26E-08	1.47E-08	3.78E-10	1.50E-08	7.61E-08	1.78E-09	7.79E-08	8.79E-09	1.90E-10	8.98E-09
3014	437505.52	3724628.82	6.95E-08	1.69E-09	7.12E-08	1.44E-08	3.79E-10	1.48E-08	7.47E-08	1.79E-09	7.65E-08	8.65E-09	1.91E-10	8.85E-09
3015	437521.78	3724622.11	6.86E-08	1.69E-09	7.03E-08	1.42E-08	3.81E-10	1.46E-08	7.37E-08	1.80E-09	7.55E-08	8.58E-09	1.93E-10	8.77E-09
3016	437538.04	3724615.4	6.80E-08	1.69E-09	6.97E-08	1.41E-08	3.85E-10	1.45E-08	7.31E-08	1.82E-09	7.49E-08	8.55E-09	1.96E-10	8.74E-09
3017	437554.29	3724608.7	6.79E-08	1.70E-09	6.96E-08	1.41E-08	3.90E-10	1.45E-08	7.30E-08	1.84E-09	7.48E-08	8.56E-09	1.99E-10	8.76E-09
3018	437611.5	3724591.04	6.34E-08	1.65E-09	6.51E-08	1.33E-08	3.86E-10	1.36E-08	6.83E-08	1.83E-09	7.01E-08	8.07E-09	1.98E-10	8.27E-09
3019	437628.38	3724595.98	6.61E-08	1.71E-09	6.78E-08	1.38E-08	4.02E-10	1.42E-08	7.11E-08	1.90E-09	7.30E-08	8.44E-09	2.07E-10	8.64E-09
3020	437645.26	3724600.92	6.93E-08	1.79E-09	7.11E-08	1.45E-08	4.20E-10	1.49E-08	7.47E-08	1.99E-09	7.66E-08	8.88E-09	2.16E-10	9.09E-09
3021	437662.14	3724605.86	7.49E-08	1.91E-09	7.68E-08	1.57E-08	4.49E-10	1.62E-08	8.07E-08	2.13E-09	8.28E-08	9.61E-09	2.31E-10	9.84E-09
3022	437679.01	3724610.8	8.20E-08	2.07E-09	8.41E-08	1.72E-08	4.85E-10	1.77E-08	8.83E-08	2.29E-09	9.06E-08	1.05E-08	2.50E-10	1.08E-08
3023	437695.89	3724615.74	8.92E-08	2.22E-09	9.14E-08	1.87E-08	5.21E-10	1.93E-08	9.61E-08	2.46E-09	9.86E-08	1.15E-08	2.68E-10	1.17E-08
3024	437712.77	3724620.68	9.71E-08	2.39E-09	9.95E-08	2.04E-08	5.58E-10	2.09E-08	1.05E-07	2.64E-09	1.07E-07	1.25E-08	2.87E-10	1.28E-08
3025	437388.89	3724646.33	7.91E-08	1.75E-09	8.08E-08	1.62E-08	3.68E-10	1.66E-08	8.47E-08	1.74E-09	8.65E-08	9.60E-09	1.81E-10	9.78E-09
3026	437405.24	3724639.59	7.56E-08	1.70E-09	7.73E-08	1.55E-08	3.61E-10	1.59E-08	8.10E-08	1.70E-09	8.27E-08	9.19E-09	1.78E-10	9.37E-09
3027	437421.59	3724632.84	7.24E-08	1.66E-09	7.41E-08	1.49E-08	3.55E-10	1.52E-08	7.76E-08	1.68E-09	7.93E-08	8.83E-09	1.76E-10	9.01E-09
3028	437437.95	3724626.09	6.96E-08	1.62E-09	7.13E-08	1.43E-08	3.51E-10	1.47E-08	7.47E-08	1.66E-09	7.63E-08	8.52E-09	1.74E-10	8.69E-09
3029	437454.3	3724619.34	6.72E-08	1.59E-09	6.88E-08	1.38E-08	3.48E-10	1.42E-08	7.21E-08	1.64E-09	7.37E-08	8.25E-09	1.74E-10	8.42E-09
3030	437470.65	3724612.6	6.52E-08	1.57E-09	6.68E-08	1.35E-08	3.46E-10	1.38E-08	6.99E-08	1.64E-09	7.16E-08	8.03E-09	1.74E-10	8.21E-09
3031	437487	3724605.85	6.36E-08	1.55E-09	6.51E-08	1.31E-08	3.46E-10	1.35E-08	6.82E-08	1.63E-09	6.99E-08	7.86E-09	1.74E-10	8.04E-09
3032	437503.35	3724599.1	6.24E-08	1.54E-09	6.39E-08	1.29E-08	3.47E-10	1.33E-08	6.70E-08	1.64E-09	6.86E-08	7.75E-09	1.76E-10	7.93E-09
3033	437519.7	3724592.35	6.15E-08	1.54E-09	6.31E-08	1.28E-08	3.49E-10	1.31E-08	6.61E-08	1.65E-09	6.77E-08	7.68E-09	1.77E-10	7.86E-09
3034	437536.06	3724585.6	6.10E-08	1.54E-09	6.26E-08	1.27E-08	3.52E-10	1.30E-08	6.56E-08	1.67E-09	6.73E-08	7.65E-09	1.79E-10	7.83E-09
3035	437585.11	3724565.36	5.52E-08	1.46E-09	5.67E-08	1.15E-08	3.40E-10	1.19E-08	5.94E-08	1.61E-09	6.10E-08	6.98E-09	1.74E-10	7.15E-09
3036	437609.95	3724561.1	5.56E-08	1.48E-09	5.71E-08	1.16E-08	3.46E-10	1.20E-08	5.98E-08	1.64E-09	6.15E-08	7.06E-09	1.78E-10	7.24E-09
3037	437626.93	3724566.07	5.89E-08	1.56E-09	6.04E-08	1.23E-08	3.65E-10	1.27E-08	6.33E-08	1.73E-09	6.51E-08	7.50E-09	1.88E-10	7.68E-09
3038	437643.91	3724571.04	6.23E-08	1.64E-09	6.39E-08	1.30E-08	3.85E-10	1.34E-08	6.70E-08	1.82E-09	6.89E-08	7.95E-09	1.98E-10	8.15E-09
3039	437660.88	3724576.01	6.70E-08	1.74E-09	6.87E-08	1.40E-08	4.10E-10	1.44E-08	7.21E-08	1.94E-09	7.41E-08	8.57E-09	2.11E-10	8.78E-09
3040	437677.86	3724580.98	7.32E-08	1.88E-09	7.50E-08	1.53E-08	4.43E-10	1.58E-08	7.88E-08	2.09E-09	8.09E-08	9.38E-09	2.28E-10	9.61E-09
3041	437694.84	3724585.95	7.96E-08	2.03E-09	8.17E-08	1.67E-08	4.76E-10	1.72E-08	8.58E-08	2.25E-09	8.80E-08	1.02E-08	2.45E-10	1.05E-08
3042	437711.81	3724590.92	8.67E-08	2.18E-09	8.89E-08	1.82E-08	5.10E-10	1.87E-08	9.34E-08	2.41E-09	9.58E-08	1.11E-08	2.62E-10	1.14E-08
3043	437728.79	3724595.89	9.45E-08	2.35E-09	9.68E-08	1.98E-08	5.48E-10	2.04E-08	1.02E-07	2.59E-09	1.04E-07	1.21E-08	2.81E-10	1.24E-08
3044	437745.77	3724600.85	1.03E-07	2.54E-09	1.06E-07	2.16E-08	5.90E-10	2.22E-08	1.11E-07	2.79E-09	1.14E-07	1.32E-08	3.02E-10	1.35E-08
3045	437762.74	3724605.82	1.13E-07	2.74E-09	1.16E-07	2.36E-08	6.34E-10	2.43E-08	1.22E-07	3.00E-09	1.25E-07	1.45E-08	3.24E-10	1.48E-08
3046	437779.72	3724610.79	1.23E-07	2.96E-09	1.26E-07	2.58E-08	6.82E-10	2.65E-08	1.33E-07	3.22E-09	1.36E-07	1.58E-08	3.48E-10	1.61E-08
3047	437796.7	3724615.76	1.35E-07	3.21E-09	1.38E-07	2.83E-08	7.36E-10	2.90E-08	1.46E-07	3.48E-09	1.49E-07	1.73E-08	3.75E-10	1.76E-08
3048	437813.68	3724620.73	1.48E-07	3.49E-09	1.52E-07	3.10E-08	7.94E-10	3.18E-08	1.60E-07	3.76E-09	1.64E-07	1.89E-08	4.04E-10	1.93E-08
3049	437362.23	3724616.51	7.31E-08	1.62E-09	7.47E-08	1.50E-08	3.40E-10	1.53E-08	7.83E-08	1.61E-09	7.99E-08	8.85E-09	1.67E-10	9.02E-09
3050	437378.58	3724609.77	6.98E-08	1.57E-09	7.14E-08	1.43E-08	3.33E-10	1.47E-08	7.48E-08	1.57E-09	7.64E-08	8.47E-09	1.64E-10	8.63E-09
3051	437394.94	3724603.02	6.68E-08	1.53E-09	6.83E-08	1.37E-08	3.26E-10	1.40E-08	7.16E-08	1.54E-09	7.31E-08	8.11E-09	1.61E-10	8.27E-09
3052	437411.29	3724596.27	6.40E-08	1.49E-09	6.55E-08	1.32E-08	3.20E-10	1.35E-08	6.86E-08	1.51E-09	7.01E-08	7.80E-09	1.59E-10	7.95E-09
3053	437427.64	3724589.52	6.16E-08	1.46E-09	6.30E-08	1.27E-08	3.16E-10	1.30E-08	6.60E-08	1.49E-09	6.75E-08	7.52E-09	1.57E-10	7.67E-09
3054	437443.99	3724582.77	5.95E-08	1.43E-09	6.09E-08	1.22E-08	3.13E-10	1.26E-08	6.38E-08	1.48E-09	6.52E-08	7.28E-09	1.57E-10	7.44E-09
3055	437460.34	3724576.03	5.76E-08	1.41E-09	5.91E-08	1.19E-08	3.11E-10	1.22E-08	6.18E-08	1.47E-09	6.33E-08	7.08E-09	1.56E-10	7.24E-09
3056	437476.69	3724569.28	5.61E-08	1.39E-09	5.75E-08	1.16E-08	3.10E-10	1.19E-08	6.02E-08	1.47E-09	6.17E-08	6.92E-09	1.56E-10	7.08E-09
3057	437493.05	3724562.53	5.50E-08	1.38E-09	5.64E-08	1.14E-08	3.11E-10	1.17E-08	5.90E-08	1.47E-09	6.05E-08	6.81E-09	1.57E-10	6.97E-09
3058	437509.4	3724555.78	5.41E-08	1.38E-09	5.55E-08	1.12E-08	3.12E-10	1.15E-08	5.81E-08	1.47E-09	5.96E-08	6.72E-09	1.58E-10	6.88E-09
3059	437558.45	3724535.54	5.09E-08	1.35E-09	5.23E-08	1.06E-08	3.12E-10	1.09E-08	5.47E-08	1.48E-09	5.62E-08	6.38E-09	1.60E-10	6.54E-09
3060	437574.8	3724528.79	4.81E-08	1.29E-09	4.94E-08	1.00E-08	3.01E-10	1.03E-08	5.17E-08	1.42E-09	5.31E-08	6.05E-09	1.54E-10	6.20E-09
3061	437591.16	3724522.04	4.68E-08	1.27E-09	4.81E-08	9.75E-09	2.97E-10	1.00E-08	5.03E-08	1.40E-09	5.18E-08	5.91E-09	1.53E-10	6.06E-09
3062	437607.82	3724521.15	4.83E-08	1.31E-09	4.96E-08	1.01E-08	3.07E-10	1.04E-08	5.20E-08	1.45E-09	5.34E-08	6.11E-09	1.58E-10	6.27E-09
3063	437624.8	3724526.12	5.11E-08	1.38E-09	5.24E-08	1.07E-08	3.24E-10	1.10E-08	5.49E-08	1.53E-09	5.64E-08	6.48E-09	1.67E-10	6.64E-09
3064	437641.77	3724531.09	5.44E-08	1.46E-09	5.59E-08	1.14E-08	3.44E-10	1.17E-08	5.86E-08	1.63E-09	6.02E-08	6.93E-09	1.77E-10	7.10E-09
3065	437658.75	3724536.06	5.85E-08	1.56E-09	6.01E-08	1.22E-08	3.67E-10	1.26E-08	6.30E-08	1.74E-09	6.47E-08	7.46E-09	1.89E-10	7.65E-09
3066	437675.73	3724541.03	6.33E-08	1.67E-09	6.50E-08	1.32E-08	3.93E-10	1.36E-08	6.81E-08	1.86E-09	7.00E-08	8.09E-09	2.03E-10	8.29E-09
3067	437692.71	3724546	6.87E-08	1.79E-09	7.05E-08	1.44E-08	4.22E-10	1.48E-08	7.40E-08	2.00E-09	7.59E-08	8.78E-09	2.17E-10	9.00E-09
3068	437709.68	3724550.97	7.48E-08	1.93E-09	7.67E-08	1.57E-08	4.53E-10	1.61E-08	8.05E-08	2.14E-09	8.27E-08	9.57E-09	2.33E-10	9.80E-09
3069	437726.66	3724555.94	8.08E-08	2.06E-09	8.28E-08	1.69E-08	4.84E-10	1.74E-08	8.70E-08	2.29E-09	8.93E-08	1.03E-08	2.49E-10	1.06E-08
3070	437743.64	3724560.91	8.74E-08	2.21E-09	8.97E-08	1.83E-08	5.16E-10	1.88E-08	9.42E-08	2.44E-09	9.66E-08	1.12E-08	2.65E-10	1.15E-08
3071	437760.61	3724565.88	9.51E-08	2.38E-09	9.74E-08	1.99E-08	5.53E-10	2.05E-08	1.02E-07	2.62E-09	1.05E-07	1.22E-08	2.84E-10	1.24E-08
3072	437777.59	3724570.85	1.03E-07	2.55E-09	1.05E-07	2.15E-08	5.91E-10	2.21E-08	1.11E-07	2.79E-09	1.14E-07	1.31E-08	3.02E-10	1.34E-08
3073	437794.57	3724575.82	1.11E-07	2.72E-09	1.14E-07	2.32E-08	6.29E-10	2.38E-08	1.19E-07	2.97E-09	1.22E-07	1.41E-08	3.21E-10	1.45E-08
3074	437811.54	3724580.79	1.20E-07	2.93E-09	1.23E-07	2.52E-08	6.73E-10	2.59E-08	1.30E-07	3.18E-09	1.33E-07	1.53E-08	3.43E-10	1.57E-08
3075	437828.52	3724585.76	1.31E-07	3.15E-09	1.34E-07	2.73E-08	7.20E-10	2.81E-08	1.41E-07	3.41E-09	1.44E-07	1.66E-08	3.67E-10	1.70E-08
3076	437335.57	3724586.69	6.81E-08	1.52E-09	6.96E-08	1.40E-08	3.19E-10	1.43E-08	7.29E-08	1.50E-09	7.45E-08	8.23E-09	1.56E-10	8.39E-09

3077	437351.92	3724579.94	6.51E-08	1.47E-09	6.66E-08	1.33E-08	3.10E-10	1.37E-08	6.97E-08	1.47E-09	7.12E-08	7.88E-09	1.53E-10	8.03E-09
3078	437368.28	3724573.2	6.22E-08	1.43E-09	6.37E-08	1.28E-08	3.03E-10	1.31E-08	6.67E-08	1.43E-09	6.81E-08	7.54E-09	1.50E-10	7.69E-09
3079	437384.63	3724566.45	5.96E-08	1.38E-09	6.10E-08	1.22E-08	2.96E-10	1.25E-08	6.38E-08	1.40E-09	6.52E-08	7.23E-09	1.47E-10	7.38E-09
3080	437400.98	3724559.7	5.72E-08	1.35E-09	5.86E-08	1.17E-08	2.91E-10	1.20E-08	6.13E-08	1.38E-09	6.27E-08	6.95E-09	1.45E-10	7.10E-09
3081	437417.33	3724552.95	5.50E-08	1.32E-09	5.64E-08	1.13E-08	2.87E-10	1.16E-08	5.90E-08	1.36E-09	6.03E-08	6.71E-09	1.43E-10	6.85E-09
3082	437433.68	3724546.2	5.31E-08	1.30E-09	5.44E-08	1.09E-08	2.84E-10	1.12E-08	5.70E-08	1.34E-09	5.83E-08	6.49E-09	1.42E-10	6.64E-09
3083	437450.04	3724539.46	5.15E-08	1.28E-09	5.28E-08	1.06E-08	2.82E-10	1.09E-08	5.52E-08	1.33E-09	5.66E-08	6.32E-09	1.42E-10	6.46E-09
3084	437466.39	3724532.71	5.01E-08	1.26E-09	5.14E-08	1.03E-08	2.81E-10	1.06E-08	5.37E-08	1.33E-09	5.51E-08	6.16E-09	1.42E-10	6.31E-09
3085	437482.74	3724525.96	4.90E-08	1.25E-09	5.03E-08	1.01E-08	2.81E-10	1.04E-08	5.26E-08	1.33E-09	5.39E-08	6.05E-09	1.42E-10	6.19E-09
3086	437580.85	3724485.47	4.31E-08	1.18E-09	4.43E-08	8.97E-09	2.75E-10	9.24E-09	4.63E-08	1.30E-09	4.76E-08	5.42E-09	1.41E-10	5.56E-09
3087	437605.69	3724481.21	4.38E-08	1.20E-09	4.50E-08	9.13E-09	2.83E-10	9.41E-09	4.71E-08	1.34E-09	4.85E-08	5.53E-09	1.45E-10	5.68E-09
3088	437622.67	3724486.18	4.59E-08	1.26E-09	4.72E-08	9.57E-09	2.96E-10	9.86E-09	4.94E-08	1.40E-09	5.08E-08	5.81E-09	1.52E-10	5.96E-09
3089	437639.64	3724491.15	4.85E-08	1.33E-09	4.99E-08	1.01E-08	3.12E-10	1.04E-08	5.22E-08	1.48E-09	5.37E-08	6.15E-09	1.61E-10	6.32E-09
3090	437656.62	3724496.12	5.17E-08	1.40E-09	5.31E-08	1.08E-08	3.31E-10	1.11E-08	5.56E-08	1.57E-09	5.72E-08	6.57E-09	1.71E-10	6.74E-09
3091	437673.6	3724501.09	5.56E-08	1.50E-09	5.71E-08	1.16E-08	3.53E-10	1.20E-08	5.98E-08	1.67E-09	6.15E-08	7.08E-09	1.82E-10	7.26E-09
3092	437690.57	3724506.06	6.01E-08	1.60E-09	6.17E-08	1.26E-08	3.78E-10	1.29E-08	6.47E-08	1.79E-09	6.65E-08	7.66E-09	1.95E-10	7.86E-09
3093	437707.55	3724511.03	6.52E-08	1.72E-09	6.69E-08	1.36E-08	4.05E-10	1.40E-08	7.02E-08	1.92E-09	7.21E-08	8.32E-09	2.09E-10	8.52E-09
3094	437724.53	3724516	7.05E-08	1.84E-09	7.24E-08	1.48E-08	4.33E-10	1.52E-08	7.59E-08	2.05E-09	7.80E-08	9.00E-09	2.23E-10	9.22E-09
3095	437741.51	3724520.97	7.61E-08	1.97E-09	7.81E-08	1.59E-08	4.62E-10	1.64E-08	8.19E-08	2.18E-09	8.41E-08	9.71E-09	2.37E-10	9.95E-09
3096	437758.48	3724525.94	8.17E-08	2.10E-09	8.38E-08	1.71E-08	4.90E-10	1.76E-08	8.79E-08	2.32E-09	9.02E-08	1.04E-08	2.51E-10	1.07E-08
3097	437775.46	3724530.91	8.79E-08	2.23E-09	9.01E-08	1.84E-08	5.21E-10	1.89E-08	9.46E-08	2.46E-09	9.70E-08	1.12E-08	2.67E-10	1.15E-08
3098	437210.8	3724597.36	8.14E-08	1.77E-09	8.32E-08	1.67E-08	3.70E-10	1.71E-08	8.72E-08	1.74E-09	8.89E-08	9.85E-09	1.81E-10	1.00E-08
3099	437227.16	3724590.61	7.86E-08	1.71E-09	8.03E-08	1.61E-08	3.56E-10	1.65E-08	8.42E-08	1.68E-09	8.58E-08	9.50E-09	1.74E-10	9.67E-09
3100	437243.51	3724583.86	7.57E-08	1.65E-09	7.73E-08	1.55E-08	3.44E-10	1.58E-08	8.10E-08	1.62E-09	8.27E-08	9.14E-09	1.68E-10	9.31E-09
3101	437259.86	3724577.11	7.27E-08	1.59E-09	7.43E-08	1.49E-08	3.32E-10	1.52E-08	7.79E-08	1.57E-09	7.95E-08	8.78E-09	1.62E-10	8.95E-09
3102	437276.21	3724570.37	6.98E-08	1.54E-09	7.13E-08	1.43E-08	3.21E-10	1.46E-08	7.47E-08	1.52E-09	7.62E-08	8.42E-09	1.57E-10	8.58E-09
3103	437292.56	3724563.62	6.68E-08	1.48E-09	6.83E-08	1.37E-08	3.11E-10	1.40E-08	7.16E-08	1.47E-09	7.30E-08	8.07E-09	1.52E-10	8.22E-09
3104	437308.91	3724556.87	6.39E-08	1.43E-09	6.54E-08	1.31E-08	3.01E-10	1.34E-08	6.85E-08	1.42E-09	6.99E-08	7.72E-09	1.48E-10	7.87E-09
3105	437325.27	3724550.12	6.11E-08	1.39E-09	6.25E-08	1.25E-08	2.92E-10	1.28E-08	6.55E-08	1.38E-09	6.69E-08	7.39E-09	1.44E-10	7.53E-09
3106	437341.62	3724543.38	5.85E-08	1.34E-09	5.98E-08	1.20E-08	2.85E-10	1.23E-08	6.26E-08	1.34E-09	6.40E-08	7.07E-09	1.40E-10	7.21E-09
3107	437357.97	3724536.63	5.60E-08	1.30E-09	5.73E-08	1.15E-08	2.78E-10	1.18E-08	6.00E-08	1.31E-09	6.13E-08	6.78E-09	1.37E-10	6.91E-09
3108	437374.32	3724529.88	5.36E-08	1.26E-09	5.49E-08	1.10E-08	2.72E-10	1.13E-08	5.75E-08	1.28E-09	5.87E-08	6.50E-09	1.35E-10	6.64E-09
3109	437390.67	3724523.13	5.15E-08	1.23E-09	5.28E-08	1.06E-08	2.67E-10	1.08E-08	5.52E-08	1.26E-09	5.65E-08	6.26E-09	1.33E-10	6.39E-09
3110	437407.03	3724516.38	4.96E-08	1.21E-09	5.08E-08	1.02E-08	2.63E-10	1.05E-08	5.32E-08	1.24E-09	5.44E-08	6.04E-09	1.31E-10	6.17E-09
3111	437423.38	3724509.64	4.79E-08	1.18E-09	4.91E-08	9.85E-09	2.60E-10	1.01E-08	5.13E-08	1.23E-09	5.26E-08	5.85E-09	1.30E-10	5.98E-09
3112	437439.73	3724502.89	4.64E-08	1.16E-09	4.76E-08	9.55E-09	2.58E-10	9.81E-09	4.98E-08	1.22E-09	5.10E-08	5.68E-09	1.29E-10	5.81E-09
3113	437570.54	3724448.9	3.85E-08	1.06E-09	3.96E-08	7.99E-09	2.48E-10	8.24E-09	4.14E-08	1.18E-09	4.25E-08	4.82E-09	1.28E-10	4.95E-09
3114	437586.89	3724442.16	3.84E-08	1.07E-09	3.95E-08	7.98E-09	2.50E-10	8.23E-09	4.13E-08	1.18E-09	4.25E-08	4.82E-09	1.29E-10	4.95E-09
3115	437603.56	3724441.27	3.96E-08	1.10E-09	4.07E-08	8.23E-09	2.59E-10	8.49E-09	4.25E-08	1.22E-09	4.37E-08	4.98E-09	1.33E-10	5.11E-09
3116	437620.54	3724446.24	4.16E-08	1.16E-09	4.28E-08	8.66E-09	2.72E-10	8.93E-09	4.47E-08	1.29E-09	4.60E-08	5.25E-09	1.40E-10	5.39E-09
3117	437637.51	3724451.21	4.39E-08	1.22E-09	4.51E-08	9.15E-09	2.86E-10	9.44E-09	4.72E-08	1.35E-09	4.86E-08	5.55E-09	1.48E-10	5.70E-09
3118	437654.49	3724456.18	4.66E-08	1.28E-09	4.78E-08	9.71E-09	3.03E-10	1.00E-08	5.01E-08	1.43E-09	5.15E-08	5.90E-09	1.56E-10	6.06E-09
3119	437671.47	3724461.15	4.96E-08	1.36E-09	5.09E-08	1.04E-08	3.21E-10	1.07E-08	5.33E-08	1.52E-09	5.49E-08	6.29E-09	1.65E-10	6.46E-09
3120	437688.44	3724466.12	5.32E-08	1.45E-09	5.46E-08	1.11E-08	3.41E-10	1.14E-08	5.72E-08	1.61E-09	5.88E-08	6.76E-09	1.76E-10	6.93E-09
3121	437705.42	3724471.09	5.73E-08	1.54E-09	5.89E-08	1.20E-08	3.64E-10	1.23E-08	6.17E-08	1.72E-09	6.34E-08	7.29E-09	1.88E-10	7.48E-09
3122	437722.4	3724476.06	6.14E-08	1.64E-09	6.30E-08	1.28E-08	3.86E-10	1.32E-08	6.61E-08	1.83E-09	6.79E-08	7.82E-09	1.99E-10	8.02E-09
3123	437739.37	3724481.03	6.58E-08	1.74E-09	6.76E-08	1.38E-08	4.10E-10	1.42E-08	7.08E-08	1.94E-09	7.28E-08	8.38E-09	2.11E-10	8.59E-09
3124	437841.24	3724510.84	9.50E-08	2.41E-09	9.74E-08	1.98E-08	5.57E-10	2.04E-08	1.02E-07	2.63E-09	1.05E-07	1.20E-08	2.85E-10	1.23E-08
3125	437858.21	3724515.81	1.01E-07	2.55E-09	1.04E-07	2.11E-08	5.87E-10	2.17E-08	1.09E-07	2.78E-09	1.12E-07	1.28E-08	3.00E-10	1.31E-08
3126	437200.5	3724560.79	7.35E-08	1.63E-09	7.51E-08	1.51E-08	3.41E-10	1.54E-08	7.87E-08	1.61E-09	8.03E-08	8.88E-09	1.67E-10	9.05E-09
3127	437216.85	3724554.04	7.09E-08	1.57E-09	7.24E-08	1.45E-08	3.28E-10	1.48E-08	7.59E-08	1.55E-09	7.75E-08	8.56E-09	1.61E-10	8.72E-09
3128	437233.2	3724547.29	6.82E-08	1.52E-09	6.98E-08	1.40E-08	3.17E-10	1.43E-08	7.31E-08	1.50E-09	7.46E-08	8.24E-09	1.55E-10	8.40E-09
3129	437249.55	3724540.55	6.56E-08	1.46E-09	6.71E-08	1.34E-08	3.06E-10	1.37E-08	7.02E-08	1.44E-09	7.17E-08	7.92E-09	1.50E-10	8.07E-09
3130	437265.9	3724533.8	6.29E-08	1.41E-09	6.43E-08	1.29E-08	2.96E-10	1.32E-08	6.74E-08	1.40E-09	6.88E-08	7.59E-09	1.45E-10	7.74E-09
3131	437282.26	3724527.05	6.03E-08	1.36E-09	6.17E-08	1.23E-08	2.87E-10	1.26E-08	6.46E-08	1.35E-09	6.59E-08	7.28E-09	1.41E-10	7.42E-09
3132	437298.61	3724520.3	5.78E-08	1.32E-09	5.91E-08	1.18E-08	2.78E-10	1.21E-08	6.18E-08	1.31E-09	6.32E-08	6.97E-09	1.37E-10	7.11E-09
3133	437314.96	3724513.55	5.53E-08	1.27E-09	5.66E-08	1.13E-08	2.70E-10	1.16E-08	5.92E-08	1.27E-09	6.05E-08	6.68E-09	1.33E-10	6.81E-09
3134	437331.31	3724506.81	5.29E-08	1.23E-09	5.42E-08	1.08E-08	2.63E-10	1.11E-08	5.67E-08	1.24E-09	5.79E-08	6.40E-09	1.30E-10	6.53E-09
3135	437347.66	3724500.06	5.07E-08	1.20E-09	5.19E-08	1.04E-08	2.57E-10	1.07E-08	5.43E-08	1.21E-09	5.56E-08	6.14E-09	1.27E-10	6.27E-09
3136	437364.01	3724493.31	4.86E-08	1.16E-09	4.98E-08	9.97E-09	2.51E-10	1.02E-08	5.21E-08	1.18E-09	5.33E-08	5.89E-09	1.25E-10	6.02E-09
3137	437380.37	3724486.56	4.68E-08	1.13E-09	4.79E-08	9.60E-09	2.46E-10	9.84E-09	5.01E-08	1.16E-09	5.13E-08	5.68E-09	1.23E-10	5.80E-09
3138	437396.72	3724479.81	4.51E-08	1.11E-09	4.62E-08	9.25E-09	2.42E-10	9.49E-09	4.83E-08	1.14E-09	4.94E-08	5.48E-09	1.21E-10	5.60E-09
3139	437413.07	3724473.07	4.35E-08	1.08E-09	4.46E-08	8.95E-09	2.39E-10	9.19E-09	4.67E-08	1.13E-09	4.78E-08	5.31E-09	1.20E-10	5.43E-09
3140	437511.18	3724432.58	3.51E-08	9.56E-10	3.61E-08	7.25E-09	2.20E-10	7.47E-09	3.77E-08	1.04E-09	3.87E-08	4.34E-09	1.12E-10	4.46E-09
3141	437527.53	3724425.83	3.44E-08	9.47E-10	3.53E-08	7.12E-09	2.19E-10	7.33E-09	3.69E-08	1.03E-09	3.79E-08	4.27E-09	1.12E-10	4.38E-09
3142	437543.88	3724419.08	3.42E-08	9.49E-10	3.51E-08	7.08E-09	2.20E-10	7.30E-09	3.67E-08	1.04E-09	3.77E-08	4.25E-09	1.13E-10	4.37E-09
3143	437560.24	3724412.34	3.41E-08	9.54E-10	3.51E-08	7.08E-09	2.22E-10	7.30E-09	3.66E-08	1.05E-09	3.77E-08	4.26E-09	1.14E-10	4.37E-09
3144	437576.59	3724405.59	3.44E-08	9.66E-10	3.54E-08	7.14E-09	2.26E-10	7.36E-09	3.69E-08	1.07E-09	3.80E-08	4.30E-09	1.16E-10	4.42E-09
3145	437601.43	3724401.32	3.57E-08	1.01E-09	3.67E-08	7.42E-09	2.36E-10	7.66E-09	3.84E-08	1.12E-09	3.95E-08	4.48E-09	1.22E-10	4.60E-09
3146	437618.4	3724406.29	3.75E-08	1.05E-09	3.86E-08	7.80E-09	2.48E-10	8.05E-09	4.03E-08	1.17E-09	4.15E-08	4.72E-09	1.28E-10	4.85E-09
3147	437635.38	3724411.26	3.95E-08	1.11E-09	4.06E-08	8.21E-09	2.61E-10	8.48E-09	4.24E-08	1.24E-09	4.36E-08	4.98E-09	1.35E-10	5.11E-09
3148	437652.36	3724416.23	4.17E-08	1.17E-09	4.29E-08	8.69E-09	2.75E-10	8.97E-09	4.48E-08	1.30E-09	4.62E-08	5.27E-09	1.42E-10	5.41E-09
3149	437669.34	3724421.2	4.42E-08	1.23E-09	4.54E-08	9.22E-09	2.91E-10	9.51E-09	4.75E-08	1.37E-09	4.89E-08	5.60E-09	1.50E-10	5.75E-09
3150	437686.31	3724426.17	4.71E-08	1.30E-09	4.84E-08	9.83E-09	3.08E-10	1.01E-08	5.07E-08	1.46E-09	5.21E-08	5.98E-09	1.59E-10	6.13E-09
3151	437703.29	3724431.14	5.03E-08	1.38E-09	5.17E-08	1.05E-08	3.26E-10	1.08E-08	5.41E-08	1.54E-09	5.57E-08	6.39E-09	1.68E-10	6.55E-09
3152	437805.15	3724460.96	7.14E-08	1.88E-09	7.33E-08	1.49E-08	4.41E-10	1.54E-08	7.69E-08	2.08E-09	7.89E-08	9.07E-09	2.26E-10	9.30E-09
3153	437822.13	3724465.93	7.60E-08	1.99E-09	7.80E-08	1.59E-08	4.64E-10	1.63E-08	8.17E-08	2.19E-09	8.39E-08	9.64E-09	2.38E-10	9.88E-09

3154	437839.1	3724470.9	8.08E-08	2.10E-09	8.29E-08	1.69E-08	4.88E-10	1.73E-08	8.69E-08	2.31E-09	8.92E-08	1.02E-08	2.50E-10	1.05E-08
3155	437856.08	3724475.87	8.58E-08	2.21E-09	8.80E-08	1.79E-08	5.13E-10	1.84E-08	9.23E-08	2.43E-09	9.47E-08	1.09E-08	2.63E-10	1.11E-08
3156	437873.06	3724480.84	9.04E-08	2.32E-09	9.27E-08	1.88E-08	5.36E-10	1.94E-08	9.72E-08	2.54E-09	9.98E-08	1.14E-08	2.74E-10	1.17E-08
3157	437890.04	3724485.81	9.51E-08	2.43E-09	9.76E-08	1.98E-08	5.60E-10	2.04E-08	1.02E-07	2.65E-09	1.05E-07	1.20E-08	2.86E-10	1.23E-08
3158	438042.83	3724530.54	1.47E-07	3.61E-09	1.50E-07	3.03E-08	8.11E-10	3.12E-08	1.57E-07	3.83E-09	1.61E-07	1.82E-08	4.10E-10	1.86E-08
3159	438059.81	3724535.51	1.53E-07	3.75E-09	1.56E-07	3.16E-08	8.42E-10	3.25E-08	1.64E-07	3.98E-09	1.68E-07	1.90E-08	4.25E-10	1.94E-08
3160	437206.54	3724517.47	6.43E-08	1.45E-09	6.58E-08	1.32E-08	3.04E-10	1.35E-08	6.89E-08	1.43E-09	7.03E-08	7.77E-09	1.49E-10	7.92E-09
3161	437222.89	3724510.72	6.20E-08	1.40E-09	6.34E-08	1.27E-08	2.93E-10	1.30E-08	6.63E-08	1.38E-09	6.77E-08	7.48E-09	1.44E-10	7.62E-09
3162	437239.25	3724503.98	5.95E-08	1.35E-09	6.09E-08	1.22E-08	2.84E-10	1.25E-08	6.37E-08	1.34E-09	6.51E-08	7.18E-09	1.39E-10	7.32E-09
3163	437255.6	3724497.23	5.72E-08	1.30E-09	5.85E-08	1.17E-08	2.74E-10	1.20E-08	6.12E-08	1.29E-09	6.25E-08	6.90E-09	1.35E-10	7.03E-09
3164	437271.95	3724490.48	5.48E-08	1.26E-09	5.61E-08	1.12E-08	2.66E-10	1.15E-08	5.87E-08	1.25E-09	5.99E-08	6.61E-09	1.31E-10	6.74E-09
3165	437288.3	3724483.73	5.25E-08	1.21E-09	5.37E-08	1.08E-08	2.58E-10	1.10E-08	5.62E-08	1.22E-09	5.75E-08	6.34E-09	1.27E-10	6.47E-09
3166	437304.65	3724476.98	5.03E-08	1.17E-09	5.15E-08	1.03E-08	2.50E-10	1.06E-08	5.39E-08	1.18E-09	5.51E-08	6.07E-09	1.24E-10	6.20E-09
3167	437321	3724470.24	4.82E-08	1.14E-09	4.94E-08	9.88E-09	2.44E-10	1.01E-08	5.16E-08	1.15E-09	5.28E-08	5.83E-09	1.21E-10	5.95E-09
3168	437337.36	3724463.49	4.63E-08	1.10E-09	4.74E-08	9.49E-09	2.38E-10	9.72E-09	4.96E-08	1.12E-09	5.07E-08	5.60E-09	1.18E-10	5.72E-09
3169	437353.71	3724456.74	4.44E-08	1.07E-09	4.55E-08	9.11E-09	2.33E-10	9.34E-09	4.76E-08	1.10E-09	4.87E-08	5.38E-09	1.16E-10	5.50E-09
3170	437370.06	3724449.99	4.28E-08	1.05E-09	4.38E-08	8.77E-09	2.28E-10	9.00E-09	4.58E-08	1.08E-09	4.69E-08	5.19E-09	1.14E-10	5.30E-09
3171	437386.41	3724443.25	4.12E-08	1.02E-09	4.23E-08	8.47E-09	2.25E-10	8.69E-09	4.42E-08	1.06E-09	4.52E-08	5.01E-09	1.12E-10	5.13E-09
3172	437484.52	3724402.76	3.29E-08	8.92E-10	3.38E-08	6.78E-09	2.04E-10	6.99E-09	3.53E-08	9.63E-10	3.62E-08	4.05E-09	1.04E-10	4.15E-09
3173	437500.87	3724396.01	3.18E-08	8.74E-10	3.27E-08	6.58E-09	2.01E-10	6.78E-09	3.42E-08	9.49E-10	3.51E-08	3.93E-09	1.02E-10	4.03E-09
3174	437517.23	3724389.26	3.13E-08	8.69E-10	3.22E-08	6.47E-09	2.01E-10	6.68E-09	3.36E-08	9.48E-10	3.46E-08	3.88E-09	1.03E-10	3.98E-09
3175	437533.58	3724382.51	3.09E-08	8.66E-10	3.18E-08	6.40E-09	2.01E-10	6.60E-09	3.32E-08	9.50E-10	3.42E-08	3.84E-09	1.03E-10	3.94E-09
3176	437549.93	3724375.77	3.10E-08	8.72E-10	3.18E-08	6.41E-09	2.03E-10	6.62E-09	3.32E-08	9.60E-10	3.42E-08	3.85E-09	1.04E-10	3.96E-09
3177	437566.28	3724369.02	3.12E-08	8.82E-10	3.21E-08	6.46E-09	2.06E-10	6.67E-09	3.35E-08	9.76E-10	3.45E-08	3.89E-09	1.06E-10	4.00E-09
3178	437582.63	3724362.27	3.16E-08	8.98E-10	3.25E-08	6.55E-09	2.11E-10	6.76E-09	3.39E-08	9.96E-10	3.49E-08	3.95E-09	1.08E-10	4.06E-09
3179	437599.3	3724361.38	3.25E-08	9.25E-10	3.34E-08	6.74E-09	2.17E-10	6.96E-09	3.49E-08	1.03E-09	3.59E-08	4.07E-09	1.12E-10	4.18E-09
3180	437616.27	3724366.35	3.40E-08	9.67E-10	3.50E-08	7.07E-09	2.28E-10	7.30E-09	3.65E-08	1.08E-09	3.76E-08	4.27E-09	1.17E-10	4.39E-09
3181	437633.25	3724371.32	3.56E-08	1.01E-09	3.66E-08	7.41E-09	2.39E-10	7.65E-09	3.83E-08	1.13E-09	3.94E-08	4.48E-09	1.23E-10	4.61E-09
3182	437650.23	3724376.29	3.75E-08	1.06E-09	3.85E-08	7.80E-09	2.51E-10	8.05E-09	4.03E-08	1.19E-09	4.15E-08	4.73E-09	1.29E-10	4.86E-09
3183	437667.2	3724381.26	3.94E-08	1.11E-09	4.05E-08	8.21E-09	2.63E-10	8.47E-09	4.24E-08	1.24E-09	4.36E-08	4.98E-09	1.36E-10	5.11E-09
3184	437684.18	3724386.23	4.15E-08	1.17E-09	4.27E-08	8.66E-09	2.76E-10	8.94E-09	4.47E-08	1.31E-09	4.60E-08	5.26E-09	1.43E-10	5.40E-09
3185	437769.07	3724411.08	5.48E-08	1.49E-09	5.63E-08	1.14E-08	3.52E-10	1.18E-08	5.89E-08	1.67E-09	6.06E-08	6.95E-09	1.82E-10	7.13E-09
3186	437786.04	3724416.05	5.80E-08	1.57E-09	5.96E-08	1.21E-08	3.70E-10	1.25E-08	6.24E-08	1.75E-09	6.42E-08	7.37E-09	1.91E-10	7.56E-09
3187	437803.02	3724421.02	6.15E-08	1.66E-09	6.32E-08	1.28E-08	3.89E-10	1.32E-08	6.62E-08	1.84E-09	6.80E-08	7.81E-09	2.00E-10	8.01E-09
3188	437820	3724425.99	6.54E-08	1.75E-09	6.71E-08	1.36E-08	4.10E-10	1.41E-08	7.03E-08	1.94E-09	7.23E-08	8.29E-09	2.11E-10	8.50E-09
3189	437836.97	3724430.96	6.93E-08	1.84E-09	7.12E-08	1.45E-08	4.30E-10	1.49E-08	7.46E-08	2.04E-09	7.66E-08	8.78E-09	2.21E-10	9.00E-09
3190	437853.95	3724435.93	7.34E-08	1.94E-09	7.53E-08	1.53E-08	4.51E-10	1.58E-08	7.89E-08	2.13E-09	8.11E-08	9.29E-09	2.32E-10	9.52E-09
3191	437870.93	3724440.9	7.74E-08	2.03E-09	7.94E-08	1.61E-08	4.72E-10	1.66E-08	8.32E-08	2.23E-09	8.54E-08	9.78E-09	2.42E-10	1.00E-08
3192	437887.9	3724445.87	8.12E-08	2.12E-09	8.34E-08	1.69E-08	4.92E-10	1.74E-08	8.74E-08	2.33E-09	8.97E-08	1.03E-08	2.52E-10	1.05E-08
3193	437904.88	3724450.84	8.55E-08	2.22E-09	8.78E-08	1.78E-08	5.14E-10	1.83E-08	9.20E-08	2.43E-09	9.44E-08	1.08E-08	2.63E-10	1.11E-08
3194	437921.86	3724455.81	9.01E-08	2.33E-09	9.24E-08	1.87E-08	5.37E-10	1.93E-08	9.68E-08	2.54E-09	9.93E-08	1.13E-08	2.74E-10	1.16E-08
3195	437989.77	3724475.68	1.10E-07	2.79E-09	1.13E-07	2.29E-08	6.37E-10	2.35E-08	1.18E-07	3.01E-09	1.21E-07	1.38E-08	3.24E-10	1.41E-08
3196	438006.74	3724480.65	1.16E-07	2.93E-09	1.19E-07	2.41E-08	6.66E-10	2.47E-08	1.25E-07	3.15E-09	1.28E-07	1.45E-08	3.38E-10	1.48E-08
3197	438023.72	3724485.62	1.22E-07	3.07E-09	1.25E-07	2.53E-08	6.96E-10	2.60E-08	1.31E-07	3.29E-09	1.34E-07	1.52E-08	3.53E-10	1.56E-08
3198	438040.7	3724490.59	1.28E-07	3.21E-09	1.31E-07	2.65E-08	7.25E-10	2.73E-08	1.37E-07	3.43E-09	1.41E-07	1.59E-08	3.68E-10	1.63E-08
3199	438057.67	3724495.56	1.34E-07	3.34E-09	1.37E-07	2.77E-08	7.54E-10	2.84E-08	1.44E-07	3.56E-09	1.47E-07	1.66E-08	3.82E-10	1.70E-08
3200	438074.65	3724500.53	1.40E-07	3.48E-09	1.43E-07	2.89E-08	7.84E-10	2.97E-08	1.50E-07	3.70E-09	1.54E-07	1.73E-08	3.96E-10	1.77E-08
3201	438091.63	3724505.5	1.46E-07	3.64E-09	1.50E-07	3.03E-08	8.16E-10	3.11E-08	1.57E-07	3.86E-09	1.61E-07	1.81E-08	4.12E-10	1.86E-08
3202	437196.23	3724480.9	5.88E-08	1.34E-09	6.01E-08	1.20E-08	2.83E-10	1.23E-08	6.29E-08	1.34E-09	6.43E-08	7.09E-09	1.39E-10	7.23E-09
3203	437212.59	3724474.15	5.66E-08	1.29E-09	5.78E-08	1.16E-08	2.73E-10	1.18E-08	6.06E-08	1.29E-09	6.18E-08	6.82E-09	1.34E-10	6.96E-09
3204	437228.94	3724467.41	5.44E-08	1.25E-09	5.57E-08	1.11E-08	2.64E-10	1.14E-08	5.83E-08	1.25E-09	5.95E-08	6.56E-09	1.30E-10	6.69E-09
3205	437245.29	3724460.66	5.22E-08	1.20E-09	5.35E-08	1.07E-08	2.55E-10	1.09E-08	5.59E-08	1.20E-09	5.71E-08	6.30E-09	1.26E-10	6.43E-09
3206	437261.64	3724453.91	5.01E-08	1.16E-09	5.13E-08	1.03E-08	2.47E-10	1.05E-08	5.37E-08	1.17E-09	5.48E-08	6.05E-09	1.22E-10	6.17E-09
3207	437277.99	3724447.16	4.81E-08	1.13E-09	4.92E-08	9.85E-09	2.40E-10	1.01E-08	5.15E-08	1.13E-09	5.26E-08	5.80E-09	1.19E-10	5.92E-09
3208	437294.35	3724440.42	4.61E-08	1.09E-09	4.72E-08	9.44E-09	2.34E-10	9.67E-09	4.94E-08	1.10E-09	5.05E-08	5.57E-09	1.16E-10	5.68E-09
3209	437310.7	3724433.67	4.42E-08	1.06E-09	4.53E-08	9.06E-09	2.27E-10	9.29E-09	4.74E-08	1.07E-09	4.84E-08	5.34E-09	1.13E-10	5.46E-09
3210	437327.05	3724426.92	4.25E-08	1.03E-09	4.36E-08	8.71E-09	2.22E-10	8.93E-09	4.55E-08	1.05E-09	4.66E-08	5.14E-09	1.10E-10	5.25E-09
3211	437343.4	3724420.17	4.09E-08	9.99E-10	4.19E-08	8.38E-09	2.17E-10	8.60E-09	4.38E-08	1.03E-09	4.48E-08	4.95E-09	1.08E-10	5.06E-09
3212	437359.75	3724413.42	3.93E-08	9.73E-10	4.03E-08	8.07E-09	2.13E-10	8.28E-09	4.21E-08	1.00E-09	4.31E-08	4.77E-09	1.06E-10	4.88E-09
3213	437474.21	3724366.19	3.08E-08	8.39E-10	3.16E-08	6.35E-09	1.91E-10	6.54E-09	3.30E-08	9.05E-10	3.39E-08	3.79E-09	9.74E-11	3.88E-09
3214	437490.57	3724359.44	2.96E-08	8.15E-10	3.04E-08	6.10E-09	1.87E-10	6.29E-09	3.17E-08	8.85E-10	3.26E-08	3.64E-09	9.54E-11	3.74E-09
3215	437506.92	3724352.69	2.88E-08	8.03E-10	2.96E-08	5.95E-09	1.85E-10	6.14E-09	3.09E-08	8.77E-10	3.18E-08	3.56E-09	9.48E-11	3.66E-09
3216	437523.27	3724345.94	2.85E-08	8.02E-10	2.93E-08	5.89E-09	1.86E-10	6.08E-09	3.06E-08	8.79E-10	3.15E-08	3.53E-09	9.52E-11	3.63E-09
3217	437539.62	3724339.2	2.84E-08	8.06E-10	2.93E-08	5.89E-09	1.88E-10	6.07E-09	3.05E-08	8.87E-10	3.14E-08	3.53E-09	9.62E-11	3.63E-09
3218	437555.97	3724332.45	2.86E-08	8.15E-10	2.94E-08	5.93E-09	1.90E-10	6.12E-09	3.07E-08	9.00E-10	3.16E-08	3.56E-09	9.78E-11	3.66E-09
3219	437572.33	3724325.7	2.88E-08	8.25E-10	2.97E-08	5.98E-09	1.93E-10	6.17E-09	3.10E-08	9.14E-10	3.19E-08	3.60E-09	9.93E-11	3.70E-09
3220	437597.17	3724321.44	2.98E-08	8.56E-10	3.07E-08	6.18E-09	2.01E-10	6.38E-09	3.20E-08	9.52E-10	3.29E-08	3.73E-09	1.04E-10	3.83E-09
3221	437614.14	3724326.41	3.10E-08	8.90E-10	3.19E-08	6.44E-09	2.10E-10	6.65E-09	3.33E-08	9.93E-10	3.43E-08	3.89E-09	1.08E-10	3.99E-09
3222	437631.12	3724331.38	3.24E-08	9.31E-10	3.34E-08	6.74E-09	2.20E-10	6.96E-09	3.48E-08	1.04E-09	3.59E-08	4.07E-09	1.13E-10	4.19E-09
3223	437648.1	3724336.35	3.40E-08	9.75E-10	3.50E-08	7.08E-09	2.30E-10	7.31E-09	3.66E-08	1.09E-09	3.77E-08	4.28E-09	1.19E-10	4.40E-09
3224	437665.07	3724341.32	3.56E-08	1.02E-09	3.66E-08	7.41E-09	2.41E-10	7.65E-09	3.83E-08	1.14E-09	3.94E-08	4.49E-09	1.24E-10	4.61E-09
3225	437732.98	3724361.2	4.34E-08	1.22E-09	4.47E-08	9.06E-09	2.89E-10	9.35E-09	4.67E-08	1.37E-09	4.81E-08	5.50E-09	1.49E-10	5.65E-09
3226	437749.96	3724366.17	4.58E-08	1.28E-09	4.71E-08	9.55E-09	3.02E-10	9.85E-09	4.92E-08	1.43E-09	5.07E-08	5.80E-09	1.56E-10	5.96E-09
3227	437766.94	3724371.14	4.82E-08	1.34E-09	4.96E-08	1.01E-08	3.17E-10	1.04E-08	5.19E-08	1.50E-09	5.34E-08	6.11E-09	1.63E-10	6.27E-09
3228	437783.91	3724376.1	5.08E-08	1.40E-09	5.22E-08	1.06E-08	3.31E-10	1.09E-08	5.46E-08	1.57E-09	5.62E-08	6.44E-09	1.71E-10	6.61E-09
3229	437800.89	3724381.07	5.36E-08	1.47E-09	5.51E-08	1.12E-08	3.46E-10	1.15E-08	5.76E-08	1.64E-09	5.93E-08	6.79E-09	1.79E-10	6.97E-09
3230	437817.87	3724386.04	5.65E-08	1.54E-09	5.80E-08	1.18E-08	3.63E-10	1.21E-08	6.07E-08	1.71E-09	6.24E-08	7.15E-09	1.87E-10	7.34E-09

3231	437834.84	3724391.01	5.96E-08	1.62E-09	6.12E-08	1.24E-08	3.79E-10	1.28E-08	6.41E-08	1.79E-09	6.59E-08	7.54E-09	1.95E-10	7.74E-09
3232	437851.82	3724395.98	6.29E-08	1.70E-09	6.46E-08	1.31E-08	3.97E-10	1.35E-08	6.76E-08	1.88E-09	6.95E-08	7.96E-09	2.04E-10	8.16E-09
3233	437868.8	3724400.95	6.64E-08	1.78E-09	6.82E-08	1.38E-08	4.16E-10	1.43E-08	7.14E-08	1.97E-09	7.34E-08	8.39E-09	2.14E-10	8.61E-09
3234	437885.77	3724405.92	7.00E-08	1.86E-09	7.18E-08	1.46E-08	4.35E-10	1.50E-08	7.52E-08	2.06E-09	7.73E-08	8.84E-09	2.23E-10	9.06E-09
3235	437902.75	3724410.89	7.37E-08	1.95E-09	7.57E-08	1.53E-08	4.54E-10	1.58E-08	7.92E-08	2.15E-09	8.14E-08	9.30E-09	2.33E-10	9.53E-09
3236	437953.68	3724425.8	8.62E-08	2.25E-09	8.84E-08	1.79E-08	5.19E-10	1.84E-08	9.26E-08	2.45E-09	9.50E-08	1.08E-08	2.65E-10	1.11E-08
3237	437970.66	3724430.77	9.12E-08	2.37E-09	9.36E-08	1.90E-08	5.44E-10	1.95E-08	9.80E-08	2.57E-09	1.01E-07	1.14E-08	2.78E-10	1.17E-08
3238	437987.64	3724435.74	9.64E-08	2.49E-09	9.89E-08	2.00E-08	5.71E-10	2.06E-08	1.04E-07	2.70E-09	1.06E-07	1.21E-08	2.91E-10	1.24E-08
3239	438004.61	3724440.71	1.02E-07	2.61E-09	1.04E-07	2.11E-08	5.97E-10	2.17E-08	1.09E-07	2.82E-09	1.12E-07	1.27E-08	3.04E-10	1.30E-08
3240	438021.59	3724445.68	1.07E-07	2.74E-09	1.10E-07	2.22E-08	6.24E-10	2.28E-08	1.15E-07	2.95E-09	1.18E-07	1.34E-08	3.18E-10	1.37E-08
3241	438038.57	3724450.65	1.13E-07	2.87E-09	1.15E-07	2.33E-08	6.52E-10	2.40E-08	1.21E-07	3.08E-09	1.24E-07	1.40E-08	3.31E-10	1.44E-08
3242	438055.54	3724455.62	1.18E-07	2.99E-09	1.21E-07	2.44E-08	6.79E-10	2.51E-08	1.27E-07	3.21E-09	1.30E-07	1.47E-08	3.45E-10	1.50E-08
3243	438072.52	3724460.59	1.23E-07	3.12E-09	1.26E-07	2.55E-08	7.06E-10	2.62E-08	1.32E-07	3.34E-09	1.36E-07	1.53E-08	3.58E-10	1.57E-08
3244	438089.5	3724465.56	1.29E-07	3.25E-09	1.32E-07	2.67E-08	7.34E-10	2.74E-08	1.38E-07	3.47E-09	1.42E-07	1.60E-08	3.72E-10	1.64E-08
3245	438106.47	3724470.53	1.35E-07	3.39E-09	1.38E-07	2.79E-08	7.64E-10	2.86E-08	1.45E-07	3.61E-09	1.48E-07	1.67E-08	3.86E-10	1.71E-08
3246	437185.93	3724444.33	5.39E-08	1.24E-09	5.52E-08	1.10E-08	2.64E-10	1.13E-08	5.77E-08	1.25E-09	5.90E-08	6.50E-09	1.30E-10	6.63E-09
3247	437202.28	3724437.59	5.19E-08	1.20E-09	5.31E-08	1.06E-08	2.55E-10	1.09E-08	5.56E-08	1.20E-09	5.68E-08	6.26E-09	1.26E-10	6.39E-09
3248	437218.63	3724430.84	4.99E-08	1.16E-09	5.11E-08	1.02E-08	2.47E-10	1.05E-08	5.35E-08	1.16E-09	5.46E-08	6.02E-09	1.22E-10	6.14E-09
3249	437234.98	3724424.09	4.80E-08	1.12E-09	4.91E-08	9.82E-09	2.39E-10	1.01E-08	5.14E-08	1.13E-09	5.25E-08	5.79E-09	1.18E-10	5.91E-09
3250	437251.33	3724417.34	4.61E-08	1.08E-09	4.72E-08	9.43E-09	2.32E-10	9.66E-09	4.93E-08	1.09E-09	5.04E-08	5.56E-09	1.15E-10	5.67E-09
3251	437267.69	3724410.59	4.43E-08	1.05E-09	4.53E-08	9.06E-09	2.25E-10	9.28E-09	4.74E-08	1.06E-09	4.84E-08	5.34E-09	1.11E-10	5.45E-09
3252	437284.04	3724403.85	4.25E-08	1.02E-09	4.35E-08	8.70E-09	2.18E-10	8.92E-09	4.55E-08	1.03E-09	4.65E-08	5.13E-09	1.08E-10	5.24E-09
3253	437300.39	3724397.1	4.08E-08	9.86E-10	4.18E-08	8.36E-09	2.13E-10	8.57E-09	4.37E-08	1.01E-09	4.47E-08	4.93E-09	1.06E-10	5.04E-09
3254	437316.74	3724390.35	3.92E-08	9.58E-10	4.02E-08	8.04E-09	2.08E-10	8.25E-09	4.20E-08	9.81E-10	4.30E-08	4.74E-09	1.04E-10	4.85E-09
3255	437333.09	3724383.6	3.78E-08	9.32E-10	3.87E-08	7.74E-09	2.03E-10	7.94E-09	4.04E-08	9.59E-10	4.14E-08	4.57E-09	1.01E-10	4.67E-09
3256	437480.26	3724322.87	2.73E-08	7.55E-10	2.80E-08	5.62E-09	1.73E-10	5.80E-09	2.92E-08	8.19E-10	3.01E-08	3.36E-09	8.84E-11	3.44E-09
3257	437496.61	3724316.12	2.68E-08	7.49E-10	2.75E-08	5.52E-09	1.73E-10	5.70E-09	2.87E-08	8.17E-10	2.95E-08	3.30E-09	8.83E-11	3.39E-09
3258	437512.96	3724309.38	2.65E-08	7.49E-10	2.73E-08	5.48E-09	1.73E-10	5.65E-09	2.85E-08	8.20E-10	2.93E-08	3.28E-09	8.88E-11	3.37E-09
3259	437529.31	3724302.63	2.64E-08	7.49E-10	2.71E-08	5.45E-09	1.74E-10	5.62E-09	2.83E-08	8.24E-10	2.91E-08	3.27E-09	8.93E-11	3.36E-09
3260	437545.67	3724295.88	2.64E-08	7.56E-10	2.72E-08	5.47E-09	1.77E-10	5.65E-09	2.84E-08	8.35E-10	2.92E-08	3.28E-09	9.06E-11	3.37E-09
3261	437562.02	3724289.13	2.66E-08	7.64E-10	2.74E-08	5.51E-09	1.79E-10	5.68E-09	2.85E-08	8.46E-10	2.94E-08	3.31E-09	9.19E-11	3.40E-09
3262	437578.37	3724282.38	2.69E-08	7.76E-10	2.76E-08	5.57E-09	1.82E-10	5.75E-09	2.88E-08	8.62E-10	2.97E-08	3.35E-09	9.38E-11	3.44E-09
3263	437595.03	3724281.49	2.75E-08	7.96E-10	2.83E-08	5.71E-09	1.87E-10	5.89E-09	2.95E-08	8.86E-10	3.04E-08	3.44E-09	9.65E-11	3.53E-09
3264	437612.01	3724286.46	2.86E-08	8.28E-10	2.94E-08	5.94E-09	1.95E-10	6.13E-09	3.07E-08	9.24E-10	3.16E-08	3.58E-09	1.01E-10	3.68E-09
3265	437628.99	3724291.43	2.98E-08	8.61E-10	3.06E-08	6.18E-09	2.03E-10	6.39E-09	3.20E-08	9.62E-10	3.29E-08	3.73E-09	1.05E-10	3.84E-09
3266	437713.87	3724316.28	3.71E-08	1.06E-09	3.82E-08	7.73E-09	2.51E-10	7.98E-09	3.99E-08	1.19E-09	4.11E-08	4.68E-09	1.30E-10	4.81E-09
3267	437730.85	3724321.25	3.88E-08	1.11E-09	3.99E-08	8.09E-09	2.62E-10	8.35E-09	4.17E-08	1.24E-09	4.30E-08	4.91E-09	1.35E-10	5.04E-09
3268	437747.83	3724326.22	4.07E-08	1.15E-09	4.19E-08	8.49E-09	2.73E-10	8.76E-09	4.38E-08	1.29E-09	4.51E-08	5.15E-09	1.41E-10	5.29E-09
3269	437764.8	3724331.19	4.27E-08	1.20E-09	4.39E-08	8.90E-09	2.85E-10	9.19E-09	4.59E-08	1.35E-09	4.73E-08	5.40E-09	1.47E-10	5.55E-09
3270	437781.78	3724336.16	4.48E-08	1.26E-09	4.60E-08	9.33E-09	2.97E-10	9.63E-09	4.81E-08	1.41E-09	4.95E-08	5.67E-09	1.53E-10	5.82E-09
3271	437798.76	3724341.13	4.71E-08	1.31E-09	4.84E-08	9.81E-09	3.10E-10	1.01E-08	5.06E-08	1.47E-09	5.21E-08	5.95E-09	1.60E-10	6.11E-09
3272	437815.73	3724346.1	4.94E-08	1.37E-09	5.08E-08	1.03E-08	3.24E-10	1.06E-08	5.31E-08	1.53E-09	5.47E-08	6.25E-09	1.67E-10	6.42E-09
3273	437832.71	3724351.07	5.20E-08	1.43E-09	5.34E-08	1.08E-08	3.38E-10	1.12E-08	5.59E-08	1.60E-09	5.75E-08	6.57E-09	1.74E-10	6.75E-09
3274	437849.69	3724356.04	5.47E-08	1.50E-09	5.62E-08	1.14E-08	3.54E-10	1.18E-08	5.88E-08	1.67E-09	6.05E-08	6.92E-09	1.82E-10	7.10E-09
3275	437866.67	3724361.01	5.77E-08	1.58E-09	5.93E-08	1.20E-08	3.70E-10	1.24E-08	6.21E-08	1.75E-09	6.38E-08	7.29E-09	1.90E-10	7.48E-09
3276	437883.64	3724365.98	6.09E-08	1.65E-09	6.25E-08	1.27E-08	3.87E-10	1.31E-08	6.55E-08	1.83E-09	6.73E-08	7.69E-09	1.99E-10	7.89E-09
3277	437934.57	3724380.89	7.16E-08	1.91E-09	7.35E-08	1.49E-08	4.44E-10	1.53E-08	7.69E-08	2.10E-09	7.90E-08	9.01E-09	2.28E-10	9.23E-09
3278	437951.55	3724385.86	7.55E-08	2.01E-09	7.75E-08	1.57E-08	4.65E-10	1.62E-08	8.12E-08	2.20E-09	8.34E-08	9.49E-09	2.38E-10	9.73E-09
3279	437968.53	3724390.83	8.01E-08	2.11E-09	8.22E-08	1.66E-08	4.88E-10	1.71E-08	8.61E-08	2.31E-09	8.84E-08	1.01E-08	2.50E-10	1.03E-08
3280	437985.5	3724395.8	8.48E-08	2.23E-09	8.71E-08	1.76E-08	5.13E-10	1.81E-08	9.12E-08	2.43E-09	9.36E-08	1.06E-08	2.62E-10	1.09E-08
3281	438002.48	3724400.77	8.97E-08	2.34E-09	9.20E-08	1.86E-08	5.38E-10	1.92E-08	9.63E-08	2.54E-09	9.89E-08	1.12E-08	2.74E-10	1.15E-08
3282	438019.46	3724405.74	9.46E-08	2.46E-09	9.71E-08	1.96E-08	5.63E-10	2.02E-08	1.02E-07	2.66E-09	1.04E-07	1.18E-08	2.87E-10	1.21E-08
3283	438036.44	3724410.71	9.95E-08	2.57E-09	1.02E-07	2.06E-08	5.88E-10	2.12E-08	1.07E-07	2.78E-09	1.10E-07	1.24E-08	3.00E-10	1.27E-08
3284	438053.41	3724415.68	1.04E-07	2.69E-09	1.07E-07	2.16E-08	6.13E-10	2.22E-08	1.12E-07	2.90E-09	1.15E-07	1.30E-08	3.12E-10	1.33E-08
3285	438070.39	3724420.65	1.09E-07	2.80E-09	1.12E-07	2.26E-08	6.38E-10	2.32E-08	1.17E-07	3.01E-09	1.20E-07	1.36E-08	3.24E-10	1.39E-08
3286	438087.37	3724425.62	1.14E-07	2.92E-09	1.17E-07	2.36E-08	6.63E-10	2.43E-08	1.23E-07	3.13E-09	1.26E-07	1.42E-08	3.36E-10	1.45E-08
3287	438104.34	3724430.59	1.19E-07	3.04E-09	1.22E-07	2.47E-08	6.89E-10	2.54E-08	1.28E-07	3.26E-09	1.31E-07	1.48E-08	3.50E-10	1.52E-08
3288	438121.32	3724435.56	1.25E-07	3.17E-09	1.28E-07	2.58E-08	7.16E-10	2.65E-08	1.34E-07	3.38E-09	1.37E-07	1.54E-08	3.63E-10	1.58E-08
3289	437159.27	3724414.51	5.16E-08	1.20E-09	5.28E-08	1.06E-08	2.56E-10	1.08E-08	5.52E-08	1.21E-09	5.64E-08	6.22E-09	1.26E-10	6.35E-09
3290	437175.62	3724407.76	4.97E-08	1.16E-09	5.09E-08	1.02E-08	2.47E-10	1.04E-08	5.32E-08	1.17E-09	5.44E-08	6.00E-09	1.22E-10	6.12E-09
3291	437191.97	3724401.02	4.79E-08	1.12E-09	4.90E-08	9.80E-09	2.39E-10	1.00E-08	5.12E-08	1.13E-09	5.24E-08	5.77E-09	1.18E-10	5.89E-09
3292	437208.32	3724394.27	4.60E-08	1.08E-09	4.71E-08	9.42E-09	2.31E-10	9.66E-09	4.93E-08	1.09E-09	5.04E-08	5.55E-09	1.14E-10	5.67E-09
3293	437224.68	3724387.52	4.43E-08	1.05E-09	4.53E-08	9.07E-09	2.24E-10	9.29E-09	4.74E-08	1.06E-09	4.85E-08	5.34E-09	1.11E-10	5.45E-09
3294	437241.03	3724380.77	4.26E-08	1.01E-09	4.36E-08	8.71E-09	2.17E-10	8.93E-09	4.56E-08	1.03E-09	4.66E-08	5.13E-09	1.08E-10	5.24E-09
3295	437257.38	3724374.02	4.09E-08	9.81E-10	4.19E-08	8.37E-09	2.11E-10	8.59E-09	4.38E-08	9.96E-10	4.48E-08	4.94E-09	1.05E-10	5.04E-09
3296	437273.73	3724367.28	3.94E-08	9.52E-10	4.03E-08	8.06E-09	2.05E-10	8.26E-09	4.21E-08	9.70E-10	4.31E-08	4.75E-09	1.02E-10	4.85E-09
3297	437290.08	3724360.53	3.78E-08	9.24E-10	3.88E-08	7.75E-09	2.00E-10	7.95E-09	4.05E-08	9.46E-10	4.15E-08	4.57E-09	9.97E-11	4.67E-09
3298	437306.43	3724353.78	3.64E-08	8.98E-10	3.73E-08	7.46E-09	1.95E-10	7.66E-09	3.90E-08	9.23E-10	3.99E-08	4.40E-09	9.75E-11	4.50E-09
3299	437486.3	3724279.55	2.52E-08	7.08E-10	2.59E-08	5.21E-09	1.63E-10	5.37E-09	2.71E-08	7.72E-10	2.78E-08	3.11E-09	8.34E-11	3.19E-09
3300	437502.66	3724272.81	2.48E-08	7.02E-10	2.55E-08	5.12E-09	1.62E-10	5.28E-09	2.66E-08	7.68E-10	2.74E-08	3.06E-09	8.31E-11	3.14E-09
3301	437519.01	3724266.06	2.47E-08	7.04E-10	2.54E-08	5.10E-09	1.64E-10	5.26E-09	2.65E-08	7.74E-10	2.72E-08	3.05E-09	8.39E-11	3.14E-09
3302	437535.36	3724259.31	2.46E-08	7.07E-10	2.53E-08	5.09E-09	1.65E-10	5.25E-09	2.64E-08	7.80E-10	2.72E-08	3.05E-09	8.47E-11	3.14E-09
3303	437551.71	3724252.56	2.48E-08	7.14E-10	2.55E-08	5.13E-09	1.67E-10	5.29E-09	2.66E-08	7.90E-10	2.74E-08	3.08E-09	8.58E-11	3.16E-09
3304	437568.06	3724245.81	2.50E-08	7.23E-10	2.57E-08	5.17E-09	1.70E-10	5.34E-09	2.68E-08	8.02E-10	2.76E-08	3.10E-09	8.72E-11	3.19E-09
3305	437592.9	3724241.55	2.56E-08	7.45E-10	2.63E-08	5.30E-09	1.75E-10	5.47E-09	2.74E-08	8.29E-10	2.83E-08	3.19E-09	9.03E-11	3.28E-09
3306	437609.88	3724246.52	2.65E-08	7.71E-10	2.72E-08	5.49E-09	1.82E-10	5.67E-09	2.84E-08	8.60E-10	2.93E-08	3.31E-09	9.37E-11	3.40E-09
3307	437745.7	3724286.28	3.66E-08	1.05E-09	3.76E-08	7.62E-09	2.49E-10	7.87E-09	3.93E-08	1.18E-09	4.05E-08	4.62E-09	1.29E-10	4.75E-09

3308	437762.67	3724291.25	3.83E-08	1.09E-09	3.94E-08	7.97E-09	2.59E-10	8.23E-09	4.11E-08	1.23E-09	4.24E-08	4.83E-09	1.34E-10	4.97E-09
3309	437779.65	3724296.22	4.00E-08	1.14E-09	4.11E-08	8.33E-09	2.70E-10	8.60E-09	4.30E-08	1.28E-09	4.43E-08	5.05E-09	1.39E-10	5.19E-09
3310	437796.63	3724301.19	4.18E-08	1.18E-09	4.30E-08	8.71E-09	2.80E-10	8.99E-09	4.49E-08	1.33E-09	4.63E-08	5.29E-09	1.45E-10	5.43E-09
3311	437813.6	3724306.16	4.38E-08	1.23E-09	4.50E-08	9.12E-09	2.92E-10	9.41E-09	4.71E-08	1.38E-09	4.84E-08	5.53E-09	1.51E-10	5.68E-09
3312	437830.58	3724311.13	4.59E-08	1.29E-09	4.72E-08	9.56E-09	3.04E-10	9.87E-09	4.93E-08	1.44E-09	5.08E-08	5.80E-09	1.57E-10	5.96E-09
3313	437847.56	3724316.1	4.84E-08	1.35E-09	4.97E-08	1.01E-08	3.18E-10	1.04E-08	5.20E-08	1.51E-09	5.35E-08	6.11E-09	1.64E-10	6.27E-09
3314	437864.53	3724321.07	5.10E-08	1.41E-09	5.24E-08	1.06E-08	3.33E-10	1.09E-08	5.48E-08	1.57E-09	5.63E-08	6.43E-09	1.71E-10	6.61E-09
3315	437898.49	3724331.01	5.68E-08	1.56E-09	5.84E-08	1.18E-08	3.65E-10	1.22E-08	6.11E-08	1.73E-09	6.28E-08	7.16E-09	1.88E-10	7.35E-09
3316	437915.47	3724335.98	6.01E-08	1.64E-09	6.18E-08	1.25E-08	3.84E-10	1.29E-08	6.46E-08	1.81E-09	6.64E-08	7.57E-09	1.97E-10	7.77E-09
3317	437932.44	3724340.95	6.36E-08	1.72E-09	6.53E-08	1.32E-08	4.02E-10	1.36E-08	6.83E-08	1.90E-09	7.02E-08	8.00E-09	2.06E-10	8.20E-09
3318	437949.42	3724345.92	6.71E-08	1.81E-09	6.89E-08	1.40E-08	4.21E-10	1.44E-08	7.21E-08	1.99E-09	7.41E-08	8.44E-09	2.16E-10	8.65E-09
3319	437966.4	3724350.89	7.11E-08	1.90E-09	7.30E-08	1.48E-08	4.42E-10	1.52E-08	7.64E-08	2.09E-09	7.85E-08	8.93E-09	2.26E-10	9.15E-09
3320	437983.37	3724355.86	7.52E-08	2.00E-09	7.72E-08	1.56E-08	4.64E-10	1.61E-08	8.08E-08	2.19E-09	8.30E-08	9.43E-09	2.37E-10	9.67E-09
3321	438000.35	3724360.82	7.94E-08	2.10E-09	8.15E-08	1.65E-08	4.86E-10	1.70E-08	8.52E-08	2.30E-09	8.75E-08	9.94E-09	2.48E-10	1.02E-08
3322	438017.33	3724365.79	8.37E-08	2.21E-09	8.59E-08	1.74E-08	5.09E-10	1.79E-08	8.99E-08	2.40E-09	9.23E-08	1.05E-08	2.60E-10	1.07E-08
3323	438034.3	3724370.76	8.83E-08	2.32E-09	9.06E-08	1.83E-08	5.32E-10	1.88E-08	9.48E-08	2.51E-09	9.73E-08	1.10E-08	2.71E-10	1.13E-08
3324	438051.28	3724375.73	9.27E-08	2.42E-09	9.52E-08	1.92E-08	5.55E-10	1.98E-08	9.96E-08	2.63E-09	1.02E-07	1.16E-08	2.83E-10	1.19E-08
3325	438068.26	3724380.7	9.72E-08	2.53E-09	9.97E-08	2.01E-08	5.78E-10	2.07E-08	1.04E-07	2.73E-09	1.07E-07	1.21E-08	2.94E-10	1.24E-08
3326	438085.23	3724385.67	1.02E-07	2.64E-09	1.04E-07	2.11E-08	6.01E-10	2.17E-08	1.09E-07	2.84E-09	1.12E-07	1.26E-08	3.06E-10	1.30E-08
3327	438102.21	3724390.64	1.06E-07	2.74E-09	1.09E-07	2.20E-08	6.24E-10	2.26E-08	1.14E-07	2.95E-09	1.17E-07	1.32E-08	3.17E-10	1.35E-08
3328	438119.19	3724395.61	1.11E-07	2.86E-09	1.14E-07	2.29E-08	6.48E-10	2.36E-08	1.19E-07	3.07E-09	1.22E-07	1.38E-08	3.29E-10	1.41E-08
3329	438136.17	3724400.58	1.16E-07	2.97E-09	1.19E-07	2.39E-08	6.73E-10	2.46E-08	1.24E-07	3.18E-09	1.27E-07	1.43E-08	3.42E-10	1.47E-08
3330	438153.14	3724405.55	1.20E-07	3.09E-09	1.24E-07	2.49E-08	6.99E-10	2.56E-08	1.29E-07	3.30E-09	1.33E-07	1.49E-08	3.54E-10	1.53E-08
3331	437132.61	3724384.69	4.94E-08	1.16E-09	5.05E-08	1.01E-08	2.49E-10	1.04E-08	5.29E-08	1.17E-09	5.40E-08	5.96E-09	1.23E-10	6.08E-09
3332	437148.96	3724377.94	4.77E-08	1.12E-09	4.88E-08	9.77E-09	2.40E-10	1.00E-08	5.11E-08	1.13E-09	5.22E-08	5.76E-09	1.19E-10	5.88E-09
3333	437165.31	3724371.2	4.60E-08	1.09E-09	4.71E-08	9.42E-09	2.32E-10	9.65E-09	4.93E-08	1.10E-09	5.04E-08	5.55E-09	1.15E-10	5.67E-09
3334	437181.67	3724364.45	4.43E-08	1.05E-09	4.54E-08	9.07E-09	2.25E-10	9.30E-09	4.74E-08	1.06E-09	4.85E-08	5.35E-09	1.11E-10	5.46E-09
3335	437198.02	3724357.7	4.27E-08	1.02E-09	4.37E-08	8.74E-09	2.18E-10	8.95E-09	4.57E-08	1.03E-09	4.67E-08	5.15E-09	1.08E-10	5.25E-09
3336	437214.37	3724350.95	4.11E-08	9.82E-10	4.21E-08	8.41E-09	2.11E-10	8.62E-09	4.40E-08	9.95E-10	4.50E-08	4.95E-09	1.05E-10	5.06E-09
3337	437230.72	3724344.2	3.95E-08	9.50E-10	4.04E-08	8.08E-09	2.05E-10	8.29E-09	4.23E-08	9.66E-10	4.32E-08	4.76E-09	1.02E-10	4.87E-09
3338	437247.07	3724337.46	3.80E-08	9.21E-10	3.89E-08	7.78E-09	1.99E-10	7.98E-09	4.07E-08	9.39E-10	4.16E-08	4.59E-09	9.88E-11	4.69E-09
3339	437263.42	3724330.71	3.66E-08	8.95E-10	3.75E-08	7.49E-09	1.94E-10	7.69E-09	3.92E-08	9.15E-10	4.01E-08	4.42E-09	9.65E-11	4.51E-09
3340	437279.78	3724323.96	3.52E-08	8.69E-10	3.61E-08	7.21E-09	1.89E-10	7.40E-09	3.77E-08	8.92E-10	3.86E-08	4.26E-09	9.42E-11	4.35E-09
3341	437476	3724242.98	2.40E-08	6.76E-10	2.47E-08	4.95E-09	1.56E-10	5.11E-09	2.57E-08	7.36E-10	2.65E-08	2.95E-09	7.95E-11	3.03E-09
3342	437492.35	3724236.24	2.34E-08	6.65E-10	2.41E-08	4.83E-09	1.54E-10	4.99E-09	2.51E-08	7.28E-10	2.58E-08	2.89E-09	7.87E-11	2.97E-09
3343	437508.7	3724229.49	2.31E-08	6.62E-10	2.38E-08	4.78E-09	1.54E-10	4.93E-09	2.48E-08	7.27E-10	2.55E-08	2.86E-09	7.88E-11	2.94E-09
3344	437525.05	3724222.74	2.31E-08	6.64E-10	2.37E-08	4.76E-09	1.55E-10	4.92E-09	2.47E-08	7.31E-10	2.55E-08	2.85E-09	7.93E-11	2.93E-09
3345	437541.4	3724215.99	2.31E-08	6.68E-10	2.38E-08	4.77E-09	1.56E-10	4.93E-09	2.48E-08	7.38E-10	2.55E-08	2.86E-09	8.02E-11	2.94E-09
3346	437557.76	3724209.25	2.32E-08	6.75E-10	2.39E-08	4.80E-09	1.58E-10	4.95E-09	2.49E-08	7.48E-10	2.56E-08	2.88E-09	8.13E-11	2.96E-09
3347	437574.11	3724202.5	2.34E-08	6.82E-10	2.41E-08	4.84E-09	1.60E-10	5.00E-09	2.51E-08	7.58E-10	2.58E-08	2.91E-09	8.25E-11	2.99E-09
3348	437590.77	3724201.61	2.38E-08	6.98E-10	2.45E-08	4.93E-09	1.64E-10	5.09E-09	2.55E-08	7.77E-10	2.63E-08	2.96E-09	8.46E-11	3.05E-09
3349	437692.63	3724231.43	2.92E-08	8.54E-10	3.01E-08	6.07E-09	2.03E-10	6.28E-09	3.14E-08	9.59E-10	3.23E-08	3.67E-09	1.05E-10	3.78E-09
3350	437709.61	3724236.4	3.04E-08	8.87E-10	3.13E-08	6.33E-09	2.11E-10	6.54E-09	3.27E-08	9.96E-10	3.37E-08	3.83E-09	1.09E-10	3.94E-09
3351	437726.59	3724241.37	3.17E-08	9.21E-10	3.26E-08	6.59E-09	2.19E-10	6.81E-09	3.40E-08	1.04E-09	3.50E-08	3.99E-09	1.13E-10	4.10E-09
3352	437743.56	3724246.34	3.30E-08	9.57E-10	3.40E-08	6.87E-09	2.27E-10	7.09E-09	3.55E-08	1.08E-09	3.65E-08	4.16E-09	1.17E-10	4.28E-09
3353	437845.43	3724276.15	4.32E-08	1.22E-09	4.45E-08	9.00E-09	2.89E-10	9.29E-09	4.65E-08	1.37E-09	4.78E-08	5.46E-09	1.49E-10	5.61E-09
3354	437862.4	3724281.12	4.55E-08	1.28E-09	4.68E-08	9.48E-09	3.02E-10	9.78E-09	4.89E-08	1.43E-09	5.03E-08	5.74E-09	1.56E-10	5.90E-09
3355	437879.38	3724286.09	4.81E-08	1.35E-09	4.94E-08	1.00E-08	3.17E-10	1.03E-08	5.17E-08	1.50E-09	5.32E-08	6.07E-09	1.63E-10	6.23E-09
3356	437930.31	3724301	5.70E-08	1.57E-09	5.85E-08	1.19E-08	3.67E-10	1.22E-08	6.12E-08	1.73E-09	6.30E-08	7.17E-09	1.88E-10	7.36E-09
3357	437947.29	3724305.97	6.03E-08	1.65E-09	6.20E-08	1.25E-08	3.85E-10	1.29E-08	6.48E-08	1.82E-09	6.66E-08	7.58E-09	1.98E-10	7.78E-09
3358	437964.27	3724310.94	6.38E-08	1.73E-09	6.55E-08	1.33E-08	4.03E-10	1.37E-08	6.85E-08	1.91E-09	7.04E-08	8.01E-09	2.07E-10	8.22E-09
3359	437981.24	3724315.91	6.74E-08	1.82E-09	6.92E-08	1.40E-08	4.23E-10	1.44E-08	7.24E-08	2.00E-09	7.44E-08	8.46E-09	2.17E-10	8.67E-09
3360	437998.22	3724320.88	7.10E-08	1.91E-09	7.30E-08	1.48E-08	4.42E-10	1.52E-08	7.63E-08	2.09E-09	7.84E-08	8.90E-09	2.26E-10	9.13E-09
3361	438015.2	3724325.85	7.48E-08	2.00E-09	7.68E-08	1.55E-08	4.62E-10	1.60E-08	8.03E-08	2.19E-09	8.25E-08	9.36E-09	2.37E-10	9.59E-09
3362	438032.17	3724330.82	7.88E-08	2.10E-09	8.09E-08	1.63E-08	4.84E-10	1.68E-08	8.46E-08	2.29E-09	8.69E-08	9.84E-09	2.47E-10	1.01E-08
3363	438049.15	3724335.79	8.29E-08	2.19E-09	8.50E-08	1.72E-08	5.05E-10	1.77E-08	8.90E-08	2.39E-09	9.14E-08	1.03E-08	2.58E-10	1.06E-08
3364	438066.13	3724340.76	8.70E-08	2.30E-09	8.93E-08	1.80E-08	5.27E-10	1.86E-08	9.34E-08	2.49E-09	9.59E-08	1.08E-08	2.69E-10	1.11E-08
3365	438083.1	3724345.73	9.11E-08	2.39E-09	9.35E-08	1.89E-08	5.48E-10	1.94E-08	9.78E-08	2.59E-09	1.00E-07	1.13E-08	2.79E-10	1.16E-08
3366	438100.08	3724350.7	9.52E-08	2.49E-09	9.77E-08	1.97E-08	5.70E-10	2.03E-08	1.02E-07	2.69E-09	1.05E-07	1.18E-08	2.90E-10	1.21E-08
3367	438117.06	3724355.67	9.95E-08	2.60E-09	1.02E-07	2.06E-08	5.92E-10	2.12E-08	1.07E-07	2.80E-09	1.10E-07	1.24E-08	3.01E-10	1.27E-08
3368	438134.03	3724360.64	1.04E-07	2.70E-09	1.06E-07	2.15E-08	6.15E-10	2.21E-08	1.11E-07	2.91E-09	1.14E-07	1.29E-08	3.13E-10	1.32E-08
3369	438151.01	3724365.61	1.08E-07	2.80E-09	1.11E-07	2.23E-08	6.37E-10	2.30E-08	1.16E-07	3.01E-09	1.19E-07	1.34E-08	3.24E-10	1.37E-08
3370	438167.99	3724370.58	1.12E-07	2.91E-09	1.15E-07	2.32E-08	6.59E-10	2.39E-08	1.20E-07	3.12E-09	1.24E-07	1.39E-08	3.35E-10	1.42E-08
3371	437122.3	3724348.12	4.58E-08	1.09E-09	4.69E-08	9.37E-09	2.34E-10	9.61E-09	4.90E-08	1.10E-09	5.01E-08	5.53E-09	1.16E-10	5.64E-09
3372	437138.65	3724341.37	4.42E-08	1.05E-09	4.53E-08	9.05E-09	2.26E-10	9.28E-09	4.74E-08	1.07E-09	4.84E-08	5.34E-09	1.12E-10	5.45E-09
3373	437155.01	3724334.63	4.27E-08	1.02E-09	4.37E-08	8.74E-09	2.19E-10	8.96E-09	4.57E-08	1.03E-09	4.67E-08	5.15E-09	1.08E-10	5.26E-09
3374	437171.36	3724327.88	4.12E-08	9.86E-10	4.21E-08	8.42E-09	2.12E-10	8.63E-09	4.41E-08	1.00E-09	4.51E-08	4.96E-09	1.05E-10	5.07E-09
3375	437187.71	3724321.13	3.97E-08	9.54E-10	4.06E-08	8.12E-09	2.05E-10	8.33E-09	4.25E-08	9.69E-10	4.35E-08	4.79E-09	1.02E-10	4.89E-09
3376	437204.06	3724314.38	3.82E-08	9.24E-10	3.91E-08	7.82E-09	1.99E-10	8.02E-09	4.09E-08	9.40E-10	4.18E-08	4.61E-09	9.89E-11	4.71E-09
3377	437220.41	3724307.63	3.68E-08	8.95E-10	3.77E-08	7.53E-09	1.93E-10	7.72E-09	3.94E-08	9.13E-10	4.03E-08	4.44E-09	9.62E-11	4.54E-09
3378	437236.77	3724300.89	3.54E-08	8.67E-10	3.63E-08	7.25E-09	1.88E-10	7.44E-09	3.79E-08	8.87E-10	3.88E-08	4.28E-09	9.35E-11	4.37E-09
3379	437253.12	3724294.14	3.42E-08	8.43E-10	3.50E-08	6.99E-09	1.83E-10	7.18E-09	3.66E-08	8.65E-10	3.74E-08	4.13E-09	9.13E-11	4.22E-09
3380	437449.34	3724213.16	2.30E-08	6.44E-10	2.37E-08	4.74E-09	1.48E-10	4.89E-09	2.47E-08	6.99E-10	2.54E-08	2.82E-09	7.53E-11	2.90E-09
3381	437465.69	3724206.42	2.24E-08	6.31E-10	2.30E-08	4.61E-09	1.45E-10	4.75E-09	2.40E-08	6.88E-10	2.47E-08	2.75E-09	7.43E-11	2.82E-09
3382	437482.04	3724199.67	2.20E-08	6.26E-10	2.26E-08	4.53E-09	1.45E-10	4.67E-09	2.35E-08	6.85E-10	2.42E-08	2.70E-09	7.41E-11	2.78E-09
3383	437498.39	3724192.92	2.17E-08	6.21E-10	2.23E-08	4.47E-09	1.44E-10	4.61E-09	2.32E-08	6.82E-10	2.39E-08	2.67E-09	7.39E-11	2.75E-09
3384	437514.75	3724186.17	2.16E-08	6.24E-10	2.22E-08	4.46E-09	1.45E-10	4.61E-09	2.32E-08	6.87E-10	2.39E-08	2.67E-09	7.45E-11	2.74E-09

3385	437531.1	3724179.42	2.16E-08	6.27E-10	2.22E-08	4.46E-09	1.47E-10	4.60E-09	2.31E-08	6.93E-10	2.38E-08	2.67E-09	7.53E-11	2.75E-09
3386	437547.45	3724172.68	2.17E-08	6.33E-10	2.23E-08	4.48E-09	1.48E-10	4.63E-09	2.33E-08	7.01E-10	2.40E-08	2.69E-09	7.62E-11	2.76E-09
3387	437563.8	3724165.93	2.18E-08	6.40E-10	2.25E-08	4.51E-09	1.50E-10	4.66E-09	2.34E-08	7.11E-10	2.41E-08	2.71E-09	7.73E-11	2.79E-09
3388	437588.64	3724161.67	2.23E-08	6.57E-10	2.30E-08	4.62E-09	1.55E-10	4.78E-09	2.40E-08	7.32E-10	2.47E-08	2.78E-09	7.97E-11	2.86E-09
3389	437673.53	3724186.51	2.60E-08	7.66E-10	2.67E-08	5.39E-09	1.82E-10	5.57E-09	2.79E-08	8.59E-10	2.87E-08	3.25E-09	9.38E-11	3.35E-09
3390	437690.5	3724191.48	2.69E-08	7.92E-10	2.77E-08	5.58E-09	1.88E-10	5.77E-09	2.89E-08	8.89E-10	2.98E-08	3.37E-09	9.71E-11	3.47E-09
3391	437707.48	3724196.45	2.78E-08	8.19E-10	2.86E-08	5.78E-09	1.95E-10	5.98E-09	2.99E-08	9.21E-10	3.08E-08	3.50E-09	1.01E-10	3.60E-09
3392	437724.46	3724201.42	2.89E-08	8.48E-10	2.97E-08	6.01E-09	2.01E-10	6.21E-09	3.10E-08	9.53E-10	3.20E-08	3.63E-09	1.04E-10	3.74E-09
3393	437741.43	3724206.39	3.01E-08	8.81E-10	3.10E-08	6.26E-09	2.09E-10	6.46E-09	3.23E-08	9.90E-10	3.33E-08	3.79E-09	1.08E-10	3.89E-09
3394	437758.41	3724211.36	3.13E-08	9.14E-10	3.22E-08	6.51E-09	2.17E-10	6.73E-09	3.36E-08	1.03E-09	3.47E-08	3.94E-09	1.12E-10	4.06E-09
3395	437775.39	3724216.33	3.26E-08	9.49E-10	3.36E-08	6.79E-09	2.26E-10	7.01E-09	3.51E-08	1.07E-09	3.61E-08	4.11E-09	1.17E-10	4.23E-09
3396	437792.36	3724221.3	3.39E-08	9.85E-10	3.49E-08	7.06E-09	2.34E-10	7.30E-09	3.65E-08	1.11E-09	3.76E-08	4.28E-09	1.21E-10	4.40E-09
3397	437809.34	3724226.27	3.55E-08	1.02E-09	3.65E-08	7.38E-09	2.43E-10	7.62E-09	3.81E-08	1.15E-09	3.93E-08	4.47E-09	1.26E-10	4.60E-09
3398	437826.32	3724231.24	3.71E-08	1.07E-09	3.81E-08	7.71E-09	2.53E-10	7.97E-09	3.98E-08	1.20E-09	4.10E-08	4.67E-09	1.31E-10	4.80E-09
3399	437843.3	3724236.21	3.90E-08	1.12E-09	4.01E-08	8.12E-09	2.64E-10	8.39E-09	4.19E-08	1.25E-09	4.32E-08	4.92E-09	1.37E-10	5.06E-09
3400	437860.27	3724241.18	4.11E-08	1.17E-09	4.23E-08	8.56E-09	2.77E-10	8.84E-09	4.42E-08	1.31E-09	4.55E-08	5.19E-09	1.43E-10	5.33E-09
3401	437877.25	3724246.15	4.34E-08	1.23E-09	4.47E-08	9.04E-09	2.91E-10	9.33E-09	4.67E-08	1.37E-09	4.81E-08	5.48E-09	1.50E-10	5.63E-09
3402	437894.23	3724251.12	4.59E-08	1.29E-09	4.72E-08	9.56E-09	3.05E-10	9.87E-09	4.94E-08	1.44E-09	5.08E-08	5.79E-09	1.57E-10	5.95E-09
3403	437911.2	3724256.09	4.86E-08	1.36E-09	5.00E-08	1.01E-08	3.20E-10	1.04E-08	5.22E-08	1.51E-09	5.37E-08	6.12E-09	1.65E-10	6.28E-09
3404	437928.18	3724261.06	5.14E-08	1.43E-09	5.29E-08	1.07E-08	3.36E-10	1.10E-08	5.53E-08	1.59E-09	5.69E-08	6.47E-09	1.73E-10	6.64E-09
3405	437962.13	3724271	5.76E-08	1.58E-09	5.91E-08	1.20E-08	3.70E-10	1.23E-08	6.18E-08	1.75E-09	6.36E-08	7.23E-09	1.90E-10	7.42E-09
3406	437979.11	3724275.97	6.08E-08	1.66E-09	6.25E-08	1.26E-08	3.88E-10	1.30E-08	6.53E-08	1.84E-09	6.72E-08	7.63E-09	1.99E-10	7.83E-09
3407	437996.09	3724280.94	6.40E-08	1.74E-09	6.58E-08	1.33E-08	4.06E-10	1.37E-08	6.88E-08	1.92E-09	7.07E-08	8.03E-09	2.08E-10	8.23E-09
3408	438013.06	3724285.91	6.74E-08	1.83E-09	6.92E-08	1.40E-08	4.24E-10	1.44E-08	7.24E-08	2.00E-09	7.44E-08	8.44E-09	2.17E-10	8.65E-09
3409	438030.04	3724290.88	7.09E-08	1.91E-09	7.28E-08	1.47E-08	4.42E-10	1.52E-08	7.61E-08	2.09E-09	7.82E-08	8.86E-09	2.26E-10	9.09E-09
3410	438047.02	3724295.85	7.46E-08	2.00E-09	7.66E-08	1.55E-08	4.62E-10	1.59E-08	8.01E-08	2.18E-09	8.23E-08	9.31E-09	2.36E-10	9.55E-09
3411	438064	3724300.82	7.84E-08	2.09E-09	8.05E-08	1.63E-08	4.83E-10	1.67E-08	8.42E-08	2.28E-09	8.65E-08	9.78E-09	2.47E-10	1.00E-08
3412	438080.97	3724305.79	8.24E-08	2.19E-09	8.46E-08	1.71E-08	5.04E-10	1.76E-08	8.84E-08	2.38E-09	9.08E-08	1.03E-08	2.57E-10	1.05E-08
3413	438097.95	3724310.76	8.63E-08	2.29E-09	8.86E-08	1.79E-08	5.25E-10	1.84E-08	9.27E-08	2.48E-09	9.52E-08	1.07E-08	2.68E-10	1.10E-08
3414	438114.93	3724315.73	8.99E-08	2.38E-09	9.23E-08	1.86E-08	5.44E-10	1.92E-08	9.65E-08	2.57E-09	9.91E-08	1.12E-08	2.77E-10	1.15E-08
3415	438199.81	3724340.58	1.06E-07	2.78E-09	1.09E-07	2.20E-08	6.31E-10	2.26E-08	1.14E-07	2.98E-09	1.17E-07	1.31E-08	3.21E-10	1.35E-08
3416	436933.68	3724549.6	7.67E-08	1.96E-09	7.87E-08	1.58E-08	4.37E-10	1.62E-08	8.22E-08	2.06E-09	8.43E-08	9.39E-09	2.20E-10	9.61E-09
3417	436926.33	3724556.23	7.74E-08	1.99E-09	7.94E-08	1.59E-08	4.45E-10	1.64E-08	8.30E-08	2.10E-09	8.51E-08	9.48E-09	2.24E-10	9.70E-09
3418	436918.99	3724562.85	7.81E-08	2.02E-09	8.01E-08	1.61E-08	4.53E-10	1.65E-08	8.37E-08	2.14E-09	8.58E-08	9.57E-09	2.29E-10	9.79E-09
3419	436921.57	3724506.65	7.11E-08	1.82E-09	7.29E-08	1.46E-08	4.05E-10	1.50E-08	7.62E-08	1.91E-09	7.81E-08	8.69E-09	2.04E-10	8.90E-09
3420	436914.23	3724513.28	7.18E-08	1.85E-09	7.36E-08	1.48E-08	4.13E-10	1.52E-08	7.69E-08	1.95E-09	7.89E-08	8.78E-09	2.08E-10	8.98E-09
3421	436906.88	3724519.9	7.25E-08	1.88E-09	7.44E-08	1.49E-08	4.20E-10	1.53E-08	7.77E-08	1.99E-09	7.97E-08	8.86E-09	2.12E-10	9.08E-09
3422	436899.54	3724526.53	7.31E-08	1.91E-09	7.50E-08	1.50E-08	4.28E-10	1.55E-08	7.83E-08	2.02E-09	8.04E-08	8.95E-09	2.16E-10	9.16E-09
3423	436892.19	3724533.15	7.36E-08	1.93E-09	7.55E-08	1.51E-08	4.34E-10	1.56E-08	7.89E-08	2.05E-09	8.09E-08	9.01E-09	2.19E-10	9.23E-09
3424	436894.78	3724476.95	6.73E-08	1.74E-09	6.90E-08	1.38E-08	3.88E-10	1.42E-08	7.21E-08	1.84E-09	7.39E-08	8.23E-09	1.96E-10	8.42E-09
3425	436887.43	3724483.58	6.80E-08	1.76E-09	6.97E-08	1.40E-08	3.95E-10	1.44E-08	7.28E-08	1.87E-09	7.47E-08	8.31E-09	2.00E-10	8.51E-09
3426	436880.09	3724490.2	6.86E-08	1.79E-09	7.04E-08	1.41E-08	4.03E-10	1.45E-08	7.35E-08	1.90E-09	7.54E-08	8.40E-09	2.03E-10	8.60E-09
3427	436872.74	3724496.83	6.92E-08	1.82E-09	7.10E-08	1.42E-08	4.10E-10	1.47E-08	7.42E-08	1.94E-09	7.61E-08	8.47E-09	2.07E-10	8.68E-09
3428	436865.4	3724503.45	6.97E-08	1.84E-09	7.15E-08	1.43E-08	4.16E-10	1.48E-08	7.46E-08	1.97E-09	7.66E-08	8.53E-09	2.11E-10	8.74E-09

			T2		T2L3		T3		T4	
			1866	437750.64						
			5.66E-02	1.09E-03	1.13E-02	1.79E-04	6.02E-02	8.40E-04	6.33E-03	7.67E-05
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	437235.35	3725540.6	8.94E-04	5.80E-05	1.92E-04	1.59E-05	9.64E-04	7.53E-05	1.22E-04	8.62E-06
2	437200.39	3725546.56	6.80E-04	4.07E-05	1.45E-04	1.10E-05	7.33E-04	5.22E-05	9.17E-05	5.95E-06
3	437206.71	3725553.6	7.05E-04	4.28E-05	1.51E-04	1.16E-05	7.60E-04	5.50E-05	9.52E-05	6.28E-06
4	437213.03	3725560.64	7.30E-04	4.49E-05	1.56E-04	1.22E-05	7.87E-04	5.78E-05	9.88E-05	6.60E-06
5	437174.93	3725557.74	5.72E-04	3.27E-05	1.22E-04	8.77E-06	6.16E-04	4.16E-05	7.65E-05	4.73E-06
6	437171.8	3725548.87	5.65E-04	3.20E-05	1.20E-04	8.59E-06	6.08E-04	4.07E-05	7.55E-05	4.64E-06
7	437149.56	3725569.14	4.86E-04	2.66E-05	1.03E-04	7.10E-06	5.24E-04	3.37E-05	6.46E-05	3.83E-06
8	437146.47	3725560.39	4.82E-04	2.62E-05	1.02E-04	6.99E-06	5.19E-04	3.31E-05	6.40E-05	3.76E-06
9	437143.38	3725551.64	4.76E-04	2.57E-05	1.01E-04	6.85E-06	5.12E-04	3.25E-05	6.32E-05	3.69E-06
10	437155.74	3725586.65	4.94E-04	2.73E-05	1.05E-04	7.29E-06	5.32E-04	3.46E-05	6.57E-05	3.93E-06
11	437162.06	3725593.69	5.09E-04	2.85E-05	1.08E-04	7.61E-06	5.48E-04	3.61E-05	6.78E-05	4.10E-06
12	437168.38	3725600.73	5.24E-04	2.96E-05	1.11E-04	7.93E-06	5.64E-04	3.76E-05	6.99E-05	4.28E-06
13	437130.29	3725597.84	4.23E-04	2.25E-05	8.96E-05	5.97E-06	4.55E-04	2.83E-05	5.59E-05	3.21E-06
14	437120.92	3725571.31	4.14E-04	2.17E-05	8.76E-05	5.75E-06	4.46E-04	2.73E-05	5.47E-05	3.09E-06
15	437117.8	3725562.47	4.11E-04	2.14E-05	8.69E-05	5.67E-06	4.42E-04	2.69E-05	5.42E-05	3.05E-06
16	437114.68	3725553.62	4.07E-04	2.11E-05	8.61E-05	5.59E-06	4.38E-04	2.65E-05	5.37E-05	3.00E-06
17	437133.42	3725606.69	4.26E-04	2.28E-05	9.03E-05	6.04E-06	4.59E-04	2.87E-05	5.64E-05	3.25E-06
18	437139.74	3725613.73	4.37E-04	2.36E-05	9.26E-05	6.26E-06	4.71E-04	2.97E-05	5.79E-05	3.37E-06
19	437146.06	3725620.77	4.49E-04	2.44E-05	9.51E-05	6.50E-06	4.83E-04	3.08E-05	5.95E-05	3.50E-06
20	437108.01	3725617.99	3.74E-04	1.93E-05	7.91E-05	5.10E-06	4.03E-04	2.42E-05	4.92E-05	2.74E-06
21	437104.92	3725609.25	3.71E-04	1.91E-05	7.85E-05	5.04E-06	4.00E-04	2.39E-05	4.88E-05	2.71E-06
22	437101.83	3725600.51	3.69E-04	1.89E-05	7.79E-05	4.98E-06	3.97E-04	2.36E-05	4.85E-05	2.67E-06
23	437092.58	3725574.29	3.60E-04	1.82E-05	7.61E-05	4.80E-06	3.88E-04	2.27E-05	4.73E-05	2.57E-06
24	437089.49	3725565.55	3.57E-04	1.80E-05	7.54E-05	4.73E-06	3.84E-04	2.24E-05	4.69E-05	2.54E-06
25	437086.4	3725556.81	3.55E-04	1.78E-05	7.49E-05	4.68E-06	3.82E-04	2.22E-05	4.66E-05	2.51E-06
26	437085.65	3725637.94	3.34E-04	1.68E-05	7.04E-05	4.41E-06	3.59E-04	2.09E-05	4.37E-05	2.36E-06
27	437082.54	3725629.12	3.32E-04	1.66E-05	7.00E-05	4.37E-06	3.57E-04	2.07E-05	4.34E-05	2.34E-06
28	437079.42	3725620.3	3.30E-04	1.65E-05	6.95E-05	4.32E-06	3.55E-04	2.05E-05	4.31E-05	2.31E-06
29	437076.3	3725611.47	3.27E-04	1.63E-05	6.91E-05	4.27E-06	3.52E-04	2.03E-05	4.28E-05	2.29E-06
30	437073.19	3725602.65	3.25E-04	1.61E-05	6.86E-05	4.23E-06	3.50E-04	2.00E-05	4.25E-05	2.26E-06
31	437063.84	3725576.18	3.19E-04	1.57E-05	6.72E-05	4.10E-06	3.43E-04	1.94E-05	4.17E-05	2.19E-06
32	437060.72	3725567.35	3.17E-04	1.55E-05	6.68E-05	4.06E-06	3.41E-04	1.92E-05	4.14E-05	2.17E-06
33	437057.61	3725558.53	3.15E-04	1.54E-05	6.64E-05	4.02E-06	3.39E-04	1.90E-05	4.12E-05	2.15E-06
34	437101.41	3725660.85	3.50E-04	1.79E-05	7.39E-05	4.72E-06	3.77E-04	2.24E-05	4.59E-05	2.53E-06
35	437055.87	3725664.62	2.90E-04	1.41E-05	6.10E-05	3.68E-06	3.12E-04	1.75E-05	3.78E-05	1.97E-06
36	437052.74	3725655.75	2.89E-04	1.41E-05	6.09E-05	3.67E-06	3.11E-04	1.74E-05	3.77E-05	1.96E-06
37	437043.34	3725629.14	2.85E-04	1.37E-05	5.99E-05	3.58E-06	3.06E-04	1.70E-05	3.71E-05	1.91E-06
38	437040.21	3725620.27	2.83E-04	1.36E-05	5.96E-05	3.54E-06	3.04E-04	1.68E-05	3.68E-05	1.89E-06
39	437037.08	3725611.4	2.81E-04	1.35E-05	5.92E-05	3.51E-06	3.02E-04	1.66E-05	3.66E-05	1.87E-06
40	437033.95	3725602.54	2.80E-04	1.34E-05	5.88E-05	3.48E-06	3.01E-04	1.65E-05	3.64E-05	1.86E-06
41	437024.55	3725575.93	2.74E-04	1.30E-05	5.77E-05	3.38E-06	2.95E-04	1.60E-05	3.56E-05	1.80E-06
42	437021.42	3725567.06	2.72E-04	1.29E-05	5.73E-05	3.34E-06	2.93E-04	1.58E-05	3.54E-05	1.78E-06
43	437059	3725673.49	2.91E-04	1.42E-05	6.12E-05	3.70E-06	3.13E-04	1.75E-05	3.79E-05	1.98E-06
44	437026.09	3725691.3	2.56E-04	1.21E-05	5.37E-05	3.14E-06	2.75E-04	1.49E-05	3.31E-05	1.68E-06
45	437022.95	3725682.39	2.54E-04	1.20E-05	5.35E-05	3.12E-06	2.74E-04	1.48E-05	3.30E-05	1.66E-06
46	437019.8	3725673.48	2.53E-04	1.19E-05	5.32E-05	3.10E-06	2.72E-04	1.47E-05	3.28E-05	1.65E-06
47	437016.65	3725664.57	2.52E-04	1.19E-05	5.30E-05	3.08E-06	2.71E-04	1.46E-05	3.27E-05	1.64E-06
48	437013.51	3725655.66	2.51E-04	1.18E-05	5.28E-05	3.06E-06	2.70E-04	1.45E-05	3.26E-05	1.63E-06
49	437004.07	3725628.93	2.47E-04	1.15E-05	5.20E-05	2.98E-06	2.66E-04	1.41E-05	3.20E-05	1.59E-06
50	437000.92	3725620.02	2.46E-04	1.14E-05	5.17E-05	2.96E-06	2.64E-04	1.40E-05	3.19E-05	1.58E-06
51	436997.78	3725611.12	2.45E-04	1.13E-05	5.14E-05	2.93E-06	2.63E-04	1.39E-05	3.17E-05	1.56E-06
52	436994.63	3725602.21	2.43E-04	1.13E-05	5.10E-05	2.91E-06	2.61E-04	1.38E-05	3.14E-05	1.55E-06
53	436991.48	3725593.3	2.41E-04	1.12E-05	5.07E-05	2.88E-06	2.60E-04	1.36E-05	3.12E-05	1.53E-06

54	436988.34	3725584.39	2.40E-04	1.11E-05	5.04E-05	2.85E-06	2.58E-04	1.35E-05	3.10E-05	1.52E-06
55	436985.19	3725575.48	2.38E-04	1.10E-05	5.00E-05	2.83E-06	2.56E-04	1.34E-05	3.08E-05	1.51E-06
56	436982.04	3725566.57	2.37E-04	1.09E-05	4.97E-05	2.80E-06	2.55E-04	1.33E-05	3.06E-05	1.49E-06
57	437029.24	3725700.21	2.57E-04	1.22E-05	5.40E-05	3.16E-06	2.76E-04	1.50E-05	3.33E-05	1.69E-06
58	437035.56	3725707.25	2.61E-04	1.24E-05	5.48E-05	3.23E-06	2.80E-04	1.53E-05	3.38E-05	1.72E-06
59	437041.88	3725714.29	2.64E-04	1.27E-05	5.56E-05	3.29E-06	2.84E-04	1.56E-05	3.43E-05	1.76E-06
60	436993.26	3725709.34	2.30E-04	1.07E-05	4.84E-05	2.75E-06	2.48E-04	1.30E-05	2.98E-05	1.46E-06
61	436990.16	3725700.55	2.29E-04	1.06E-05	4.82E-05	2.73E-06	2.47E-04	1.30E-05	2.96E-05	1.46E-06
62	436987.05	3725691.76	2.29E-04	1.05E-05	4.80E-05	2.72E-06	2.46E-04	1.29E-05	2.95E-05	1.45E-06
63	436983.95	3725682.96	2.28E-04	1.05E-05	4.78E-05	2.70E-06	2.45E-04	1.28E-05	2.94E-05	1.44E-06
64	436980.84	3725674.17	2.26E-04	1.04E-05	4.75E-05	2.68E-06	2.43E-04	1.27E-05	2.92E-05	1.43E-06
65	436977.73	3725665.37	2.25E-04	1.03E-05	4.73E-05	2.66E-06	2.42E-04	1.26E-05	2.91E-05	1.42E-06
66	436974.63	3725656.58	2.24E-04	1.03E-05	4.71E-05	2.64E-06	2.41E-04	1.25E-05	2.90E-05	1.41E-06
67	436971.52	3725647.79	2.23E-04	1.02E-05	4.68E-05	2.62E-06	2.40E-04	1.24E-05	2.88E-05	1.39E-06
68	436962.21	3725621.4	2.18E-04	9.87E-06	4.57E-05	2.54E-06	2.34E-04	1.20E-05	2.81E-05	1.35E-06
69	436959.1	3725612.61	2.17E-04	9.79E-06	4.54E-05	2.52E-06	2.33E-04	1.19E-05	2.79E-05	1.34E-06
70	436956	3725603.82	2.15E-04	9.70E-06	4.51E-05	2.49E-06	2.31E-04	1.18E-05	2.77E-05	1.33E-06
71	436952.89	3725595.02	2.13E-04	9.61E-06	4.48E-05	2.47E-06	2.29E-04	1.17E-05	2.75E-05	1.31E-06
72	436949.78	3725586.23	2.12E-04	9.51E-06	4.44E-05	2.44E-06	2.28E-04	1.16E-05	2.73E-05	1.30E-06
73	436946.68	3725577.43	2.10E-04	9.42E-06	4.41E-05	2.42E-06	2.26E-04	1.14E-05	2.71E-05	1.28E-06
74	436943.57	3725568.64	2.09E-04	9.33E-06	4.38E-05	2.39E-06	2.24E-04	1.13E-05	2.69E-05	1.27E-06
75	437004.81	3724812.38	1.68E-04	4.83E-06	3.48E-05	1.10E-06	1.80E-04	5.21E-06	2.08E-05	5.60E-07
76	437008.83	3724803.96	1.66E-04	4.73E-06	3.43E-05	1.07E-06	1.78E-04	5.08E-06	2.05E-05	5.46E-07
77	437012.84	3724795.54	1.64E-04	4.63E-06	3.39E-05	1.05E-06	1.76E-04	4.96E-06	2.03E-05	5.33E-07
78	437016.85	3724787.13	1.63E-04	4.55E-06	3.36E-05	1.03E-06	1.75E-04	4.86E-06	2.01E-05	5.20E-07
79	436954.11	3725709.49	2.08E-04	9.40E-06	4.36E-05	2.41E-06	2.24E-04	1.14E-05	2.68E-05	1.28E-06
80	436950.99	3725700.65	2.07E-04	9.35E-06	4.34E-05	2.40E-06	2.23E-04	1.14E-05	2.67E-05	1.28E-06
81	436947.87	3725691.82	2.07E-04	9.30E-06	4.33E-05	2.38E-06	2.22E-04	1.13E-05	2.66E-05	1.27E-06
82	436944.75	3725682.99	2.06E-04	9.25E-06	4.31E-05	2.37E-06	2.21E-04	1.12E-05	2.65E-05	1.26E-06
83	436941.63	3725674.15	2.04E-04	9.17E-06	4.28E-05	2.35E-06	2.20E-04	1.11E-05	2.63E-05	1.25E-06
84	436938.51	3725665.32	2.03E-04	9.08E-06	4.25E-05	2.33E-06	2.18E-04	1.10E-05	2.61E-05	1.24E-06
85	436935.39	3725656.49	2.01E-04	8.98E-06	4.21E-05	2.30E-06	2.16E-04	1.09E-05	2.59E-05	1.22E-06
86	436932.27	3725647.65	1.99E-04	8.86E-06	4.17E-05	2.27E-06	2.14E-04	1.07E-05	2.56E-05	1.21E-06
87	436929.15	3725638.82	1.97E-04	8.75E-06	4.13E-05	2.24E-06	2.12E-04	1.06E-05	2.53E-05	1.19E-06
88	436919.8	3725612.32	1.91E-04	8.44E-06	4.01E-05	2.16E-06	2.06E-04	1.02E-05	2.46E-05	1.14E-06
89	436916.68	3725603.48	1.90E-04	8.36E-06	3.98E-05	2.13E-06	2.04E-04	1.01E-05	2.44E-05	1.13E-06
90	436913.56	3725594.65	1.88E-04	8.27E-06	3.95E-05	2.11E-06	2.02E-04	1.00E-05	2.42E-05	1.12E-06
91	436910.44	3725585.82	1.87E-04	8.21E-06	3.92E-05	2.09E-06	2.01E-04	9.92E-06	2.40E-05	1.11E-06
92	436907.32	3725576.98	1.86E-04	8.13E-06	3.89E-05	2.07E-06	2.00E-04	9.83E-06	2.38E-05	1.10E-06
93	436889.14	3724969.19	1.56E-04	5.53E-06	3.25E-05	1.34E-06	1.68E-04	6.35E-06	1.96E-05	6.98E-07
94	436893.17	3724960.73	1.57E-04	5.50E-06	3.26E-05	1.33E-06	1.68E-04	6.30E-06	1.97E-05	6.93E-07
95	436897.2	3724952.27	1.57E-04	5.46E-06	3.26E-05	1.32E-06	1.68E-04	6.24E-06	1.97E-05	6.85E-07
96	436901.23	3724943.82	1.57E-04	5.42E-06	3.26E-05	1.30E-06	1.68E-04	6.18E-06	1.96E-05	6.78E-07
97	436905.26	3724935.36	1.57E-04	5.38E-06	3.26E-05	1.29E-06	1.69E-04	6.11E-06	1.97E-05	6.71E-07
98	436909.29	3724926.9	1.58E-04	5.36E-06	3.27E-05	1.28E-06	1.69E-04	6.08E-06	1.97E-05	6.66E-07
99	436913.32	3724918.45	1.59E-04	5.33E-06	3.29E-05	1.27E-06	1.70E-04	6.03E-06	1.98E-05	6.61E-07
100	436917.35	3724909.99	1.59E-04	5.30E-06	3.30E-05	1.27E-06	1.71E-04	5.99E-06	1.99E-05	6.55E-07
101	436921.38	3724901.53	1.59E-04	5.26E-06	3.30E-05	1.25E-06	1.71E-04	5.93E-06	1.99E-05	6.48E-07
102	436925.41	3724893.08	1.59E-04	5.21E-06	3.30E-05	1.24E-06	1.71E-04	5.86E-06	1.99E-05	6.40E-07
103	436929.44	3724884.62	1.59E-04	5.16E-06	3.30E-05	1.22E-06	1.71E-04	5.78E-06	1.98E-05	6.31E-07
104	436933.47	3724876.16	1.60E-04	5.13E-06	3.31E-05	1.21E-06	1.71E-04	5.73E-06	1.99E-05	6.25E-07
105	436937.5	3724867.7	1.61E-04	5.11E-06	3.33E-05	1.20E-06	1.72E-04	5.69E-06	2.00E-05	6.19E-07
106	436941.53	3724859.25	1.61E-04	5.08E-06	3.34E-05	1.19E-06	1.73E-04	5.64E-06	2.01E-05	6.13E-07
107	436945.56	3724850.79	1.62E-04	5.05E-06	3.35E-05	1.18E-06	1.74E-04	5.58E-06	2.01E-05	6.07E-07
108	436949.59	3724842.33	1.62E-04	5.00E-06	3.35E-05	1.17E-06	1.74E-04	5.51E-06	2.01E-05	5.98E-07
109	436953.62	3724833.88	1.61E-04	4.92E-06	3.33E-05	1.14E-06	1.72E-04	5.41E-06	2.00E-05	5.87E-07
110	436957.65	3724825.42	1.59E-04	4.84E-06	3.30E-05	1.12E-06	1.71E-04	5.31E-06	1.98E-05	5.75E-07

111	436961.68	3724816.96	1.58E-04	4.74E-06	3.26E-05	1.10E-06	1.69E-04	5.19E-06	1.96E-05	5.61E-07
112	436965.71	3724808.51	1.56E-04	4.65E-06	3.22E-05	1.07E-06	1.67E-04	5.08E-06	1.93E-05	5.48E-07
113	436969.74	3724800.05	1.54E-04	4.56E-06	3.19E-05	1.05E-06	1.65E-04	4.96E-06	1.91E-05	5.35E-07
114	436973.77	3724791.59	1.52E-04	4.46E-06	3.14E-05	1.02E-06	1.63E-04	4.84E-06	1.88E-05	5.21E-07
115	436977.8	3724783.14	1.50E-04	4.37E-06	3.11E-05	9.99E-07	1.61E-04	4.72E-06	1.86E-05	5.09E-07
116	436981.83	3724774.68	1.49E-04	4.30E-06	3.08E-05	9.80E-07	1.60E-04	4.63E-06	1.84E-05	4.98E-07
117	436985.86	3724766.22	1.48E-04	4.23E-06	3.05E-05	9.61E-07	1.59E-04	4.54E-06	1.83E-05	4.88E-07
118	436976.03	3725760.69	2.14E-04	9.78E-06	4.49E-05	2.51E-06	2.30E-04	1.19E-05	2.76E-05	1.34E-06
119	436982.35	3725767.73	2.17E-04	9.93E-06	4.55E-05	2.55E-06	2.33E-04	1.21E-05	2.79E-05	1.36E-06
120	436936.81	3725771.5	1.94E-04	8.65E-06	4.06E-05	2.21E-06	2.08E-04	1.05E-05	2.49E-05	1.18E-06
121	436933.68	3725762.64	1.93E-04	8.61E-06	4.04E-05	2.20E-06	2.07E-04	1.04E-05	2.48E-05	1.17E-06
122	436930.55	3725753.77	1.92E-04	8.56E-06	4.03E-05	2.19E-06	2.07E-04	1.04E-05	2.47E-05	1.16E-06
123	436911.75	3725700.55	1.90E-04	8.39E-06	3.97E-05	2.14E-06	2.04E-04	1.02E-05	2.43E-05	1.14E-06
124	436908.62	3725691.68	1.90E-04	8.38E-06	3.97E-05	2.14E-06	2.04E-04	1.01E-05	2.43E-05	1.14E-06
125	436905.49	3725682.81	1.89E-04	8.32E-06	3.95E-05	2.12E-06	2.03E-04	1.01E-05	2.42E-05	1.13E-06
126	436902.36	3725673.94	1.86E-04	8.19E-06	3.90E-05	2.09E-06	2.00E-04	9.90E-06	2.39E-05	1.11E-06
127	436899.23	3725665.07	1.84E-04	8.05E-06	3.84E-05	2.05E-06	1.97E-04	9.73E-06	2.35E-05	1.09E-06
128	436883.56	3725620.73	1.73E-04	7.47E-06	3.61E-05	1.90E-06	1.86E-04	9.00E-06	2.21E-05	1.01E-06
129	436880.43	3725611.86	1.72E-04	7.41E-06	3.59E-05	1.88E-06	1.84E-04	8.92E-06	2.20E-05	9.98E-07
130	436877.3	3725602.99	1.70E-04	7.35E-06	3.56E-05	1.87E-06	1.83E-04	8.84E-06	2.18E-05	9.89E-07
131	436874.17	3725594.12	1.69E-04	7.28E-06	3.54E-05	1.85E-06	1.82E-04	8.77E-06	2.17E-05	9.80E-07
132	436871.04	3725585.25	1.68E-04	7.22E-06	3.51E-05	1.83E-06	1.80E-04	8.69E-06	2.15E-05	9.71E-07
133	436867.9	3725576.38	1.67E-04	7.16E-06	3.49E-05	1.82E-06	1.79E-04	8.61E-06	2.13E-05	9.62E-07
134	436833.47	3725000.09	1.44E-04	5.28E-06	2.98E-05	1.29E-06	1.54E-04	6.12E-06	1.80E-05	6.75E-07
135	436837.52	3724991.6	1.44E-04	5.28E-06	3.00E-05	1.29E-06	1.55E-04	6.10E-06	1.81E-05	6.73E-07
136	436841.56	3724983.11	1.45E-04	5.28E-06	3.02E-05	1.29E-06	1.56E-04	6.09E-06	1.82E-05	6.72E-07
137	436845.61	3724974.62	1.46E-04	5.27E-06	3.03E-05	1.28E-06	1.57E-04	6.07E-06	1.83E-05	6.69E-07
138	436849.65	3724966.12	1.47E-04	5.26E-06	3.04E-05	1.28E-06	1.57E-04	6.05E-06	1.84E-05	6.66E-07
139	436853.7	3724957.63	1.47E-04	5.24E-06	3.06E-05	1.27E-06	1.58E-04	6.02E-06	1.85E-05	6.62E-07
140	436857.75	3724949.14	1.48E-04	5.22E-06	3.07E-05	1.26E-06	1.59E-04	5.99E-06	1.85E-05	6.59E-07
141	436861.79	3724940.65	1.48E-04	5.21E-06	3.08E-05	1.26E-06	1.59E-04	5.96E-06	1.86E-05	6.55E-07
142	436865.84	3724932.16	1.49E-04	5.19E-06	3.09E-05	1.25E-06	1.60E-04	5.92E-06	1.86E-05	6.51E-07
143	436869.89	3724923.67	1.49E-04	5.16E-06	3.10E-05	1.24E-06	1.60E-04	5.88E-06	1.87E-05	6.45E-07
144	436873.93	3724915.18	1.49E-04	5.12E-06	3.10E-05	1.23E-06	1.60E-04	5.83E-06	1.87E-05	6.39E-07
145	436877.98	3724906.69	1.50E-04	5.09E-06	3.10E-05	1.22E-06	1.61E-04	5.78E-06	1.87E-05	6.33E-07
146	436882.03	3724898.2	1.50E-04	5.06E-06	3.11E-05	1.21E-06	1.61E-04	5.73E-06	1.87E-05	6.27E-07
147	436886.07	3724889.7	1.50E-04	5.03E-06	3.11E-05	1.20E-06	1.61E-04	5.68E-06	1.87E-05	6.21E-07
148	436890.12	3724881.21	1.50E-04	4.99E-06	3.11E-05	1.19E-06	1.61E-04	5.62E-06	1.87E-05	6.15E-07
149	436894.16	3724872.72	1.50E-04	4.95E-06	3.11E-05	1.18E-06	1.61E-04	5.56E-06	1.87E-05	6.08E-07
150	436898.21	3724864.23	1.50E-04	4.91E-06	3.12E-05	1.16E-06	1.61E-04	5.51E-06	1.87E-05	6.01E-07
151	436902.26	3724855.74	1.51E-04	4.87E-06	3.12E-05	1.15E-06	1.61E-04	5.45E-06	1.87E-05	5.94E-07
152	436906.3	3724847.25	1.51E-04	4.83E-06	3.12E-05	1.14E-06	1.62E-04	5.39E-06	1.87E-05	5.87E-07
153	436910.35	3724838.76	1.50E-04	4.78E-06	3.11E-05	1.12E-06	1.61E-04	5.32E-06	1.87E-05	5.79E-07
154	436914.4	3724830.27	1.50E-04	4.72E-06	3.10E-05	1.11E-06	1.61E-04	5.24E-06	1.86E-05	5.70E-07
155	436918.44	3724821.78	1.49E-04	4.66E-06	3.08E-05	1.09E-06	1.60E-04	5.16E-06	1.85E-05	5.60E-07
156	436922.49	3724813.28	1.48E-04	4.60E-06	3.06E-05	1.07E-06	1.59E-04	5.08E-06	1.84E-05	5.51E-07
157	436926.54	3724804.79	1.47E-04	4.54E-06	3.05E-05	1.06E-06	1.58E-04	5.00E-06	1.83E-05	5.42E-07
158	436930.58	3724796.3	1.47E-04	4.48E-06	3.03E-05	1.04E-06	1.57E-04	4.92E-06	1.82E-05	5.33E-07
159	436934.63	3724787.81	1.46E-04	4.41E-06	3.01E-05	1.02E-06	1.56E-04	4.83E-06	1.80E-05	5.23E-07
160	436938.67	3724779.32	1.45E-04	4.36E-06	3.00E-05	1.01E-06	1.55E-04	4.76E-06	1.79E-05	5.14E-07
161	436942.72	3724770.83	1.44E-04	4.29E-06	2.98E-05	9.89E-07	1.55E-04	4.67E-06	1.78E-05	5.05E-07
162	436946.77	3724762.34	1.43E-04	4.23E-06	2.96E-05	9.71E-07	1.53E-04	4.59E-06	1.77E-05	4.95E-07
163	436950.81	3724753.85	1.42E-04	4.17E-06	2.93E-05	9.54E-07	1.52E-04	4.51E-06	1.75E-05	4.86E-07
164	436954.86	3724745.36	1.41E-04	4.11E-06	2.92E-05	9.39E-07	1.52E-04	4.44E-06	1.74E-05	4.78E-07
165	436958.91	3724736.86	1.40E-04	4.06E-06	2.90E-05	9.24E-07	1.51E-04	4.37E-06	1.73E-05	4.69E-07
166	436962.95	3724728.37	1.40E-04	4.01E-06	2.89E-05	9.11E-07	1.50E-04	4.31E-06	1.72E-05	4.63E-07
167	436939.94	3725780.37	1.95E-04	8.70E-06	4.08E-05	2.23E-06	2.09E-04	1.05E-05	2.50E-05	1.18E-06

168	436946.26	3725787.41	1.97E-04	8.84E-06	4.13E-05	2.26E-06	2.12E-04	1.07E-05	2.53E-05	1.20E-06
169	436952.58	3725794.45	2.00E-04	8.99E-06	4.18E-05	2.30E-06	2.15E-04	1.09E-05	2.57E-05	1.22E-06
170	436907.03	3725798.19	1.80E-04	7.90E-06	3.76E-05	2.01E-06	1.93E-04	9.54E-06	2.30E-05	1.07E-06
171	436903.89	3725789.29	1.79E-04	7.88E-06	3.75E-05	2.01E-06	1.93E-04	9.52E-06	2.30E-05	1.07E-06
172	436900.75	3725780.39	1.79E-04	7.87E-06	3.75E-05	2.01E-06	1.93E-04	9.51E-06	2.30E-05	1.06E-06
173	436897.6	3725771.49	1.79E-04	7.84E-06	3.74E-05	2.00E-06	1.92E-04	9.46E-06	2.29E-05	1.06E-06
174	436894.46	3725762.59	1.78E-04	7.79E-06	3.72E-05	1.98E-06	1.91E-04	9.41E-06	2.28E-05	1.05E-06
175	436872.45	3725700.27	1.73E-04	7.52E-06	3.62E-05	1.91E-06	1.86E-04	9.06E-06	2.22E-05	1.01E-06
176	436869.31	3725691.37	1.72E-04	7.45E-06	3.60E-05	1.89E-06	1.85E-04	8.97E-06	2.20E-05	1.00E-06
177	436866.17	3725682.47	1.70E-04	7.36E-06	3.56E-05	1.87E-06	1.83E-04	8.86E-06	2.18E-05	9.91E-07
178	436863.02	3725673.57	1.68E-04	7.25E-06	3.52E-05	1.84E-06	1.81E-04	8.72E-06	2.15E-05	9.75E-07
179	436859.88	3725664.67	1.66E-04	7.14E-06	3.47E-05	1.81E-06	1.78E-04	8.59E-06	2.12E-05	9.61E-07
180	436856.74	3725655.76	1.64E-04	7.05E-06	3.43E-05	1.79E-06	1.76E-04	8.47E-06	2.10E-05	9.47E-07
181	436853.59	3725646.86	1.62E-04	6.93E-06	3.39E-05	1.76E-06	1.74E-04	8.32E-06	2.07E-05	9.30E-07
182	436850.45	3725637.96	1.60E-04	6.82E-06	3.34E-05	1.73E-06	1.72E-04	8.19E-06	2.04E-05	9.15E-07
183	436847.31	3725629.06	1.58E-04	6.72E-06	3.30E-05	1.70E-06	1.70E-04	8.06E-06	2.02E-05	9.01E-07
184	436844.16	3725620.16	1.57E-04	6.65E-06	3.27E-05	1.68E-06	1.68E-04	7.98E-06	2.00E-05	8.92E-07
185	436841.02	3725611.26	1.56E-04	6.60E-06	3.25E-05	1.67E-06	1.67E-04	7.92E-06	1.99E-05	8.84E-07
186	436837.87	3725602.35	1.55E-04	6.56E-06	3.23E-05	1.66E-06	1.66E-04	7.86E-06	1.97E-05	8.78E-07
187	436834.73	3725593.45	1.54E-04	6.51E-06	3.21E-05	1.65E-06	1.65E-04	7.80E-06	1.96E-05	8.71E-07
188	436831.59	3725584.55	1.53E-04	6.45E-06	3.19E-05	1.63E-06	1.64E-04	7.73E-06	1.95E-05	8.63E-07
189	436828.44	3725575.65	1.51E-04	6.40E-06	3.16E-05	1.62E-06	1.63E-04	7.66E-06	1.93E-05	8.55E-07
190	436773.58	3725039.85	1.31E-04	4.96E-06	2.72E-05	1.22E-06	1.40E-04	5.79E-06	1.64E-05	6.41E-07
191	436777.64	3725031.33	1.32E-04	4.98E-06	2.73E-05	1.22E-06	1.41E-04	5.80E-06	1.66E-05	6.41E-07
192	436781.7	3725022.8	1.32E-04	4.99E-06	2.75E-05	1.23E-06	1.42E-04	5.80E-06	1.67E-05	6.42E-07
193	436785.76	3725014.28	1.33E-04	5.00E-06	2.77E-05	1.23E-06	1.43E-04	5.81E-06	1.68E-05	6.42E-07
194	436789.82	3725005.76	1.34E-04	5.01E-06	2.79E-05	1.23E-06	1.44E-04	5.81E-06	1.69E-05	6.42E-07
195	436793.88	3724997.24	1.35E-04	5.01E-06	2.81E-05	1.23E-06	1.45E-04	5.81E-06	1.70E-05	6.42E-07
196	436797.94	3724988.71	1.36E-04	5.02E-06	2.83E-05	1.23E-06	1.46E-04	5.81E-06	1.71E-05	6.42E-07
197	436802	3724980.19	1.37E-04	5.02E-06	2.85E-05	1.23E-06	1.47E-04	5.81E-06	1.72E-05	6.41E-07
198	436806.07	3724971.67	1.38E-04	5.03E-06	2.86E-05	1.23E-06	1.48E-04	5.80E-06	1.73E-05	6.40E-07
199	436810.13	3724963.15	1.39E-04	5.03E-06	2.88E-05	1.22E-06	1.49E-04	5.79E-06	1.74E-05	6.38E-07
200	436814.19	3724954.62	1.39E-04	5.02E-06	2.89E-05	1.22E-06	1.50E-04	5.77E-06	1.75E-05	6.36E-07
201	436818.25	3724946.1	1.40E-04	5.01E-06	2.90E-05	1.22E-06	1.50E-04	5.75E-06	1.75E-05	6.33E-07
202	436822.31	3724937.58	1.41E-04	4.99E-06	2.92E-05	1.21E-06	1.51E-04	5.73E-06	1.76E-05	6.30E-07
203	436826.37	3724929.06	1.41E-04	4.98E-06	2.93E-05	1.20E-06	1.51E-04	5.70E-06	1.77E-05	6.27E-07
204	436830.43	3724920.54	1.42E-04	4.96E-06	2.94E-05	1.20E-06	1.52E-04	5.67E-06	1.77E-05	6.23E-07
205	436834.49	3724912.01	1.42E-04	4.95E-06	2.95E-05	1.19E-06	1.52E-04	5.64E-06	1.78E-05	6.20E-07
206	436838.56	3724903.49	1.43E-04	4.93E-06	2.96E-05	1.19E-06	1.53E-04	5.61E-06	1.78E-05	6.16E-07
207	436842.62	3724894.97	1.43E-04	4.91E-06	2.97E-05	1.18E-06	1.53E-04	5.58E-06	1.79E-05	6.12E-07
208	436846.68	3724886.45	1.43E-04	4.89E-06	2.97E-05	1.17E-06	1.54E-04	5.54E-06	1.79E-05	6.07E-07
209	436850.74	3724877.92	1.44E-04	4.87E-06	2.98E-05	1.16E-06	1.54E-04	5.51E-06	1.80E-05	6.03E-07
210	436854.8	3724869.4	1.44E-04	4.84E-06	2.98E-05	1.15E-06	1.55E-04	5.46E-06	1.80E-05	5.97E-07
211	436858.86	3724860.88	1.44E-04	4.79E-06	2.98E-05	1.14E-06	1.54E-04	5.40E-06	1.79E-05	5.91E-07
212	436862.92	3724852.36	1.44E-04	4.75E-06	2.98E-05	1.13E-06	1.54E-04	5.34E-06	1.79E-05	5.84E-07
213	436866.98	3724843.83	1.44E-04	4.71E-06	2.97E-05	1.12E-06	1.54E-04	5.28E-06	1.79E-05	5.77E-07
214	436871.05	3724835.31	1.43E-04	4.66E-06	2.97E-05	1.10E-06	1.54E-04	5.22E-06	1.78E-05	5.69E-07
215	436875.11	3724826.79	1.43E-04	4.61E-06	2.96E-05	1.09E-06	1.53E-04	5.15E-06	1.78E-05	5.62E-07
216	436879.17	3724818.27	1.42E-04	4.57E-06	2.95E-05	1.08E-06	1.53E-04	5.09E-06	1.77E-05	5.54E-07
217	436883.23	3724809.74	1.42E-04	4.51E-06	2.94E-05	1.06E-06	1.52E-04	5.02E-06	1.76E-05	5.46E-07
218	436887.29	3724801.22	1.41E-04	4.46E-06	2.93E-05	1.05E-06	1.52E-04	4.95E-06	1.76E-05	5.38E-07
219	436891.35	3724792.7	1.41E-04	4.41E-06	2.91E-05	1.03E-06	1.51E-04	4.88E-06	1.75E-05	5.30E-07
220	436895.41	3724784.18	1.40E-04	4.35E-06	2.90E-05	1.02E-06	1.50E-04	4.81E-06	1.74E-05	5.22E-07
221	436899.47	3724775.66	1.40E-04	4.30E-06	2.89E-05	1.00E-06	1.50E-04	4.73E-06	1.73E-05	5.13E-07
222	436903.54	3724767.13	1.39E-04	4.24E-06	2.87E-05	9.86E-07	1.49E-04	4.66E-06	1.72E-05	5.05E-07
223	436907.6	3724758.61	1.38E-04	4.19E-06	2.85E-05	9.70E-07	1.48E-04	4.59E-06	1.71E-05	4.96E-07
224	436911.66	3724750.09	1.37E-04	4.13E-06	2.83E-05	9.54E-07	1.47E-04	4.51E-06	1.70E-05	4.88E-07

225	436915.72	3724741.57	1.36E-04	4.07E-06	2.81E-05	9.38E-07	1.46E-04	4.44E-06	1.68E-05	4.79E-07
226	436919.78	3724733.04	1.35E-04	4.01E-06	2.79E-05	9.22E-07	1.45E-04	4.36E-06	1.67E-05	4.71E-07
227	436923.84	3724724.52	1.34E-04	3.95E-06	2.77E-05	9.06E-07	1.44E-04	4.28E-06	1.65E-05	4.62E-07
228	436927.9	3724716	1.33E-04	3.89E-06	2.74E-05	8.89E-07	1.42E-04	4.20E-06	1.64E-05	4.53E-07
229	436931.96	3724707.48	1.32E-04	3.83E-06	2.72E-05	8.73E-07	1.41E-04	4.13E-06	1.62E-05	4.44E-07
230	436936.02	3724698.95	1.30E-04	3.77E-06	2.69E-05	8.57E-07	1.40E-04	4.05E-06	1.61E-05	4.36E-07
231	436940.09	3724690.43	1.29E-04	3.70E-06	2.66E-05	8.40E-07	1.38E-04	3.97E-06	1.59E-05	4.27E-07
232	436910.18	3725807.1	1.80E-04	7.92E-06	3.77E-05	2.02E-06	1.93E-04	9.57E-06	2.31E-05	1.07E-06
233	436916.5	3725814.14	1.82E-04	8.02E-06	3.81E-05	2.05E-06	1.95E-04	9.69E-06	2.33E-05	1.09E-06
234	436922.82	3725821.18	1.84E-04	8.13E-06	3.85E-05	2.07E-06	1.97E-04	9.83E-06	2.36E-05	1.10E-06
235	436877.3	3725825.01	1.64E-04	7.10E-06	3.44E-05	1.80E-06	1.77E-04	8.54E-06	2.10E-05	9.55E-07
236	436874.19	3725816.2	1.64E-04	7.08E-06	3.43E-05	1.80E-06	1.76E-04	8.51E-06	2.10E-05	9.52E-07
237	436871.08	3725807.39	1.64E-04	7.05E-06	3.42E-05	1.79E-06	1.76E-04	8.48E-06	2.09E-05	9.48E-07
238	436867.97	3725798.59	1.63E-04	7.03E-06	3.41E-05	1.78E-06	1.75E-04	8.45E-06	2.08E-05	9.45E-07
239	436864.86	3725789.78	1.63E-04	7.01E-06	3.40E-05	1.78E-06	1.75E-04	8.43E-06	2.08E-05	9.42E-07
240	436861.75	3725780.97	1.62E-04	6.99E-06	3.40E-05	1.77E-06	1.75E-04	8.40E-06	2.07E-05	9.39E-07
241	436858.64	3725772.16	1.62E-04	6.97E-06	3.39E-05	1.77E-06	1.74E-04	8.38E-06	2.07E-05	9.36E-07
242	436855.53	3725763.36	1.62E-04	6.96E-06	3.39E-05	1.77E-06	1.74E-04	8.37E-06	2.07E-05	9.35E-07
243	436852.42	3725754.55	1.62E-04	6.95E-06	3.38E-05	1.76E-06	1.74E-04	8.36E-06	2.07E-05	9.34E-07
244	436836.87	3725710.51	1.59E-04	6.80E-06	3.33E-05	1.72E-06	1.71E-04	8.16E-06	2.03E-05	9.12E-07
245	436833.76	3725701.7	1.58E-04	6.73E-06	3.30E-05	1.70E-06	1.69E-04	8.07E-06	2.01E-05	9.02E-07
246	436830.65	3725692.89	1.57E-04	6.66E-06	3.27E-05	1.69E-06	1.68E-04	7.99E-06	2.00E-05	8.93E-07
247	436827.54	3725684.09	1.55E-04	6.60E-06	3.25E-05	1.67E-06	1.67E-04	7.92E-06	1.98E-05	8.84E-07
248	436824.43	3725675.28	1.54E-04	6.53E-06	3.22E-05	1.65E-06	1.65E-04	7.82E-06	1.96E-05	8.74E-07
249	436821.32	3725666.47	1.53E-04	6.46E-06	3.19E-05	1.63E-06	1.64E-04	7.73E-06	1.94E-05	8.64E-07
250	436818.21	3725657.66	1.51E-04	6.39E-06	3.16E-05	1.61E-06	1.62E-04	7.65E-06	1.93E-05	8.54E-07
251	436815.09	3725648.86	1.49E-04	6.30E-06	3.12E-05	1.59E-06	1.61E-04	7.54E-06	1.90E-05	8.42E-07
252	436811.98	3725640.05	1.48E-04	6.22E-06	3.09E-05	1.57E-06	1.59E-04	7.44E-06	1.88E-05	8.31E-07
253	436808.87	3725631.24	1.46E-04	6.15E-06	3.06E-05	1.55E-06	1.57E-04	7.35E-06	1.86E-05	8.20E-07
254	436716.74	3725073.19	1.20E-04	4.65E-06	2.50E-05	1.15E-06	1.29E-04	5.45E-06	1.52E-05	6.04E-07
255	436720.76	3725064.75	1.21E-04	4.68E-06	2.52E-05	1.15E-06	1.30E-04	5.47E-06	1.53E-05	6.06E-07
256	436724.78	3725056.32	1.22E-04	4.69E-06	2.54E-05	1.16E-06	1.31E-04	5.48E-06	1.54E-05	6.07E-07
257	436728.8	3725047.89	1.23E-04	4.70E-06	2.55E-05	1.16E-06	1.32E-04	5.49E-06	1.55E-05	6.08E-07
258	436732.81	3725039.46	1.24E-04	4.71E-06	2.57E-05	1.16E-06	1.33E-04	5.50E-06	1.55E-05	6.09E-07
259	436736.83	3725031.03	1.24E-04	4.72E-06	2.58E-05	1.16E-06	1.33E-04	5.50E-06	1.56E-05	6.09E-07
260	436740.85	3725022.59	1.25E-04	4.73E-06	2.60E-05	1.16E-06	1.34E-04	5.51E-06	1.57E-05	6.09E-07
261	436744.87	3725014.16	1.26E-04	4.74E-06	2.61E-05	1.16E-06	1.35E-04	5.51E-06	1.58E-05	6.10E-07
262	436748.89	3725005.73	1.26E-04	4.75E-06	2.63E-05	1.16E-06	1.36E-04	5.52E-06	1.59E-05	6.10E-07
263	436752.91	3724997.3	1.27E-04	4.75E-06	2.64E-05	1.17E-06	1.37E-04	5.52E-06	1.60E-05	6.10E-07
264	436756.92	3724988.87	1.28E-04	4.77E-06	2.66E-05	1.17E-06	1.38E-04	5.53E-06	1.61E-05	6.10E-07
265	436760.94	3724980.43	1.29E-04	4.77E-06	2.68E-05	1.17E-06	1.38E-04	5.53E-06	1.62E-05	6.10E-07
266	436764.96	3724972	1.30E-04	4.78E-06	2.70E-05	1.17E-06	1.39E-04	5.53E-06	1.63E-05	6.11E-07
267	436768.98	3724963.57	1.31E-04	4.79E-06	2.72E-05	1.17E-06	1.40E-04	5.53E-06	1.64E-05	6.10E-07
268	436773	3724955.14	1.32E-04	4.79E-06	2.73E-05	1.17E-06	1.41E-04	5.53E-06	1.65E-05	6.10E-07
269	436777.02	3724946.7	1.32E-04	4.79E-06	2.75E-05	1.17E-06	1.42E-04	5.52E-06	1.66E-05	6.08E-07
270	436781.03	3724938.27	1.33E-04	4.79E-06	2.76E-05	1.16E-06	1.43E-04	5.51E-06	1.67E-05	6.07E-07
271	436785.05	3724929.84	1.34E-04	4.79E-06	2.78E-05	1.16E-06	1.44E-04	5.50E-06	1.68E-05	6.06E-07
272	436789.07	3724921.41	1.34E-04	4.77E-06	2.78E-05	1.16E-06	1.44E-04	5.47E-06	1.68E-05	6.02E-07
273	436793.09	3724912.98	1.34E-04	4.76E-06	2.79E-05	1.15E-06	1.44E-04	5.44E-06	1.68E-05	5.99E-07
274	436797.11	3724904.54	1.35E-04	4.73E-06	2.79E-05	1.14E-06	1.45E-04	5.41E-06	1.68E-05	5.95E-07
275	436801.12	3724896.11	1.35E-04	4.71E-06	2.80E-05	1.14E-06	1.45E-04	5.37E-06	1.69E-05	5.90E-07
276	436805.14	3724887.68	1.35E-04	4.69E-06	2.80E-05	1.13E-06	1.45E-04	5.34E-06	1.69E-05	5.86E-07
277	436809.16	3724879.25	1.35E-04	4.66E-06	2.80E-05	1.12E-06	1.45E-04	5.30E-06	1.69E-05	5.81E-07
278	436813.18	3724870.81	1.35E-04	4.63E-06	2.80E-05	1.11E-06	1.45E-04	5.25E-06	1.69E-05	5.76E-07
279	436817.2	3724862.38	1.35E-04	4.60E-06	2.80E-05	1.10E-06	1.45E-04	5.21E-06	1.69E-05	5.71E-07
280	436821.22	3724853.95	1.35E-04	4.56E-06	2.80E-05	1.09E-06	1.45E-04	5.16E-06	1.69E-05	5.65E-07
281	436825.23	3724845.52	1.35E-04	4.53E-06	2.80E-05	1.08E-06	1.45E-04	5.12E-06	1.69E-05	5.60E-07

282	436829.25	3724837.09	1.35E-04	4.50E-06	2.80E-05	1.07E-06	1.45E-04	5.07E-06	1.68E-05	5.54E-07
283	436833.27	3724828.65	1.35E-04	4.46E-06	2.79E-05	1.06E-06	1.45E-04	5.01E-06	1.68E-05	5.48E-07
284	436837.29	3724820.22	1.34E-04	4.42E-06	2.79E-05	1.05E-06	1.44E-04	4.96E-06	1.67E-05	5.42E-07
285	436841.31	3724811.79	1.34E-04	4.38E-06	2.78E-05	1.04E-06	1.44E-04	4.90E-06	1.67E-05	5.35E-07
286	436845.33	3724803.36	1.34E-04	4.34E-06	2.77E-05	1.02E-06	1.44E-04	4.85E-06	1.66E-05	5.29E-07
287	436849.34	3724794.93	1.33E-04	4.29E-06	2.76E-05	1.01E-06	1.43E-04	4.79E-06	1.66E-05	5.22E-07
288	436853.36	3724786.49	1.33E-04	4.25E-06	2.75E-05	1.00E-06	1.43E-04	4.73E-06	1.65E-05	5.15E-07
289	436857.38	3724778.06	1.32E-04	4.20E-06	2.74E-05	9.87E-07	1.42E-04	4.67E-06	1.64E-05	5.08E-07
290	436861.4	3724769.63	1.32E-04	4.16E-06	2.73E-05	9.74E-07	1.41E-04	4.61E-06	1.64E-05	5.01E-07
291	436865.42	3724761.2	1.31E-04	4.11E-06	2.71E-05	9.60E-07	1.41E-04	4.54E-06	1.63E-05	4.93E-07
292	436869.44	3724752.76	1.30E-04	4.06E-06	2.70E-05	9.47E-07	1.40E-04	4.48E-06	1.62E-05	4.86E-07
293	436873.45	3724744.33	1.30E-04	4.01E-06	2.68E-05	9.33E-07	1.39E-04	4.41E-06	1.61E-05	4.79E-07
294	436877.47	3724735.9	1.29E-04	3.96E-06	2.67E-05	9.20E-07	1.38E-04	4.35E-06	1.60E-05	4.71E-07
295	436881.49	3724727.47	1.28E-04	3.91E-06	2.65E-05	9.06E-07	1.37E-04	4.28E-06	1.59E-05	4.64E-07
296	436885.51	3724719.04	1.27E-04	3.86E-06	2.63E-05	8.91E-07	1.37E-04	4.22E-06	1.58E-05	4.56E-07
297	436889.53	3724710.6	1.26E-04	3.80E-06	2.61E-05	8.78E-07	1.36E-04	4.15E-06	1.56E-05	4.48E-07
298	436893.54	3724702.17	1.25E-04	3.75E-06	2.59E-05	8.63E-07	1.35E-04	4.08E-06	1.55E-05	4.41E-07
299	436897.56	3724693.74	1.25E-04	3.70E-06	2.57E-05	8.49E-07	1.34E-04	4.01E-06	1.54E-05	4.33E-07
300	436901.58	3724685.31	1.23E-04	3.64E-06	2.55E-05	8.34E-07	1.32E-04	3.94E-06	1.52E-05	4.25E-07
301	436905.6	3724676.87	1.22E-04	3.59E-06	2.53E-05	8.20E-07	1.31E-04	3.87E-06	1.51E-05	4.17E-07
302	436909.62	3724668.44	1.21E-04	3.53E-06	2.50E-05	8.05E-07	1.30E-04	3.80E-06	1.49E-05	4.09E-07
303	436913.64	3724660.01	1.20E-04	3.48E-06	2.48E-05	7.91E-07	1.29E-04	3.74E-06	1.48E-05	4.02E-07
304	436917.65	3724651.58	1.19E-04	3.42E-06	2.45E-05	7.76E-07	1.27E-04	3.67E-06	1.46E-05	3.94E-07
305	436921.67	3724643.15	1.18E-04	3.36E-06	2.43E-05	7.62E-07	1.26E-04	3.60E-06	1.45E-05	3.86E-07
306	436925.69	3724634.71	1.16E-04	3.31E-06	2.40E-05	7.47E-07	1.25E-04	3.53E-06	1.43E-05	3.79E-07
307	436929.71	3724626.28	1.15E-04	3.25E-06	2.37E-05	7.33E-07	1.23E-04	3.46E-06	1.41E-05	3.71E-07
308	436933.73	3724617.85	1.14E-04	3.19E-06	2.34E-05	7.19E-07	1.22E-04	3.40E-06	1.40E-05	3.63E-07
309	436937.75	3724609.42	1.12E-04	3.14E-06	2.31E-05	7.05E-07	1.20E-04	3.33E-06	1.38E-05	3.56E-07
310	436941.76	3724600.99	1.11E-04	3.08E-06	2.28E-05	6.91E-07	1.19E-04	3.26E-06	1.36E-05	3.49E-07
311	436880.41	3725833.82	1.65E-04	7.12E-06	3.44E-05	1.81E-06	1.77E-04	8.57E-06	2.11E-05	9.58E-07
312	436886.73	3725840.86	1.67E-04	7.23E-06	3.49E-05	1.84E-06	1.79E-04	8.70E-06	2.13E-05	9.73E-07
313	436893.05	3725847.9	1.69E-04	7.34E-06	3.53E-05	1.87E-06	1.82E-04	8.85E-06	2.16E-05	9.89E-07
314	436847.52	3725851.7	1.53E-04	6.51E-06	3.19E-05	1.65E-06	1.64E-04	7.81E-06	1.95E-05	8.72E-07
315	436844.4	3725842.86	1.52E-04	6.48E-06	3.18E-05	1.64E-06	1.63E-04	7.76E-06	1.94E-05	8.67E-07
316	436841.28	3725834.02	1.52E-04	6.44E-06	3.17E-05	1.63E-06	1.63E-04	7.72E-06	1.93E-05	8.62E-07
317	436838.16	3725825.18	1.51E-04	6.42E-06	3.15E-05	1.62E-06	1.62E-04	7.69E-06	1.93E-05	8.58E-07
318	436835.04	3725816.34	1.51E-04	6.39E-06	3.14E-05	1.62E-06	1.62E-04	7.65E-06	1.92E-05	8.55E-07
319	436831.92	3725807.5	1.50E-04	6.36E-06	3.13E-05	1.61E-06	1.61E-04	7.61E-06	1.91E-05	8.50E-07
320	436828.79	3725798.66	1.49E-04	6.33E-06	3.12E-05	1.60E-06	1.61E-04	7.58E-06	1.90E-05	8.46E-07
321	436825.67	3725789.82	1.49E-04	6.30E-06	3.11E-05	1.59E-06	1.60E-04	7.54E-06	1.90E-05	8.42E-07
322	436822.55	3725780.98	1.48E-04	6.27E-06	3.10E-05	1.58E-06	1.59E-04	7.50E-06	1.89E-05	8.38E-07
323	436819.43	3725772.14	1.48E-04	6.25E-06	3.09E-05	1.58E-06	1.59E-04	7.48E-06	1.88E-05	8.34E-07
324	436816.31	3725763.3	1.48E-04	6.23E-06	3.08E-05	1.57E-06	1.59E-04	7.46E-06	1.88E-05	8.32E-07
325	436791.34	3725692.58	1.45E-04	6.08E-06	3.02E-05	1.53E-06	1.55E-04	7.26E-06	1.84E-05	8.10E-07
326	436788.21	3725683.75	1.44E-04	6.04E-06	3.01E-05	1.52E-06	1.55E-04	7.22E-06	1.83E-05	8.06E-07
327	436672.98	3725079.09	1.10E-04	4.25E-06	2.28E-05	1.05E-06	1.18E-04	4.98E-06	1.38E-05	5.52E-07
328	436677.02	3725070.62	1.11E-04	4.28E-06	2.30E-05	1.06E-06	1.19E-04	5.00E-06	1.39E-05	5.54E-07
329	436681.05	3725062.16	1.12E-04	4.31E-06	2.32E-05	1.06E-06	1.20E-04	5.03E-06	1.41E-05	5.58E-07
330	436685.08	3725053.7	1.13E-04	4.33E-06	2.34E-05	1.07E-06	1.21E-04	5.06E-06	1.42E-05	5.61E-07
331	436689.11	3725045.23	1.14E-04	4.37E-06	2.37E-05	1.08E-06	1.22E-04	5.10E-06	1.43E-05	5.64E-07
332	436693.15	3725036.77	1.15E-04	4.40E-06	2.39E-05	1.08E-06	1.24E-04	5.13E-06	1.45E-05	5.68E-07
333	436697.18	3725028.31	1.16E-04	4.43E-06	2.42E-05	1.09E-06	1.25E-04	5.16E-06	1.46E-05	5.71E-07
334	436701.21	3725019.85	1.17E-04	4.45E-06	2.44E-05	1.09E-06	1.26E-04	5.18E-06	1.47E-05	5.73E-07
335	436705.25	3725011.38	1.18E-04	4.47E-06	2.45E-05	1.10E-06	1.27E-04	5.20E-06	1.48E-05	5.75E-07
336	436709.28	3725002.92	1.19E-04	4.48E-06	2.47E-05	1.10E-06	1.28E-04	5.21E-06	1.49E-05	5.76E-07
337	436713.31	3724994.46	1.20E-04	4.49E-06	2.49E-05	1.10E-06	1.29E-04	5.22E-06	1.50E-05	5.77E-07
338	436717.34	3724985.99	1.21E-04	4.51E-06	2.51E-05	1.11E-06	1.30E-04	5.23E-06	1.52E-05	5.78E-07

339	436721.38	3724977.53	1.22E-04	4.52E-06	2.53E-05	1.11E-06	1.31E-04	5.24E-06	1.53E-05	5.79E-07
340	436725.41	3724969.07	1.23E-04	4.54E-06	2.54E-05	1.11E-06	1.31E-04	5.25E-06	1.54E-05	5.80E-07
341	436729.44	3724960.61	1.23E-04	4.54E-06	2.56E-05	1.11E-06	1.32E-04	5.25E-06	1.55E-05	5.80E-07
342	436733.48	3724952.14	1.24E-04	4.55E-06	2.57E-05	1.11E-06	1.33E-04	5.25E-06	1.55E-05	5.79E-07
343	436737.51	3724943.68	1.25E-04	4.55E-06	2.59E-05	1.11E-06	1.34E-04	5.25E-06	1.56E-05	5.79E-07
344	436741.54	3724935.22	1.25E-04	4.54E-06	2.59E-05	1.11E-06	1.34E-04	5.23E-06	1.57E-05	5.77E-07
345	436745.57	3724926.76	1.25E-04	4.53E-06	2.60E-05	1.10E-06	1.35E-04	5.21E-06	1.57E-05	5.74E-07
346	436749.61	3724918.29	1.26E-04	4.52E-06	2.61E-05	1.10E-06	1.35E-04	5.19E-06	1.58E-05	5.72E-07
347	436753.64	3724909.83	1.26E-04	4.50E-06	2.62E-05	1.09E-06	1.35E-04	5.17E-06	1.58E-05	5.69E-07
348	436757.67	3724901.37	1.26E-04	4.49E-06	2.62E-05	1.09E-06	1.36E-04	5.14E-06	1.58E-05	5.66E-07
349	436761.71	3724892.9	1.27E-04	4.47E-06	2.63E-05	1.08E-06	1.36E-04	5.11E-06	1.58E-05	5.62E-07
350	436765.74	3724884.44	1.27E-04	4.45E-06	2.63E-05	1.07E-06	1.36E-04	5.08E-06	1.59E-05	5.59E-07
351	436769.77	3724875.98	1.27E-04	4.43E-06	2.63E-05	1.07E-06	1.36E-04	5.05E-06	1.59E-05	5.55E-07
352	436773.8	3724867.52	1.27E-04	4.41E-06	2.63E-05	1.06E-06	1.36E-04	5.02E-06	1.59E-05	5.51E-07
353	436777.84	3724859.05	1.27E-04	4.38E-06	2.64E-05	1.05E-06	1.36E-04	4.98E-06	1.59E-05	5.47E-07
354	436781.87	3724850.59	1.27E-04	4.36E-06	2.64E-05	1.05E-06	1.36E-04	4.95E-06	1.59E-05	5.42E-07
355	436785.9	3724842.13	1.27E-04	4.33E-06	2.63E-05	1.04E-06	1.36E-04	4.91E-06	1.59E-05	5.38E-07
356	436789.94	3724833.66	1.27E-04	4.30E-06	2.63E-05	1.03E-06	1.36E-04	4.87E-06	1.58E-05	5.33E-07
357	436793.97	3724825.2	1.27E-04	4.27E-06	2.63E-05	1.02E-06	1.36E-04	4.83E-06	1.58E-05	5.28E-07
358	436798	3724816.74	1.27E-04	4.24E-06	2.62E-05	1.01E-06	1.36E-04	4.78E-06	1.58E-05	5.23E-07
359	436802.03	3724808.28	1.27E-04	4.21E-06	2.62E-05	1.00E-06	1.36E-04	4.74E-06	1.58E-05	5.18E-07
360	436806.07	3724799.81	1.26E-04	4.17E-06	2.61E-05	9.91E-07	1.35E-04	4.69E-06	1.57E-05	5.12E-07
361	436810.1	3724791.35	1.26E-04	4.14E-06	2.61E-05	9.81E-07	1.35E-04	4.64E-06	1.57E-05	5.07E-07
362	436814.13	3724782.89	1.26E-04	4.10E-06	2.60E-05	9.70E-07	1.35E-04	4.59E-06	1.56E-05	5.01E-07
363	436818.17	3724774.42	1.25E-04	4.06E-06	2.59E-05	9.59E-07	1.34E-04	4.54E-06	1.56E-05	4.95E-07
364	436822.2	3724765.96	1.25E-04	4.02E-06	2.58E-05	9.49E-07	1.34E-04	4.49E-06	1.55E-05	4.89E-07
365	436826.23	3724757.5	1.24E-04	3.98E-06	2.57E-05	9.37E-07	1.33E-04	4.43E-06	1.54E-05	4.83E-07
366	436830.27	3724749.04	1.24E-04	3.94E-06	2.56E-05	9.26E-07	1.33E-04	4.38E-06	1.54E-05	4.76E-07
367	436834.3	3724740.57	1.23E-04	3.90E-06	2.55E-05	9.14E-07	1.32E-04	4.32E-06	1.53E-05	4.70E-07
368	436838.33	3724732.11	1.23E-04	3.86E-06	2.54E-05	9.02E-07	1.32E-04	4.27E-06	1.52E-05	4.63E-07
369	436842.36	3724723.65	1.22E-04	3.81E-06	2.52E-05	8.90E-07	1.31E-04	4.21E-06	1.51E-05	4.57E-07
370	436846.4	3724715.18	1.21E-04	3.77E-06	2.51E-05	8.77E-07	1.30E-04	4.15E-06	1.50E-05	4.50E-07
371	436850.43	3724706.72	1.21E-04	3.72E-06	2.49E-05	8.65E-07	1.29E-04	4.09E-06	1.49E-05	4.43E-07
372	436854.46	3724698.26	1.20E-04	3.68E-06	2.48E-05	8.53E-07	1.29E-04	4.03E-06	1.48E-05	4.37E-07
373	436858.5	3724689.8	1.19E-04	3.63E-06	2.46E-05	8.40E-07	1.28E-04	3.97E-06	1.47E-05	4.30E-07
374	436862.53	3724681.33	1.18E-04	3.58E-06	2.44E-05	8.27E-07	1.27E-04	3.91E-06	1.46E-05	4.23E-07
375	436866.56	3724672.87	1.17E-04	3.53E-06	2.42E-05	8.14E-07	1.26E-04	3.85E-06	1.45E-05	4.16E-07
376	436870.59	3724664.41	1.16E-04	3.48E-06	2.40E-05	8.01E-07	1.25E-04	3.79E-06	1.44E-05	4.09E-07
377	436874.63	3724655.94	1.15E-04	3.43E-06	2.38E-05	7.88E-07	1.24E-04	3.72E-06	1.42E-05	4.02E-07
378	436878.66	3724647.48	1.14E-04	3.38E-06	2.36E-05	7.75E-07	1.23E-04	3.66E-06	1.41E-05	3.95E-07
379	436882.69	3724639.02	1.13E-04	3.33E-06	2.34E-05	7.62E-07	1.22E-04	3.60E-06	1.40E-05	3.88E-07
380	436886.73	3724630.56	1.12E-04	3.28E-06	2.32E-05	7.49E-07	1.21E-04	3.54E-06	1.38E-05	3.81E-07
381	436890.76	3724622.09	1.11E-04	3.23E-06	2.30E-05	7.36E-07	1.19E-04	3.48E-06	1.37E-05	3.74E-07
382	436894.79	3724613.63	1.10E-04	3.18E-06	2.27E-05	7.23E-07	1.18E-04	3.42E-06	1.36E-05	3.67E-07
383	436898.82	3724605.17	1.09E-04	3.13E-06	2.25E-05	7.10E-07	1.17E-04	3.36E-06	1.34E-05	3.60E-07
384	436902.86	3724596.7	1.08E-04	3.09E-06	2.23E-05	6.98E-07	1.16E-04	3.30E-06	1.33E-05	3.54E-07
385	436906.89	3724588.24	1.07E-04	3.04E-06	2.20E-05	6.85E-07	1.15E-04	3.24E-06	1.31E-05	3.47E-07
386	436910.92	3724579.78	1.06E-04	2.99E-06	2.18E-05	6.73E-07	1.13E-04	3.18E-06	1.30E-05	3.41E-07
387	436914.96	3724571.32	1.04E-04	2.94E-06	2.15E-05	6.61E-07	1.12E-04	3.12E-06	1.28E-05	3.34E-07
388	436850.65	3725860.54	1.54E-04	6.55E-06	3.21E-05	1.66E-06	1.65E-04	7.85E-06	1.96E-05	8.77E-07
389	436856.97	3725867.58	1.55E-04	6.64E-06	3.25E-05	1.68E-06	1.67E-04	7.97E-06	1.98E-05	8.90E-07
390	436863.29	3725874.62	1.57E-04	6.75E-06	3.29E-05	1.71E-06	1.69E-04	8.10E-06	2.01E-05	9.05E-07
391	436817.75	3725878.39	1.44E-04	6.05E-06	3.00E-05	1.53E-06	1.54E-04	7.22E-06	1.83E-05	8.06E-07
392	436814.62	3725869.52	1.43E-04	6.01E-06	2.98E-05	1.52E-06	1.53E-04	7.18E-06	1.82E-05	8.01E-07
393	436811.48	3725860.65	1.42E-04	5.97E-06	2.96E-05	1.51E-06	1.53E-04	7.13E-06	1.81E-05	7.95E-07
394	436808.35	3725851.78	1.41E-04	5.93E-06	2.95E-05	1.50E-06	1.52E-04	7.08E-06	1.80E-05	7.90E-07
395	436805.22	3725842.91	1.41E-04	5.90E-06	2.93E-05	1.49E-06	1.51E-04	7.04E-06	1.79E-05	7.85E-07

396	436802.09	3725834.04	1.40E-04	5.86E-06	2.92E-05	1.48E-06	1.50E-04	7.00E-06	1.78E-05	7.80E-07
397	436798.96	3725825.17	1.39E-04	5.83E-06	2.91E-05	1.47E-06	1.50E-04	6.96E-06	1.77E-05	7.77E-07
398	436795.82	3725816.31	1.39E-04	5.81E-06	2.90E-05	1.46E-06	1.49E-04	6.93E-06	1.77E-05	7.73E-07
399	436792.69	3725807.44	1.38E-04	5.78E-06	2.89E-05	1.46E-06	1.49E-04	6.90E-06	1.76E-05	7.69E-07
400	436789.56	3725798.57	1.38E-04	5.76E-06	2.88E-05	1.45E-06	1.48E-04	6.87E-06	1.75E-05	7.66E-07
401	436786.43	3725789.7	1.38E-04	5.73E-06	2.87E-05	1.44E-06	1.48E-04	6.84E-06	1.75E-05	7.63E-07
402	436783.3	3725780.83	1.37E-04	5.72E-06	2.86E-05	1.44E-06	1.47E-04	6.81E-06	1.74E-05	7.60E-07
403	436657.51	3725025.64	1.07E-04	4.07E-06	2.22E-05	1.00E-06	1.15E-04	4.74E-06	1.34E-05	5.25E-07
404	436661.55	3725017.15	1.08E-04	4.10E-06	2.24E-05	1.01E-06	1.16E-04	4.77E-06	1.36E-05	5.28E-07
405	436665.6	3725008.66	1.09E-04	4.13E-06	2.26E-05	1.01E-06	1.17E-04	4.80E-06	1.37E-05	5.31E-07
406	436669.64	3725000.17	1.10E-04	4.16E-06	2.29E-05	1.02E-06	1.18E-04	4.83E-06	1.38E-05	5.34E-07
407	436673.69	3724991.67	1.11E-04	4.18E-06	2.31E-05	1.02E-06	1.19E-04	4.85E-06	1.39E-05	5.36E-07
408	436677.74	3724983.18	1.12E-04	4.19E-06	2.32E-05	1.03E-06	1.20E-04	4.86E-06	1.40E-05	5.37E-07
409	436681.78	3724974.69	1.13E-04	4.20E-06	2.34E-05	1.03E-06	1.21E-04	4.87E-06	1.41E-05	5.38E-07
410	436685.83	3724966.2	1.13E-04	4.22E-06	2.35E-05	1.03E-06	1.22E-04	4.88E-06	1.42E-05	5.39E-07
411	436689.88	3724957.71	1.14E-04	4.22E-06	2.37E-05	1.03E-06	1.22E-04	4.89E-06	1.43E-05	5.40E-07
412	436693.92	3724949.22	1.15E-04	4.23E-06	2.38E-05	1.03E-06	1.23E-04	4.88E-06	1.44E-05	5.39E-07
413	436697.97	3724940.73	1.15E-04	4.23E-06	2.39E-05	1.03E-06	1.23E-04	4.88E-06	1.44E-05	5.38E-07
414	436702.02	3724932.24	1.16E-04	4.23E-06	2.40E-05	1.03E-06	1.24E-04	4.88E-06	1.45E-05	5.38E-07
415	436706.06	3724923.75	1.16E-04	4.24E-06	2.41E-05	1.03E-06	1.25E-04	4.88E-06	1.46E-05	5.38E-07
416	436710.11	3724915.25	1.17E-04	4.24E-06	2.43E-05	1.03E-06	1.26E-04	4.88E-06	1.46E-05	5.38E-07
417	436714.15	3724906.76	1.18E-04	4.25E-06	2.44E-05	1.03E-06	1.26E-04	4.88E-06	1.47E-05	5.37E-07
418	436718.2	3724898.27	1.18E-04	4.25E-06	2.46E-05	1.03E-06	1.27E-04	4.88E-06	1.48E-05	5.37E-07
419	436722.25	3724889.78	1.19E-04	4.25E-06	2.47E-05	1.03E-06	1.28E-04	4.87E-06	1.49E-05	5.36E-07
420	436726.29	3724881.29	1.19E-04	4.23E-06	2.47E-05	1.02E-06	1.28E-04	4.85E-06	1.49E-05	5.33E-07
421	436730.34	3724872.8	1.19E-04	4.22E-06	2.48E-05	1.02E-06	1.28E-04	4.82E-06	1.49E-05	5.30E-07
422	436734.39	3724864.31	1.20E-04	4.20E-06	2.48E-05	1.01E-06	1.28E-04	4.80E-06	1.49E-05	5.27E-07
423	436738.43	3724855.82	1.20E-04	4.18E-06	2.48E-05	1.01E-06	1.28E-04	4.77E-06	1.49E-05	5.24E-07
424	436742.48	3724847.33	1.20E-04	4.16E-06	2.48E-05	1.00E-06	1.29E-04	4.74E-06	1.50E-05	5.20E-07
425	436746.53	3724838.83	1.20E-04	4.14E-06	2.48E-05	9.95E-07	1.29E-04	4.71E-06	1.50E-05	5.17E-07
426	436750.57	3724830.34	1.20E-04	4.12E-06	2.48E-05	9.89E-07	1.29E-04	4.68E-06	1.50E-05	5.13E-07
427	436754.62	3724821.85	1.20E-04	4.10E-06	2.48E-05	9.81E-07	1.29E-04	4.64E-06	1.49E-05	5.09E-07
428	436758.66	3724813.36	1.20E-04	4.07E-06	2.48E-05	9.74E-07	1.29E-04	4.61E-06	1.49E-05	5.05E-07
429	436762.71	3724804.87	1.20E-04	4.05E-06	2.48E-05	9.66E-07	1.28E-04	4.57E-06	1.49E-05	5.00E-07
430	436766.76	3724796.38	1.20E-04	4.02E-06	2.48E-05	9.58E-07	1.28E-04	4.53E-06	1.49E-05	4.96E-07
431	436770.8	3724787.89	1.19E-04	3.99E-06	2.47E-05	9.49E-07	1.28E-04	4.49E-06	1.49E-05	4.91E-07
432	436774.85	3724779.4	1.19E-04	3.96E-06	2.47E-05	9.41E-07	1.28E-04	4.45E-06	1.48E-05	4.86E-07
433	436778.9	3724770.91	1.19E-04	3.93E-06	2.46E-05	9.32E-07	1.27E-04	4.41E-06	1.48E-05	4.81E-07
434	436782.94	3724762.41	1.19E-04	3.90E-06	2.45E-05	9.23E-07	1.27E-04	4.37E-06	1.47E-05	4.76E-07
435	436786.99	3724753.92	1.18E-04	3.86E-06	2.45E-05	9.13E-07	1.27E-04	4.32E-06	1.47E-05	4.71E-07
436	436791.04	3724745.43	1.18E-04	3.83E-06	2.44E-05	9.03E-07	1.26E-04	4.27E-06	1.46E-05	4.66E-07
437	436795.08	3724736.94	1.17E-04	3.79E-06	2.43E-05	8.93E-07	1.26E-04	4.23E-06	1.46E-05	4.60E-07
438	436799.13	3724728.45	1.17E-04	3.75E-06	2.42E-05	8.83E-07	1.25E-04	4.18E-06	1.45E-05	4.55E-07
439	436803.17	3724719.96	1.16E-04	3.72E-06	2.41E-05	8.73E-07	1.25E-04	4.13E-06	1.44E-05	4.49E-07
440	436807.22	3724711.47	1.16E-04	3.68E-06	2.40E-05	8.62E-07	1.24E-04	4.08E-06	1.44E-05	4.43E-07
441	436811.27	3724702.98	1.15E-04	3.64E-06	2.38E-05	8.51E-07	1.24E-04	4.03E-06	1.43E-05	4.37E-07
442	436815.31	3724694.48	1.15E-04	3.60E-06	2.37E-05	8.40E-07	1.23E-04	3.97E-06	1.42E-05	4.31E-07
443	436819.36	3724685.99	1.14E-04	3.56E-06	2.36E-05	8.29E-07	1.22E-04	3.92E-06	1.41E-05	4.25E-07
444	436823.41	3724677.5	1.13E-04	3.52E-06	2.34E-05	8.18E-07	1.22E-04	3.87E-06	1.40E-05	4.19E-07
445	436827.45	3724669.01	1.13E-04	3.47E-06	2.33E-05	8.07E-07	1.21E-04	3.81E-06	1.39E-05	4.13E-07
446	436831.5	3724660.52	1.12E-04	3.43E-06	2.31E-05	7.95E-07	1.20E-04	3.76E-06	1.38E-05	4.07E-07
447	436835.55	3724652.03	1.11E-04	3.39E-06	2.30E-05	7.83E-07	1.19E-04	3.70E-06	1.37E-05	4.01E-07
448	436839.59	3724643.54	1.10E-04	3.35E-06	2.28E-05	7.72E-07	1.18E-04	3.65E-06	1.36E-05	3.95E-07
449	436843.64	3724635.05	1.10E-04	3.30E-06	2.26E-05	7.60E-07	1.17E-04	3.59E-06	1.35E-05	3.88E-07
450	436847.68	3724626.56	1.09E-04	3.25E-06	2.24E-05	7.48E-07	1.17E-04	3.54E-06	1.34E-05	3.82E-07
451	436851.73	3724618.06	1.08E-04	3.21E-06	2.22E-05	7.37E-07	1.16E-04	3.48E-06	1.33E-05	3.76E-07
452	436855.78	3724609.57	1.07E-04	3.16E-06	2.20E-05	7.24E-07	1.15E-04	3.42E-06	1.32E-05	3.69E-07

453	436859.82	3724601.08	1.06E-04	3.12E-06	2.18E-05	7.13E-07	1.14E-04	3.37E-06	1.30E-05	3.63E-07
454	436863.87	3724592.59	1.05E-04	3.08E-06	2.16E-05	7.01E-07	1.12E-04	3.32E-06	1.29E-05	3.57E-07
455	436867.92	3724584.1	1.04E-04	3.03E-06	2.14E-05	6.90E-07	1.11E-04	3.26E-06	1.28E-05	3.51E-07
456	436871.96	3724575.61	1.03E-04	2.99E-06	2.12E-05	6.79E-07	1.10E-04	3.21E-06	1.27E-05	3.45E-07
457	436876.01	3724567.12	1.02E-04	2.95E-06	2.10E-05	6.68E-07	1.09E-04	3.16E-06	1.25E-05	3.39E-07
458	436880.05	3724558.63	1.01E-04	2.90E-06	2.08E-05	6.57E-07	1.08E-04	3.11E-06	1.24E-05	3.33E-07
459	436884.1	3724550.14	9.98E-05	2.86E-06	2.06E-05	6.46E-07	1.07E-04	3.05E-06	1.22E-05	3.27E-07
460	436888.15	3724541.64	9.86E-05	2.81E-06	2.03E-05	6.34E-07	1.06E-04	2.99E-06	1.21E-05	3.21E-07
461	436820.88	3725887.26	1.44E-04	6.09E-06	3.01E-05	1.54E-06	1.55E-04	7.27E-06	1.84E-05	8.12E-07
462	436827.2	3725894.3	1.46E-04	6.17E-06	3.05E-05	1.56E-06	1.57E-04	7.38E-06	1.86E-05	8.24E-07
463	436833.52	3725901.34	1.48E-04	6.26E-06	3.09E-05	1.58E-06	1.59E-04	7.50E-06	1.88E-05	8.37E-07
464	436787.97	3725905.08	1.36E-04	5.65E-06	2.83E-05	1.42E-06	1.46E-04	6.73E-06	1.72E-05	7.51E-07
465	436784.83	3725896.19	1.35E-04	5.61E-06	2.81E-05	1.41E-06	1.45E-04	6.69E-06	1.71E-05	7.45E-07
466	436781.69	3725887.29	1.34E-04	5.58E-06	2.80E-05	1.40E-06	1.44E-04	6.65E-06	1.70E-05	7.41E-07
467	436778.55	3725878.39	1.34E-04	5.55E-06	2.78E-05	1.40E-06	1.43E-04	6.61E-06	1.70E-05	7.37E-07
468	436775.41	3725869.5	1.33E-04	5.52E-06	2.77E-05	1.39E-06	1.43E-04	6.57E-06	1.69E-05	7.33E-07
469	436772.27	3725860.6	1.32E-04	5.49E-06	2.76E-05	1.38E-06	1.42E-04	6.54E-06	1.68E-05	7.29E-07
470	436769.12	3725851.7	1.32E-04	5.46E-06	2.75E-05	1.37E-06	1.41E-04	6.50E-06	1.67E-05	7.24E-07
471	436765.98	3725842.81	1.31E-04	5.42E-06	2.73E-05	1.36E-06	1.41E-04	6.45E-06	1.66E-05	7.19E-07
472	436762.84	3725833.91	1.30E-04	5.38E-06	2.71E-05	1.35E-06	1.40E-04	6.41E-06	1.65E-05	7.14E-07
473	436759.7	3725825.01	1.30E-04	5.36E-06	2.70E-05	1.35E-06	1.39E-04	6.38E-06	1.65E-05	7.10E-07
474	436756.56	3725816.12	1.29E-04	5.34E-06	2.70E-05	1.34E-06	1.39E-04	6.35E-06	1.64E-05	7.07E-07
475	436753.41	3725807.22	1.29E-04	5.31E-06	2.69E-05	1.33E-06	1.38E-04	6.32E-06	1.63E-05	7.04E-07
476	436750.27	3725798.32	1.28E-04	5.29E-06	2.68E-05	1.33E-06	1.38E-04	6.30E-06	1.63E-05	7.01E-07
477	436747.13	3725789.43	1.28E-04	5.28E-06	2.67E-05	1.32E-06	1.38E-04	6.27E-06	1.63E-05	6.99E-07
478	436650.28	3724954.87	1.06E-04	3.94E-06	2.20E-05	9.63E-07	1.14E-04	4.56E-06	1.33E-05	5.03E-07
479	436654.34	3724946.36	1.07E-04	3.95E-06	2.21E-05	9.64E-07	1.14E-04	4.56E-06	1.33E-05	5.04E-07
480	436658.4	3724937.84	1.07E-04	3.95E-06	2.22E-05	9.64E-07	1.15E-04	4.56E-06	1.34E-05	5.03E-07
481	436662.46	3724929.32	1.07E-04	3.95E-06	2.23E-05	9.63E-07	1.15E-04	4.56E-06	1.35E-05	5.03E-07
482	436666.52	3724920.8	1.08E-04	3.95E-06	2.24E-05	9.63E-07	1.16E-04	4.56E-06	1.35E-05	5.03E-07
483	436670.58	3724912.29	1.08E-04	3.96E-06	2.25E-05	9.63E-07	1.16E-04	4.56E-06	1.36E-05	5.02E-07
484	436674.63	3724903.77	1.09E-04	3.96E-06	2.26E-05	9.62E-07	1.17E-04	4.55E-06	1.36E-05	5.01E-07
485	436678.69	3724895.25	1.09E-04	3.96E-06	2.27E-05	9.60E-07	1.17E-04	4.55E-06	1.37E-05	5.01E-07
486	436682.75	3724886.73	1.10E-04	3.95E-06	2.28E-05	9.58E-07	1.18E-04	4.54E-06	1.37E-05	4.99E-07
487	436686.81	3724878.22	1.10E-04	3.95E-06	2.28E-05	9.57E-07	1.18E-04	4.53E-06	1.38E-05	4.98E-07
488	436690.87	3724869.7	1.10E-04	3.94E-06	2.29E-05	9.54E-07	1.18E-04	4.51E-06	1.38E-05	4.96E-07
489	436694.93	3724861.18	1.11E-04	3.94E-06	2.30E-05	9.51E-07	1.19E-04	4.50E-06	1.38E-05	4.95E-07
490	436698.99	3724852.66	1.11E-04	3.93E-06	2.30E-05	9.50E-07	1.19E-04	4.50E-06	1.39E-05	4.94E-07
491	436703.05	3724844.15	1.12E-04	3.93E-06	2.31E-05	9.48E-07	1.20E-04	4.49E-06	1.39E-05	4.93E-07
492	436707.11	3724835.63	1.12E-04	3.93E-06	2.32E-05	9.46E-07	1.20E-04	4.48E-06	1.40E-05	4.91E-07
493	436711.16	3724827.11	1.13E-04	3.92E-06	2.33E-05	9.43E-07	1.21E-04	4.46E-06	1.40E-05	4.90E-07
494	436715.22	3724818.6	1.13E-04	3.91E-06	2.34E-05	9.40E-07	1.21E-04	4.45E-06	1.41E-05	4.88E-07
495	436719.28	3724810.08	1.13E-04	3.91E-06	2.35E-05	9.38E-07	1.22E-04	4.44E-06	1.41E-05	4.87E-07
496	436723.34	3724801.56	1.13E-04	3.89E-06	2.35E-05	9.32E-07	1.22E-04	4.41E-06	1.41E-05	4.83E-07
497	436727.4	3724793.04	1.13E-04	3.87E-06	2.35E-05	9.25E-07	1.22E-04	4.38E-06	1.41E-05	4.80E-07
498	436731.46	3724784.53	1.13E-04	3.84E-06	2.34E-05	9.18E-07	1.21E-04	4.35E-06	1.41E-05	4.76E-07
499	436735.52	3724776.01	1.13E-04	3.82E-06	2.34E-05	9.11E-07	1.21E-04	4.31E-06	1.41E-05	4.72E-07
500	436739.58	3724767.49	1.13E-04	3.79E-06	2.34E-05	9.04E-07	1.21E-04	4.28E-06	1.40E-05	4.68E-07
501	436743.63	3724758.97	1.13E-04	3.77E-06	2.33E-05	8.96E-07	1.21E-04	4.24E-06	1.40E-05	4.63E-07
502	436747.69	3724750.46	1.13E-04	3.74E-06	2.33E-05	8.88E-07	1.21E-04	4.20E-06	1.40E-05	4.59E-07
503	436751.75	3724741.94	1.12E-04	3.71E-06	2.32E-05	8.80E-07	1.20E-04	4.16E-06	1.40E-05	4.55E-07
504	436755.81	3724733.42	1.12E-04	3.68E-06	2.32E-05	8.72E-07	1.20E-04	4.12E-06	1.39E-05	4.50E-07
505	436759.87	3724724.9	1.12E-04	3.65E-06	2.31E-05	8.62E-07	1.20E-04	4.08E-06	1.39E-05	4.45E-07
506	436763.93	3724716.39	1.11E-04	3.62E-06	2.30E-05	8.53E-07	1.19E-04	4.04E-06	1.38E-05	4.40E-07
507	436767.99	3724707.87	1.11E-04	3.58E-06	2.29E-05	8.44E-07	1.19E-04	3.99E-06	1.37E-05	4.35E-07
508	436772.05	3724699.35	1.10E-04	3.55E-06	2.28E-05	8.35E-07	1.18E-04	3.95E-06	1.37E-05	4.30E-07
509	436776.11	3724690.84	1.10E-04	3.52E-06	2.27E-05	8.25E-07	1.18E-04	3.90E-06	1.36E-05	4.25E-07

510	436780.16	3724682.32	1.09E-04	3.48E-06	2.26E-05	8.16E-07	1.17E-04	3.86E-06	1.35E-05	4.20E-07
511	436784.22	3724673.8	1.09E-04	3.45E-06	2.25E-05	8.06E-07	1.17E-04	3.81E-06	1.35E-05	4.14E-07
512	436788.28	3724665.28	1.08E-04	3.41E-06	2.24E-05	7.97E-07	1.16E-04	3.77E-06	1.34E-05	4.09E-07
513	436792.34	3724656.77	1.08E-04	3.37E-06	2.23E-05	7.87E-07	1.16E-04	3.72E-06	1.33E-05	4.04E-07
514	436796.4	3724648.25	1.07E-04	3.34E-06	2.21E-05	7.77E-07	1.15E-04	3.67E-06	1.32E-05	3.98E-07
515	436800.46	3724639.73	1.06E-04	3.30E-06	2.20E-05	7.67E-07	1.14E-04	3.63E-06	1.32E-05	3.93E-07
516	436804.52	3724631.21	1.06E-04	3.26E-06	2.18E-05	7.56E-07	1.13E-04	3.58E-06	1.31E-05	3.87E-07
517	436808.58	3724622.7	1.05E-04	3.22E-06	2.17E-05	7.45E-07	1.13E-04	3.52E-06	1.30E-05	3.81E-07
518	436812.64	3724614.18	1.04E-04	3.18E-06	2.15E-05	7.35E-07	1.12E-04	3.47E-06	1.29E-05	3.76E-07
519	436816.69	3724605.66	1.03E-04	3.14E-06	2.13E-05	7.24E-07	1.11E-04	3.42E-06	1.28E-05	3.70E-07
520	436820.75	3724597.14	1.03E-04	3.10E-06	2.12E-05	7.13E-07	1.10E-04	3.37E-06	1.27E-05	3.64E-07
521	436824.81	3724588.63	1.02E-04	3.06E-06	2.10E-05	7.02E-07	1.09E-04	3.32E-06	1.25E-05	3.58E-07
522	436828.87	3724580.11	1.01E-04	3.01E-06	2.08E-05	6.91E-07	1.08E-04	3.27E-06	1.24E-05	3.52E-07
523	436832.93	3724571.59	1.00E-04	2.97E-06	2.06E-05	6.81E-07	1.07E-04	3.22E-06	1.23E-05	3.47E-07
524	436836.99	3724563.07	9.93E-05	2.94E-06	2.05E-05	6.71E-07	1.06E-04	3.17E-06	1.22E-05	3.41E-07
525	436841.05	3724554.56	9.83E-05	2.90E-06	2.03E-05	6.60E-07	1.05E-04	3.12E-06	1.21E-05	3.36E-07
526	436845.11	3724546.04	9.74E-05	2.86E-06	2.01E-05	6.51E-07	1.04E-04	3.08E-06	1.20E-05	3.31E-07
527	436849.16	3724537.52	9.59E-05	2.80E-06	1.98E-05	6.36E-07	1.03E-04	3.01E-06	1.18E-05	3.23E-07
528	436853.22	3724529.01	9.45E-05	2.75E-06	1.95E-05	6.23E-07	1.01E-04	2.94E-06	1.16E-05	3.16E-07
529	436857.28	3724520.49	9.32E-05	2.69E-06	1.92E-05	6.10E-07	9.99E-05	2.88E-06	1.14E-05	3.09E-07
530	436861.34	3724511.97	9.24E-05	2.66E-06	1.90E-05	6.01E-07	9.90E-05	2.84E-06	1.13E-05	3.04E-07
531	436791.12	3725913.98	1.36E-04	5.69E-06	2.84E-05	1.43E-06	1.46E-04	6.78E-06	1.73E-05	7.56E-07
532	436797.44	3725921.02	1.38E-04	5.77E-06	2.88E-05	1.45E-06	1.48E-04	6.88E-06	1.75E-05	7.67E-07
533	436803.76	3725928.06	1.39E-04	5.84E-06	2.91E-05	1.47E-06	1.50E-04	6.97E-06	1.77E-05	7.77E-07
534	437276.64	3725541.49	1.27E-03	9.24E-05	2.75E-04	2.56E-05	1.38E-03	1.22E-04	1.77E-04	1.40E-05
535	437288.46	3725554.53	1.37E-03	1.02E-04	2.97E-04	2.85E-05	1.48E-03	1.35E-04	1.92E-04	1.55E-05
536	437300.27	3725567.56	1.49E-03	1.14E-04	3.23E-04	3.19E-05	1.61E-03	1.51E-04	2.10E-04	1.74E-05
537	437242.6	3725548.61	9.35E-04	6.18E-05	2.01E-04	1.69E-05	1.01E-03	8.03E-05	1.28E-04	9.20E-06
538	437254.42	3725561.64	1.01E-03	6.86E-05	2.17E-04	1.89E-05	1.09E-03	8.96E-05	1.39E-04	1.03E-05
539	437244	3725594.82	8.68E-04	5.70E-05	1.86E-04	1.56E-05	9.37E-04	7.40E-05	1.19E-04	8.47E-06
540	437255.81	3725607.85	9.32E-04	6.26E-05	2.00E-04	1.72E-05	1.00E-03	8.15E-05	1.28E-04	9.34E-06
541	437198.15	3725588.9	6.42E-04	3.83E-05	1.37E-04	1.04E-05	6.91E-04	4.91E-05	8.63E-05	5.60E-06
542	437209.96	3725601.93	6.80E-04	4.15E-05	1.45E-04	1.12E-05	7.33E-04	5.33E-05	9.17E-05	6.09E-06
543	437221.77	3725614.97	7.21E-04	4.50E-05	1.54E-04	1.22E-05	7.78E-04	5.80E-05	9.77E-05	6.62E-06
544	437233.58	3725628	7.68E-04	4.89E-05	1.64E-04	1.33E-05	8.27E-04	6.31E-05	1.04E-04	7.22E-06
545	437175.92	3725609.05	5.42E-04	3.10E-05	1.15E-04	8.31E-06	5.83E-04	3.94E-05	7.23E-05	4.49E-06
546	437199.54	3725635.11	6.06E-04	3.60E-05	1.29E-04	9.71E-06	6.53E-04	4.61E-05	8.13E-05	5.25E-06
547	437153.69	3725629.2	4.64E-04	2.55E-05	9.83E-05	6.80E-06	4.99E-04	3.22E-05	6.15E-05	3.66E-06
548	437165.5	3725642.23	4.89E-04	2.74E-05	1.04E-04	7.32E-06	5.27E-04	3.47E-05	6.51E-05	3.95E-06
549	437131.46	3725649.34	4.07E-04	2.17E-05	8.61E-05	5.74E-06	4.38E-04	2.72E-05	5.37E-05	3.09E-06
550	437143.28	3725662.38	4.26E-04	2.30E-05	9.02E-05	6.12E-06	4.59E-04	2.90E-05	5.64E-05	3.29E-06
551	437155.09	3725675.41	4.47E-04	2.45E-05	9.47E-05	6.53E-06	4.81E-04	3.10E-05	5.92E-05	3.52E-06
552	437166.9	3725688.44	4.69E-04	2.61E-05	9.95E-05	6.97E-06	5.05E-04	3.31E-05	6.23E-05	3.76E-06
553	437079.6	3725696.35	3.07E-04	1.52E-05	6.46E-05	3.98E-06	3.30E-04	1.89E-05	4.00E-05	2.13E-06
554	437091.41	3725709.39	3.18E-04	1.60E-05	6.70E-05	4.19E-06	3.42E-04	1.99E-05	4.16E-05	2.24E-06
555	437103.22	3725722.42	3.30E-04	1.68E-05	6.97E-05	4.41E-06	3.55E-04	2.09E-05	4.32E-05	2.36E-06
556	437049.96	3725723.22	2.69E-04	1.29E-05	5.65E-05	3.36E-06	2.89E-04	1.59E-05	3.49E-05	1.80E-06
557	437032.13	3725763.11	2.47E-04	1.17E-05	5.19E-05	3.02E-06	2.66E-04	1.43E-05	3.20E-05	1.61E-06
558	436990.68	3725776.94	2.20E-04	1.01E-05	4.62E-05	2.61E-06	2.37E-04	1.24E-05	2.84E-05	1.39E-06
559	437002.5	3725789.98	2.25E-04	1.04E-05	4.72E-05	2.68E-06	2.42E-04	1.27E-05	2.90E-05	1.43E-06
560	437014.31	3725803.01	2.30E-04	1.07E-05	4.82E-05	2.76E-06	2.47E-04	1.31E-05	2.97E-05	1.47E-06
561	437026.12	3725816.04	2.35E-04	1.10E-05	4.94E-05	2.85E-06	2.53E-04	1.35E-05	3.04E-05	1.52E-06
562	436961.05	3725803.81	2.03E-04	9.19E-06	4.26E-05	2.36E-06	2.18E-04	1.12E-05	2.61E-05	1.25E-06
563	436972.86	3725816.84	2.07E-04	9.41E-06	4.34E-05	2.42E-06	2.23E-04	1.15E-05	2.67E-05	1.29E-06
564	436984.67	3725829.87	2.11E-04	9.64E-06	4.43E-05	2.48E-06	2.27E-04	1.17E-05	2.72E-05	1.32E-06
565	436996.48	3725842.9	2.16E-04	9.89E-06	4.52E-05	2.54E-06	2.32E-04	1.21E-05	2.78E-05	1.35E-06
566	436931.41	3725830.67	1.87E-04	8.28E-06	3.91E-05	2.11E-06	2.01E-04	1.00E-05	2.39E-05	1.12E-06

567	436943.22	3725843.7	1.91E-04	8.51E-06	3.99E-05	2.17E-06	2.05E-04	1.03E-05	2.45E-05	1.16E-06
568	436955.03	3725856.73	1.95E-04	8.76E-06	4.09E-05	2.24E-06	2.10E-04	1.06E-05	2.51E-05	1.19E-06
569	436966.85	3725869.77	2.00E-04	9.02E-06	4.19E-05	2.31E-06	2.15E-04	1.09E-05	2.57E-05	1.23E-06
570	436901.77	3725857.53	1.72E-04	7.51E-06	3.60E-05	1.91E-06	1.85E-04	9.06E-06	2.20E-05	1.01E-06
571	436913.58	3725870.57	1.77E-04	7.76E-06	3.70E-05	1.98E-06	1.90E-04	9.36E-06	2.26E-05	1.05E-06
572	436925.4	3725883.6	1.82E-04	8.03E-06	3.80E-05	2.05E-06	1.95E-04	9.70E-06	2.33E-05	1.09E-06
573	436937.21	3725896.63	1.87E-04	8.29E-06	3.91E-05	2.12E-06	2.01E-04	1.00E-05	2.39E-05	1.12E-06
574	436872.14	3725884.4	1.61E-04	6.92E-06	3.36E-05	1.75E-06	1.73E-04	8.31E-06	2.05E-05	9.28E-07
575	436883.95	3725897.43	1.65E-04	7.15E-06	3.45E-05	1.82E-06	1.77E-04	8.60E-06	2.11E-05	9.62E-07
576	436895.76	3725910.46	1.70E-04	7.40E-06	3.55E-05	1.88E-06	1.83E-04	8.91E-06	2.17E-05	9.96E-07
577	436907.57	3725923.49	1.75E-04	7.65E-06	3.65E-05	1.95E-06	1.88E-04	9.22E-06	2.23E-05	1.03E-06
578	436842.5	3725911.26	1.51E-04	6.40E-06	3.14E-05	1.62E-06	1.62E-04	7.67E-06	1.92E-05	8.56E-07
579	436854.31	3725924.29	1.55E-04	6.60E-06	3.23E-05	1.67E-06	1.66E-04	7.91E-06	1.97E-05	8.84E-07
580	436866.12	3725937.32	1.59E-04	6.83E-06	3.32E-05	1.73E-06	1.71E-04	8.19E-06	2.03E-05	9.15E-07
581	436877.94	3725950.36	1.63E-04	7.05E-06	3.41E-05	1.79E-06	1.75E-04	8.47E-06	2.08E-05	9.47E-07
582	436812.86	3725938.12	1.42E-04	5.97E-06	2.96E-05	1.50E-06	1.52E-04	7.13E-06	1.80E-05	7.95E-07
583	436824.67	3725951.15	1.46E-04	6.16E-06	3.04E-05	1.55E-06	1.57E-04	7.36E-06	1.85E-05	8.21E-07
584	436836.49	3725964.19	1.50E-04	6.36E-06	3.12E-05	1.61E-06	1.61E-04	7.60E-06	1.90E-05	8.49E-07
585	436848.3	3725977.22	1.54E-04	6.55E-06	3.21E-05	1.66E-06	1.65E-04	7.85E-06	1.96E-05	8.76E-07
586	436967.74	3725574.4	2.25E-04	1.02E-05	4.73E-05	2.64E-06	2.42E-04	1.25E-05	2.91E-05	1.40E-06
587	436930.83	3725589.82	1.98E-04	8.80E-06	4.16E-05	2.25E-06	2.13E-04	1.07E-05	2.55E-05	1.20E-06
588	436893.93	3725605.25	1.78E-04	7.75E-06	3.73E-05	1.97E-06	1.92E-04	9.35E-06	2.28E-05	1.05E-06
589	436857.02	3725620.68	1.61E-04	6.90E-06	3.37E-05	1.75E-06	1.73E-04	8.28E-06	2.06E-05	9.25E-07
590	436820.12	3725636.1	1.50E-04	6.32E-06	3.13E-05	1.60E-06	1.61E-04	7.57E-06	1.91E-05	8.45E-07
591	436730.34	3725021.93	1.23E-04	4.67E-06	2.56E-05	1.15E-06	1.32E-04	5.44E-06	1.55E-05	6.02E-07
592	436692.61	3725008.65	1.15E-04	4.36E-06	2.40E-05	1.07E-06	1.24E-04	5.07E-06	1.45E-05	5.61E-07
593	436654.87	3724995.37	1.07E-04	4.04E-06	2.22E-05	9.91E-07	1.15E-04	4.69E-06	1.34E-05	5.18E-07
594	437486.31	3725583.06	1.05E-02	1.09E-03	2.33E-03	3.11E-04	1.14E-02	1.48E-03	1.57E-03	1.72E-04
595	437493.69	3725589.34	1.02E-02	1.05E-03	2.27E-03	3.00E-04	1.11E-02	1.43E-03	1.53E-03	1.65E-04
596	437501.08	3725595.62	9.95E-03	1.01E-03	2.21E-03	2.89E-04	1.08E-02	1.37E-03	1.48E-03	1.59E-04
597	437508.47	3725601.9	9.70E-03	9.76E-04	2.15E-03	2.79E-04	1.05E-02	1.32E-03	1.44E-03	1.54E-04
598	437436.41	3725566.9	7.62E-03	7.87E-04	1.69E-03	2.25E-04	8.26E-03	1.07E-03	1.14E-03	1.24E-04
599	437443.8	3725573.18	7.63E-03	7.84E-04	1.70E-03	2.24E-04	8.28E-03	1.07E-03	1.14E-03	1.24E-04
600	437451.19	3725579.46	7.65E-03	7.81E-04	1.70E-03	2.24E-04	8.29E-03	1.06E-03	1.14E-03	1.23E-04
601	437458.58	3725585.74	7.64E-03	7.75E-04	1.70E-03	2.22E-04	8.28E-03	1.05E-03	1.14E-03	1.22E-04
602	437465.96	3725592.02	7.62E-03	7.68E-04	1.69E-03	2.20E-04	8.25E-03	1.04E-03	1.13E-03	1.21E-04
603	437473.35	3725598.3	7.54E-03	7.55E-04	1.67E-03	2.16E-04	8.17E-03	1.02E-03	1.12E-03	1.19E-04
604	437480.74	3725604.58	7.43E-03	7.37E-04	1.64E-03	2.10E-04	8.05E-03	9.99E-04	1.10E-03	1.16E-04
605	437488.13	3725610.86	7.32E-03	7.20E-04	1.62E-03	2.05E-04	7.93E-03	9.75E-04	1.08E-03	1.13E-04
606	437495.52	3725617.14	7.21E-03	7.04E-04	1.59E-03	2.00E-04	7.81E-03	9.52E-04	1.06E-03	1.10E-04
607	437396.27	3725555.39	5.20E-03	5.21E-04	1.15E-03	1.49E-04	5.64E-03	7.07E-04	7.74E-04	8.20E-05
608	437401.29	3725563.3	5.06E-03	5.03E-04	1.12E-03	1.44E-04	5.49E-03	6.82E-04	7.52E-04	7.91E-05
609	437408.68	3725569.58	5.14E-03	5.10E-04	1.14E-03	1.46E-04	5.57E-03	6.91E-04	7.63E-04	8.02E-05
610	437423.46	3725582.14	5.33E-03	5.26E-04	1.18E-03	1.50E-04	5.77E-03	7.13E-04	7.89E-04	8.26E-05
611	437430.84	3725588.42	5.39E-03	5.31E-04	1.19E-03	1.51E-04	5.84E-03	7.19E-04	7.98E-04	8.33E-05
612	437438.23	3725594.7	5.45E-03	5.34E-04	1.20E-03	1.52E-04	5.90E-03	7.23E-04	8.05E-04	8.38E-05
613	437445.62	3725600.98	5.48E-03	5.35E-04	1.21E-03	1.52E-04	5.94E-03	7.24E-04	8.09E-04	8.38E-05
614	437453.01	3725607.26	5.51E-03	5.34E-04	1.22E-03	1.52E-04	5.96E-03	7.22E-04	8.11E-04	8.37E-05
615	437460.4	3725613.54	5.52E-03	5.32E-04	1.22E-03	1.52E-04	5.98E-03	7.19E-04	8.12E-04	8.33E-05
616	437467.79	3725619.82	5.53E-03	5.30E-04	1.22E-03	1.51E-04	5.99E-03	7.16E-04	8.13E-04	8.29E-05
617	437475.18	3725626.1	5.51E-03	5.24E-04	1.21E-03	1.49E-04	5.97E-03	7.08E-04	8.08E-04	8.20E-05
618	437482.57	3725632.38	5.48E-03	5.17E-04	1.21E-03	1.47E-04	5.93E-03	6.97E-04	8.01E-04	8.07E-05
619	437376.87	3725578.29	3.20E-03	2.95E-04	7.04E-04	8.38E-05	3.47E-03	3.98E-04	4.67E-04	4.60E-05
620	437371.87	3725570.41	3.22E-03	2.98E-04	7.08E-04	8.45E-05	3.48E-03	4.01E-04	4.70E-04	4.64E-05
621	437366.88	3725562.54	3.22E-03	2.98E-04	7.08E-04	8.47E-05	3.48E-03	4.02E-04	4.70E-04	4.66E-05
622	437361.89	3725554.67	3.19E-03	2.96E-04	7.03E-04	8.41E-05	3.46E-03	3.99E-04	4.67E-04	4.62E-05
623	437381.86	3725586.16	3.18E-03	2.92E-04	6.99E-04	8.28E-05	3.44E-03	3.93E-04	4.63E-04	4.55E-05

624	437389.25	3725592.44	3.27E-03	3.01E-04	7.19E-04	8.53E-05	3.54E-03	4.05E-04	4.77E-04	4.69E-05
625	437396.64	3725598.72	3.33E-03	3.07E-04	7.33E-04	8.70E-05	3.61E-03	4.13E-04	4.86E-04	4.78E-05
626	437404.03	3725605	3.38E-03	3.11E-04	7.44E-04	8.81E-05	3.66E-03	4.18E-04	4.93E-04	4.84E-05
627	437455.75	3725648.96	3.75E-03	3.38E-04	8.23E-04	9.56E-05	4.06E-03	4.54E-04	5.43E-04	5.25E-05
628	437463.14	3725655.24	3.77E-03	3.37E-04	8.26E-04	9.54E-05	4.08E-03	4.53E-04	5.45E-04	5.24E-05
629	437357.46	3725601.18	2.25E-03	1.92E-04	4.91E-04	5.40E-05	2.43E-03	2.56E-04	3.22E-04	2.96E-05
630	437352.49	3725593.34	2.24E-03	1.92E-04	4.90E-04	5.40E-05	2.42E-03	2.56E-04	3.22E-04	2.96E-05
631	437362.43	3725609.02	2.24E-03	1.91E-04	4.89E-04	5.37E-05	2.42E-03	2.55E-04	3.21E-04	2.94E-05
632	437369.82	3725615.3	2.29E-03	1.96E-04	5.01E-04	5.51E-05	2.48E-03	2.62E-04	3.29E-04	3.02E-05
633	437377.21	3725621.58	2.33E-03	1.99E-04	5.09E-04	5.62E-05	2.52E-03	2.67E-04	3.34E-04	3.08E-05
634	437384.6	3725627.86	2.38E-03	2.04E-04	5.20E-04	5.75E-05	2.57E-03	2.73E-04	3.41E-04	3.15E-05
635	437391.99	3725634.14	2.44E-03	2.09E-04	5.33E-04	5.90E-05	2.64E-03	2.80E-04	3.50E-04	3.23E-05
636	437399.38	3725640.42	2.49E-03	2.13E-04	5.44E-04	6.01E-05	2.69E-03	2.86E-04	3.57E-04	3.30E-05
637	437421.54	3725659.26	2.63E-03	2.25E-04	5.75E-04	6.34E-05	2.85E-03	3.01E-04	3.77E-04	3.48E-05
638	437428.93	3725665.54	2.68E-03	2.29E-04	5.85E-04	6.45E-05	2.90E-03	3.06E-04	3.84E-04	3.53E-05
639	437436.32	3725671.82	2.72E-03	2.32E-04	5.93E-04	6.52E-05	2.94E-03	3.09E-04	3.89E-04	3.57E-05
640	437443.71	3725678.1	2.75E-03	2.33E-04	5.99E-04	6.56E-05	2.97E-03	3.11E-04	3.92E-04	3.59E-05
641	437296.53	3725558.6	1.47E-03	1.12E-04	3.18E-04	3.12E-05	1.59E-03	1.48E-04	2.06E-04	1.71E-05
642	437286.2	3725542.31	1.39E-03	1.03E-04	3.00E-04	2.87E-05	1.50E-03	1.36E-04	1.94E-04	1.57E-05
643	437343	3725631.88	1.71E-03	1.36E-04	3.72E-04	3.82E-05	1.85E-03	1.81E-04	2.42E-04	2.09E-05
644	437350.39	3725638.16	1.76E-03	1.41E-04	3.82E-04	3.94E-05	1.90E-03	1.87E-04	2.49E-04	2.15E-05
645	437357.78	3725644.44	1.80E-03	1.45E-04	3.91E-04	4.05E-05	1.94E-03	1.92E-04	2.54E-04	2.21E-05
646	437365.17	3725650.72	1.83E-03	1.48E-04	3.99E-04	4.14E-05	1.98E-03	1.96E-04	2.60E-04	2.26E-05
647	437372.56	3725657	1.86E-03	1.50E-04	4.05E-04	4.21E-05	2.01E-03	2.00E-04	2.64E-04	2.31E-05
648	437379.95	3725663.28	1.89E-03	1.53E-04	4.12E-04	4.28E-05	2.05E-03	2.03E-04	2.68E-04	2.34E-05
649	437387.34	3725669.56	1.93E-03	1.56E-04	4.20E-04	4.38E-05	2.09E-03	2.08E-04	2.74E-04	2.40E-05
650	437409.51	3725688.4	2.03E-03	1.64E-04	4.41E-04	4.60E-05	2.20E-03	2.18E-04	2.87E-04	2.51E-05
651	437416.9	3725694.68	2.07E-03	1.67E-04	4.49E-04	4.67E-05	2.23E-03	2.21E-04	2.92E-04	2.55E-05
652	437424.28	3725700.96	2.10E-03	1.69E-04	4.55E-04	4.72E-05	2.26E-03	2.24E-04	2.96E-04	2.58E-05
653	437303.04	3725622.36	1.31E-03	9.73E-05	2.83E-04	2.70E-05	1.42E-03	1.28E-04	1.83E-04	1.47E-05
654	437297.91	3725614.27	1.29E-03	9.49E-05	2.78E-04	2.63E-05	1.39E-03	1.25E-04	1.79E-04	1.44E-05
655	437292.78	3725606.17	1.26E-03	9.23E-05	2.72E-04	2.56E-05	1.36E-03	1.22E-04	1.75E-04	1.40E-05
656	437287.64	3725598.08	1.23E-03	8.95E-05	2.65E-04	2.48E-05	1.33E-03	1.18E-04	1.71E-04	1.35E-05
657	437267.11	3725565.7	1.11E-03	7.80E-05	2.39E-04	2.15E-05	1.20E-03	1.02E-04	1.54E-04	1.17E-05
658	437256.85	3725549.52	1.06E-03	7.27E-05	2.28E-04	2.00E-05	1.14E-03	9.50E-05	1.46E-04	1.09E-05
659	437251.71	3725541.42	1.03E-03	6.97E-05	2.21E-04	1.92E-05	1.11E-03	9.09E-05	1.42E-04	1.04E-05
660	437338.35	3725667.3	1.45E-03	1.11E-04	3.15E-04	3.07E-05	1.57E-03	1.46E-04	2.03E-04	1.68E-05
661	437345.74	3725673.58	1.49E-03	1.13E-04	3.21E-04	3.15E-05	1.60E-03	1.50E-04	2.08E-04	1.72E-05
662	437353.13	3725679.86	1.51E-03	1.16E-04	3.27E-04	3.22E-05	1.63E-03	1.53E-04	2.12E-04	1.76E-05
663	437360.52	3725686.14	1.54E-03	1.18E-04	3.32E-04	3.27E-05	1.66E-03	1.55E-04	2.15E-04	1.79E-05
664	437367.91	3725692.42	1.56E-03	1.20E-04	3.37E-04	3.33E-05	1.68E-03	1.58E-04	2.18E-04	1.82E-05
665	437375.3	3725698.7	1.58E-03	1.22E-04	3.43E-04	3.39E-05	1.71E-03	1.61E-04	2.22E-04	1.85E-05
666	437382.69	3725704.98	1.61E-03	1.24E-04	3.48E-04	3.44E-05	1.74E-03	1.63E-04	2.25E-04	1.88E-05
667	437283.72	3725645.39	1.06E-03	7.43E-05	2.28E-04	2.05E-05	1.15E-03	9.72E-05	1.46E-04	1.11E-05
668	437278.61	3725637.33	1.04E-03	7.25E-05	2.24E-04	2.00E-05	1.12E-03	9.48E-05	1.44E-04	1.09E-05
669	437273.51	3725629.28	1.02E-03	7.07E-05	2.20E-04	1.95E-05	1.10E-03	9.23E-05	1.41E-04	1.06E-05
670	437268.4	3725621.23	1.00E-03	6.87E-05	2.15E-04	1.89E-05	1.08E-03	8.97E-05	1.38E-04	1.03E-05
671	437263.29	3725613.18	9.77E-04	6.67E-05	2.10E-04	1.83E-05	1.05E-03	8.69E-05	1.34E-04	9.97E-06
672	437253.08	3725597.07	9.28E-04	6.22E-05	1.99E-04	1.71E-05	1.00E-03	8.09E-05	1.27E-04	9.27E-06
673	437232.65	3725564.86	8.34E-04	5.36E-05	1.79E-04	1.46E-05	9.00E-04	6.94E-05	1.14E-04	7.94E-06
674	437227.55	3725556.81	8.15E-04	5.18E-05	1.74E-04	1.41E-05	8.78E-04	6.69E-05	1.11E-04	7.66E-06
675	437222.44	3725548.75	7.95E-04	5.00E-05	1.70E-04	1.36E-05	8.57E-04	6.45E-05	1.08E-04	7.37E-06
676	437217.33	3725540.7	7.74E-04	4.81E-05	1.66E-04	1.31E-05	8.35E-04	6.20E-05	1.05E-04	7.08E-06
677	437333.7	3725702.72	1.25E-03	9.09E-05	2.70E-04	2.51E-05	1.35E-03	1.19E-04	1.73E-04	1.37E-05
678	437370.65	3725734.12	1.36E-03	9.97E-05	2.93E-04	2.76E-05	1.47E-03	1.31E-04	1.88E-04	1.50E-05
679	437378.04	3725740.4	1.38E-03	1.01E-04	2.97E-04	2.80E-05	1.49E-03	1.33E-04	1.91E-04	1.53E-05
680	437279.64	3725692.44	9.10E-04	6.10E-05	1.95E-04	1.67E-05	9.81E-04	7.92E-05	1.24E-04	9.08E-06

681	437274.55	3725684.42	8.97E-04	5.99E-05	1.92E-04	1.64E-05	9.67E-04	7.79E-05	1.23E-04	8.92E-06
682	437269.47	3725676.41	8.85E-04	5.89E-05	1.90E-04	1.61E-05	9.54E-04	7.65E-05	1.21E-04	8.76E-06
683	437249.13	3725644.34	8.27E-04	5.39E-05	1.77E-04	1.47E-05	8.91E-04	6.99E-05	1.13E-04	7.99E-06
684	437244.05	3725636.32	8.11E-04	5.26E-05	1.74E-04	1.43E-05	8.75E-04	6.81E-05	1.10E-04	7.79E-06
685	437223.71	3725604.25	7.41E-04	4.65E-05	1.58E-04	1.26E-05	7.99E-04	6.00E-05	1.01E-04	6.85E-06
686	437218.63	3725596.24	7.24E-04	4.50E-05	1.55E-04	1.22E-05	7.81E-04	5.80E-05	9.81E-05	6.62E-06
687	437213.54	3725588.22	7.08E-04	4.36E-05	1.51E-04	1.18E-05	7.63E-04	5.61E-05	9.57E-05	6.40E-06
688	437198.29	3725564.17	6.59E-04	3.94E-05	1.41E-04	1.06E-05	7.10E-04	5.05E-05	8.88E-05	5.76E-06
689	437193.21	3725556.15	6.42E-04	3.80E-05	1.37E-04	1.02E-05	6.92E-04	4.86E-05	8.64E-05	5.54E-06
690	437188.12	3725548.13	6.26E-04	3.66E-05	1.33E-04	9.85E-06	6.74E-04	4.67E-05	8.41E-05	5.33E-06
691	437284.72	3725700.46	9.22E-04	6.20E-05	1.98E-04	1.70E-05	9.94E-04	8.06E-05	1.26E-04	9.23E-06
692	437292.11	3725706.74	9.53E-04	6.46E-05	2.04E-04	1.77E-05	1.03E-03	8.40E-05	1.30E-04	9.63E-06
693	437299.5	3725713.02	9.83E-04	6.71E-05	2.11E-04	1.84E-05	1.06E-03	8.74E-05	1.35E-04	1.00E-05
694	437336.44	3725744.42	1.11E-03	7.73E-05	2.38E-04	2.13E-05	1.19E-03	1.01E-04	1.52E-04	1.16E-05
695	437343.83	3725750.7	1.12E-03	7.87E-05	2.41E-04	2.16E-05	1.21E-03	1.03E-04	1.54E-04	1.18E-05
696	437351.22	3725756.98	1.14E-03	8.00E-05	2.45E-04	2.20E-05	1.23E-03	1.04E-04	1.57E-04	1.20E-05
697	437358.61	3725763.26	1.16E-03	8.11E-05	2.48E-04	2.23E-05	1.25E-03	1.06E-04	1.59E-04	1.21E-05
698	437366	3725769.54	1.17E-03	8.21E-05	2.51E-04	2.26E-05	1.26E-03	1.07E-04	1.61E-04	1.23E-05
699	437260.23	3725715.33	7.60E-04	4.85E-05	1.62E-04	1.32E-05	8.19E-04	6.26E-05	1.03E-04	7.15E-06
700	437255.16	3725707.35	7.50E-04	4.77E-05	1.60E-04	1.30E-05	8.08E-04	6.15E-05	1.02E-04	7.03E-06
701	437250.1	3725699.36	7.40E-04	4.69E-05	1.58E-04	1.27E-05	7.97E-04	6.04E-05	1.00E-04	6.91E-06
702	437245.03	3725691.37	7.29E-04	4.60E-05	1.56E-04	1.25E-05	7.85E-04	5.93E-05	9.86E-05	6.77E-06
703	437239.97	3725683.39	7.17E-04	4.50E-05	1.53E-04	1.22E-05	7.73E-04	5.80E-05	9.70E-05	6.63E-06
704	437234.91	3725675.4	7.06E-04	4.41E-05	1.51E-04	1.20E-05	7.60E-04	5.68E-05	9.53E-05	6.48E-06
705	437229.84	3725667.42	6.93E-04	4.31E-05	1.48E-04	1.17E-05	7.47E-04	5.54E-05	9.36E-05	6.33E-06
706	437209.58	3725635.47	6.45E-04	3.90E-05	1.37E-04	1.06E-05	6.95E-04	5.01E-05	8.68E-05	5.72E-06
707	437204.52	3725627.49	6.32E-04	3.80E-05	1.35E-04	1.03E-05	6.81E-04	4.87E-05	8.51E-05	5.56E-06
708	437199.46	3725619.5	6.20E-04	3.70E-05	1.32E-04	9.98E-06	6.68E-04	4.74E-05	8.33E-05	5.40E-06
709	437194.39	3725611.52	6.07E-04	3.59E-05	1.29E-04	9.68E-06	6.54E-04	4.59E-05	8.15E-05	5.23E-06
710	437164.01	3725563.6	5.33E-04	2.99E-05	1.13E-04	7.99E-06	5.74E-04	3.79E-05	7.10E-05	4.31E-06
711	437158.94	3725555.62	5.20E-04	2.88E-05	1.10E-04	7.71E-06	5.60E-04	3.66E-05	6.92E-05	4.16E-06
712	437153.88	3725547.63	5.07E-04	2.79E-05	1.08E-04	7.44E-06	5.46E-04	3.53E-05	6.75E-05	4.01E-06
713	437265.29	3725723.32	7.69E-04	4.92E-05	1.64E-04	1.34E-05	8.29E-04	6.36E-05	1.04E-04	7.26E-06
714	437294.85	3725748.44	8.68E-04	5.71E-05	1.86E-04	1.56E-05	9.35E-04	7.40E-05	1.18E-04	8.46E-06
715	437324.4	3725773.56	9.42E-04	6.29E-05	2.02E-04	1.72E-05	1.01E-03	8.16E-05	1.28E-04	9.34E-06
716	437331.79	3725779.84	9.56E-04	6.40E-05	2.05E-04	1.75E-05	1.03E-03	8.31E-05	1.30E-04	9.51E-06
717	437339.18	3725786.12	9.70E-04	6.50E-05	2.08E-04	1.78E-05	1.05E-03	8.44E-05	1.32E-04	9.66E-06
718	437346.57	3725792.4	9.83E-04	6.60E-05	2.10E-04	1.80E-05	1.06E-03	8.56E-05	1.34E-04	9.80E-06
719	437225.68	3725714.34	6.21E-04	3.75E-05	1.32E-04	1.01E-05	6.69E-04	4.80E-05	8.33E-05	5.47E-06
720	437220.63	3725706.39	6.12E-04	3.68E-05	1.30E-04	9.93E-06	6.59E-04	4.71E-05	8.21E-05	5.37E-06
721	437215.58	3725698.43	6.03E-04	3.61E-05	1.28E-04	9.73E-06	6.49E-04	4.61E-05	8.08E-05	5.26E-06
722	437210.54	3725690.47	5.93E-04	3.53E-05	1.26E-04	9.52E-06	6.39E-04	4.52E-05	7.95E-05	5.15E-06
723	437205.49	3725682.51	5.84E-04	3.46E-05	1.24E-04	9.31E-06	6.29E-04	4.42E-05	7.82E-05	5.03E-06
724	437200.44	3725674.55	5.74E-04	3.38E-05	1.22E-04	9.10E-06	6.18E-04	4.31E-05	7.68E-05	4.92E-06
725	437175.21	3725634.76	5.21E-04	2.96E-05	1.11E-04	7.94E-06	5.61E-04	3.77E-05	6.94E-05	4.29E-06
726	437170.16	3725626.8	5.09E-04	2.87E-05	1.08E-04	7.69E-06	5.48E-04	3.64E-05	6.78E-05	4.15E-06
727	437165.12	3725618.85	5.00E-04	2.80E-05	1.06E-04	7.50E-06	5.38E-04	3.55E-05	6.66E-05	4.04E-06
728	437160.07	3725610.89	4.91E-04	2.73E-05	1.04E-04	7.30E-06	5.29E-04	3.46E-05	6.53E-05	3.94E-06
729	437155.02	3725602.93	4.82E-04	2.66E-05	1.02E-04	7.10E-06	5.19E-04	3.37E-05	6.41E-05	3.83E-06
730	437149.97	3725594.97	4.72E-04	2.59E-05	1.00E-04	6.89E-06	5.08E-04	3.27E-05	6.27E-05	3.71E-06
731	437134.83	3725571.1	4.47E-04	2.39E-05	9.46E-05	6.35E-06	4.81E-04	3.01E-05	5.91E-05	3.42E-06
732	437129.79	3725563.14	4.38E-04	2.32E-05	9.27E-05	6.17E-06	4.71E-04	2.92E-05	5.79E-05	3.32E-06
733	437124.74	3725555.18	4.28E-04	2.26E-05	9.07E-05	5.98E-06	4.61E-04	2.84E-05	5.66E-05	3.21E-06
734	437245.86	3725746.18	6.55E-04	4.01E-05	1.39E-04	1.08E-05	7.05E-04	5.14E-05	8.80E-05	5.86E-06
735	437253.25	3725752.46	6.72E-04	4.14E-05	1.43E-04	1.12E-05	7.24E-04	5.32E-05	9.04E-05	6.07E-06
736	437260.64	3725758.74	6.91E-04	4.28E-05	1.47E-04	1.16E-05	7.44E-04	5.50E-05	9.30E-05	6.28E-06
737	437268.03	3725765.02	7.10E-04	4.43E-05	1.51E-04	1.20E-05	7.65E-04	5.70E-05	9.57E-05	6.51E-06

738	437275.42	3725771.3	7.30E-04	4.58E-05	1.56E-04	1.24E-05	7.86E-04	5.90E-05	9.84E-05	6.73E-06
739	437282.81	3725777.58	7.48E-04	4.72E-05	1.60E-04	1.28E-05	8.06E-04	6.08E-05	1.01E-04	6.94E-06
740	437312.37	3725802.7	8.04E-04	5.15E-05	1.72E-04	1.40E-05	8.67E-04	6.64E-05	1.09E-04	7.59E-06
741	437319.75	3725808.98	8.18E-04	5.25E-05	1.75E-04	1.43E-05	8.82E-04	6.77E-05	1.11E-04	7.74E-06
742	437327.14	3725815.26	8.30E-04	5.33E-05	1.77E-04	1.45E-05	8.94E-04	6.88E-05	1.12E-04	7.86E-06
743	437221.26	3725760.88	5.60E-04	3.28E-05	1.19E-04	8.82E-06	6.03E-04	4.19E-05	7.47E-05	4.77E-06
744	437216.09	3725752.72	5.54E-04	3.24E-05	1.18E-04	8.69E-06	5.96E-04	4.12E-05	7.39E-05	4.69E-06
745	437210.91	3725744.56	5.47E-04	3.18E-05	1.16E-04	8.55E-06	5.88E-04	4.06E-05	7.29E-05	4.62E-06
746	437205.74	3725736.4	5.39E-04	3.13E-05	1.14E-04	8.39E-06	5.80E-04	3.98E-05	7.18E-05	4.53E-06
747	437169.51	3725679.27	4.81E-04	2.70E-05	1.02E-04	7.21E-06	5.18E-04	3.42E-05	6.39E-05	3.88E-06
748	437164.34	3725671.11	4.72E-04	2.63E-05	1.00E-04	7.02E-06	5.08E-04	3.33E-05	6.27E-05	3.78E-06
749	437159.16	3725662.95	4.63E-04	2.56E-05	9.82E-05	6.83E-06	4.99E-04	3.24E-05	6.15E-05	3.68E-06
750	437153.99	3725654.79	4.54E-04	2.50E-05	9.63E-05	6.65E-06	4.89E-04	3.15E-05	6.02E-05	3.58E-06
751	437148.81	3725646.63	4.45E-04	2.43E-05	9.43E-05	6.46E-06	4.79E-04	3.07E-05	5.90E-05	3.48E-06
752	437143.64	3725638.47	4.36E-04	2.36E-05	9.24E-05	6.28E-06	4.70E-04	2.98E-05	5.78E-05	3.38E-06
753	437138.46	3725630.31	4.28E-04	2.30E-05	9.06E-05	6.11E-06	4.61E-04	2.90E-05	5.66E-05	3.29E-06
754	437133.29	3725622.15	4.20E-04	2.24E-05	8.89E-05	5.95E-06	4.52E-04	2.82E-05	5.55E-05	3.20E-06
755	437102.24	3725573.19	3.77E-04	1.93E-05	7.96E-05	5.09E-06	4.06E-04	2.41E-05	4.96E-05	2.73E-06
756	437307.72	3725838.12	7.07E-04	4.36E-05	1.51E-04	1.18E-05	7.62E-04	5.59E-05	9.49E-05	6.38E-06
757	437176.09	3725743.14	4.59E-04	2.55E-05	9.72E-05	6.80E-06	4.94E-04	3.22E-05	6.08E-05	3.66E-06
758	437170.94	3725735.02	4.52E-04	2.50E-05	9.57E-05	6.66E-06	4.86E-04	3.16E-05	5.98E-05	3.58E-06
759	437165.78	3725726.89	4.44E-04	2.45E-05	9.41E-05	6.51E-06	4.78E-04	3.09E-05	5.88E-05	3.50E-06
760	437160.63	3725718.77	4.37E-04	2.39E-05	9.25E-05	6.36E-06	4.70E-04	3.02E-05	5.78E-05	3.43E-06
761	437140.02	3725686.26	4.08E-04	2.19E-05	8.64E-05	5.81E-06	4.40E-04	2.75E-05	5.39E-05	3.12E-06
762	437134.87	3725678.14	4.02E-04	2.14E-05	8.50E-05	5.68E-06	4.32E-04	2.69E-05	5.30E-05	3.05E-06
763	437129.71	3725670.01	3.95E-04	2.10E-05	8.36E-05	5.55E-06	4.25E-04	2.63E-05	5.21E-05	2.98E-06
764	437098.8	3725621.26	3.58E-04	1.83E-05	7.56E-05	4.82E-06	3.85E-04	2.28E-05	4.70E-05	2.58E-06
765	437093.64	3725613.14	3.52E-04	1.79E-05	7.44E-05	4.70E-06	3.79E-04	2.23E-05	4.62E-05	2.52E-06
766	437088.49	3725605.01	3.46E-04	1.75E-05	7.31E-05	4.59E-06	3.73E-04	2.18E-05	4.54E-05	2.46E-06
767	437083.34	3725596.89	3.41E-04	1.71E-05	7.19E-05	4.48E-06	3.66E-04	2.13E-05	4.46E-05	2.40E-06
768	437176.02	3725814.36	4.15E-04	2.25E-05	8.78E-05	5.96E-06	4.47E-04	2.83E-05	5.47E-05	3.20E-06
769	437170.93	3725806.34	4.11E-04	2.22E-05	8.69E-05	5.88E-06	4.42E-04	2.79E-05	5.41E-05	3.16E-06
770	437165.85	3725798.32	4.07E-04	2.19E-05	8.60E-05	5.80E-06	4.38E-04	2.75E-05	5.35E-05	3.12E-06
771	437160.77	3725790.31	4.02E-04	2.16E-05	8.50E-05	5.71E-06	4.33E-04	2.71E-05	5.29E-05	3.07E-06
772	437155.68	3725782.29	3.97E-04	2.12E-05	8.39E-05	5.62E-06	4.27E-04	2.67E-05	5.22E-05	3.02E-06
773	437125.18	3725734.19	3.62E-04	1.88E-05	7.64E-05	4.97E-06	3.89E-04	2.36E-05	4.75E-05	2.67E-06
774	437120.09	3725726.17	3.56E-04	1.84E-05	7.51E-05	4.86E-06	3.83E-04	2.30E-05	4.67E-05	2.61E-06
775	437115.01	3725718.15	3.50E-04	1.80E-05	7.38E-05	4.75E-06	3.76E-04	2.25E-05	4.59E-05	2.55E-06
776	437109.92	3725710.14	3.45E-04	1.77E-05	7.27E-05	4.66E-06	3.71E-04	2.21E-05	4.52E-05	2.50E-06
777	437104.84	3725702.12	3.40E-04	1.74E-05	7.17E-05	4.57E-06	3.66E-04	2.17E-05	4.45E-05	2.45E-06
778	437099.76	3725694.1	3.35E-04	1.71E-05	7.08E-05	4.48E-06	3.61E-04	2.13E-05	4.39E-05	2.40E-06
779	437094.67	3725686.08	3.31E-04	1.67E-05	6.98E-05	4.40E-06	3.56E-04	2.08E-05	4.33E-05	2.36E-06
780	437089.59	3725678.07	3.26E-04	1.64E-05	6.88E-05	4.31E-06	3.51E-04	2.04E-05	4.27E-05	2.31E-06
781	437084.5	3725670.05	3.22E-04	1.61E-05	6.79E-05	4.23E-06	3.46E-04	2.01E-05	4.21E-05	2.27E-06
782	437079.42	3725662.03	3.18E-04	1.59E-05	6.70E-05	4.15E-06	3.42E-04	1.97E-05	4.15E-05	2.23E-06
783	437059.08	3725629.96	3.02E-04	1.48E-05	6.36E-05	3.86E-06	3.25E-04	1.83E-05	3.94E-05	2.07E-06
784	437054	3725621.95	2.98E-04	1.45E-05	6.28E-05	3.79E-06	3.20E-04	1.80E-05	3.88E-05	2.03E-06
785	437048.92	3725613.93	2.94E-04	1.42E-05	6.19E-05	3.71E-06	3.16E-04	1.76E-05	3.83E-05	1.99E-06
786	437181.1	3725822.37	4.19E-04	2.27E-05	8.87E-05	6.03E-06	4.51E-04	2.86E-05	5.53E-05	3.24E-06
787	437188.49	3725828.65	4.29E-04	2.34E-05	9.06E-05	6.20E-06	4.61E-04	2.94E-05	5.65E-05	3.33E-06
788	437195.88	3725834.93	4.37E-04	2.40E-05	9.25E-05	6.36E-06	4.71E-04	3.02E-05	5.77E-05	3.42E-06
789	437203.27	3725841.21	4.47E-04	2.46E-05	9.45E-05	6.53E-06	4.81E-04	3.10E-05	5.89E-05	3.52E-06
790	437210.66	3725847.49	4.56E-04	2.52E-05	9.64E-05	6.70E-06	4.90E-04	3.18E-05	6.02E-05	3.61E-06
791	437218.05	3725853.77	4.64E-04	2.58E-05	9.83E-05	6.86E-06	5.00E-04	3.25E-05	6.13E-05	3.69E-06
792	437225.44	3725860.05	4.73E-04	2.63E-05	1.00E-04	7.01E-06	5.08E-04	3.33E-05	6.24E-05	3.78E-06
793	437232.83	3725866.33	4.80E-04	2.69E-05	1.02E-04	7.16E-06	5.17E-04	3.39E-05	6.35E-05	3.85E-06
794	437240.22	3725872.61	4.88E-04	2.74E-05	1.03E-04	7.29E-06	5.25E-04	3.46E-05	6.45E-05	3.93E-06

795	437247.6	3725878.89	4.95E-04	2.79E-05	1.05E-04	7.43E-06	5.33E-04	3.52E-05	6.55E-05	4.00E-06
796	437254.99	3725885.17	5.02E-04	2.83E-05	1.06E-04	7.56E-06	5.41E-04	3.59E-05	6.64E-05	4.07E-06
797	437262.38	3725891.45	5.09E-04	2.88E-05	1.08E-04	7.69E-06	5.48E-04	3.65E-05	6.74E-05	4.14E-06
798	437150.05	3725844.74	3.58E-04	1.86E-05	7.56E-05	4.91E-06	3.85E-04	2.33E-05	4.69E-05	2.63E-06
799	437144.91	3725836.63	3.55E-04	1.84E-05	7.49E-05	4.85E-06	3.82E-04	2.30E-05	4.65E-05	2.60E-06
800	437119.19	3725796.07	3.34E-04	1.71E-05	7.04E-05	4.48E-06	3.59E-04	2.13E-05	4.36E-05	2.40E-06
801	437114.04	3725787.95	3.29E-04	1.67E-05	6.93E-05	4.39E-06	3.54E-04	2.08E-05	4.30E-05	2.35E-06
802	437108.9	3725779.84	3.24E-04	1.64E-05	6.82E-05	4.31E-06	3.48E-04	2.04E-05	4.23E-05	2.31E-06
803	437103.75	3725771.73	3.18E-04	1.61E-05	6.71E-05	4.21E-06	3.42E-04	2.00E-05	4.16E-05	2.26E-06
804	437072.88	3725723.05	2.91E-04	1.43E-05	6.14E-05	3.74E-06	3.13E-04	1.77E-05	3.80E-05	2.00E-06
805	437052.31	3725690.6	2.79E-04	1.35E-05	5.87E-05	3.52E-06	3.00E-04	1.67E-05	3.63E-05	1.88E-06
806	437047.16	3725682.49	2.76E-04	1.33E-05	5.81E-05	3.47E-06	2.97E-04	1.64E-05	3.59E-05	1.85E-06
807	437042.02	3725674.38	2.73E-04	1.31E-05	5.75E-05	3.41E-06	2.94E-04	1.62E-05	3.55E-05	1.82E-06
808	437036.87	3725666.27	2.70E-04	1.29E-05	5.68E-05	3.36E-06	2.90E-04	1.59E-05	3.51E-05	1.80E-06
809	437031.73	3725658.15	2.67E-04	1.27E-05	5.62E-05	3.31E-06	2.87E-04	1.57E-05	3.47E-05	1.77E-06
810	437026.58	3725650.04	2.64E-04	1.25E-05	5.54E-05	3.25E-06	2.83E-04	1.54E-05	3.42E-05	1.73E-06
811	437155.2	3725852.85	3.62E-04	1.89E-05	7.63E-05	4.96E-06	3.89E-04	2.35E-05	4.73E-05	2.66E-06
812	437162.59	3725859.13	3.69E-04	1.93E-05	7.78E-05	5.09E-06	3.97E-04	2.41E-05	4.83E-05	2.73E-06
813	437169.98	3725865.41	3.76E-04	1.98E-05	7.93E-05	5.22E-06	4.04E-04	2.47E-05	4.93E-05	2.80E-06
814	437177.37	3725871.69	3.83E-04	2.03E-05	8.09E-05	5.34E-06	4.12E-04	2.53E-05	5.02E-05	2.87E-06
815	437184.76	3725877.97	3.90E-04	2.07E-05	8.24E-05	5.47E-06	4.20E-04	2.59E-05	5.12E-05	2.94E-06
816	437192.14	3725884.25	3.97E-04	2.12E-05	8.38E-05	5.59E-06	4.27E-04	2.65E-05	5.21E-05	3.00E-06
817	437199.53	3725890.53	4.04E-04	2.16E-05	8.52E-05	5.71E-06	4.34E-04	2.71E-05	5.30E-05	3.07E-06
818	437206.92	3725896.81	4.10E-04	2.20E-05	8.65E-05	5.81E-06	4.41E-04	2.76E-05	5.38E-05	3.12E-06
819	437214.31	3725903.09	4.16E-04	2.24E-05	8.78E-05	5.92E-06	4.47E-04	2.81E-05	5.46E-05	3.18E-06
820	437221.7	3725909.37	4.22E-04	2.28E-05	8.91E-05	6.02E-06	4.54E-04	2.86E-05	5.54E-05	3.24E-06
821	437229.09	3725915.65	4.28E-04	2.31E-05	9.03E-05	6.13E-06	4.60E-04	2.90E-05	5.62E-05	3.29E-06
822	437236.48	3725921.93	4.34E-04	2.35E-05	9.16E-05	6.23E-06	4.67E-04	2.96E-05	5.70E-05	3.35E-06
823	437124.21	3725875.32	3.13E-04	1.57E-05	6.59E-05	4.11E-06	3.37E-04	1.95E-05	4.07E-05	2.20E-06
824	437119.13	3725867.3	3.10E-04	1.56E-05	6.53E-05	4.07E-06	3.34E-04	1.93E-05	4.04E-05	2.18E-06
825	437114.04	3725859.28	3.08E-04	1.54E-05	6.48E-05	4.03E-06	3.31E-04	1.91E-05	4.01E-05	2.15E-06
826	437108.96	3725851.26	3.05E-04	1.52E-05	6.42E-05	3.98E-06	3.28E-04	1.89E-05	3.97E-05	2.13E-06
827	437103.87	3725843.25	3.01E-04	1.50E-05	6.34E-05	3.92E-06	3.24E-04	1.86E-05	3.92E-05	2.10E-06
828	437098.79	3725835.23	2.98E-04	1.48E-05	6.26E-05	3.86E-06	3.20E-04	1.83E-05	3.87E-05	2.06E-06
829	437093.71	3725827.21	2.93E-04	1.45E-05	6.17E-05	3.79E-06	3.15E-04	1.79E-05	3.81E-05	2.03E-06
830	437088.62	3725819.2	2.89E-04	1.43E-05	6.08E-05	3.72E-06	3.11E-04	1.76E-05	3.76E-05	1.99E-06
831	437027.61	3725722.99	2.52E-04	1.19E-05	5.29E-05	3.09E-06	2.71E-04	1.47E-05	3.26E-05	1.65E-06
832	437022.53	3725714.97	2.50E-04	1.18E-05	5.25E-05	3.05E-06	2.68E-04	1.45E-05	3.23E-05	1.63E-06
833	437017.44	3725706.96	2.47E-04	1.16E-05	5.19E-05	3.01E-06	2.66E-04	1.43E-05	3.20E-05	1.60E-06
834	437012.36	3725698.94	2.44E-04	1.15E-05	5.13E-05	2.96E-06	2.63E-04	1.41E-05	3.16E-05	1.58E-06
835	437007.28	3725690.92	2.42E-04	1.13E-05	5.08E-05	2.92E-06	2.60E-04	1.38E-05	3.13E-05	1.56E-06
836	437002.19	3725682.91	2.39E-04	1.11E-05	5.03E-05	2.88E-06	2.57E-04	1.36E-05	3.10E-05	1.53E-06
837	436997.11	3725674.89	2.37E-04	1.10E-05	4.97E-05	2.84E-06	2.55E-04	1.35E-05	3.06E-05	1.51E-06
838	436992.02	3725666.87	2.34E-04	1.08E-05	4.92E-05	2.80E-06	2.52E-04	1.33E-05	3.03E-05	1.49E-06
839	436986.94	3725658.85	2.32E-04	1.07E-05	4.86E-05	2.75E-06	2.49E-04	1.30E-05	2.99E-05	1.47E-06
840	436981.85	3725650.84	2.29E-04	1.05E-05	4.81E-05	2.71E-06	2.46E-04	1.29E-05	2.96E-05	1.44E-06
841	436936.1	3725578.68	2.03E-04	9.03E-06	4.25E-05	2.31E-06	2.18E-04	1.10E-05	2.61E-05	1.23E-06
842	436931.01	3725570.67	2.00E-04	8.89E-06	4.20E-05	2.27E-06	2.15E-04	1.08E-05	2.58E-05	1.21E-06
843	437129.29	3725883.33	3.16E-04	1.59E-05	6.64E-05	4.15E-06	3.39E-04	1.97E-05	4.11E-05	2.22E-06
844	437136.68	3725889.61	3.22E-04	1.62E-05	6.77E-05	4.25E-06	3.46E-04	2.02E-05	4.19E-05	2.28E-06
845	437144.07	3725895.89	3.27E-04	1.66E-05	6.89E-05	4.35E-06	3.52E-04	2.06E-05	4.27E-05	2.33E-06
846	437151.46	3725902.17	3.33E-04	1.70E-05	7.02E-05	4.45E-06	3.58E-04	2.11E-05	4.35E-05	2.39E-06
847	437158.85	3725908.45	3.39E-04	1.74E-05	7.14E-05	4.55E-06	3.65E-04	2.16E-05	4.42E-05	2.44E-06
848	437166.24	3725914.73	3.45E-04	1.77E-05	7.27E-05	4.65E-06	3.71E-04	2.20E-05	4.50E-05	2.49E-06
849	437173.63	3725921.01	3.50E-04	1.81E-05	7.38E-05	4.74E-06	3.77E-04	2.25E-05	4.57E-05	2.54E-06
850	437181.02	3725927.29	3.56E-04	1.84E-05	7.49E-05	4.83E-06	3.82E-04	2.29E-05	4.64E-05	2.59E-06
851	437188.41	3725933.57	3.60E-04	1.87E-05	7.59E-05	4.91E-06	3.88E-04	2.33E-05	4.71E-05	2.63E-06

852	437195.8	3725939.85	3.65E-04	1.90E-05	7.70E-05	4.99E-06	3.93E-04	2.37E-05	4.77E-05	2.68E-06
853	437203.19	3725946.13	3.70E-04	1.93E-05	7.80E-05	5.08E-06	3.98E-04	2.41E-05	4.84E-05	2.72E-06
854	437210.57	3725952.41	3.75E-04	1.96E-05	7.91E-05	5.16E-06	4.04E-04	2.45E-05	4.91E-05	2.77E-06
855	437098.25	3725905.71	2.76E-04	1.35E-05	5.81E-05	3.50E-06	2.97E-04	1.66E-05	3.58E-05	1.87E-06
856	437093.11	3725897.61	2.74E-04	1.33E-05	5.76E-05	3.46E-06	2.94E-04	1.64E-05	3.55E-05	1.85E-06
857	437087.98	3725889.5	2.71E-04	1.32E-05	5.70E-05	3.42E-06	2.92E-04	1.62E-05	3.52E-05	1.83E-06
858	437082.84	3725881.4	2.69E-04	1.30E-05	5.64E-05	3.37E-06	2.89E-04	1.60E-05	3.48E-05	1.80E-06
859	437077.7	3725873.3	2.66E-04	1.28E-05	5.59E-05	3.33E-06	2.86E-04	1.58E-05	3.44E-05	1.78E-06
860	437072.56	3725865.2	2.63E-04	1.27E-05	5.53E-05	3.29E-06	2.83E-04	1.56E-05	3.41E-05	1.76E-06
861	437067.42	3725857.1	2.61E-04	1.25E-05	5.48E-05	3.25E-06	2.80E-04	1.54E-05	3.38E-05	1.73E-06
862	437062.28	3725848.99	2.58E-04	1.24E-05	5.42E-05	3.21E-06	2.77E-04	1.52E-05	3.34E-05	1.71E-06
863	437057.15	3725840.89	2.55E-04	1.22E-05	5.36E-05	3.16E-06	2.74E-04	1.50E-05	3.30E-05	1.69E-06
864	437052.01	3725832.79	2.52E-04	1.20E-05	5.30E-05	3.12E-06	2.71E-04	1.48E-05	3.27E-05	1.66E-06
865	437046.87	3725824.69	2.49E-04	1.18E-05	5.24E-05	3.07E-06	2.68E-04	1.45E-05	3.23E-05	1.64E-06
866	437041.73	3725816.58	2.47E-04	1.17E-05	5.18E-05	3.02E-06	2.65E-04	1.43E-05	3.19E-05	1.61E-06
867	437036.59	3725808.48	2.44E-04	1.15E-05	5.12E-05	2.98E-06	2.62E-04	1.41E-05	3.15E-05	1.59E-06
868	437031.46	3725800.38	2.41E-04	1.13E-05	5.06E-05	2.93E-06	2.59E-04	1.39E-05	3.12E-05	1.56E-06
869	437026.32	3725792.28	2.39E-04	1.12E-05	5.01E-05	2.89E-06	2.56E-04	1.37E-05	3.08E-05	1.54E-06
870	437021.18	3725784.17	2.36E-04	1.10E-05	4.95E-05	2.85E-06	2.54E-04	1.35E-05	3.05E-05	1.52E-06
871	437016.04	3725776.07	2.34E-04	1.09E-05	4.91E-05	2.82E-06	2.51E-04	1.34E-05	3.02E-05	1.50E-06
872	437010.9	3725767.97	2.33E-04	1.08E-05	4.88E-05	2.80E-06	2.50E-04	1.33E-05	3.00E-05	1.49E-06
873	437005.76	3725759.87	2.31E-04	1.07E-05	4.85E-05	2.77E-06	2.48E-04	1.31E-05	2.98E-05	1.48E-06
874	436974.93	3725711.25	2.19E-04	1.00E-05	4.60E-05	2.58E-06	2.36E-04	1.22E-05	2.83E-05	1.37E-06
875	436969.8	3725703.15	2.17E-04	9.90E-06	4.55E-05	2.54E-06	2.33E-04	1.21E-05	2.80E-05	1.35E-06
876	436964.66	3725695.05	2.15E-04	9.77E-06	4.51E-05	2.51E-06	2.31E-04	1.19E-05	2.77E-05	1.34E-06
877	436959.52	3725686.94	2.13E-04	9.64E-06	4.46E-05	2.48E-06	2.29E-04	1.17E-05	2.74E-05	1.32E-06
878	436954.38	3725678.84	2.11E-04	9.53E-06	4.42E-05	2.45E-06	2.27E-04	1.16E-05	2.71E-05	1.30E-06
879	436903	3725597.82	1.83E-04	7.99E-06	3.83E-05	2.04E-06	1.97E-04	9.65E-06	2.35E-05	1.08E-06
880	436897.86	3725589.72	1.81E-04	7.86E-06	3.78E-05	2.00E-06	1.94E-04	9.49E-06	2.32E-05	1.06E-06
881	436892.72	3725581.61	1.78E-04	7.74E-06	3.73E-05	1.97E-06	1.91E-04	9.33E-06	2.28E-05	1.04E-06
882	436887.58	3725573.51	1.76E-04	7.61E-06	3.68E-05	1.94E-06	1.89E-04	9.18E-06	2.25E-05	1.03E-06
883	437103.39	3725913.81	2.79E-04	1.36E-05	5.86E-05	3.53E-06	3.00E-04	1.68E-05	3.61E-05	1.89E-06
884	437110.78	3725920.09	2.84E-04	1.39E-05	5.96E-05	3.61E-06	3.05E-04	1.71E-05	3.68E-05	1.93E-06
885	437118.17	3725926.37	2.89E-04	1.42E-05	6.07E-05	3.69E-06	3.10E-04	1.75E-05	3.74E-05	1.97E-06
886	437125.56	3725932.65	2.94E-04	1.45E-05	6.17E-05	3.77E-06	3.16E-04	1.79E-05	3.81E-05	2.02E-06
887	437132.95	3725938.93	2.98E-04	1.48E-05	6.27E-05	3.85E-06	3.21E-04	1.82E-05	3.87E-05	2.06E-06
888	437140.34	3725945.21	3.03E-04	1.50E-05	6.36E-05	3.92E-06	3.25E-04	1.86E-05	3.93E-05	2.10E-06
889	437147.72	3725951.49	3.07E-04	1.53E-05	6.45E-05	3.99E-06	3.30E-04	1.89E-05	3.98E-05	2.13E-06
890	437155.11	3725957.77	3.11E-04	1.55E-05	6.54E-05	4.05E-06	3.34E-04	1.92E-05	4.04E-05	2.17E-06
891	437162.5	3725964.05	3.15E-04	1.58E-05	6.62E-05	4.12E-06	3.39E-04	1.95E-05	4.09E-05	2.20E-06
892	437169.89	3725970.33	3.19E-04	1.60E-05	6.71E-05	4.18E-06	3.43E-04	1.98E-05	4.14E-05	2.24E-06
893	437177.28	3725976.61	3.23E-04	1.62E-05	6.79E-05	4.24E-06	3.47E-04	2.01E-05	4.19E-05	2.27E-06
894	437184.67	3725982.89	3.26E-04	1.64E-05	6.86E-05	4.30E-06	3.51E-04	2.04E-05	4.24E-05	2.30E-06
895	437072.3	3725936.11	2.50E-04	1.19E-05	5.25E-05	3.07E-06	2.69E-04	1.45E-05	3.23E-05	1.64E-06
896	437067.11	3725927.93	2.48E-04	1.17E-05	5.20E-05	3.03E-06	2.66E-04	1.44E-05	3.20E-05	1.62E-06
897	437061.92	3725919.75	2.46E-04	1.16E-05	5.16E-05	3.00E-06	2.64E-04	1.42E-05	3.17E-05	1.60E-06
898	437056.73	3725911.57	2.44E-04	1.15E-05	5.11E-05	2.97E-06	2.62E-04	1.41E-05	3.14E-05	1.58E-06
899	437051.55	3725903.39	2.41E-04	1.14E-05	5.06E-05	2.94E-06	2.59E-04	1.39E-05	3.11E-05	1.57E-06
900	437046.36	3725895.21	2.39E-04	1.12E-05	5.01E-05	2.90E-06	2.57E-04	1.37E-05	3.08E-05	1.55E-06
901	437041.17	3725887.03	2.37E-04	1.11E-05	4.97E-05	2.87E-06	2.55E-04	1.36E-05	3.06E-05	1.53E-06
902	437035.98	3725878.85	2.35E-04	1.10E-05	4.92E-05	2.83E-06	2.52E-04	1.34E-05	3.03E-05	1.51E-06
903	437030.79	3725870.66	2.32E-04	1.08E-05	4.87E-05	2.80E-06	2.50E-04	1.33E-05	3.00E-05	1.49E-06
904	437025.61	3725862.48	2.30E-04	1.07E-05	4.82E-05	2.76E-06	2.47E-04	1.31E-05	2.96E-05	1.47E-06
905	437020.42	3725854.3	2.27E-04	1.06E-05	4.77E-05	2.72E-06	2.44E-04	1.29E-05	2.93E-05	1.45E-06
906	437015.23	3725846.12	2.25E-04	1.04E-05	4.72E-05	2.69E-06	2.42E-04	1.27E-05	2.90E-05	1.43E-06
907	437010.04	3725837.94	2.23E-04	1.03E-05	4.68E-05	2.66E-06	2.40E-04	1.26E-05	2.87E-05	1.41E-06
908	437004.86	3725829.76	2.21E-04	1.02E-05	4.64E-05	2.63E-06	2.38E-04	1.25E-05	2.85E-05	1.40E-06

909	436999.67	3725821.58	2.20E-04	1.01E-05	4.61E-05	2.61E-06	2.36E-04	1.23E-05	2.83E-05	1.39E-06
910	436994.48	3725813.4	2.18E-04	1.00E-05	4.58E-05	2.58E-06	2.35E-04	1.22E-05	2.81E-05	1.38E-06
911	436989.29	3725805.22	2.17E-04	9.96E-06	4.55E-05	2.56E-06	2.33E-04	1.21E-05	2.80E-05	1.36E-06
912	436984.1	3725797.04	2.15E-04	9.85E-06	4.51E-05	2.53E-06	2.31E-04	1.20E-05	2.77E-05	1.35E-06
913	436978.92	3725788.86	2.13E-04	9.73E-06	4.47E-05	2.50E-06	2.29E-04	1.18E-05	2.74E-05	1.33E-06
914	436973.73	3725780.68	2.11E-04	9.60E-06	4.42E-05	2.47E-06	2.27E-04	1.17E-05	2.72E-05	1.31E-06
915	436968.54	3725772.5	2.09E-04	9.49E-06	4.38E-05	2.44E-06	2.25E-04	1.15E-05	2.69E-05	1.30E-06
916	436963.35	3725764.32	2.07E-04	9.39E-06	4.34E-05	2.41E-06	2.23E-04	1.14E-05	2.67E-05	1.28E-06
917	436958.16	3725756.13	2.05E-04	9.28E-06	4.30E-05	2.38E-06	2.21E-04	1.13E-05	2.64E-05	1.27E-06
918	436927.04	3725707.05	1.95E-04	8.69E-06	4.09E-05	2.22E-06	2.10E-04	1.05E-05	2.51E-05	1.18E-06
919	436921.85	3725698.87	1.94E-04	8.62E-06	4.06E-05	2.20E-06	2.08E-04	1.04E-05	2.49E-05	1.17E-06
920	436875.16	3725625.24	1.69E-04	7.26E-06	3.53E-05	1.85E-06	1.81E-04	8.74E-06	2.16E-05	9.78E-07
921	436869.97	3725617.06	1.67E-04	7.16E-06	3.48E-05	1.82E-06	1.79E-04	8.61E-06	2.13E-05	9.63E-07
922	436864.78	3725608.88	1.65E-04	7.06E-06	3.45E-05	1.79E-06	1.77E-04	8.49E-06	2.11E-05	9.49E-07
923	436859.59	3725600.7	1.63E-04	6.97E-06	3.41E-05	1.77E-06	1.75E-04	8.37E-06	2.08E-05	9.36E-07
924	436854.41	3725592.52	1.61E-04	6.87E-06	3.37E-05	1.74E-06	1.73E-04	8.25E-06	2.06E-05	9.22E-07
925	436849.22	3725584.34	1.59E-04	6.77E-06	3.32E-05	1.71E-06	1.71E-04	8.12E-06	2.03E-05	9.08E-07
926	436844.03	3725576.16	1.57E-04	6.67E-06	3.28E-05	1.69E-06	1.69E-04	8.00E-06	2.00E-05	8.94E-07
927	436838.84	3725567.98	1.55E-04	6.57E-06	3.24E-05	1.66E-06	1.67E-04	7.88E-06	1.98E-05	8.80E-07
928	437077.49	3725944.29	2.52E-04	1.20E-05	5.29E-05	3.10E-06	2.71E-04	1.47E-05	3.25E-05	1.65E-06
929	437084.88	3725950.57	2.56E-04	1.22E-05	5.37E-05	3.16E-06	2.75E-04	1.50E-05	3.30E-05	1.68E-06
930	437092.26	3725956.85	2.60E-04	1.24E-05	5.45E-05	3.22E-06	2.79E-04	1.52E-05	3.35E-05	1.72E-06
931	437099.65	3725963.13	2.63E-04	1.26E-05	5.52E-05	3.27E-06	2.83E-04	1.55E-05	3.40E-05	1.75E-06
932	437107.04	3725969.41	2.67E-04	1.28E-05	5.60E-05	3.33E-06	2.87E-04	1.58E-05	3.45E-05	1.77E-06
933	437114.43	3725975.69	2.70E-04	1.30E-05	5.67E-05	3.38E-06	2.90E-04	1.60E-05	3.49E-05	1.80E-06
934	437121.82	3725981.97	2.73E-04	1.32E-05	5.73E-05	3.43E-06	2.93E-04	1.62E-05	3.53E-05	1.83E-06
935	437129.21	3725988.25	2.76E-04	1.34E-05	5.79E-05	3.47E-06	2.97E-04	1.65E-05	3.57E-05	1.85E-06
936	437136.6	3725994.53	2.79E-04	1.35E-05	5.86E-05	3.52E-06	3.00E-04	1.67E-05	3.61E-05	1.88E-06
937	437143.99	3726000.81	2.82E-04	1.37E-05	5.93E-05	3.57E-06	3.03E-04	1.69E-05	3.65E-05	1.91E-06
938	437151.38	3726007.09	2.86E-04	1.40E-05	6.00E-05	3.62E-06	3.07E-04	1.72E-05	3.70E-05	1.94E-06
939	437158.77	3726013.37	2.89E-04	1.41E-05	6.07E-05	3.68E-06	3.11E-04	1.74E-05	3.74E-05	1.96E-06
940	437046.45	3725966.68	2.35E-04	1.10E-05	4.92E-05	2.83E-06	2.52E-04	1.34E-05	3.02E-05	1.51E-06
941	437041.32	3725958.58	2.33E-04	1.09E-05	4.88E-05	2.80E-06	2.50E-04	1.33E-05	3.00E-05	1.49E-06
942	437036.18	3725950.49	2.30E-04	1.07E-05	4.83E-05	2.76E-06	2.48E-04	1.31E-05	2.97E-05	1.47E-06
943	437031.05	3725942.39	2.28E-04	1.06E-05	4.78E-05	2.73E-06	2.45E-04	1.29E-05	2.94E-05	1.45E-06
944	437025.92	3725934.3	2.26E-04	1.05E-05	4.73E-05	2.69E-06	2.43E-04	1.28E-05	2.91E-05	1.43E-06
945	437020.78	3725926.2	2.24E-04	1.03E-05	4.69E-05	2.66E-06	2.40E-04	1.26E-05	2.88E-05	1.42E-06
946	437015.65	3725918.11	2.21E-04	1.02E-05	4.64E-05	2.63E-06	2.38E-04	1.25E-05	2.85E-05	1.40E-06
947	437010.52	3725910.02	2.19E-04	1.01E-05	4.59E-05	2.59E-06	2.35E-04	1.23E-05	2.82E-05	1.38E-06
948	437005.38	3725901.92	2.17E-04	9.95E-06	4.54E-05	2.56E-06	2.33E-04	1.21E-05	2.79E-05	1.36E-06
949	437000.25	3725893.83	2.14E-04	9.83E-06	4.49E-05	2.53E-06	2.30E-04	1.20E-05	2.76E-05	1.34E-06
950	436995.12	3725885.73	2.12E-04	9.71E-06	4.45E-05	2.49E-06	2.28E-04	1.18E-05	2.73E-05	1.33E-06
951	436989.99	3725877.64	2.10E-04	9.59E-06	4.41E-05	2.46E-06	2.26E-04	1.17E-05	2.70E-05	1.31E-06
952	436984.85	3725869.55	2.08E-04	9.47E-06	4.36E-05	2.43E-06	2.24E-04	1.15E-05	2.68E-05	1.29E-06
953	436979.72	3725861.45	2.06E-04	9.36E-06	4.32E-05	2.40E-06	2.22E-04	1.14E-05	2.65E-05	1.28E-06
954	436974.59	3725853.36	2.04E-04	9.26E-06	4.28E-05	2.37E-06	2.20E-04	1.13E-05	2.63E-05	1.26E-06
955	436969.45	3725845.26	2.03E-04	9.16E-06	4.24E-05	2.35E-06	2.18E-04	1.11E-05	2.60E-05	1.25E-06
956	436964.32	3725837.17	2.01E-04	9.05E-06	4.20E-05	2.32E-06	2.16E-04	1.10E-05	2.58E-05	1.23E-06
957	436959.19	3725829.07	1.99E-04	8.98E-06	4.18E-05	2.30E-06	2.14E-04	1.09E-05	2.56E-05	1.22E-06
958	436954.05	3725820.98	1.98E-04	8.90E-06	4.15E-05	2.28E-06	2.13E-04	1.08E-05	2.54E-05	1.21E-06
959	436948.92	3725812.89	1.97E-04	8.82E-06	4.12E-05	2.26E-06	2.11E-04	1.07E-05	2.52E-05	1.20E-06
960	436943.79	3725804.79	1.95E-04	8.73E-06	4.08E-05	2.23E-06	2.10E-04	1.06E-05	2.50E-05	1.19E-06
961	436938.66	3725796.7	1.93E-04	8.62E-06	4.04E-05	2.21E-06	2.08E-04	1.05E-05	2.48E-05	1.17E-06
962	436933.52	3725788.6	1.91E-04	8.52E-06	4.01E-05	2.18E-06	2.06E-04	1.03E-05	2.46E-05	1.16E-06
963	436928.39	3725780.51	1.90E-04	8.43E-06	3.97E-05	2.15E-06	2.04E-04	1.02E-05	2.43E-05	1.14E-06
964	436923.26	3725772.42	1.88E-04	8.34E-06	3.94E-05	2.13E-06	2.02E-04	1.01E-05	2.41E-05	1.13E-06
965	436918.12	3725764.32	1.87E-04	8.26E-06	3.91E-05	2.11E-06	2.01E-04	9.99E-06	2.39E-05	1.12E-06

966	436912.99	3725756.23	1.85E-04	8.18E-06	3.88E-05	2.09E-06	1.99E-04	9.89E-06	2.38E-05	1.11E-06
967	436841.13	3725642.91	1.57E-04	6.67E-06	3.28E-05	1.69E-06	1.69E-04	8.00E-06	2.00E-05	8.94E-07
968	436835.99	3725634.81	1.54E-04	6.55E-06	3.23E-05	1.66E-06	1.66E-04	7.85E-06	1.97E-05	8.77E-07
969	436830.86	3725626.72	1.52E-04	6.44E-06	3.18E-05	1.63E-06	1.64E-04	7.72E-06	1.94E-05	8.62E-07
970	436825.73	3725618.63	1.51E-04	6.36E-06	3.15E-05	1.61E-06	1.62E-04	7.62E-06	1.92E-05	8.51E-07
971	436820.6	3725610.53	1.49E-04	6.28E-06	3.12E-05	1.59E-06	1.60E-04	7.52E-06	1.90E-05	8.40E-07
972	436815.46	3725602.44	1.48E-04	6.21E-06	3.08E-05	1.57E-06	1.58E-04	7.42E-06	1.88E-05	8.29E-07
973	437051.58	3725974.77	2.37E-04	1.11E-05	4.96E-05	2.85E-06	2.54E-04	1.35E-05	3.05E-05	1.52E-06
974	437058.97	3725981.05	2.39E-04	1.12E-05	5.02E-05	2.90E-06	2.57E-04	1.37E-05	3.08E-05	1.54E-06
975	437066.36	3725987.33	2.42E-04	1.14E-05	5.08E-05	2.94E-06	2.60E-04	1.39E-05	3.12E-05	1.57E-06
976	437073.75	3725993.61	2.45E-04	1.15E-05	5.13E-05	2.98E-06	2.63E-04	1.41E-05	3.15E-05	1.59E-06
977	437081.14	3725999.89	2.47E-04	1.17E-05	5.18E-05	3.01E-06	2.66E-04	1.43E-05	3.18E-05	1.61E-06
978	437088.53	3726006.17	2.50E-04	1.18E-05	5.23E-05	3.05E-06	2.68E-04	1.45E-05	3.22E-05	1.63E-06
979	437095.92	3726012.45	2.52E-04	1.19E-05	5.28E-05	3.08E-06	2.71E-04	1.46E-05	3.25E-05	1.64E-06
980	437103.31	3726018.73	2.54E-04	1.21E-05	5.33E-05	3.12E-06	2.73E-04	1.48E-05	3.27E-05	1.66E-06
981	437110.69	3726025.01	2.56E-04	1.22E-05	5.37E-05	3.15E-06	2.75E-04	1.49E-05	3.30E-05	1.68E-06
982	437118.08	3726031.29	2.59E-04	1.23E-05	5.42E-05	3.18E-06	2.78E-04	1.51E-05	3.33E-05	1.70E-06
983	437125.47	3726037.57	2.61E-04	1.25E-05	5.47E-05	3.22E-06	2.80E-04	1.53E-05	3.37E-05	1.72E-06
984	437132.86	3726043.85	2.64E-04	1.26E-05	5.53E-05	3.26E-06	2.83E-04	1.54E-05	3.40E-05	1.74E-06
985	437020.5	3725997.08	2.19E-04	1.01E-05	4.59E-05	2.59E-06	2.36E-04	1.23E-05	2.82E-05	1.38E-06
986	437015.32	3725988.92	2.18E-04	1.00E-05	4.57E-05	2.57E-06	2.35E-04	1.22E-05	2.80E-05	1.37E-06
987	437010.14	3725980.75	2.17E-04	9.93E-06	4.53E-05	2.55E-06	2.33E-04	1.21E-05	2.78E-05	1.36E-06
988	437004.96	3725972.59	2.14E-04	9.81E-06	4.49E-05	2.52E-06	2.30E-04	1.19E-05	2.75E-05	1.34E-06
989	436999.79	3725964.42	2.12E-04	9.70E-06	4.45E-05	2.49E-06	2.28E-04	1.18E-05	2.73E-05	1.32E-06
990	436994.61	3725956.26	2.10E-04	9.59E-06	4.41E-05	2.46E-06	2.26E-04	1.17E-05	2.70E-05	1.31E-06
991	436989.43	3725948.09	2.08E-04	9.48E-06	4.36E-05	2.43E-06	2.24E-04	1.15E-05	2.68E-05	1.29E-06
992	436984.25	3725939.92	2.06E-04	9.36E-06	4.32E-05	2.40E-06	2.22E-04	1.14E-05	2.65E-05	1.28E-06
993	436979.07	3725931.76	2.04E-04	9.24E-06	4.27E-05	2.37E-06	2.19E-04	1.12E-05	2.62E-05	1.26E-06
994	436973.89	3725923.59	2.02E-04	9.13E-06	4.23E-05	2.34E-06	2.17E-04	1.11E-05	2.59E-05	1.24E-06
995	436968.72	3725915.43	2.00E-04	9.01E-06	4.18E-05	2.31E-06	2.15E-04	1.09E-05	2.56E-05	1.23E-06
996	436963.54	3725907.26	1.98E-04	8.90E-06	4.14E-05	2.28E-06	2.13E-04	1.08E-05	2.54E-05	1.21E-06
997	436958.36	3725899.1	1.96E-04	8.79E-06	4.10E-05	2.25E-06	2.11E-04	1.07E-05	2.51E-05	1.20E-06
998	436953.18	3725890.93	1.94E-04	8.67E-06	4.06E-05	2.22E-06	2.08E-04	1.05E-05	2.48E-05	1.18E-06
999	436948	3725882.77	1.91E-04	8.55E-06	4.01E-05	2.19E-06	2.06E-04	1.04E-05	2.45E-05	1.16E-06
1000	436942.82	3725874.6	1.89E-04	8.43E-06	3.96E-05	2.15E-06	2.03E-04	1.02E-05	2.43E-05	1.14E-06
1001	436937.65	3725866.43	1.87E-04	8.32E-06	3.92E-05	2.12E-06	2.01E-04	1.01E-05	2.40E-05	1.13E-06
1002	436932.47	3725858.27	1.85E-04	8.22E-06	3.88E-05	2.10E-06	1.99E-04	9.94E-06	2.38E-05	1.11E-06
1003	436927.29	3725850.1	1.84E-04	8.12E-06	3.84E-05	2.07E-06	1.97E-04	9.82E-06	2.35E-05	1.10E-06
1004	436922.11	3725841.94	1.82E-04	8.01E-06	3.80E-05	2.04E-06	1.95E-04	9.68E-06	2.33E-05	1.08E-06
1005	436916.93	3725833.77	1.80E-04	7.91E-06	3.76E-05	2.02E-06	1.93E-04	9.55E-06	2.30E-05	1.07E-06
1006	436911.76	3725825.61	1.78E-04	7.84E-06	3.73E-05	2.00E-06	1.92E-04	9.46E-06	2.28E-05	1.06E-06
1007	436906.58	3725817.44	1.77E-04	7.77E-06	3.71E-05	1.98E-06	1.90E-04	9.38E-06	2.27E-05	1.05E-06
1008	436901.4	3725809.28	1.76E-04	7.71E-06	3.68E-05	1.96E-06	1.89E-04	9.31E-06	2.25E-05	1.04E-06
1009	436896.22	3725801.11	1.75E-04	7.64E-06	3.66E-05	1.95E-06	1.88E-04	9.22E-06	2.24E-05	1.03E-06
1010	436891.04	3725792.94	1.74E-04	7.57E-06	3.63E-05	1.93E-06	1.86E-04	9.13E-06	2.22E-05	1.02E-06
1011	436885.86	3725784.78	1.72E-04	7.49E-06	3.60E-05	1.91E-06	1.85E-04	9.03E-06	2.20E-05	1.01E-06
1012	436880.69	3725776.61	1.71E-04	7.42E-06	3.57E-05	1.89E-06	1.83E-04	8.94E-06	2.18E-05	1.00E-06
1013	436875.51	3725768.45	1.70E-04	7.36E-06	3.55E-05	1.87E-06	1.82E-04	8.86E-06	2.17E-05	9.91E-07
1014	436870.33	3725760.28	1.69E-04	7.31E-06	3.53E-05	1.86E-06	1.81E-04	8.80E-06	2.16E-05	9.84E-07
1015	436865.15	3725752.12	1.68E-04	7.26E-06	3.51E-05	1.84E-06	1.80E-04	8.73E-06	2.15E-05	9.77E-07
1016	436808.19	3725662.3	1.48E-04	6.26E-06	3.10E-05	1.58E-06	1.59E-04	7.49E-06	1.89E-05	8.36E-07
1017	437025.68	3726005.25	2.20E-04	1.01E-05	4.61E-05	2.60E-06	2.36E-04	1.23E-05	2.83E-05	1.38E-06
1018	437033.07	3726011.53	2.23E-04	1.03E-05	4.66E-05	2.63E-06	2.39E-04	1.25E-05	2.86E-05	1.40E-06
1019	437040.46	3726017.81	2.25E-04	1.04E-05	4.71E-05	2.67E-06	2.42E-04	1.27E-05	2.89E-05	1.42E-06
1020	437047.84	3726024.09	2.27E-04	1.05E-05	4.76E-05	2.70E-06	2.44E-04	1.28E-05	2.92E-05	1.44E-06
1021	437055.23	3726030.37	2.29E-04	1.06E-05	4.80E-05	2.73E-06	2.46E-04	1.29E-05	2.94E-05	1.45E-06
1022	437062.62	3726036.65	2.31E-04	1.07E-05	4.84E-05	2.76E-06	2.48E-04	1.31E-05	2.97E-05	1.47E-06

1023	437070.01	3726042.93	2.33E-04	1.09E-05	4.89E-05	2.79E-06	2.51E-04	1.32E-05	3.00E-05	1.49E-06
1024	437077.4	3726049.21	2.36E-04	1.10E-05	4.94E-05	2.83E-06	2.53E-04	1.34E-05	3.03E-05	1.51E-06
1025	437084.79	3726055.49	2.38E-04	1.11E-05	4.98E-05	2.85E-06	2.55E-04	1.35E-05	3.05E-05	1.52E-06
1026	437092.18	3726061.77	2.39E-04	1.12E-05	5.02E-05	2.88E-06	2.57E-04	1.37E-05	3.08E-05	1.53E-06
1027	437099.57	3726068.05	2.41E-04	1.13E-05	5.06E-05	2.91E-06	2.59E-04	1.38E-05	3.10E-05	1.55E-06
1028	437106.96	3726074.33	2.44E-04	1.14E-05	5.10E-05	2.94E-06	2.62E-04	1.39E-05	3.13E-05	1.57E-06
1029	436994.64	3726027.64	2.02E-04	9.11E-06	4.23E-05	2.33E-06	2.17E-04	1.10E-05	2.59E-05	1.24E-06
1030	436989.52	3726019.55	2.02E-04	9.09E-06	4.22E-05	2.32E-06	2.17E-04	1.10E-05	2.58E-05	1.23E-06
1031	436984.39	3726011.47	2.01E-04	9.05E-06	4.20E-05	2.31E-06	2.16E-04	1.10E-05	2.57E-05	1.23E-06
1032	436979.26	3726003.38	2.00E-04	9.00E-06	4.18E-05	2.30E-06	2.15E-04	1.09E-05	2.56E-05	1.22E-06
1033	436974.13	3725995.29	1.99E-04	8.94E-06	4.16E-05	2.28E-06	2.14E-04	1.08E-05	2.55E-05	1.21E-06
1034	436969	3725987.2	1.98E-04	8.87E-06	4.13E-05	2.27E-06	2.12E-04	1.07E-05	2.53E-05	1.20E-06
1035	436963.87	3725979.12	1.96E-04	8.78E-06	4.10E-05	2.24E-06	2.10E-04	1.06E-05	2.51E-05	1.19E-06
1036	436958.74	3725971.03	1.94E-04	8.68E-06	4.06E-05	2.22E-06	2.08E-04	1.05E-05	2.48E-05	1.18E-06
1037	436953.61	3725962.94	1.92E-04	8.57E-06	4.02E-05	2.19E-06	2.06E-04	1.04E-05	2.46E-05	1.16E-06
1038	436948.49	3725954.85	1.90E-04	8.47E-06	3.98E-05	2.16E-06	2.04E-04	1.03E-05	2.43E-05	1.15E-06
1039	436943.36	3725946.77	1.88E-04	8.38E-06	3.94E-05	2.14E-06	2.02E-04	1.01E-05	2.41E-05	1.13E-06
1040	436938.23	3725938.68	1.87E-04	8.28E-06	3.90E-05	2.11E-06	2.00E-04	1.00E-05	2.39E-05	1.12E-06
1041	436933.1	3725930.59	1.85E-04	8.19E-06	3.87E-05	2.09E-06	1.99E-04	9.89E-06	2.37E-05	1.11E-06
1042	436927.97	3725922.5	1.83E-04	8.09E-06	3.83E-05	2.06E-06	1.97E-04	9.77E-06	2.34E-05	1.09E-06
1043	436922.84	3725914.42	1.81E-04	7.97E-06	3.78E-05	2.03E-06	1.94E-04	9.62E-06	2.31E-05	1.08E-06
1044	436917.71	3725906.33	1.79E-04	7.86E-06	3.73E-05	2.00E-06	1.92E-04	9.48E-06	2.28E-05	1.06E-06
1045	436912.58	3725898.24	1.76E-04	7.74E-06	3.69E-05	1.97E-06	1.90E-04	9.34E-06	2.26E-05	1.05E-06
1046	436907.46	3725890.15	1.74E-04	7.63E-06	3.64E-05	1.94E-06	1.87E-04	9.20E-06	2.23E-05	1.03E-06
1047	436902.33	3725882.07	1.72E-04	7.52E-06	3.60E-05	1.91E-06	1.85E-04	9.06E-06	2.20E-05	1.01E-06
1048	436897.2	3725873.98	1.70E-04	7.41E-06	3.56E-05	1.88E-06	1.83E-04	8.92E-06	2.17E-05	9.98E-07
1049	436892.07	3725865.89	1.68E-04	7.29E-06	3.51E-05	1.85E-06	1.80E-04	8.78E-06	2.15E-05	9.82E-07
1050	436886.94	3725857.8	1.66E-04	7.20E-06	3.48E-05	1.83E-06	1.79E-04	8.67E-06	2.12E-05	9.69E-07
1051	436881.81	3725849.72	1.65E-04	7.12E-06	3.44E-05	1.81E-06	1.77E-04	8.56E-06	2.10E-05	9.57E-07
1052	436866.43	3725825.45	1.60E-04	6.89E-06	3.35E-05	1.75E-06	1.72E-04	8.28E-06	2.05E-05	9.26E-07
1053	436861.3	3725817.37	1.59E-04	6.83E-06	3.33E-05	1.73E-06	1.71E-04	8.20E-06	2.03E-05	9.17E-07
1054	436856.17	3725809.28	1.58E-04	6.77E-06	3.30E-05	1.71E-06	1.70E-04	8.13E-06	2.02E-05	9.08E-07
1055	436851.04	3725801.19	1.57E-04	6.71E-06	3.28E-05	1.70E-06	1.68E-04	8.05E-06	2.00E-05	8.99E-07
1056	436845.91	3725793.11	1.56E-04	6.64E-06	3.25E-05	1.68E-06	1.67E-04	7.97E-06	1.98E-05	8.90E-07
1057	436840.78	3725785.02	1.54E-04	6.57E-06	3.22E-05	1.66E-06	1.66E-04	7.88E-06	1.97E-05	8.80E-07
1058	436835.65	3725776.93	1.53E-04	6.50E-06	3.20E-05	1.65E-06	1.64E-04	7.79E-06	1.95E-05	8.70E-07
1059	436830.53	3725768.84	1.52E-04	6.45E-06	3.17E-05	1.63E-06	1.63E-04	7.73E-06	1.94E-05	8.63E-07
1060	436825.4	3725760.76	1.51E-04	6.40E-06	3.15E-05	1.62E-06	1.62E-04	7.66E-06	1.92E-05	8.56E-07
1061	436999.77	3726035.73	2.02E-04	9.13E-06	4.24E-05	2.34E-06	2.17E-04	1.11E-05	2.59E-05	1.24E-06
1062	437007.16	3726042.01	2.04E-04	9.23E-06	4.27E-05	2.36E-06	2.19E-04	1.12E-05	2.61E-05	1.25E-06
1063	437014.55	3726048.29	2.06E-04	9.32E-06	4.31E-05	2.38E-06	2.21E-04	1.13E-05	2.64E-05	1.27E-06
1064	437021.94	3726054.57	2.08E-04	9.41E-06	4.34E-05	2.41E-06	2.23E-04	1.14E-05	2.66E-05	1.28E-06
1065	437029.33	3726060.85	2.09E-04	9.51E-06	4.38E-05	2.44E-06	2.25E-04	1.15E-05	2.68E-05	1.29E-06
1066	437036.72	3726067.13	2.11E-04	9.62E-06	4.42E-05	2.46E-06	2.27E-04	1.17E-05	2.71E-05	1.31E-06
1067	437044.11	3726073.41	2.13E-04	9.72E-06	4.46E-05	2.49E-06	2.29E-04	1.18E-05	2.73E-05	1.32E-06
1068	437051.5	3726079.69	2.16E-04	9.84E-06	4.51E-05	2.52E-06	2.31E-04	1.20E-05	2.76E-05	1.34E-06
1069	437058.89	3726085.97	2.18E-04	9.99E-06	4.57E-05	2.56E-06	2.35E-04	1.21E-05	2.80E-05	1.36E-06
1070	437066.28	3726092.25	2.21E-04	1.02E-05	4.63E-05	2.60E-06	2.38E-04	1.23E-05	2.84E-05	1.39E-06
1071	437073.66	3726098.53	2.25E-04	1.03E-05	4.70E-05	2.65E-06	2.41E-04	1.26E-05	2.88E-05	1.41E-06
1072	437081.05	3726104.81	2.28E-04	1.05E-05	4.77E-05	2.70E-06	2.45E-04	1.28E-05	2.92E-05	1.44E-06
1073	436968.7	3726058.05	1.87E-04	8.29E-06	3.91E-05	2.11E-06	2.01E-04	1.00E-05	2.39E-05	1.12E-06
1074	436963.53	3726049.9	1.87E-04	8.27E-06	3.90E-05	2.11E-06	2.00E-04	9.99E-06	2.38E-05	1.12E-06
1075	436958.36	3726041.75	1.86E-04	8.25E-06	3.89E-05	2.10E-06	2.00E-04	9.96E-06	2.38E-05	1.12E-06
1076	436953.19	3726033.6	1.86E-04	8.23E-06	3.88E-05	2.10E-06	2.00E-04	9.94E-06	2.37E-05	1.11E-06
1077	436948.02	3726025.44	1.85E-04	8.20E-06	3.87E-05	2.09E-06	1.99E-04	9.90E-06	2.37E-05	1.11E-06
1078	436942.85	3726017.29	1.85E-04	8.17E-06	3.86E-05	2.08E-06	1.98E-04	9.86E-06	2.36E-05	1.10E-06
1079	436937.68	3726009.14	1.83E-04	8.11E-06	3.83E-05	2.07E-06	1.97E-04	9.78E-06	2.34E-05	1.10E-06

1080	436932.51	3726000.98	1.82E-04	8.04E-06	3.81E-05	2.05E-06	1.96E-04	9.70E-06	2.33E-05	1.09E-06
1081	436927.34	3725992.83	1.81E-04	7.97E-06	3.78E-05	2.03E-06	1.94E-04	9.61E-06	2.31E-05	1.08E-06
1082	436922.17	3725984.68	1.79E-04	7.88E-06	3.74E-05	2.01E-06	1.92E-04	9.51E-06	2.29E-05	1.06E-06
1083	436917	3725976.52	1.77E-04	7.78E-06	3.71E-05	1.98E-06	1.90E-04	9.38E-06	2.27E-05	1.05E-06
1084	436911.83	3725968.37	1.75E-04	7.68E-06	3.67E-05	1.95E-06	1.88E-04	9.26E-06	2.24E-05	1.04E-06
1085	436906.66	3725960.22	1.74E-04	7.59E-06	3.63E-05	1.93E-06	1.86E-04	9.14E-06	2.22E-05	1.02E-06
1086	436901.48	3725952.07	1.72E-04	7.49E-06	3.59E-05	1.90E-06	1.84E-04	9.02E-06	2.19E-05	1.01E-06
1087	436896.31	3725943.91	1.70E-04	7.40E-06	3.55E-05	1.88E-06	1.83E-04	8.91E-06	2.17E-05	9.96E-07
1088	436891.14	3725935.76	1.68E-04	7.30E-06	3.51E-05	1.85E-06	1.81E-04	8.79E-06	2.15E-05	9.83E-07
1089	436885.97	3725927.61	1.66E-04	7.20E-06	3.47E-05	1.83E-06	1.78E-04	8.66E-06	2.12E-05	9.68E-07
1090	436880.8	3725919.45	1.64E-04	7.10E-06	3.43E-05	1.80E-06	1.76E-04	8.53E-06	2.09E-05	9.54E-07
1091	436875.63	3725911.3	1.62E-04	6.99E-06	3.39E-05	1.77E-06	1.74E-04	8.40E-06	2.07E-05	9.39E-07
1092	436870.46	3725903.15	1.60E-04	6.89E-06	3.35E-05	1.75E-06	1.72E-04	8.28E-06	2.04E-05	9.25E-07
1093	436865.29	3725894.99	1.58E-04	6.80E-06	3.31E-05	1.72E-06	1.70E-04	8.16E-06	2.02E-05	9.12E-07
1094	436860.12	3725886.84	1.57E-04	6.70E-06	3.27E-05	1.70E-06	1.68E-04	8.04E-06	2.00E-05	8.98E-07
1095	436854.95	3725878.69	1.55E-04	6.61E-06	3.23E-05	1.67E-06	1.66E-04	7.93E-06	1.97E-05	8.86E-07
1096	436834.27	3725846.08	1.49E-04	6.32E-06	3.11E-05	1.60E-06	1.60E-04	7.56E-06	1.90E-05	8.44E-07
1097	436829.1	3725837.92	1.48E-04	6.24E-06	3.08E-05	1.58E-06	1.59E-04	7.47E-06	1.88E-05	8.34E-07
1098	436823.93	3725829.77	1.46E-04	6.18E-06	3.06E-05	1.56E-06	1.57E-04	7.39E-06	1.86E-05	8.25E-07
1099	436818.76	3725821.62	1.45E-04	6.12E-06	3.03E-05	1.54E-06	1.56E-04	7.32E-06	1.85E-05	8.17E-07
1100	436813.59	3725813.46	1.44E-04	6.06E-06	3.00E-05	1.53E-06	1.55E-04	7.24E-06	1.83E-05	8.08E-07
1101	436808.42	3725805.31	1.43E-04	5.99E-06	2.98E-05	1.51E-06	1.53E-04	7.16E-06	1.82E-05	7.99E-07
1102	436803.25	3725797.16	1.42E-04	5.94E-06	2.96E-05	1.50E-06	1.52E-04	7.09E-06	1.80E-05	7.91E-07
1103	436798.08	3725789.01	1.41E-04	5.89E-06	2.93E-05	1.48E-06	1.51E-04	7.03E-06	1.79E-05	7.84E-07
1104	436792.91	3725780.85	1.40E-04	5.84E-06	2.91E-05	1.47E-06	1.50E-04	6.97E-06	1.78E-05	7.77E-07
1105	436687.87	3725073.86	1.13E-04	4.38E-06	2.35E-05	1.08E-06	1.22E-04	5.12E-06	1.43E-05	5.68E-07
1106	436973.87	3726066.21	1.87E-04	8.31E-06	3.92E-05	2.12E-06	2.01E-04	1.00E-05	2.39E-05	1.12E-06
1107	436981.26	3726072.49	1.89E-04	8.38E-06	3.94E-05	2.14E-06	2.03E-04	1.01E-05	2.41E-05	1.13E-06
1108	436988.65	3726078.77	1.90E-04	8.46E-06	3.97E-05	2.16E-06	2.04E-04	1.02E-05	2.43E-05	1.14E-06
1109	436996.04	3726085.05	1.92E-04	8.55E-06	4.01E-05	2.18E-06	2.06E-04	1.03E-05	2.45E-05	1.16E-06
1110	437003.43	3726091.33	1.94E-04	8.65E-06	4.05E-05	2.21E-06	2.08E-04	1.05E-05	2.48E-05	1.17E-06
1111	437010.81	3726097.61	1.96E-04	8.76E-06	4.09E-05	2.23E-06	2.10E-04	1.06E-05	2.50E-05	1.19E-06
1112	437018.2	3726103.89	1.98E-04	8.86E-06	4.13E-05	2.26E-06	2.12E-04	1.07E-05	2.53E-05	1.20E-06
1113	437025.59	3726110.17	2.00E-04	8.99E-06	4.19E-05	2.30E-06	2.15E-04	1.09E-05	2.56E-05	1.22E-06
1114	437032.98	3726116.45	2.03E-04	9.14E-06	4.24E-05	2.33E-06	2.18E-04	1.11E-05	2.60E-05	1.24E-06
1115	437040.37	3726122.73	2.06E-04	9.29E-06	4.30E-05	2.38E-06	2.21E-04	1.13E-05	2.63E-05	1.26E-06
1116	437047.76	3726129.01	2.09E-04	9.46E-06	4.37E-05	2.42E-06	2.24E-04	1.15E-05	2.67E-05	1.28E-06
1117	437055.15	3726135.29	2.12E-04	9.63E-06	4.44E-05	2.46E-06	2.28E-04	1.17E-05	2.72E-05	1.31E-06
1118	436942.84	3726088.6	1.75E-04	7.63E-06	3.65E-05	1.94E-06	1.88E-04	9.19E-06	2.23E-05	1.03E-06
1119	436937.71	3726080.52	1.74E-04	7.62E-06	3.64E-05	1.93E-06	1.87E-04	9.17E-06	2.22E-05	1.03E-06
1120	436932.59	3726072.44	1.74E-04	7.61E-06	3.64E-05	1.93E-06	1.87E-04	9.15E-06	2.22E-05	1.02E-06
1121	436927.46	3726064.36	1.74E-04	7.60E-06	3.63E-05	1.93E-06	1.87E-04	9.14E-06	2.22E-05	1.02E-06
1122	436922.34	3726056.28	1.74E-04	7.59E-06	3.63E-05	1.93E-06	1.87E-04	9.13E-06	2.22E-05	1.02E-06
1123	436917.21	3726048.2	1.74E-04	7.58E-06	3.63E-05	1.92E-06	1.86E-04	9.12E-06	2.21E-05	1.02E-06
1124	436912.09	3726040.11	1.73E-04	7.54E-06	3.61E-05	1.92E-06	1.86E-04	9.07E-06	2.20E-05	1.01E-06
1125	436906.96	3726032.03	1.72E-04	7.49E-06	3.59E-05	1.90E-06	1.85E-04	9.02E-06	2.19E-05	1.01E-06
1126	436901.84	3726023.95	1.71E-04	7.45E-06	3.57E-05	1.89E-06	1.84E-04	8.96E-06	2.18E-05	1.00E-06
1127	436896.71	3726015.87	1.70E-04	7.39E-06	3.55E-05	1.88E-06	1.83E-04	8.89E-06	2.17E-05	9.94E-07
1128	436891.59	3726007.79	1.68E-04	7.30E-06	3.51E-05	1.85E-06	1.81E-04	8.77E-06	2.14E-05	9.81E-07
1129	436886.46	3725999.71	1.66E-04	7.21E-06	3.47E-05	1.83E-06	1.79E-04	8.66E-06	2.12E-05	9.68E-07
1130	436881.34	3725991.62	1.65E-04	7.12E-06	3.44E-05	1.80E-06	1.77E-04	8.55E-06	2.10E-05	9.56E-07
1131	436876.21	3725983.54	1.63E-04	7.03E-06	3.40E-05	1.78E-06	1.75E-04	8.44E-06	2.08E-05	9.43E-07
1132	436871.09	3725975.46	1.61E-04	6.94E-06	3.37E-05	1.76E-06	1.73E-04	8.33E-06	2.05E-05	9.31E-07
1133	436865.96	3725967.38	1.59E-04	6.85E-06	3.33E-05	1.73E-06	1.71E-04	8.22E-06	2.03E-05	9.18E-07
1134	436860.84	3725959.3	1.58E-04	6.75E-06	3.29E-05	1.71E-06	1.69E-04	8.10E-06	2.01E-05	9.05E-07
1135	436855.71	3725951.21	1.56E-04	6.66E-06	3.25E-05	1.68E-06	1.67E-04	7.98E-06	1.98E-05	8.92E-07
1136	436850.59	3725943.13	1.54E-04	6.56E-06	3.21E-05	1.66E-06	1.65E-04	7.86E-06	1.96E-05	8.78E-07

1137	436845.46	3725935.05	1.52E-04	6.46E-06	3.17E-05	1.63E-06	1.63E-04	7.74E-06	1.93E-05	8.64E-07
1138	436840.34	3725926.97	1.50E-04	6.36E-06	3.13E-05	1.61E-06	1.61E-04	7.61E-06	1.91E-05	8.50E-07
1139	436835.21	3725918.89	1.48E-04	6.28E-06	3.09E-05	1.59E-06	1.59E-04	7.52E-06	1.89E-05	8.39E-07
1140	436830.09	3725910.81	1.47E-04	6.21E-06	3.06E-05	1.57E-06	1.58E-04	7.43E-06	1.87E-05	8.29E-07
1141	436804.46	3725870.4	1.40E-04	5.87E-06	2.92E-05	1.48E-06	1.50E-04	7.01E-06	1.78E-05	7.82E-07
1142	436799.34	3725862.32	1.39E-04	5.81E-06	2.90E-05	1.46E-06	1.49E-04	6.93E-06	1.77E-05	7.73E-07
1143	436794.21	3725854.23	1.38E-04	5.75E-06	2.87E-05	1.45E-06	1.48E-04	6.86E-06	1.75E-05	7.65E-07
1144	436789.09	3725846.15	1.36E-04	5.69E-06	2.85E-05	1.43E-06	1.46E-04	6.78E-06	1.73E-05	7.56E-07
1145	436783.96	3725838.07	1.35E-04	5.63E-06	2.82E-05	1.42E-06	1.45E-04	6.71E-06	1.72E-05	7.48E-07
1146	436778.84	3725829.99	1.34E-04	5.57E-06	2.80E-05	1.40E-06	1.44E-04	6.64E-06	1.70E-05	7.40E-07
1147	436773.71	3725821.91	1.33E-04	5.53E-06	2.78E-05	1.39E-06	1.43E-04	6.58E-06	1.69E-05	7.33E-07
1148	436768.59	3725813.82	1.32E-04	5.48E-06	2.76E-05	1.38E-06	1.42E-04	6.52E-06	1.68E-05	7.27E-07
1149	436763.46	3725805.74	1.31E-04	5.43E-06	2.74E-05	1.36E-06	1.41E-04	6.46E-06	1.67E-05	7.20E-07
1150	436947.97	3726096.69	1.75E-04	7.65E-06	3.65E-05	1.94E-06	1.88E-04	9.20E-06	2.23E-05	1.03E-06
1151	436955.35	3726102.97	1.76E-04	7.71E-06	3.68E-05	1.96E-06	1.89E-04	9.28E-06	2.25E-05	1.04E-06
1152	436962.74	3726109.25	1.78E-04	7.80E-06	3.71E-05	1.98E-06	1.91E-04	9.39E-06	2.27E-05	1.05E-06
1153	436970.13	3726115.53	1.80E-04	7.90E-06	3.76E-05	2.01E-06	1.93E-04	9.51E-06	2.29E-05	1.06E-06
1154	436977.52	3726121.81	1.82E-04	8.01E-06	3.80E-05	2.04E-06	1.95E-04	9.65E-06	2.32E-05	1.08E-06
1155	436984.91	3726128.09	1.84E-04	8.12E-06	3.84E-05	2.06E-06	1.98E-04	9.78E-06	2.35E-05	1.09E-06
1156	436992.3	3726134.37	1.86E-04	8.23E-06	3.89E-05	2.10E-06	2.00E-04	9.93E-06	2.38E-05	1.11E-06
1157	436999.69	3726140.65	1.89E-04	8.36E-06	3.94E-05	2.13E-06	2.03E-04	1.01E-05	2.41E-05	1.13E-06
1158	437007.08	3726146.93	1.91E-04	8.50E-06	4.00E-05	2.16E-06	2.05E-04	1.03E-05	2.44E-05	1.15E-06
1159	437014.47	3726153.21	1.94E-04	8.64E-06	4.05E-05	2.20E-06	2.08E-04	1.04E-05	2.48E-05	1.17E-06
1160	437021.86	3726159.49	1.97E-04	8.78E-06	4.11E-05	2.24E-06	2.11E-04	1.06E-05	2.51E-05	1.19E-06
1161	437029.25	3726165.77	1.99E-04	8.92E-06	4.17E-05	2.27E-06	2.14E-04	1.08E-05	2.55E-05	1.21E-06
1162	437520.06	3725611.33	9.36E-03	9.28E-04	2.07E-03	2.65E-04	1.01E-02	1.26E-03	1.38E-03	1.46E-04
1163	437507.55	3725626.93	7.06E-03	6.79E-04	1.56E-03	1.93E-04	7.64E-03	9.17E-04	1.04E-03	1.06E-04
1164	437495.04	3725642.54	5.42E-03	5.05E-04	1.19E-03	1.43E-04	5.87E-03	6.80E-04	7.90E-04	7.87E-05
1165	437470.46	3725661.28	3.78E-03	3.37E-04	8.28E-04	9.51E-05	4.09E-03	4.51E-04	5.46E-04	5.22E-05
1166	437482.1	3725670.61	3.81E-03	3.36E-04	8.33E-04	9.47E-05	4.12E-03	4.50E-04	5.48E-04	5.19E-05
1167	437451.7	3725684.69	2.77E-03	2.34E-04	6.05E-04	6.59E-05	3.00E-03	3.13E-04	3.96E-04	3.61E-05
1168	437463.34	3725694.02	2.81E-03	2.36E-04	6.13E-04	6.63E-05	3.04E-03	3.15E-04	4.01E-04	3.63E-05
1169	437432.93	3725708.1	2.13E-03	1.71E-04	4.62E-04	4.78E-05	2.30E-03	2.27E-04	3.00E-04	2.62E-05
1170	437444.57	3725717.43	2.17E-03	1.74E-04	4.71E-04	4.85E-05	2.34E-03	2.30E-04	3.06E-04	2.65E-05
1171	437425.81	3725740.84	1.73E-03	1.32E-04	3.74E-04	3.67E-05	1.87E-03	1.74E-04	2.41E-04	2.00E-05
1172	437407.05	3725764.25	1.43E-03	1.04E-04	3.08E-04	2.88E-05	1.54E-03	1.37E-04	1.98E-04	1.57E-05
1173	437357.88	3725801.73	1.00E-03	6.72E-05	2.14E-04	1.84E-05	1.08E-03	8.72E-05	1.36E-04	9.99E-06
1174	437335.13	3725821.85	8.43E-04	5.43E-05	1.80E-04	1.48E-05	9.08E-04	7.00E-05	1.14E-04	8.00E-06
1175	437344.94	3725829.81	8.59E-04	5.54E-05	1.83E-04	1.51E-05	9.26E-04	7.15E-05	1.16E-04	8.17E-06
1176	437316.14	3725845.07	7.20E-04	4.45E-05	1.53E-04	1.20E-05	7.76E-04	5.71E-05	9.67E-05	6.52E-06
1177	437326.17	3725853.21	7.35E-04	4.56E-05	1.57E-04	1.23E-05	7.92E-04	5.85E-05	9.87E-05	6.67E-06
1178	437271.84	3725899.26	5.19E-04	2.94E-05	1.10E-04	7.86E-06	5.58E-04	3.73E-05	6.87E-05	4.23E-06
1179	437282.39	3725907.83	5.30E-04	3.02E-05	1.12E-04	8.05E-06	5.70E-04	3.82E-05	7.01E-05	4.34E-06
1180	437246.53	3725930.23	4.42E-04	2.41E-05	9.35E-05	6.38E-06	4.76E-04	3.03E-05	5.82E-05	3.43E-06
1181	437257.38	3725939.05	4.52E-04	2.47E-05	9.54E-05	6.54E-06	4.86E-04	3.10E-05	5.94E-05	3.52E-06
1182	437221.22	3725961.2	3.82E-04	2.00E-05	8.06E-05	5.28E-06	4.11E-04	2.50E-05	5.00E-05	2.83E-06
1183	437232.36	3725970.26	3.89E-04	2.05E-05	8.21E-05	5.39E-06	4.19E-04	2.56E-05	5.09E-05	2.89E-06
1184	437195.91	3725992.17	3.32E-04	1.68E-05	6.99E-05	4.40E-06	3.57E-04	2.08E-05	4.32E-05	2.35E-06
1185	437207.34	3726001.47	3.39E-04	1.72E-05	7.13E-05	4.50E-06	3.65E-04	2.14E-05	4.41E-05	2.41E-06
1186	437172.07	3726024.35	2.96E-04	1.45E-05	6.21E-05	3.77E-06	3.18E-04	1.79E-05	3.83E-05	2.02E-06
1187	437182.33	3726032.68	3.01E-04	1.48E-05	6.32E-05	3.85E-06	3.23E-04	1.83E-05	3.89E-05	2.06E-06
1188	437146.83	3726055.38	2.69E-04	1.29E-05	5.64E-05	3.34E-06	2.89E-04	1.58E-05	3.47E-05	1.78E-06
1189	437157.31	3726063.89	2.73E-04	1.31E-05	5.73E-05	3.40E-06	2.93E-04	1.61E-05	3.52E-05	1.81E-06
1190	437121.59	3726086.41	2.49E-04	1.17E-05	5.22E-05	3.03E-06	2.68E-04	1.43E-05	3.21E-05	1.61E-06
1191	437132.29	3726095.1	2.53E-04	1.20E-05	5.31E-05	3.09E-06	2.72E-04	1.46E-05	3.26E-05	1.64E-06
1192	437096.35	3726117.44	2.33E-04	1.08E-05	4.89E-05	2.78E-06	2.51E-04	1.32E-05	3.00E-05	1.48E-06
1193	437107.27	3726126.31	2.37E-04	1.10E-05	4.97E-05	2.84E-06	2.55E-04	1.34E-05	3.05E-05	1.51E-06

1194	437071.11	3726148.47	2.18E-04	9.96E-06	4.57E-05	2.55E-06	2.35E-04	1.21E-05	2.80E-05	1.36E-06
1195	437082.26	3726157.52	2.23E-04	1.02E-05	4.66E-05	2.61E-06	2.39E-04	1.24E-05	2.85E-05	1.39E-06
1196	437045.88	3726179.49	2.05E-04	9.23E-06	4.29E-05	2.36E-06	2.20E-04	1.12E-05	2.62E-05	1.25E-06
1197	437057.24	3726188.73	2.09E-04	9.43E-06	4.37E-05	2.41E-06	2.24E-04	1.14E-05	2.67E-05	1.28E-06
1198	437676.44	3725481.96	2.71E-02	1.47E-03	5.67E-03	3.84E-04	2.91E-02	1.82E-03	3.47E-03	2.05E-04
1199	437532.24	3725621.7	8.94E-03	8.72E-04	1.97E-03	2.48E-04	9.68E-03	1.18E-03	1.32E-03	1.37E-04
1200	437545.81	3725633.41	8.48E-03	8.09E-04	1.87E-03	2.30E-04	9.18E-03	1.09E-03	1.24E-03	1.26E-04
1201	437519.18	3725636.85	6.81E-03	6.44E-04	1.50E-03	1.83E-04	7.37E-03	8.69E-04	9.96E-04	1.01E-04
1202	437525.96	3725642.7	6.66E-03	6.24E-04	1.46E-03	1.77E-04	7.21E-03	8.40E-04	9.71E-04	9.72E-05
1203	437493.3	3725680.56	3.78E-03	3.30E-04	8.27E-04	9.29E-05	4.09E-03	4.41E-04	5.43E-04	5.09E-05
1204	437500.09	3725686.41	3.77E-03	3.26E-04	8.23E-04	9.17E-05	4.07E-03	4.35E-04	5.40E-04	5.03E-05
1205	437473.71	3725703.28	2.83E-03	2.35E-04	6.15E-04	6.60E-05	3.06E-03	3.13E-04	4.02E-04	3.62E-05
1206	437480.49	3725709.13	2.84E-03	2.35E-04	6.17E-04	6.58E-05	3.07E-03	3.13E-04	4.03E-04	3.60E-05
1207	437454.11	3725726	2.19E-03	1.74E-04	4.74E-04	4.86E-05	2.36E-03	2.31E-04	3.08E-04	2.66E-05
1208	437434.52	3725748.71	1.74E-03	1.32E-04	3.76E-04	3.68E-05	1.88E-03	1.75E-04	2.43E-04	2.01E-05
1209	437414.93	3725771.43	1.44E-03	1.05E-04	3.10E-04	2.89E-05	1.55E-03	1.37E-04	1.99E-04	1.58E-05
1210	437395.33	3725794.15	1.21E-03	8.45E-05	2.60E-04	2.32E-05	1.30E-03	1.10E-04	1.66E-04	1.26E-05
1211	437356.14	3725839.58	8.73E-04	5.64E-05	1.86E-04	1.53E-05	9.41E-04	7.27E-05	1.18E-04	8.31E-06
1212	437362.93	3725845.43	8.81E-04	5.68E-05	1.88E-04	1.55E-05	9.49E-04	7.33E-05	1.19E-04	8.38E-06
1213	437336.55	3725862.3	7.49E-04	4.65E-05	1.59E-04	1.26E-05	8.07E-04	5.97E-05	1.01E-04	6.81E-06
1214	437343.33	3725868.15	7.58E-04	4.71E-05	1.61E-04	1.27E-05	8.16E-04	6.04E-05	1.02E-04	6.89E-06
1215	437290.83	3725915.3	5.37E-04	3.06E-05	1.14E-04	8.19E-06	5.78E-04	3.88E-05	7.11E-05	4.41E-06
1216	437297.61	3725921.15	5.43E-04	3.10E-05	1.15E-04	8.29E-06	5.85E-04	3.93E-05	7.20E-05	4.47E-06
1217	437264.7	3725945.59	4.57E-04	2.50E-05	9.65E-05	6.62E-06	4.91E-04	3.14E-05	6.00E-05	3.56E-06
1218	437271.48	3725951.44	4.61E-04	2.53E-05	9.75E-05	6.70E-06	4.96E-04	3.18E-05	6.07E-05	3.61E-06
1219	437245.36	3725981.73	3.96E-04	2.09E-05	8.36E-05	5.50E-06	4.26E-04	2.61E-05	5.18E-05	2.95E-06
1220	437219.23	3726012.02	3.45E-04	1.76E-05	7.26E-05	4.60E-06	3.71E-04	2.18E-05	4.49E-05	2.46E-06
1221	437193.11	3726042.31	3.06E-04	1.51E-05	6.42E-05	3.93E-06	3.28E-04	1.86E-05	3.96E-05	2.10E-06
1222	437166.98	3726072.6	2.76E-04	1.33E-05	5.79E-05	3.45E-06	2.97E-04	1.63E-05	3.56E-05	1.84E-06
1223	437140.85	3726102.89	2.56E-04	1.21E-05	5.37E-05	3.12E-06	2.75E-04	1.48E-05	3.29E-05	1.66E-06
1224	437114.73	3726133.18	2.40E-04	1.12E-05	5.02E-05	2.87E-06	2.58E-04	1.36E-05	3.08E-05	1.53E-06
1225	437719.82	3725444.76	3.91E-02	1.01E-03	7.86E-03	2.04E-04	4.17E-02	9.61E-04	4.50E-03	9.84E-05
1226	437728.16	3725437.23	4.21E-02	9.96E-04	8.44E-03	1.91E-04	4.49E-02	9.01E-04	4.80E-03	8.99E-05
1227	437738	3725425.67	4.68E-02	1.01E-03	9.35E-03	1.82E-04	4.98E-02	8.54E-04	5.29E-03	8.23E-05
1228	437726.3	3725451.82	3.48E-02	9.30E-04	7.00E-03	1.92E-04	3.70E-02	9.07E-04	4.01E-03	9.37E-05
1229	437712.3	3725454.87	3.46E-02	1.02E-03	6.98E-03	2.20E-04	3.69E-02	1.04E-03	4.03E-03	1.09E-04
1230	437735.78	3725443.71	3.70E-02	9.04E-04	7.42E-03	1.77E-04	3.94E-02	8.36E-04	4.23E-03	8.43E-05
1231	437745.62	3725432.15	4.02E-02	8.98E-04	8.04E-03	1.66E-04	4.28E-02	7.82E-04	4.56E-03	7.65E-05
1232	437733.34	3725458.59	3.12E-02	8.59E-04	6.28E-03	1.80E-04	3.32E-02	8.51E-04	3.61E-03	8.85E-05
1233	437723.07	3725463.82	3.04E-02	9.16E-04	6.15E-03	2.01E-04	3.24E-02	9.47E-04	3.56E-03	1.00E-04
1234	437712.46	3725464.64	3.05E-02	9.87E-04	6.20E-03	2.22E-04	3.26E-02	1.05E-03	3.61E-03	1.13E-04
1235	437701.51	3725461.05	3.19E-02	1.07E-03	6.49E-03	2.46E-04	3.41E-02	1.16E-03	3.79E-03	1.25E-04
1236	437743.39	3725450.2	3.27E-02	8.23E-04	6.56E-03	1.65E-04	3.48E-02	7.76E-04	3.75E-03	7.89E-05
1237	437753.23	3725438.64	3.49E-02	8.07E-04	6.99E-03	1.53E-04	3.72E-02	7.19E-04	3.97E-03	7.13E-05
1238	437740.61	3725465.25	2.81E-02	7.94E-04	5.67E-03	1.69E-04	3.00E-02	7.97E-04	3.27E-03	8.33E-05
1239	437729.66	3725470.83	2.76E-02	8.55E-04	5.59E-03	1.89E-04	2.95E-02	8.94E-04	3.25E-03	9.51E-05
1240	437712.86	3725474.49	2.74E-02	9.68E-04	5.58E-03	2.26E-04	2.93E-02	1.07E-03	3.28E-03	1.16E-04
1241	437701.18	3725470.66	2.88E-02	1.07E-03	5.87E-03	2.55E-04	3.07E-02	1.20E-03	3.46E-03	1.32E-04
1242	437751.01	3725456.68	2.91E-02	7.54E-04	5.86E-03	1.53E-04	3.10E-02	7.22E-04	3.35E-03	7.40E-05
1243	437760.85	3725445.12	3.06E-02	7.29E-04	6.14E-03	1.41E-04	3.26E-02	6.64E-04	3.50E-03	6.65E-05
1244	437748	3725471.85	2.55E-02	7.35E-04	5.15E-03	1.58E-04	2.72E-02	7.45E-04	2.97E-03	7.83E-05
1245	437736.59	3725477.66	2.52E-02	7.95E-04	5.11E-03	1.78E-04	2.69E-02	8.39E-04	2.97E-03	8.96E-05
1246	437725.18	3725483.47	2.45E-02	8.59E-04	4.99E-03	2.00E-04	2.62E-02	9.45E-04	2.93E-03	1.02E-04
1247	437713.39	3725484.38	2.49E-02	9.54E-04	5.09E-03	2.29E-04	2.66E-02	1.08E-03	3.01E-03	1.19E-04
1248	437701.22	3725480.39	2.62E-02	1.08E-03	5.39E-03	2.63E-04	2.80E-02	1.25E-03	3.20E-03	1.37E-04
1249	437758.62	3725463.16	2.61E-02	6.93E-04	5.26E-03	1.43E-04	2.79E-02	6.73E-04	3.02E-03	6.94E-05
1250	437755.45	3725478.41	2.32E-02	6.81E-04	4.69E-03	1.47E-04	2.48E-02	6.96E-04	2.71E-03	7.34E-05

1251	437743.71	3725484.39	2.31E-02	7.38E-04	4.68E-03	1.66E-04	2.46E-02	7.84E-04	2.72E-03	8.39E-05
1252	437731.98	3725490.37	2.26E-02	8.00E-04	4.60E-03	1.87E-04	2.41E-02	8.83E-04	2.70E-03	9.58E-05
1253	437713.98	3725494.3	2.27E-02	9.41E-04	4.67E-03	2.31E-04	2.43E-02	1.09E-03	2.78E-03	1.21E-04
1254	437701.47	3725490.19	2.42E-02	1.08E-03	4.99E-03	2.70E-04	2.59E-02	1.28E-03	2.99E-03	1.42E-04
1255	437688.96	3725486.07	2.56E-02	1.25E-03	5.31E-03	3.20E-04	2.74E-02	1.52E-03	3.22E-03	1.70E-04
1256	437766.24	3725469.64	2.36E-02	6.39E-04	4.76E-03	1.33E-04	2.52E-02	6.28E-04	2.74E-03	6.51E-05
1257	437762.94	3725484.96	2.12E-02	6.31E-04	4.29E-03	1.38E-04	2.26E-02	6.50E-04	2.48E-03	6.87E-05
1258	437750.96	3725491.06	2.12E-02	6.84E-04	4.29E-03	1.54E-04	2.26E-02	7.30E-04	2.50E-03	7.82E-05
1259	437738.98	3725497.17	2.08E-02	7.42E-04	4.25E-03	1.74E-04	2.23E-02	8.21E-04	2.50E-03	8.92E-05
1260	437727	3725503.27	2.04E-02	8.17E-04	4.19E-03	1.98E-04	2.19E-02	9.38E-04	2.49E-03	1.03E-04
1261	437714.62	3725504.22	2.10E-02	9.26E-04	4.32E-03	2.31E-04	2.24E-02	1.09E-03	2.59E-03	1.22E-04
1262	437701.85	3725500.03	2.24E-02	1.08E-03	4.65E-03	2.74E-04	2.40E-02	1.30E-03	2.81E-03	1.46E-04
1263	437689.07	3725495.83	2.41E-02	1.28E-03	5.02E-03	3.32E-04	2.58E-02	1.57E-03	3.07E-03	1.78E-04
1264	437676.3	3725491.63	2.60E-02	1.55E-03	5.48E-03	4.11E-04	2.80E-02	1.95E-03	3.39E-03	2.21E-04
1265	437773.85	3725476.12	2.14E-02	5.91E-04	4.32E-03	1.24E-04	2.29E-02	5.86E-04	2.49E-03	6.10E-05
1266	437770.46	3725491.49	1.94E-02	5.85E-04	3.93E-03	1.28E-04	2.07E-02	6.06E-04	2.28E-03	6.42E-05
1267	437758.29	3725497.69	1.94E-02	6.34E-04	3.95E-03	1.44E-04	2.08E-02	6.79E-04	2.30E-03	7.29E-05
1268	437746.12	3725503.89	1.93E-02	6.88E-04	3.93E-03	1.61E-04	2.06E-02	7.62E-04	2.31E-03	8.28E-05
1269	437733.95	3725510.09	1.90E-02	7.54E-04	3.89E-03	1.83E-04	2.03E-02	8.65E-04	2.31E-03	9.52E-05
1270	437715.29	3725514.16	1.94E-02	9.06E-04	4.01E-03	2.29E-04	2.08E-02	1.09E-03	2.42E-03	1.21E-04
1271	437702.31	3725509.9	2.09E-02	1.07E-03	4.35E-03	2.76E-04	2.24E-02	1.31E-03	2.65E-03	1.47E-04
1272	437689.33	3725505.63	2.27E-02	1.29E-03	4.75E-03	3.39E-04	2.43E-02	1.61E-03	2.93E-03	1.82E-04
1273	437676.36	3725501.37	2.51E-02	1.60E-03	5.30E-03	4.31E-04	2.69E-02	2.05E-03	3.31E-03	2.33E-04
1274	437781.47	3725482.6	1.95E-02	5.45E-04	3.93E-03	1.16E-04	2.08E-02	5.46E-04	2.27E-03	5.70E-05
1275	437791.31	3725471.04	1.98E-02	5.18E-04	3.99E-03	1.06E-04	2.11E-02	5.01E-04	2.29E-03	5.15E-05
1276	437778	3725498.01	1.78E-02	5.41E-04	3.60E-03	1.19E-04	1.90E-02	5.64E-04	2.09E-03	5.98E-05
1277	437765.68	3725504.29	1.79E-02	5.88E-04	3.64E-03	1.34E-04	1.91E-02	6.32E-04	2.13E-03	6.78E-05
1278	437753.36	3725510.57	1.78E-02	6.37E-04	3.63E-03	1.49E-04	1.90E-02	7.06E-04	2.14E-03	7.67E-05
1279	437741.03	3725516.84	1.76E-02	6.96E-04	3.61E-03	1.68E-04	1.88E-02	7.97E-04	2.14E-03	8.76E-05
1280	437728.71	3725523.12	1.74E-02	7.70E-04	3.59E-03	1.92E-04	1.86E-02	9.11E-04	2.15E-03	1.01E-04
1281	437715.98	3725524.11	1.80E-02	8.81E-04	3.73E-03	2.26E-04	1.93E-02	1.07E-03	2.26E-03	1.20E-04
1282	437702.84	3725519.79	1.95E-02	1.05E-03	4.07E-03	2.73E-04	2.09E-02	1.30E-03	2.49E-03	1.46E-04
1283	437689.7	3725515.47	2.14E-02	1.28E-03	4.49E-03	3.40E-04	2.29E-02	1.61E-03	2.79E-03	1.83E-04
1284	437676.56	3725511.16	2.40E-02	1.62E-03	5.10E-03	4.40E-04	2.58E-02	2.09E-03	3.21E-03	2.38E-04
1285	437789.08	3725489.09	1.77E-02	5.04E-04	3.58E-03	1.08E-04	1.89E-02	5.08E-04	2.07E-03	5.33E-05
1286	437798.92	3725477.53	1.80E-02	4.79E-04	3.62E-03	9.91E-05	1.92E-02	4.67E-04	2.08E-03	4.83E-05
1287	437785.55	3725504.52	1.63E-02	5.02E-04	3.31E-03	1.11E-04	1.74E-02	5.24E-04	1.92E-03	5.58E-05
1288	437773.11	3725510.86	1.65E-02	5.45E-04	3.36E-03	1.24E-04	1.77E-02	5.87E-04	1.96E-03	6.31E-05
1289	437760.66	3725517.21	1.65E-02	5.89E-04	3.37E-03	1.38E-04	1.76E-02	6.53E-04	1.98E-03	7.10E-05
1290	437748.21	3725523.55	1.64E-02	6.41E-04	3.35E-03	1.55E-04	1.75E-02	7.33E-04	1.99E-03	8.06E-05
1291	437735.76	3725529.89	1.62E-02	7.06E-04	3.34E-03	1.76E-04	1.73E-02	8.32E-04	2.00E-03	9.24E-05
1292	437716.68	3725534.05	1.67E-02	8.52E-04	3.48E-03	2.20E-04	1.79E-02	1.04E-03	2.12E-03	1.17E-04
1293	437703.41	3725529.69	1.82E-02	1.02E-03	3.81E-03	2.67E-04	1.95E-02	1.27E-03	2.34E-03	1.43E-04
1294	437690.13	3725525.33	2.00E-02	1.25E-03	4.23E-03	3.35E-04	2.15E-02	1.59E-03	2.64E-03	1.81E-04
1295	437676.86	3725520.97	2.27E-02	1.59E-03	4.85E-03	4.35E-04	2.45E-02	2.07E-03	3.07E-03	2.36E-04
1296	437663.59	3725516.61	2.71E-02	2.16E-03	5.84E-03	6.00E-04	2.92E-02	2.85E-03	3.77E-03	3.28E-04
1297	437796.7	3725495.57	1.62E-02	4.67E-04	3.28E-03	1.00E-04	1.73E-02	4.74E-04	1.90E-03	4.98E-05
1298	437806.54	3725484.01	1.64E-02	4.44E-04	3.31E-03	9.27E-05	1.75E-02	4.37E-04	1.90E-03	4.54E-05
1299	437800.69	3725517.53	1.38E-02	4.30E-04	2.81E-03	9.58E-05	1.48E-02	4.53E-04	1.63E-03	4.82E-05
1300	437788.05	3725523.97	1.42E-02	4.69E-04	2.88E-03	1.07E-04	1.51E-02	5.06E-04	1.68E-03	5.45E-05
1301	437775.41	3725530.41	1.42E-02	5.06E-04	2.90E-03	1.18E-04	1.52E-02	5.60E-04	1.71E-03	6.09E-05
1302	437762.77	3725536.85	1.42E-02	5.47E-04	2.91E-03	1.32E-04	1.52E-02	6.23E-04	1.72E-03	6.84E-05
1303	437750.13	3725543.29	1.41E-02	5.95E-04	2.90E-03	1.47E-04	1.51E-02	6.96E-04	1.73E-03	7.71E-05
1304	437737.49	3725549.73	1.40E-02	6.53E-04	2.89E-03	1.65E-04	1.50E-02	7.83E-04	1.75E-03	8.75E-05
1305	437718.11	3725553.96	1.45E-02	7.83E-04	3.03E-03	2.05E-04	1.55E-02	9.71E-04	1.86E-03	1.10E-04
1306	437704.64	3725549.53	1.58E-02	9.33E-04	3.32E-03	2.48E-04	1.69E-02	1.18E-03	2.06E-03	1.34E-04
1307	437691.16	3725545.11	1.75E-02	1.14E-03	3.70E-03	3.09E-04	1.88E-02	1.47E-03	2.32E-03	1.67E-04

1308	437677.68	3725540.68	1.99E-02	1.45E-03	4.25E-03	3.98E-04	2.14E-02	1.89E-03	2.70E-03	2.16E-04
1309	437664.21	3725536.25	2.36E-02	1.93E-03	5.10E-03	5.37E-04	2.54E-02	2.55E-03	3.30E-03	2.94E-04
1310	437650.73	3725531.82	3.00E-02	2.74E-03	6.55E-03	7.73E-04	3.24E-02	3.67E-03	4.31E-03	4.24E-04
1311	437811.93	3725508.53	1.37E-02	4.02E-04	2.77E-03	8.74E-05	1.46E-02	4.13E-04	1.61E-03	4.35E-05
1312	437821.77	3725496.97	1.38E-02	3.83E-04	2.78E-03	8.11E-05	1.47E-02	3.83E-04	1.60E-03	3.99E-05
1313	437815.85	3725530.53	1.18E-02	3.71E-04	2.40E-03	8.30E-05	1.26E-02	3.92E-04	1.40E-03	4.19E-05
1314	437803.07	3725537.04	1.22E-02	4.04E-04	2.48E-03	9.23E-05	1.30E-02	4.36E-04	1.45E-03	4.70E-05
1315	437790.29	3725543.56	1.23E-02	4.35E-04	2.51E-03	1.02E-04	1.32E-02	4.82E-04	1.48E-03	5.23E-05
1316	437777.51	3725550.07	1.23E-02	4.68E-04	2.53E-03	1.12E-04	1.32E-02	5.31E-04	1.49E-03	5.81E-05
1317	437764.73	3725556.58	1.23E-02	5.05E-04	2.53E-03	1.24E-04	1.31E-02	5.87E-04	1.51E-03	6.48E-05
1318	437751.95	3725563.09	1.22E-02	5.48E-04	2.52E-03	1.37E-04	1.31E-02	6.51E-04	1.52E-03	7.25E-05
1319	437739.17	3725569.6	1.21E-02	5.97E-04	2.52E-03	1.53E-04	1.30E-02	7.25E-04	1.53E-03	8.13E-05
1320	437719.58	3725573.88	1.26E-02	7.06E-04	2.64E-03	1.86E-04	1.35E-02	8.82E-04	1.62E-03	9.99E-05
1321	437705.95	3725569.4	1.37E-02	8.35E-04	2.88E-03	2.24E-04	1.47E-02	1.06E-03	1.79E-03	1.21E-04
1322	437692.32	3725564.92	1.51E-02	1.01E-03	3.20E-03	2.74E-04	1.62E-02	1.30E-03	2.01E-03	1.48E-04
1323	437678.7	3725560.45	1.69E-02	1.25E-03	3.63E-03	3.44E-04	1.82E-02	1.63E-03	2.31E-03	1.87E-04
1324	437665.07	3725555.97	1.97E-02	1.61E-03	4.26E-03	4.48E-04	2.13E-02	2.13E-03	2.76E-03	2.45E-04
1325	437651.44	3725551.49	2.41E-02	2.16E-03	5.26E-03	6.10E-04	2.60E-02	2.90E-03	3.45E-03	3.35E-04
1326	437637.82	3725547.02	3.14E-02	3.09E-03	6.92E-03	8.79E-04	3.40E-02	4.17E-03	4.61E-03	4.83E-04
1327	437827.16	3725521.5	1.17E-02	3.48E-04	2.36E-03	7.61E-05	1.25E-02	3.59E-04	1.37E-03	3.80E-05
1328	437837	3725509.94	1.17E-02	3.31E-04	2.36E-03	7.10E-05	1.24E-02	3.35E-04	1.36E-03	3.52E-05
1329	437779.48	3725569.79	1.08E-02	4.33E-04	2.22E-03	1.05E-04	1.15E-02	4.99E-04	1.32E-03	5.50E-05
1330	437766.59	3725576.36	1.07E-02	4.65E-04	2.21E-03	1.16E-04	1.15E-02	5.48E-04	1.33E-03	6.08E-05
1331	437753.7	3725582.92	1.07E-02	5.01E-04	2.21E-03	1.27E-04	1.14E-02	6.03E-04	1.34E-03	6.74E-05
1332	437740.81	3725589.49	1.06E-02	5.41E-04	2.21E-03	1.40E-04	1.14E-02	6.63E-04	1.35E-03	7.46E-05
1333	437721.06	3725593.8	1.09E-02	6.28E-04	2.29E-03	1.66E-04	1.17E-02	7.89E-04	1.42E-03	8.94E-05
1334	437707.31	3725589.29	1.18E-02	7.34E-04	2.50E-03	1.97E-04	1.27E-02	9.35E-04	1.56E-03	1.06E-04
1335	437693.57	3725584.77	1.29E-02	8.72E-04	2.74E-03	2.37E-04	1.39E-02	1.12E-03	1.73E-03	1.29E-04
1336	437679.83	3725580.26	1.43E-02	1.06E-03	3.07E-03	2.91E-04	1.54E-02	1.38E-03	1.96E-03	1.58E-04
1337	437666.09	3725575.74	1.63E-02	1.31E-03	3.52E-03	3.65E-04	1.76E-02	1.73E-03	2.27E-03	1.99E-04
1338	437652.35	3725571.23	1.91E-02	1.67E-03	4.17E-03	4.71E-04	2.07E-02	2.24E-03	2.73E-03	2.58E-04
1339	437638.61	3725566.71	2.34E-02	2.23E-03	5.15E-03	6.32E-04	2.54E-02	3.00E-03	3.41E-03	3.47E-04
1340	437624.87	3725562.2	3.05E-02	3.11E-03	6.76E-03	8.90E-04	3.30E-02	4.23E-03	4.53E-03	4.90E-04
1341	437846.21	3725556.51	8.83E-03	2.80E-04	1.79E-03	6.29E-05	9.43E-03	2.97E-04	1.05E-03	3.18E-05
1342	437833.24	3725563.12	9.11E-03	3.01E-04	1.85E-03	6.88E-05	9.73E-03	3.25E-04	1.09E-03	3.50E-05
1343	437820.27	3725569.73	9.33E-03	3.25E-04	1.90E-03	7.56E-05	9.97E-03	3.57E-04	1.12E-03	3.88E-05
1344	437755.41	3725602.78	9.32E-03	4.52E-04	1.94E-03	1.16E-04	9.99E-03	5.48E-04	1.17E-03	6.15E-05
1345	437742.44	3725609.39	9.20E-03	4.81E-04	1.92E-03	1.25E-04	9.87E-03	5.93E-04	1.17E-03	6.69E-05
1346	437722.55	3725613.73	9.39E-03	5.48E-04	1.98E-03	1.45E-04	1.01E-02	6.90E-04	1.22E-03	7.82E-05
1347	437708.72	3725609.18	1.01E-02	6.33E-04	2.14E-03	1.70E-04	1.09E-02	8.07E-04	1.34E-03	9.18E-05
1348	437694.88	3725604.64	1.10E-02	7.40E-04	2.34E-03	2.01E-04	1.18E-02	9.55E-04	1.47E-03	1.09E-04
1349	437681.05	3725600.09	1.21E-02	8.78E-04	2.58E-03	2.42E-04	1.30E-02	1.15E-03	1.65E-03	1.31E-04
1350	437667.22	3725595.55	1.34E-02	1.05E-03	2.89E-03	2.92E-04	1.44E-02	1.39E-03	1.86E-03	1.60E-04
1351	437653.39	3725591.01	1.51E-02	1.28E-03	3.29E-03	3.60E-04	1.64E-02	1.71E-03	2.14E-03	1.97E-04
1352	437639.56	3725586.46	1.76E-02	1.61E-03	3.86E-03	4.54E-04	1.91E-02	2.16E-03	2.54E-03	2.49E-04
1353	437625.73	3725581.92	2.12E-02	2.06E-03	4.66E-03	5.86E-04	2.29E-02	2.78E-03	3.10E-03	3.22E-04
1354	437611.89	3725577.37	2.66E-02	2.74E-03	5.89E-03	7.84E-04	2.88E-02	3.72E-03	3.96E-03	4.32E-04
1355	437857.62	3725547.42	8.68E-03	2.64E-04	1.76E-03	5.84E-05	9.27E-03	2.76E-04	1.02E-03	2.93E-05
1356	437867.46	3725535.86	8.63E-03	2.53E-04	1.75E-03	5.50E-05	9.21E-03	2.60E-04	1.01E-03	2.74E-05
1357	437861.41	3725569.49	7.70E-03	2.45E-04	1.57E-03	5.51E-05	8.23E-03	2.60E-04	9.15E-04	2.79E-05
1358	437848.37	3725576.13	7.93E-03	2.61E-04	1.61E-03	5.98E-05	8.47E-03	2.83E-04	9.45E-04	3.04E-05
1359	437809.24	3725596.07	8.39E-03	3.22E-04	1.72E-03	7.76E-05	8.97E-03	3.67E-04	1.02E-03	4.03E-05
1360	437796.2	3725602.71	8.38E-03	3.42E-04	1.72E-03	8.38E-05	8.97E-03	3.97E-04	1.03E-03	4.38E-05
1361	437724.05	3725633.65	8.11E-03	4.77E-04	1.71E-03	1.27E-04	8.71E-03	6.02E-04	1.06E-03	6.83E-05
1362	437710.14	3725629.09	8.68E-03	5.44E-04	1.84E-03	1.46E-04	9.33E-03	6.94E-04	1.15E-03	7.90E-05
1363	437696.24	3725624.52	9.34E-03	6.26E-04	1.99E-03	1.70E-04	1.00E-02	8.07E-04	1.25E-03	9.22E-05
1364	437682.33	3725619.95	1.01E-02	7.26E-04	2.16E-03	1.99E-04	1.09E-02	9.46E-04	1.38E-03	1.08E-04

1365	437668.43	3725615.38	1.10E-02	8.47E-04	2.37E-03	2.35E-04	1.19E-02	1.11E-03	1.52E-03	1.28E-04
1366	437654.52	3725610.81	1.21E-02	9.97E-04	2.63E-03	2.79E-04	1.31E-02	1.32E-03	1.70E-03	1.52E-04
1367	437640.62	3725606.25	1.36E-02	1.19E-03	2.96E-03	3.35E-04	1.47E-02	1.59E-03	1.94E-03	1.83E-04
1368	437626.71	3725601.68	1.55E-02	1.44E-03	3.39E-03	4.07E-04	1.67E-02	1.93E-03	2.24E-03	2.23E-04
1369	437612.81	3725597.11	1.79E-02	1.74E-03	3.94E-03	4.97E-04	1.93E-02	2.36E-03	2.62E-03	2.73E-04
1370	437872.85	3725560.39	7.59E-03	2.32E-04	1.54E-03	5.16E-05	8.10E-03	2.44E-04	8.97E-04	2.60E-05
1371	437882.69	3725548.83	7.52E-03	2.23E-04	1.52E-03	4.88E-05	8.03E-03	2.30E-04	8.86E-04	2.44E-05
1372	437824.22	3725609.16	7.35E-03	2.77E-04	1.51E-03	6.63E-05	7.86E-03	3.14E-04	8.93E-04	3.44E-05
1373	437811.12	3725615.84	7.37E-03	2.93E-04	1.51E-03	7.13E-05	7.88E-03	3.37E-04	9.01E-04	3.72E-05
1374	437798.02	3725622.51	7.34E-03	3.09E-04	1.51E-03	7.64E-05	7.86E-03	3.62E-04	9.06E-04	4.01E-05
1375	437784.93	3725629.18	7.29E-03	3.26E-04	1.51E-03	8.20E-05	7.81E-03	3.88E-04	9.08E-04	4.33E-05
1376	437771.83	3725635.86	7.21E-03	3.44E-04	1.50E-03	8.76E-05	7.73E-03	4.15E-04	9.07E-04	4.65E-05
1377	437758.73	3725642.53	7.09E-03	3.60E-04	1.48E-03	9.31E-05	7.61E-03	4.41E-04	9.03E-04	4.97E-05
1378	437711.59	3725649	7.46E-03	4.67E-04	1.58E-03	1.26E-04	8.02E-03	5.96E-04	9.87E-04	6.78E-05
1379	437697.62	3725644.41	7.95E-03	5.29E-04	1.69E-03	1.44E-04	8.55E-03	6.81E-04	1.07E-03	7.78E-05
1380	437683.66	3725639.82	8.52E-03	6.02E-04	1.82E-03	1.65E-04	9.18E-03	7.83E-04	1.16E-03	8.97E-05
1381	437669.69	3725635.23	9.17E-03	6.89E-04	1.97E-03	1.90E-04	9.88E-03	9.03E-04	1.26E-03	1.04E-04
1382	437888.08	3725573.35	6.71E-03	2.07E-04	1.36E-03	4.61E-05	7.17E-03	2.18E-04	7.95E-04	2.32E-05
1383	437897.92	3725561.79	6.62E-03	1.98E-04	1.34E-03	4.36E-05	7.07E-03	2.06E-04	7.82E-04	2.18E-05
1384	437891.81	3725595.44	6.10E-03	1.95E-04	1.24E-03	4.40E-05	6.51E-03	2.08E-04	7.26E-04	2.23E-05
1385	437878.67	3725602.14	6.22E-03	2.05E-04	1.27E-03	4.68E-05	6.65E-03	2.21E-04	7.43E-04	2.39E-05
1386	437865.52	3725608.84	6.32E-03	2.15E-04	1.29E-03	4.99E-05	6.75E-03	2.36E-04	7.58E-04	2.55E-05
1387	437812.94	3725635.63	6.55E-03	2.69E-04	1.35E-03	6.61E-05	7.01E-03	3.13E-04	8.06E-04	3.46E-05
1388	437799.8	3725642.33	6.53E-03	2.83E-04	1.35E-03	7.06E-05	6.99E-03	3.34E-04	8.10E-04	3.72E-05
1389	437786.65	3725649.03	6.46E-03	2.96E-04	1.34E-03	7.50E-05	6.92E-03	3.55E-04	8.08E-04	3.97E-05
1390	437773.51	3725655.73	6.35E-03	3.09E-04	1.32E-03	7.92E-05	6.81E-03	3.75E-04	8.02E-04	4.21E-05
1391	437760.36	3725662.42	6.23E-03	3.21E-04	1.30E-03	8.34E-05	6.69E-03	3.95E-04	7.96E-04	4.45E-05
1392	437747.22	3725669.12	6.10E-03	3.33E-04	1.28E-03	8.73E-05	6.54E-03	4.14E-04	7.86E-04	4.68E-05
1393	437903.31	3725586.31	5.95E-03	1.84E-04	1.21E-03	4.12E-05	6.35E-03	1.95E-04	7.06E-04	2.08E-05
1394	437913.15	3725574.75	5.86E-03	1.77E-04	1.19E-03	3.90E-05	6.26E-03	1.84E-04	6.93E-04	1.96E-05
1395	437907.02	3725608.42	5.42E-03	1.73E-04	1.10E-03	3.93E-05	5.79E-03	1.86E-04	6.46E-04	1.99E-05
1396	437893.84	3725615.14	5.57E-03	1.83E-04	1.14E-03	4.19E-05	5.95E-03	1.98E-04	6.66E-04	2.14E-05
1397	437880.65	3725621.85	5.68E-03	1.93E-04	1.16E-03	4.46E-05	6.07E-03	2.11E-04	6.81E-04	2.28E-05
1398	437854.28	3725635.29	5.84E-03	2.14E-04	1.20E-03	5.08E-05	6.25E-03	2.41E-04	7.08E-04	2.63E-05
1399	437841.1	3725642.01	5.89E-03	2.26E-04	1.21E-03	5.43E-05	6.30E-03	2.57E-04	7.18E-04	2.82E-05
1400	437827.91	3725648.73	5.91E-03	2.37E-04	1.22E-03	5.80E-05	6.33E-03	2.75E-04	7.25E-04	3.03E-05
1401	437775.17	3725675.6	5.65E-03	2.79E-04	1.18E-03	7.19E-05	6.05E-03	3.41E-04	7.16E-04	3.83E-05
1402	437761.98	3725682.32	5.52E-03	2.88E-04	1.15E-03	7.50E-05	5.92E-03	3.55E-04	7.07E-04	4.01E-05
1403	437748.8	3725689.04	5.38E-03	2.95E-04	1.13E-03	7.76E-05	5.77E-03	3.68E-04	6.95E-04	4.16E-05
1404	437587.99	3725647.26	8.69E-03	7.89E-04	1.90E-03	2.23E-04	9.39E-03	1.06E-03	1.25E-03	1.22E-04
1405	437573.93	3725642.65	8.79E-03	8.16E-04	1.93E-03	2.31E-04	9.51E-03	1.10E-03	1.28E-03	1.27E-04
1406	437559.87	3725638.03	8.75E-03	8.25E-04	1.92E-03	2.34E-04	9.47E-03	1.11E-03	1.28E-03	1.29E-04
1407	437918.54	3725599.28	5.32E-03	1.65E-04	1.08E-03	3.71E-05	5.68E-03	1.75E-04	6.31E-04	1.87E-05
1408	437928.38	3725587.72	5.24E-03	1.59E-04	1.06E-03	3.52E-05	5.59E-03	1.66E-04	6.20E-04	1.77E-05
1409	437922.24	3725621.39	4.89E-03	1.57E-04	9.96E-04	3.55E-05	5.22E-03	1.68E-04	5.83E-04	1.80E-05
1410	437909.01	3725628.13	5.02E-03	1.65E-04	1.02E-03	3.78E-05	5.37E-03	1.79E-04	6.01E-04	1.93E-05
1411	437895.79	3725634.86	5.13E-03	1.74E-04	1.05E-03	4.02E-05	5.48E-03	1.90E-04	6.15E-04	2.05E-05
1412	437869.35	3725648.34	5.28E-03	1.91E-04	1.08E-03	4.54E-05	5.64E-03	2.15E-04	6.39E-04	2.34E-05
1413	437856.13	3725655.07	5.32E-03	2.01E-04	1.09E-03	4.82E-05	5.69E-03	2.28E-04	6.47E-04	2.50E-05
1414	437842.91	3725661.81	5.35E-03	2.11E-04	1.10E-03	5.13E-05	5.72E-03	2.43E-04	6.55E-04	2.67E-05
1415	437829.69	3725668.55	5.35E-03	2.21E-04	1.10E-03	5.43E-05	5.72E-03	2.57E-04	6.59E-04	2.85E-05
1416	437816.47	3725675.28	5.30E-03	2.29E-04	1.10E-03	5.72E-05	5.68E-03	2.71E-04	6.58E-04	3.01E-05
1417	437776.81	3725695.49	5.04E-03	2.53E-04	1.05E-03	6.53E-05	5.41E-03	3.10E-04	6.41E-04	3.48E-05
1418	437763.59	3725702.23	4.91E-03	2.59E-04	1.03E-03	6.75E-05	5.27E-03	3.20E-04	6.31E-04	3.61E-05
1419	437750.37	3725708.97	4.80E-03	2.65E-04	1.01E-03	6.97E-05	5.15E-03	3.30E-04	6.21E-04	3.74E-05
1420	437589.13	3725667.08	6.92E-03	6.03E-04	1.51E-03	1.70E-04	7.48E-03	8.06E-04	9.89E-04	9.31E-05
1421	437575.04	3725662.45	7.02E-03	6.26E-04	1.53E-03	1.77E-04	7.59E-03	8.38E-04	1.01E-03	9.69E-05

1422	437560.94	3725657.81	7.04E-03	6.39E-04	1.54E-03	1.81E-04	7.61E-03	8.57E-04	1.02E-03	9.91E-05
1423	437546.84	3725653.18	6.81E-03	6.26E-04	1.49E-03	1.77E-04	7.37E-03	8.41E-04	9.88E-04	9.73E-05
1424	437933.77	3725612.24	4.78E-03	1.49E-04	9.72E-04	3.35E-05	5.10E-03	1.58E-04	5.68E-04	1.69E-05
1425	437943.61	3725600.68	4.71E-03	1.44E-04	9.57E-04	3.20E-05	5.03E-03	1.51E-04	5.58E-04	1.61E-05
1426	437937.45	3725634.36	4.43E-03	1.42E-04	9.02E-04	3.22E-05	4.73E-03	1.52E-04	5.28E-04	1.64E-05
1427	437924.2	3725641.11	4.57E-03	1.50E-04	9.32E-04	3.44E-05	4.89E-03	1.63E-04	5.47E-04	1.76E-05
1428	437910.95	3725647.87	4.68E-03	1.58E-04	9.55E-04	3.66E-05	5.00E-03	1.73E-04	5.62E-04	1.87E-05
1429	437884.45	3725661.37	4.81E-03	1.73E-04	9.84E-04	4.09E-05	5.14E-03	1.93E-04	5.81E-04	2.11E-05
1430	437871.2	3725668.12	4.85E-03	1.81E-04	9.95E-04	4.33E-05	5.19E-03	2.05E-04	5.90E-04	2.24E-05
1431	437857.94	3725674.87	4.88E-03	1.89E-04	1.00E-03	4.58E-05	5.22E-03	2.17E-04	5.96E-04	2.39E-05
1432	437844.69	3725681.63	4.88E-03	1.97E-04	1.00E-03	4.83E-05	5.22E-03	2.29E-04	6.00E-04	2.53E-05
1433	437831.44	3725688.38	4.85E-03	2.05E-04	1.00E-03	5.08E-05	5.19E-03	2.41E-04	6.00E-04	2.67E-05
1434	437791.69	3725708.63	4.65E-03	2.25E-04	9.68E-04	5.78E-05	4.99E-03	2.74E-04	5.88E-04	3.07E-05
1435	437778.44	3725715.39	4.52E-03	2.29E-04	9.44E-04	5.94E-05	4.85E-03	2.81E-04	5.77E-04	3.17E-05
1436	437562.07	3725677.62	5.70E-03	4.97E-04	1.24E-03	1.40E-04	6.16E-03	6.65E-04	8.15E-04	7.68E-05
1437	437547.94	3725672.98	5.57E-03	4.93E-04	1.22E-03	1.39E-04	6.02E-03	6.61E-04	8.01E-04	7.63E-05
1438	437533.81	3725668.34	5.37E-03	4.80E-04	1.17E-03	1.36E-04	5.81E-03	6.44E-04	7.74E-04	7.44E-05
1439	437949	3725625.21	4.33E-03	1.36E-04	8.81E-04	3.06E-05	4.62E-03	1.44E-04	5.15E-04	1.55E-05
1440	437958.84	3725613.65	4.26E-03	1.31E-04	8.66E-04	2.92E-05	4.55E-03	1.38E-04	5.06E-04	1.47E-05
1441	437960.27	3725653.82	3.84E-03	1.24E-04	7.83E-04	2.81E-05	4.11E-03	1.33E-04	4.59E-04	1.43E-05
1442	437946.98	3725660.59	3.96E-03	1.30E-04	8.09E-04	2.99E-05	4.24E-03	1.41E-04	4.75E-04	1.52E-05
1443	437933.69	3725667.36	4.07E-03	1.37E-04	8.31E-04	3.17E-05	4.35E-03	1.50E-04	4.89E-04	1.62E-05
1444	437907.12	3725680.9	4.21E-03	1.50E-04	8.63E-04	3.54E-05	4.51E-03	1.67E-04	5.10E-04	1.82E-05
1445	437893.83	3725687.68	4.25E-03	1.56E-04	8.72E-04	3.73E-05	4.55E-03	1.76E-04	5.17E-04	1.93E-05
1446	437880.54	3725694.45	4.27E-03	1.63E-04	8.78E-04	3.91E-05	4.57E-03	1.85E-04	5.21E-04	2.03E-05
1447	437867.25	3725701.22	4.28E-03	1.69E-04	8.80E-04	4.11E-05	4.58E-03	1.95E-04	5.25E-04	2.14E-05
1448	437853.96	3725707.99	4.27E-03	1.75E-04	8.80E-04	4.31E-05	4.57E-03	2.04E-04	5.27E-04	2.26E-05
1449	437814.09	3725728.31	4.14E-03	1.92E-04	8.60E-04	4.88E-05	4.44E-03	2.31E-04	5.21E-04	2.58E-05
1450	437800.8	3725735.08	4.04E-03	1.95E-04	8.41E-04	5.00E-05	4.33E-03	2.37E-04	5.11E-04	2.66E-05
1451	437521.34	3725693.4	4.02E-03	3.45E-04	8.77E-04	9.70E-05	4.35E-03	4.60E-04	5.74E-04	5.31E-05
1452	437971.84	3725644.65	3.75E-03	1.18E-04	7.64E-04	2.67E-05	4.01E-03	1.26E-04	4.47E-04	1.35E-05
1453	437981.68	3725633.09	3.69E-03	1.14E-04	7.51E-04	2.55E-05	3.94E-03	1.21E-04	4.39E-04	1.29E-05
1454	437983.1	3725673.27	3.38E-03	1.09E-04	6.88E-04	2.48E-05	3.61E-03	1.17E-04	4.04E-04	1.26E-05
1455	437969.78	3725680.06	3.48E-03	1.14E-04	7.10E-04	2.62E-05	3.72E-03	1.24E-04	4.17E-04	1.34E-05
1456	437956.46	3725686.85	3.56E-03	1.20E-04	7.28E-04	2.77E-05	3.81E-03	1.31E-04	4.28E-04	1.41E-05
1457	437929.81	3725700.42	3.69E-03	1.30E-04	7.55E-04	3.06E-05	3.94E-03	1.45E-04	4.46E-04	1.58E-05
1458	437916.49	3725707.21	3.73E-03	1.35E-04	7.64E-04	3.21E-05	3.99E-03	1.52E-04	4.52E-04	1.66E-05
1459	437903.17	3725714	3.75E-03	1.40E-04	7.70E-04	3.36E-05	4.01E-03	1.59E-04	4.57E-04	1.74E-05
1460	437889.85	3725720.79	3.76E-03	1.45E-04	7.73E-04	3.52E-05	4.02E-03	1.66E-04	4.60E-04	1.83E-05
1461	437876.52	3725727.58	3.76E-03	1.50E-04	7.74E-04	3.67E-05	4.02E-03	1.74E-04	4.62E-04	1.92E-05
1462	437836.55	3725747.95	3.69E-03	1.65E-04	7.64E-04	4.14E-05	3.95E-03	1.96E-04	4.61E-04	2.19E-05
1463	437823.23	3725754.73	3.62E-03	1.68E-04	7.51E-04	4.26E-05	3.88E-03	2.02E-04	4.55E-04	2.26E-05
1464	437494.7	3725713.8	2.99E-03	2.47E-04	6.50E-04	6.92E-05	3.23E-03	3.28E-04	4.24E-04	3.79E-05
1465	437994.68	3725664.1	3.29E-03	1.04E-04	6.71E-04	2.36E-05	3.52E-03	1.11E-04	3.93E-04	1.20E-05
1466	438004.52	3725652.54	3.24E-03	1.01E-04	6.60E-04	2.26E-05	3.46E-03	1.07E-04	3.86E-04	1.14E-05
1467	438005.93	3725692.72	2.99E-03	9.64E-05	6.09E-04	2.20E-05	3.19E-03	1.04E-04	3.58E-04	1.12E-05
1468	437992.58	3725699.53	3.07E-03	1.01E-04	6.28E-04	2.32E-05	3.29E-03	1.10E-04	3.69E-04	1.18E-05
1469	437979.23	3725706.33	3.15E-03	1.06E-04	6.43E-04	2.44E-05	3.37E-03	1.15E-04	3.79E-04	1.25E-05
1470	437952.53	3725719.93	3.26E-03	1.14E-04	6.66E-04	2.68E-05	3.48E-03	1.27E-04	3.93E-04	1.38E-05
1471	437939.18	3725726.74	3.29E-03	1.18E-04	6.75E-04	2.80E-05	3.52E-03	1.32E-04	3.99E-04	1.44E-05
1472	437925.83	3725733.54	3.31E-03	1.22E-04	6.80E-04	2.92E-05	3.55E-03	1.38E-04	4.03E-04	1.51E-05
1473	437912.48	3725740.34	3.33E-03	1.26E-04	6.84E-04	3.04E-05	3.56E-03	1.44E-04	4.07E-04	1.58E-05
1474	437899.13	3725747.14	3.33E-03	1.30E-04	6.86E-04	3.17E-05	3.57E-03	1.50E-04	4.09E-04	1.65E-05
1475	437859.08	3725767.55	3.29E-03	1.42E-04	6.81E-04	3.55E-05	3.52E-03	1.68E-04	4.10E-04	1.87E-05
1476	437845.73	3725774.36	3.24E-03	1.45E-04	6.72E-04	3.65E-05	3.47E-03	1.73E-04	4.06E-04	1.93E-05
1477	437468.02	3725734.19	2.25E-03	1.78E-04	4.88E-04	4.98E-05	2.43E-03	2.36E-04	3.17E-04	2.72E-05
1478	438017.53	3725683.54	2.92E-03	9.27E-05	5.95E-04	2.10E-05	3.12E-03	9.93E-05	3.49E-04	1.07E-05

1479	438027.37	3725671.98	2.87E-03	8.97E-05	5.84E-04	2.02E-05	3.06E-03	9.55E-05	3.42E-04	1.02E-05
1480	437975.27	3725739.43	2.90E-03	1.01E-04	5.93E-04	2.36E-05	3.10E-03	1.12E-04	3.50E-04	1.22E-05
1481	437961.9	3725746.25	2.94E-03	1.05E-04	6.02E-04	2.47E-05	3.14E-03	1.17E-04	3.56E-04	1.27E-05
1482	437948.52	3725753.06	2.96E-03	1.08E-04	6.07E-04	2.57E-05	3.17E-03	1.22E-04	3.60E-04	1.33E-05
1483	437935.15	3725759.88	2.98E-03	1.11E-04	6.11E-04	2.67E-05	3.18E-03	1.26E-04	3.63E-04	1.39E-05
1484	437921.77	3725766.69	2.98E-03	1.15E-04	6.14E-04	2.78E-05	3.19E-03	1.31E-04	3.65E-04	1.45E-05
1485	437881.65	3725787.14	2.95E-03	1.24E-04	6.09E-04	3.07E-05	3.16E-03	1.46E-04	3.66E-04	1.62E-05
1486	437868.28	3725793.95	2.92E-03	1.27E-04	6.04E-04	3.17E-05	3.13E-03	1.50E-04	3.64E-04	1.67E-05
1487	437484.09	3725768.62	1.99E-03	1.51E-04	4.30E-04	4.18E-05	2.15E-03	1.99E-04	2.77E-04	2.28E-05
1488	437469.83	3725763.93	1.91E-03	1.45E-04	4.12E-04	4.02E-05	2.06E-03	1.91E-04	2.66E-04	2.19E-05
1489	437455.57	3725759.25	1.83E-03	1.39E-04	3.96E-04	3.86E-05	1.98E-03	1.83E-04	2.55E-04	2.11E-05
1490	438040.37	3725702.99	2.60E-03	8.29E-05	5.31E-04	1.88E-05	2.78E-03	8.91E-05	3.11E-04	9.57E-06
1491	438050.21	3725691.43	2.55E-03	8.02E-05	5.20E-04	1.81E-05	2.73E-03	8.56E-05	3.05E-04	9.18E-06
1492	438051.6	3725731.63	2.38E-03	7.70E-05	4.85E-04	1.76E-05	2.54E-03	8.33E-05	2.85E-04	8.97E-06
1493	438038.21	3725738.45	2.44E-03	8.02E-05	4.99E-04	1.84E-05	2.61E-03	8.72E-05	2.93E-04	9.42E-06
1494	437998.02	3725758.93	2.59E-03	8.97E-05	5.30E-04	2.10E-05	2.77E-03	9.93E-05	3.13E-04	1.08E-05
1495	437984.63	3725765.75	2.62E-03	9.26E-05	5.37E-04	2.18E-05	2.80E-03	1.03E-04	3.18E-04	1.13E-05
1496	437971.23	3725772.58	2.65E-03	9.56E-05	5.43E-04	2.27E-05	2.83E-03	1.07E-04	3.22E-04	1.17E-05
1497	437957.84	3725779.4	2.67E-03	9.86E-05	5.47E-04	2.36E-05	2.85E-03	1.12E-04	3.25E-04	1.22E-05
1498	437944.44	3725786.23	2.68E-03	1.02E-04	5.51E-04	2.45E-05	2.87E-03	1.16E-04	3.28E-04	1.27E-05
1499	437904.26	3725806.71	2.66E-03	1.09E-04	5.50E-04	2.70E-05	2.85E-03	1.28E-04	3.30E-04	1.42E-05
1500	437890.86	3725813.53	2.64E-03	1.12E-04	5.46E-04	2.77E-05	2.83E-03	1.31E-04	3.28E-04	1.46E-05
1501	437500.27	3725803.09	1.76E-03	1.28E-04	3.79E-04	3.52E-05	1.90E-03	1.67E-04	2.43E-04	1.92E-05
1502	437485.98	3725798.4	1.70E-03	1.24E-04	3.66E-04	3.41E-05	1.84E-03	1.62E-04	2.35E-04	1.86E-05
1503	437471.7	3725793.7	1.64E-03	1.19E-04	3.53E-04	3.29E-05	1.77E-03	1.56E-04	2.26E-04	1.79E-05
1504	437457.42	3725789.01	1.59E-03	1.15E-04	3.41E-04	3.19E-05	1.71E-03	1.51E-04	2.19E-04	1.74E-05
1505	437443.13	3725784.32	1.53E-03	1.11E-04	3.29E-04	3.08E-05	1.65E-03	1.46E-04	2.11E-04	1.68E-05
1506	437428.85	3725779.63	1.47E-03	1.07E-04	3.17E-04	2.96E-05	1.59E-03	1.41E-04	2.04E-04	1.61E-05
1507	438063.22	3725722.43	2.33E-03	7.45E-05	4.75E-04	1.69E-05	2.49E-03	8.01E-05	2.79E-04	8.61E-06
1508	438073.06	3725710.87	2.29E-03	7.23E-05	4.68E-04	1.64E-05	2.45E-03	7.74E-05	2.74E-04	8.31E-06
1509	438020.78	3725778.41	2.32E-03	8.01E-05	4.76E-04	1.87E-05	2.48E-03	8.86E-05	2.81E-04	9.62E-06
1510	438007.37	3725785.25	2.35E-03	8.26E-05	4.82E-04	1.94E-05	2.52E-03	9.20E-05	2.85E-04	1.00E-05
1511	437993.96	3725792.08	2.38E-03	8.52E-05	4.88E-04	2.02E-05	2.54E-03	9.55E-05	2.89E-04	1.04E-05
1512	437980.54	3725798.92	2.40E-03	8.77E-05	4.92E-04	2.09E-05	2.57E-03	9.90E-05	2.92E-04	1.08E-05
1513	437967.13	3725805.75	2.41E-03	9.02E-05	4.96E-04	2.17E-05	2.58E-03	1.03E-04	2.95E-04	1.12E-05
1514	437953.72	3725812.59	2.42E-03	9.27E-05	4.98E-04	2.24E-05	2.59E-03	1.06E-04	2.97E-04	1.17E-05
1515	437940.3	3725819.42	2.42E-03	9.51E-05	4.99E-04	2.32E-05	2.59E-03	1.10E-04	2.98E-04	1.21E-05
1516	437926.89	3725826.26	2.42E-03	9.73E-05	4.99E-04	2.39E-05	2.59E-03	1.13E-04	2.98E-04	1.25E-05
1517	437913.48	3725833.09	2.40E-03	9.93E-05	4.97E-04	2.45E-05	2.58E-03	1.16E-04	2.98E-04	1.29E-05
1518	437530.84	3725842.28	1.60E-03	1.10E-04	3.43E-04	3.02E-05	1.73E-03	1.43E-04	2.18E-04	1.64E-05
1519	437502.23	3725832.89	1.51E-03	1.05E-04	3.25E-04	2.89E-05	1.63E-03	1.37E-04	2.07E-04	1.57E-05
1520	437487.93	3725828.19	1.47E-03	1.03E-04	3.16E-04	2.83E-05	1.59E-03	1.34E-04	2.02E-04	1.54E-05
1521	437473.63	3725823.49	1.43E-03	9.99E-05	3.06E-04	2.75E-05	1.54E-03	1.30E-04	1.95E-04	1.49E-05
1522	437459.32	3725818.79	1.39E-03	9.72E-05	2.97E-04	2.67E-05	1.49E-03	1.27E-04	1.90E-04	1.45E-05
1523	437445.02	3725814.09	1.34E-03	9.43E-05	2.88E-04	2.59E-05	1.45E-03	1.23E-04	1.84E-04	1.41E-05
1524	437430.72	3725809.39	1.30E-03	9.14E-05	2.80E-04	2.51E-05	1.40E-03	1.19E-04	1.79E-04	1.37E-05
1525	437416.42	3725804.7	1.26E-03	8.83E-05	2.71E-04	2.43E-05	1.36E-03	1.15E-04	1.73E-04	1.32E-05
1526	438097.27	3725770.53	1.92E-03	6.25E-05	3.93E-04	1.43E-05	2.06E-03	6.77E-05	2.31E-04	7.30E-06
1527	438083.84	3725777.37	1.97E-03	6.49E-05	4.03E-04	1.49E-05	2.11E-03	7.06E-05	2.38E-04	7.63E-06
1528	437976.41	3725832.11	2.19E-03	8.28E-05	4.51E-04	2.00E-05	2.35E-03	9.45E-05	2.68E-04	1.04E-05
1529	437962.98	3725838.96	2.20E-03	8.49E-05	4.52E-04	2.06E-05	2.35E-03	9.75E-05	2.70E-04	1.07E-05
1530	437949.55	3725845.8	2.20E-03	8.68E-05	4.53E-04	2.12E-05	2.35E-03	1.00E-04	2.71E-04	1.11E-05
1531	437936.12	3725852.64	2.19E-03	8.86E-05	4.51E-04	2.18E-05	2.34E-03	1.03E-04	2.70E-04	1.14E-05
1532	437547.19	3725876.81	1.42E-03	9.35E-05	3.03E-04	2.55E-05	1.53E-03	1.21E-04	1.92E-04	1.38E-05
1533	437532.87	3725872.11	1.39E-03	9.20E-05	2.96E-04	2.51E-05	1.49E-03	1.19E-04	1.88E-04	1.36E-05
1534	437518.56	3725867.4	1.36E-03	9.05E-05	2.90E-04	2.47E-05	1.46E-03	1.17E-04	1.84E-04	1.34E-05
1535	437504.24	3725862.7	1.32E-03	8.88E-05	2.83E-04	2.42E-05	1.43E-03	1.15E-04	1.80E-04	1.32E-05

1536	437489.92	3725858	1.29E-03	8.69E-05	2.76E-04	2.38E-05	1.39E-03	1.13E-04	1.75E-04	1.29E-05
1537	437461.28	3725848.59	1.22E-03	8.28E-05	2.62E-04	2.26E-05	1.32E-03	1.07E-04	1.66E-04	1.23E-05
1538	437446.96	3725843.88	1.19E-03	8.06E-05	2.55E-04	2.20E-05	1.28E-03	1.05E-04	1.62E-04	1.20E-05
1539	437432.64	3725839.18	1.16E-03	7.83E-05	2.47E-04	2.14E-05	1.25E-03	1.02E-04	1.57E-04	1.16E-05
1540	437418.32	3725834.47	1.12E-03	7.61E-05	2.41E-04	2.08E-05	1.21E-03	9.88E-05	1.53E-04	1.13E-05
1541	437404	3725829.77	1.09E-03	7.36E-05	2.33E-04	2.01E-05	1.17E-03	9.55E-05	1.48E-04	1.09E-05
1542	438108.91	3725761.32	1.89E-03	6.06E-05	3.85E-04	1.38E-05	2.02E-03	6.54E-05	2.27E-04	7.04E-06
1543	438118.75	3725749.76	1.87E-03	5.92E-05	3.81E-04	1.35E-05	1.99E-03	6.37E-05	2.24E-04	6.84E-06
1544	438120.11	3725789.97	1.75E-03	5.68E-05	3.57E-04	1.30E-05	1.87E-03	6.16E-05	2.10E-04	6.65E-06
1545	438106.67	3725796.82	1.79E-03	5.88E-05	3.66E-04	1.36E-05	1.91E-03	6.41E-05	2.16E-04	6.92E-06
1546	438093.22	3725803.67	1.83E-03	6.09E-05	3.74E-04	1.41E-05	1.96E-03	6.66E-05	2.21E-04	7.20E-06
1547	438079.78	3725810.53	1.86E-03	6.28E-05	3.81E-04	1.46E-05	1.99E-03	6.91E-05	2.25E-04	7.49E-06
1548	438066.33	3725817.38	1.90E-03	6.48E-05	3.88E-04	1.51E-05	2.03E-03	7.16E-05	2.29E-04	7.78E-06
1549	438052.89	3725824.23	1.93E-03	6.69E-05	3.94E-04	1.57E-05	2.06E-03	7.43E-05	2.33E-04	8.08E-06
1550	438039.45	3725831.08	1.95E-03	6.89E-05	4.00E-04	1.63E-05	2.09E-03	7.69E-05	2.37E-04	8.39E-06
1551	438026	3725837.93	1.97E-03	7.08E-05	4.04E-04	1.68E-05	2.11E-03	7.95E-05	2.40E-04	8.69E-06
1552	437606.62	3725925.49	1.34E-03	8.23E-05	2.84E-04	2.22E-05	1.44E-03	1.05E-04	1.78E-04	1.20E-05
1553	437592.28	3725920.78	1.32E-03	8.17E-05	2.79E-04	2.21E-05	1.42E-03	1.05E-04	1.76E-04	1.19E-05
1554	437577.95	3725916.07	1.30E-03	8.13E-05	2.75E-04	2.20E-05	1.39E-03	1.04E-04	1.73E-04	1.19E-05
1555	437549.28	3725906.65	1.25E-03	7.97E-05	2.66E-04	2.16E-05	1.35E-03	1.03E-04	1.68E-04	1.17E-05
1556	437534.94	3725901.94	1.22E-03	7.84E-05	2.60E-04	2.13E-05	1.32E-03	1.01E-04	1.64E-04	1.15E-05
1557	437520.61	3725897.23	1.19E-03	7.71E-05	2.55E-04	2.09E-05	1.29E-03	9.94E-05	1.61E-04	1.14E-05
1558	437506.27	3725892.52	1.17E-03	7.58E-05	2.49E-04	2.06E-05	1.26E-03	9.77E-05	1.58E-04	1.12E-05
1559	437491.94	3725887.81	1.14E-03	7.45E-05	2.44E-04	2.03E-05	1.23E-03	9.61E-05	1.54E-04	1.10E-05
1560	437477.6	3725883.1	1.12E-03	7.31E-05	2.39E-04	1.99E-05	1.20E-03	9.44E-05	1.51E-04	1.08E-05
1561	437463.27	3725878.4	1.09E-03	7.15E-05	2.33E-04	1.95E-05	1.18E-03	9.24E-05	1.48E-04	1.06E-05
1562	437448.93	3725873.69	1.06E-03	6.98E-05	2.27E-04	1.90E-05	1.15E-03	9.02E-05	1.44E-04	1.03E-05
1563	437420.27	3725864.27	1.01E-03	6.61E-05	2.15E-04	1.80E-05	1.09E-03	8.54E-05	1.36E-04	9.77E-06
1564	437405.93	3725859.56	9.80E-04	6.41E-05	2.09E-04	1.75E-05	1.06E-03	8.28E-05	1.33E-04	9.47E-06
1565	437391.6	3725854.85	9.50E-04	6.19E-05	2.03E-04	1.69E-05	1.02E-03	8.00E-05	1.29E-04	9.15E-06
1566	438131.75	3725780.77	1.72E-03	5.53E-05	3.51E-04	1.26E-05	1.84E-03	5.97E-05	2.06E-04	6.43E-06
1567	438141.59	3725769.21	1.70E-03	5.42E-05	3.47E-04	1.23E-05	1.82E-03	5.83E-05	2.04E-04	6.27E-06
1568	438142.95	3725809.42	1.59E-03	5.19E-05	3.26E-04	1.19E-05	1.71E-03	5.64E-05	1.92E-04	6.09E-06
1569	438129.49	3725816.28	1.63E-03	5.36E-05	3.33E-04	1.24E-05	1.74E-03	5.85E-05	1.96E-04	6.32E-06
1570	438116.03	3725823.14	1.67E-03	5.54E-05	3.41E-04	1.28E-05	1.78E-03	6.07E-05	2.01E-04	6.57E-06
1571	438102.58	3725829.99	1.70E-03	5.73E-05	3.48E-04	1.33E-05	1.82E-03	6.30E-05	2.06E-04	6.83E-06
1572	438089.12	3725836.85	1.73E-03	5.91E-05	3.55E-04	1.38E-05	1.85E-03	6.53E-05	2.10E-04	7.08E-06
1573	438075.66	3725843.71	1.76E-03	6.08E-05	3.60E-04	1.43E-05	1.88E-03	6.74E-05	2.13E-04	7.33E-06
1574	438062.21	3725850.56	1.78E-03	6.25E-05	3.64E-04	1.47E-05	1.90E-03	6.97E-05	2.16E-04	7.59E-06
1575	438048.75	3725857.42	1.80E-03	6.41E-05	3.68E-04	1.52E-05	1.92E-03	7.19E-05	2.18E-04	7.85E-06
1576	438035.3	3725864.28	1.81E-03	6.58E-05	3.72E-04	1.57E-05	1.94E-03	7.42E-05	2.21E-04	8.11E-06
1577	438021.84	3725871.14	1.82E-03	6.74E-05	3.74E-04	1.61E-05	1.95E-03	7.64E-05	2.23E-04	8.37E-06
1578	438008.38	3725877.99	1.83E-03	6.89E-05	3.76E-04	1.66E-05	1.96E-03	7.86E-05	2.24E-04	8.63E-06
1579	437994.93	3725884.85	1.83E-03	7.04E-05	3.77E-04	1.71E-05	1.96E-03	8.08E-05	2.25E-04	8.89E-06
1580	437623.13	3725960.06	1.23E-03	7.30E-05	2.60E-04	1.96E-05	1.32E-03	9.28E-05	1.63E-04	1.06E-05
1581	437608.78	3725955.35	1.21E-03	7.25E-05	2.56E-04	1.95E-05	1.30E-03	9.23E-05	1.60E-04	1.05E-05
1582	437594.43	3725950.64	1.19E-03	7.18E-05	2.52E-04	1.93E-05	1.28E-03	9.16E-05	1.58E-04	1.04E-05
1583	437580.08	3725945.92	1.16E-03	7.11E-05	2.47E-04	1.91E-05	1.25E-03	9.08E-05	1.55E-04	1.03E-05
1584	437565.73	3725941.21	1.14E-03	7.03E-05	2.43E-04	1.90E-05	1.23E-03	9.00E-05	1.52E-04	1.03E-05
1585	437551.38	3725936.5	1.12E-03	6.95E-05	2.38E-04	1.88E-05	1.21E-03	8.90E-05	1.50E-04	1.01E-05
1586	437508.34	3725922.36	1.05E-03	6.62E-05	2.24E-04	1.79E-05	1.13E-03	8.50E-05	1.41E-04	9.70E-06
1587	437493.99	3725917.64	1.03E-03	6.50E-05	2.19E-04	1.76E-05	1.11E-03	8.35E-05	1.38E-04	9.53E-06
1588	437479.64	3725912.93	1.01E-03	6.38E-05	2.14E-04	1.73E-05	1.08E-03	8.20E-05	1.35E-04	9.36E-06
1589	437465.29	3725908.21	9.84E-04	6.25E-05	2.10E-04	1.69E-05	1.06E-03	8.04E-05	1.32E-04	9.18E-06
1590	437450.94	3725903.5	9.62E-04	6.12E-05	2.05E-04	1.66E-05	1.04E-03	7.87E-05	1.29E-04	8.99E-06
1591	437436.6	3725898.79	9.38E-04	5.97E-05	2.00E-04	1.62E-05	1.01E-03	7.68E-05	1.26E-04	8.77E-06
1592	437422.25	3725894.07	9.14E-04	5.81E-05	1.95E-04	1.58E-05	9.84E-04	7.48E-05	1.23E-04	8.54E-06

1593	437407.9	3725889.36	8.89E-04	5.64E-05	1.89E-04	1.53E-05	9.57E-04	7.26E-05	1.20E-04	8.29E-06
1594	437364.85	3725875.22	8.05E-04	5.05E-05	1.72E-04	1.37E-05	8.67E-04	6.50E-05	1.08E-04	7.42E-06
1595	438154.6	3725800.21	1.57E-03	5.07E-05	3.21E-04	1.16E-05	1.68E-03	5.48E-05	1.89E-04	5.91E-06
1596	438164.44	3725788.65	1.56E-03	4.97E-05	3.18E-04	1.13E-05	1.66E-03	5.36E-05	1.87E-04	5.77E-06
1597	438165.79	3725828.87	1.46E-03	4.77E-05	2.99E-04	1.10E-05	1.57E-03	5.19E-05	1.76E-04	5.60E-06
1598	438152.32	3725835.73	1.50E-03	4.93E-05	3.06E-04	1.14E-05	1.60E-03	5.37E-05	1.81E-04	5.81E-06
1599	438138.85	3725842.6	1.53E-03	5.08E-05	3.12E-04	1.18E-05	1.63E-03	5.56E-05	1.84E-04	6.01E-06
1600	438125.38	3725849.46	1.56E-03	5.23E-05	3.18E-04	1.22E-05	1.66E-03	5.75E-05	1.88E-04	6.23E-06
1601	438111.91	3725856.32	1.58E-03	5.39E-05	3.24E-04	1.26E-05	1.69E-03	5.95E-05	1.92E-04	6.46E-06
1602	438098.45	3725863.19	1.61E-03	5.54E-05	3.29E-04	1.30E-05	1.72E-03	6.15E-05	1.95E-04	6.68E-06
1603	438084.98	3725870.05	1.63E-03	5.69E-05	3.34E-04	1.34E-05	1.74E-03	6.34E-05	1.98E-04	6.90E-06
1604	438071.51	3725876.91	1.64E-03	5.84E-05	3.37E-04	1.38E-05	1.76E-03	6.54E-05	2.00E-04	7.13E-06
1605	438058.04	3725883.77	1.66E-03	5.98E-05	3.41E-04	1.42E-05	1.78E-03	6.73E-05	2.02E-04	7.36E-06
1606	438044.57	3725890.64	1.67E-03	6.12E-05	3.43E-04	1.46E-05	1.79E-03	6.93E-05	2.04E-04	7.59E-06
1607	438031.1	3725897.5	1.68E-03	6.26E-05	3.45E-04	1.50E-05	1.80E-03	7.12E-05	2.06E-04	7.81E-06
1608	438017.64	3725904.36	1.68E-03	6.39E-05	3.47E-04	1.54E-05	1.80E-03	7.31E-05	2.07E-04	8.04E-06
1609	438004.17	3725911.23	1.69E-03	6.52E-05	3.47E-04	1.58E-05	1.81E-03	7.50E-05	2.07E-04	8.26E-06
1610	437610.95	3725985.22	1.10E-03	6.45E-05	2.33E-04	1.72E-05	1.18E-03	8.18E-05	1.45E-04	9.30E-06
1611	437596.59	3725980.5	1.08E-03	6.37E-05	2.28E-04	1.71E-05	1.16E-03	8.10E-05	1.43E-04	9.21E-06
1612	437582.23	3725975.78	1.06E-03	6.29E-05	2.24E-04	1.69E-05	1.14E-03	8.01E-05	1.40E-04	9.11E-06
1613	437567.87	3725971.07	1.03E-03	6.20E-05	2.19E-04	1.67E-05	1.11E-03	7.90E-05	1.37E-04	9.00E-06
1614	437553.51	3725966.35	1.01E-03	6.12E-05	2.15E-04	1.65E-05	1.09E-03	7.80E-05	1.35E-04	8.89E-06
1615	437539.15	3725961.63	9.94E-04	6.03E-05	2.11E-04	1.62E-05	1.07E-03	7.70E-05	1.32E-04	8.77E-06
1616	437524.79	3725956.91	9.74E-04	5.94E-05	2.07E-04	1.60E-05	1.05E-03	7.59E-05	1.30E-04	8.65E-06
1617	437510.43	3725952.2	9.56E-04	5.86E-05	2.03E-04	1.58E-05	1.03E-03	7.49E-05	1.28E-04	8.54E-06
1618	437467.35	3725938.04	8.96E-04	5.53E-05	1.90E-04	1.49E-05	9.64E-04	7.09E-05	1.20E-04	8.08E-06
1619	437452.98	3725933.32	8.77E-04	5.42E-05	1.86E-04	1.47E-05	9.44E-04	6.95E-05	1.17E-04	7.93E-06
1620	437438.62	3725928.61	8.58E-04	5.31E-05	1.82E-04	1.43E-05	9.23E-04	6.80E-05	1.15E-04	7.76E-06
1621	437424.26	3725923.89	8.38E-04	5.19E-05	1.78E-04	1.40E-05	9.02E-04	6.65E-05	1.12E-04	7.58E-06
1622	437409.9	3725919.17	8.18E-04	5.06E-05	1.74E-04	1.37E-05	8.80E-04	6.48E-05	1.10E-04	7.39E-06
1623	437381.18	3725909.74	7.64E-04	4.69E-05	1.63E-04	1.27E-05	8.23E-04	6.01E-05	1.02E-04	6.85E-06
1624	437366.82	3725905.02	7.37E-04	4.50E-05	1.57E-04	1.21E-05	7.93E-04	5.76E-05	9.85E-05	6.57E-06
1625	437352.46	3725900.3	7.09E-04	4.31E-05	1.51E-04	1.16E-05	7.63E-04	5.51E-05	9.48E-05	6.28E-06
1626	438177.44	3725819.66	1.44E-03	4.65E-05	2.94E-04	1.07E-05	1.54E-03	5.04E-05	1.73E-04	5.43E-06
1627	438187.28	3725808.1	1.42E-03	4.56E-05	2.91E-04	1.04E-05	1.52E-03	4.93E-05	1.71E-04	5.31E-06
1628	438196.24	3725854.8	1.31E-03	4.28E-05	2.68E-04	9.85E-06	1.40E-03	4.66E-05	1.58E-04	5.03E-06
1629	438182.76	3725861.67	1.34E-03	4.41E-05	2.74E-04	1.02E-05	1.43E-03	4.81E-05	1.62E-04	5.20E-06
1630	438169.27	3725868.54	1.36E-03	4.54E-05	2.79E-04	1.05E-05	1.46E-03	4.97E-05	1.65E-04	5.38E-06
1631	438155.79	3725875.41	1.39E-03	4.67E-05	2.85E-04	1.09E-05	1.49E-03	5.13E-05	1.68E-04	5.56E-06
1632	438142.31	3725882.28	1.41E-03	4.80E-05	2.90E-04	1.12E-05	1.51E-03	5.30E-05	1.71E-04	5.75E-06
1633	438128.83	3725889.15	1.44E-03	4.93E-05	2.94E-04	1.16E-05	1.54E-03	5.47E-05	1.74E-04	5.94E-06
1634	438115.35	3725896.02	1.45E-03	5.06E-05	2.98E-04	1.19E-05	1.56E-03	5.63E-05	1.77E-04	6.13E-06
1635	438101.86	3725902.89	1.47E-03	5.19E-05	3.02E-04	1.23E-05	1.57E-03	5.80E-05	1.79E-04	6.32E-06
1636	438088.38	3725909.76	1.48E-03	5.31E-05	3.05E-04	1.26E-05	1.59E-03	5.96E-05	1.81E-04	6.51E-06
1637	438074.9	3725916.63	1.49E-03	5.42E-05	3.07E-04	1.29E-05	1.60E-03	6.11E-05	1.82E-04	6.69E-06
1638	438061.42	3725923.5	1.50E-03	5.53E-05	3.08E-04	1.32E-05	1.61E-03	6.27E-05	1.83E-04	6.87E-06
1639	438047.94	3725930.37	1.50E-03	5.62E-05	3.09E-04	1.35E-05	1.61E-03	6.41E-05	1.84E-04	7.04E-06
1640	438034.46	3725937.24	1.50E-03	5.71E-05	3.09E-04	1.38E-05	1.61E-03	6.54E-05	1.84E-04	7.20E-06
1641	438020.97	3725944.11	1.50E-03	5.80E-05	3.09E-04	1.41E-05	1.61E-03	6.68E-05	1.85E-04	7.36E-06
1642	437556.37	3726006.16	8.95E-04	5.23E-05	1.89E-04	1.40E-05	9.63E-04	6.63E-05	1.18E-04	7.54E-06
1643	437541.99	3726001.44	8.80E-04	5.17E-05	1.86E-04	1.38E-05	9.47E-04	6.56E-05	1.17E-04	7.46E-06
1644	437527.62	3725996.71	8.64E-04	5.10E-05	1.83E-04	1.37E-05	9.30E-04	6.48E-05	1.15E-04	7.37E-06
1645	437513.24	3725991.99	8.49E-04	5.03E-05	1.80E-04	1.35E-05	9.13E-04	6.40E-05	1.13E-04	7.28E-06
1646	437498.87	3725987.27	8.32E-04	4.95E-05	1.76E-04	1.33E-05	8.96E-04	6.30E-05	1.11E-04	7.17E-06
1647	437484.49	3725982.55	8.17E-04	4.87E-05	1.73E-04	1.31E-05	8.79E-04	6.20E-05	1.09E-04	7.06E-06
1648	437470.12	3725977.82	8.01E-04	4.78E-05	1.70E-04	1.29E-05	8.62E-04	6.10E-05	1.07E-04	6.94E-06
1649	437455.74	3725973.1	7.85E-04	4.69E-05	1.67E-04	1.26E-05	8.45E-04	5.98E-05	1.04E-04	6.81E-06

1650	437398.24	3725954.21	7.06E-04	4.21E-05	1.50E-04	1.13E-05	7.60E-04	5.36E-05	9.40E-05	6.11E-06
1651	437383.86	3725949.49	6.84E-04	4.06E-05	1.45E-04	1.09E-05	7.36E-04	5.17E-05	9.10E-05	5.89E-06
1652	437369.49	3725944.77	6.60E-04	3.90E-05	1.40E-04	1.05E-05	7.10E-04	4.96E-05	8.77E-05	5.65E-06
1653	437311.99	3725925.88	5.67E-04	3.26E-05	1.20E-04	8.73E-06	6.10E-04	4.14E-05	7.51E-05	4.71E-06
1654	438207.9	3725845.59	1.29E-03	4.18E-05	2.64E-04	9.59E-06	1.38E-03	4.54E-05	1.55E-04	4.89E-06
1655	438217.74	3725834.03	1.28E-03	4.11E-05	2.62E-04	9.41E-06	1.37E-03	4.45E-05	1.54E-04	4.79E-06
1656	438226.69	3725880.73	1.18E-03	3.86E-05	2.42E-04	8.90E-06	1.26E-03	4.21E-05	1.43E-04	4.55E-06
1657	438213.2	3725887.61	1.21E-03	3.97E-05	2.47E-04	9.18E-06	1.29E-03	4.34E-05	1.46E-04	4.70E-06
1658	438199.7	3725894.49	1.23E-03	4.09E-05	2.52E-04	9.49E-06	1.32E-03	4.49E-05	1.49E-04	4.86E-06
1659	438186.21	3725901.36	1.25E-03	4.21E-05	2.57E-04	9.79E-06	1.34E-03	4.63E-05	1.52E-04	5.02E-06
1660	438172.72	3725908.24	1.27E-03	4.32E-05	2.61E-04	1.01E-05	1.36E-03	4.76E-05	1.54E-04	5.17E-06
1661	438159.22	3725915.11	1.29E-03	4.43E-05	2.65E-04	1.04E-05	1.38E-03	4.90E-05	1.57E-04	5.33E-06
1662	438145.73	3725921.99	1.31E-03	4.53E-05	2.68E-04	1.07E-05	1.40E-03	5.04E-05	1.59E-04	5.49E-06
1663	438132.23	3725928.87	1.32E-03	4.64E-05	2.72E-04	1.10E-05	1.42E-03	5.18E-05	1.61E-04	5.65E-06
1664	438118.74	3725935.74	1.34E-03	4.74E-05	2.74E-04	1.12E-05	1.43E-03	5.32E-05	1.63E-04	5.81E-06
1665	438105.24	3725942.62	1.34E-03	4.84E-05	2.76E-04	1.15E-05	1.44E-03	5.44E-05	1.64E-04	5.95E-06
1666	438091.75	3725949.49	1.35E-03	4.91E-05	2.77E-04	1.17E-05	1.44E-03	5.56E-05	1.65E-04	6.08E-06
1667	438078.26	3725956.37	1.35E-03	4.98E-05	2.77E-04	1.20E-05	1.44E-03	5.66E-05	1.65E-04	6.21E-06
1668	438064.76	3725963.25	1.35E-03	5.05E-05	2.77E-04	1.22E-05	1.44E-03	5.76E-05	1.65E-04	6.33E-06
1669	438051.27	3725970.12	1.34E-03	5.12E-05	2.77E-04	1.24E-05	1.44E-03	5.87E-05	1.65E-04	6.45E-06
1670	437501.7	3726027.07	7.45E-04	4.29E-05	1.58E-04	1.15E-05	8.01E-04	5.43E-05	9.84E-05	6.17E-06
1671	437487.31	3726022.35	7.32E-04	4.23E-05	1.55E-04	1.13E-05	7.88E-04	5.36E-05	9.68E-05	6.09E-06
1672	437472.92	3726017.62	7.19E-04	4.16E-05	1.52E-04	1.11E-05	7.74E-04	5.28E-05	9.51E-05	6.00E-06
1673	437458.54	3726012.89	7.05E-04	4.09E-05	1.49E-04	1.09E-05	7.58E-04	5.18E-05	9.33E-05	5.89E-06
1674	437444.15	3726008.16	6.91E-04	4.00E-05	1.46E-04	1.07E-05	7.43E-04	5.08E-05	9.14E-05	5.77E-06
1675	437415.37	3725998.71	6.51E-04	3.76E-05	1.38E-04	1.01E-05	7.00E-04	4.77E-05	8.61E-05	5.42E-06
1676	437400.98	3725993.98	6.31E-04	3.64E-05	1.34E-04	9.72E-06	6.79E-04	4.61E-05	8.35E-05	5.24E-06
1677	437386.59	3725989.26	6.12E-04	3.51E-05	1.29E-04	9.39E-06	6.58E-04	4.45E-05	8.09E-05	5.06E-06
1678	437372.2	3725984.53	5.93E-04	3.39E-05	1.25E-04	9.05E-06	6.38E-04	4.29E-05	7.84E-05	4.88E-06
1679	437329.04	3725970.35	5.34E-04	3.01E-05	1.13E-04	8.02E-06	5.75E-04	3.80E-05	7.05E-05	4.32E-06
1680	437314.65	3725965.62	5.15E-04	2.88E-05	1.09E-04	7.67E-06	5.54E-04	3.64E-05	6.79E-05	4.13E-06
1681	437300.26	3725960.9	4.97E-04	2.76E-05	1.05E-04	7.35E-06	5.35E-04	3.48E-05	6.55E-05	3.95E-06
1682	437285.87	3725956.17	4.79E-04	2.65E-05	1.01E-04	7.03E-06	5.16E-04	3.33E-05	6.31E-05	3.78E-06
1683	438238.36	3725871.51	1.16E-03	3.78E-05	2.38E-04	8.68E-06	1.24E-03	4.10E-05	1.40E-04	4.43E-06
1684	438248.2	3725859.95	1.15E-03	3.71E-05	2.36E-04	8.52E-06	1.23E-03	4.03E-05	1.39E-04	4.34E-06
1685	438257.15	3725906.66	1.07E-03	3.51E-05	2.20E-04	8.11E-06	1.15E-03	3.83E-05	1.30E-04	4.14E-06
1686	438243.64	3725913.54	1.10E-03	3.61E-05	2.24E-04	8.36E-06	1.17E-03	3.95E-05	1.32E-04	4.28E-06
1687	438230.14	3725920.43	1.12E-03	3.71E-05	2.29E-04	8.60E-06	1.19E-03	4.07E-05	1.35E-04	4.41E-06
1688	438216.63	3725927.31	1.14E-03	3.81E-05	2.33E-04	8.86E-06	1.21E-03	4.19E-05	1.38E-04	4.54E-06
1689	438203.13	3725934.19	1.15E-03	3.91E-05	2.37E-04	9.11E-06	1.23E-03	4.31E-05	1.40E-04	4.68E-06
1690	438189.62	3725941.07	1.17E-03	4.00E-05	2.40E-04	9.37E-06	1.25E-03	4.43E-05	1.42E-04	4.82E-06
1691	438176.12	3725947.95	1.19E-03	4.10E-05	2.44E-04	9.63E-06	1.27E-03	4.56E-05	1.44E-04	4.96E-06
1692	438162.61	3725954.83	1.20E-03	4.20E-05	2.47E-04	9.90E-06	1.29E-03	4.68E-05	1.46E-04	5.10E-06
1693	438149.11	3725961.72	1.21E-03	4.28E-05	2.49E-04	1.01E-05	1.30E-03	4.79E-05	1.48E-04	5.23E-06
1694	438135.6	3725968.6	1.22E-03	4.36E-05	2.51E-04	1.03E-05	1.31E-03	4.90E-05	1.49E-04	5.35E-06
1695	438122.1	3725975.48	1.22E-03	4.42E-05	2.51E-04	1.05E-05	1.31E-03	4.99E-05	1.49E-04	5.46E-06
1696	438108.59	3725982.36	1.22E-03	4.48E-05	2.51E-04	1.07E-05	1.31E-03	5.07E-05	1.50E-04	5.56E-06
1697	438095.09	3725989.24	1.22E-03	4.53E-05	2.51E-04	1.09E-05	1.31E-03	5.16E-05	1.50E-04	5.66E-06
1698	438081.58	3725996.12	1.22E-03	4.59E-05	2.51E-04	1.11E-05	1.31E-03	5.24E-05	1.50E-04	5.76E-06
1699	437518.96	3726071.61	6.81E-04	3.79E-05	1.44E-04	1.01E-05	7.32E-04	4.78E-05	8.94E-05	5.42E-06
1700	437504.56	3726066.88	6.71E-04	3.75E-05	1.42E-04	9.97E-06	7.21E-04	4.73E-05	8.82E-05	5.36E-06
1701	437418.16	3726038.5	5.85E-04	3.28E-05	1.24E-04	8.72E-06	6.29E-04	4.14E-05	7.70E-05	4.69E-06
1702	437403.76	3726033.77	5.68E-04	3.17E-05	1.20E-04	8.44E-06	6.11E-04	4.00E-05	7.47E-05	4.54E-06
1703	437389.36	3726029.04	5.51E-04	3.07E-05	1.16E-04	8.16E-06	5.92E-04	3.87E-05	7.25E-05	4.39E-06
1704	437346.16	3726014.85	5.02E-04	2.76E-05	1.06E-04	7.33E-06	5.40E-04	3.48E-05	6.60E-05	3.94E-06
1705	437331.76	3726010.12	4.86E-04	2.66E-05	1.03E-04	7.06E-06	5.23E-04	3.35E-05	6.39E-05	3.80E-06
1706	437317.36	3726005.38	4.71E-04	2.56E-05	9.94E-05	6.79E-06	5.06E-04	3.22E-05	6.18E-05	3.65E-06

1707	437302.96	3726000.65	4.56E-04	2.47E-05	9.62E-05	6.53E-06	4.90E-04	3.10E-05	5.98E-05	3.51E-06
1708	437288.56	3725995.92	4.41E-04	2.37E-05	9.30E-05	6.27E-06	4.74E-04	2.97E-05	5.78E-05	3.37E-06
1709	437274.16	3725991.19	4.26E-04	2.28E-05	8.98E-05	6.01E-06	4.58E-04	2.85E-05	5.58E-05	3.23E-06
1710	437259.76	3725986.46	4.11E-04	2.18E-05	8.67E-05	5.76E-06	4.42E-04	2.73E-05	5.38E-05	3.09E-06
1711	438268.82	3725897.44	1.06E-03	3.43E-05	2.16E-04	7.91E-06	1.13E-03	3.74E-05	1.28E-04	4.04E-06
1712	438278.66	3725885.88	1.05E-03	3.38E-05	2.14E-04	7.75E-06	1.12E-03	3.67E-05	1.26E-04	3.96E-06
1713	438287.6	3725932.59	9.74E-04	3.19E-05	1.99E-04	7.38E-06	1.04E-03	3.49E-05	1.18E-04	3.77E-06
1714	438274.09	3725939.48	9.97E-04	3.29E-05	2.04E-04	7.62E-06	1.07E-03	3.60E-05	1.21E-04	3.90E-06
1715	438260.57	3725946.37	1.02E-03	3.38E-05	2.08E-04	7.85E-06	1.09E-03	3.71E-05	1.23E-04	4.02E-06
1716	438247.06	3725953.25	1.04E-03	3.48E-05	2.12E-04	8.09E-06	1.11E-03	3.83E-05	1.26E-04	4.15E-06
1717	438233.54	3725960.14	1.05E-03	3.56E-05	2.16E-04	8.31E-06	1.13E-03	3.93E-05	1.28E-04	4.27E-06
1718	438220.03	3725967.03	1.07E-03	3.64E-05	2.19E-04	8.53E-06	1.14E-03	4.03E-05	1.30E-04	4.38E-06
1719	438206.51	3725973.91	1.08E-03	3.72E-05	2.22E-04	8.75E-06	1.16E-03	4.14E-05	1.32E-04	4.50E-06
1720	438193	3725980.8	1.10E-03	3.81E-05	2.25E-04	8.97E-06	1.17E-03	4.24E-05	1.33E-04	4.62E-06
1721	438179.48	3725987.69	1.11E-03	3.88E-05	2.27E-04	9.18E-06	1.18E-03	4.34E-05	1.35E-04	4.73E-06
1722	438165.97	3725994.57	1.11E-03	3.96E-05	2.29E-04	9.38E-06	1.19E-03	4.44E-05	1.36E-04	4.85E-06
1723	438152.45	3726001.46	1.12E-03	4.02E-05	2.30E-04	9.58E-06	1.20E-03	4.53E-05	1.37E-04	4.95E-06
1724	438138.94	3726008.35	1.12E-03	4.08E-05	2.31E-04	9.76E-06	1.20E-03	4.62E-05	1.38E-04	5.06E-06
1725	438125.42	3726015.23	1.13E-03	4.14E-05	2.32E-04	9.93E-06	1.21E-03	4.70E-05	1.38E-04	5.15E-06
1726	438111.91	3726022.12	1.12E-03	4.18E-05	2.31E-04	1.01E-05	1.20E-03	4.76E-05	1.38E-04	5.23E-06
1727	437493.03	3726101.97	5.98E-04	3.26E-05	1.26E-04	8.63E-06	6.43E-04	4.09E-05	7.83E-05	4.64E-06
1728	437478.62	3726097.23	5.85E-04	3.20E-05	1.23E-04	8.46E-06	6.29E-04	4.01E-05	7.67E-05	4.55E-06
1729	437464.21	3726092.5	5.72E-04	3.13E-05	1.21E-04	8.28E-06	6.15E-04	3.93E-05	7.50E-05	4.45E-06
1730	437449.8	3726087.77	5.58E-04	3.05E-05	1.18E-04	8.08E-06	6.00E-04	3.83E-05	7.32E-05	4.34E-06
1731	437435.39	3726083.03	5.44E-04	2.97E-05	1.15E-04	7.86E-06	5.85E-04	3.73E-05	7.13E-05	4.23E-06
1732	437363.34	3726059.36	4.73E-04	2.54E-05	9.97E-05	6.72E-06	5.08E-04	3.19E-05	6.19E-05	3.61E-06
1733	437348.93	3726054.63	4.59E-04	2.46E-05	9.68E-05	6.50E-06	4.94E-04	3.08E-05	6.01E-05	3.49E-06
1734	437334.52	3726049.89	4.46E-04	2.38E-05	9.40E-05	6.28E-06	4.79E-04	2.98E-05	5.83E-05	3.37E-06
1735	437320.11	3726045.16	4.32E-04	2.30E-05	9.11E-05	6.06E-06	4.65E-04	2.87E-05	5.65E-05	3.25E-06
1736	437305.7	3726040.42	4.20E-04	2.22E-05	8.84E-05	5.85E-06	4.51E-04	2.77E-05	5.48E-05	3.14E-06
1737	437291.28	3726035.69	4.07E-04	2.14E-05	8.58E-05	5.64E-06	4.38E-04	2.67E-05	5.32E-05	3.02E-06
1738	437276.87	3726030.96	3.95E-04	2.06E-05	8.31E-05	5.43E-06	4.24E-04	2.57E-05	5.15E-05	2.91E-06
1739	437262.46	3726026.22	3.82E-04	1.99E-05	8.05E-05	5.22E-06	4.11E-04	2.47E-05	4.98E-05	2.80E-06
1740	437248.05	3726021.49	3.70E-04	1.91E-05	7.78E-05	5.01E-06	3.97E-04	2.37E-05	4.82E-05	2.68E-06
1741	437233.64	3726016.75	3.57E-04	1.83E-05	7.52E-05	4.80E-06	3.84E-04	2.28E-05	4.65E-05	2.57E-06
1742	438299.28	3725923.37	9.58E-04	3.12E-05	1.96E-04	7.19E-06	1.03E-03	3.40E-05	1.16E-04	3.67E-06
1743	438309.12	3725911.81	9.49E-04	3.07E-05	1.94E-04	7.06E-06	1.01E-03	3.34E-05	1.15E-04	3.60E-06
1744	438304.53	3725965.41	9.09E-04	3.00E-05	1.86E-04	6.95E-06	9.72E-04	3.29E-05	1.10E-04	3.56E-06
1745	438291.01	3725972.3	9.31E-04	3.09E-05	1.91E-04	7.19E-06	9.96E-04	3.40E-05	1.13E-04	3.68E-06
1746	438277.48	3725979.2	9.51E-04	3.19E-05	1.95E-04	7.42E-06	1.02E-03	3.51E-05	1.15E-04	3.81E-06
1747	438263.96	3725986.09	9.67E-04	3.26E-05	1.98E-04	7.62E-06	1.03E-03	3.60E-05	1.17E-04	3.91E-06
1748	438250.44	3725992.98	9.81E-04	3.34E-05	2.01E-04	7.81E-06	1.05E-03	3.69E-05	1.19E-04	4.01E-06
1749	438236.91	3725999.87	9.92E-04	3.41E-05	2.03E-04	7.99E-06	1.06E-03	3.78E-05	1.21E-04	4.11E-06
1750	438223.39	3726006.76	1.00E-03	3.47E-05	2.06E-04	8.17E-06	1.07E-03	3.87E-05	1.22E-04	4.21E-06
1751	438209.87	3726013.65	1.01E-03	3.54E-05	2.08E-04	8.36E-06	1.08E-03	3.96E-05	1.23E-04	4.31E-06
1752	438196.34	3726020.54	1.02E-03	3.61E-05	2.10E-04	8.55E-06	1.09E-03	4.05E-05	1.25E-04	4.42E-06
1753	438182.82	3726027.43	1.03E-03	3.68E-05	2.12E-04	8.74E-06	1.10E-03	4.13E-05	1.26E-04	4.52E-06
1754	438169.3	3726034.32	1.04E-03	3.74E-05	2.13E-04	8.91E-06	1.11E-03	4.22E-05	1.27E-04	4.61E-06
1755	438155.77	3726041.21	1.04E-03	3.79E-05	2.14E-04	9.08E-06	1.11E-03	4.30E-05	1.27E-04	4.71E-06
1756	438142.25	3726048.11	1.04E-03	3.84E-05	2.14E-04	9.23E-06	1.11E-03	4.37E-05	1.28E-04	4.79E-06
1757	437452.66	3726127.58	5.07E-04	2.70E-05	1.07E-04	7.12E-06	5.45E-04	3.37E-05	6.62E-05	3.82E-06
1758	437438.24	3726122.84	4.95E-04	2.63E-05	1.04E-04	6.94E-06	5.32E-04	3.29E-05	6.46E-05	3.72E-06
1759	437423.82	3726118.1	4.83E-04	2.56E-05	1.02E-04	6.76E-06	5.19E-04	3.20E-05	6.30E-05	3.62E-06
1760	437409.4	3726113.37	4.71E-04	2.50E-05	9.92E-05	6.58E-06	5.07E-04	3.12E-05	6.15E-05	3.53E-06
1761	437366.14	3726099.16	4.34E-04	2.28E-05	9.13E-05	5.99E-06	4.66E-04	2.84E-05	5.65E-05	3.21E-06
1762	437351.72	3726094.42	4.22E-04	2.21E-05	8.89E-05	5.81E-06	4.54E-04	2.75E-05	5.50E-05	3.11E-06
1763	437337.31	3726089.68	4.11E-04	2.14E-05	8.65E-05	5.62E-06	4.42E-04	2.67E-05	5.35E-05	3.02E-06

1764	437322.89	3726084.94	4.00E-04	2.07E-05	8.41E-05	5.44E-06	4.29E-04	2.58E-05	5.20E-05	2.92E-06
1765	437308.47	3726080.21	3.88E-04	2.01E-05	8.17E-05	5.27E-06	4.18E-04	2.50E-05	5.06E-05	2.82E-06
1766	437294.05	3726075.47	3.77E-04	1.94E-05	7.94E-05	5.09E-06	4.06E-04	2.41E-05	4.91E-05	2.73E-06
1767	437279.63	3726070.73	3.67E-04	1.88E-05	7.72E-05	4.91E-06	3.94E-04	2.33E-05	4.77E-05	2.63E-06
1768	437265.21	3726066	3.56E-04	1.81E-05	7.49E-05	4.74E-06	3.83E-04	2.25E-05	4.63E-05	2.54E-06
1769	437250.79	3726061.26	3.46E-04	1.75E-05	7.27E-05	4.58E-06	3.72E-04	2.17E-05	4.49E-05	2.45E-06
1770	437236.37	3726056.52	3.36E-04	1.69E-05	7.06E-05	4.41E-06	3.61E-04	2.09E-05	4.36E-05	2.36E-06
1771	437221.95	3726051.78	3.25E-04	1.63E-05	6.84E-05	4.24E-06	3.50E-04	2.01E-05	4.22E-05	2.27E-06
1772	437207.53	3726047.05	3.15E-04	1.57E-05	6.63E-05	4.08E-06	3.39E-04	1.94E-05	4.09E-05	2.18E-06
1773	438241.6	3726038.93	9.33E-04	3.25E-05	1.92E-04	7.67E-06	9.99E-04	3.63E-05	1.14E-04	3.95E-06
1774	438228.22	3726045.75	9.40E-04	3.30E-05	1.93E-04	7.82E-06	1.01E-03	3.70E-05	1.15E-04	4.03E-06
1775	438214.85	3726052.56	9.47E-04	3.36E-05	1.95E-04	7.97E-06	1.01E-03	3.77E-05	1.16E-04	4.12E-06
1776	438201.47	3726059.38	9.54E-04	3.42E-05	1.96E-04	8.13E-06	1.02E-03	3.85E-05	1.17E-04	4.21E-06
1777	438188.1	3726066.19	9.60E-04	3.47E-05	1.97E-04	8.29E-06	1.03E-03	3.92E-05	1.17E-04	4.29E-06
1778	438174.72	3726073.01	9.63E-04	3.52E-05	1.98E-04	8.43E-06	1.03E-03	3.99E-05	1.18E-04	4.37E-06
1779	437388.02	3726145.21	4.13E-04	2.13E-05	8.68E-05	5.57E-06	4.44E-04	2.64E-05	5.36E-05	2.98E-06
1780	437359.5	3726135.84	3.93E-04	2.01E-05	8.26E-05	5.27E-06	4.22E-04	2.50E-05	5.10E-05	2.82E-06
1781	437345.24	3726131.16	3.84E-04	1.96E-05	8.07E-05	5.13E-06	4.12E-04	2.43E-05	4.98E-05	2.74E-06
1782	437330.98	3726126.47	3.75E-04	1.91E-05	7.88E-05	4.99E-06	4.03E-04	2.37E-05	4.87E-05	2.67E-06
1783	437316.72	3726121.79	3.66E-04	1.85E-05	7.69E-05	4.85E-06	3.93E-04	2.30E-05	4.74E-05	2.59E-06
1784	437302.46	3726117.1	3.56E-04	1.80E-05	7.49E-05	4.70E-06	3.83E-04	2.23E-05	4.62E-05	2.51E-06
1785	437288.2	3726112.42	3.47E-04	1.74E-05	7.29E-05	4.55E-06	3.73E-04	2.16E-05	4.50E-05	2.43E-06
1786	437273.93	3726107.73	3.38E-04	1.69E-05	7.10E-05	4.41E-06	3.63E-04	2.09E-05	4.38E-05	2.36E-06
1787	437259.67	3726103.05	3.30E-04	1.64E-05	6.92E-05	4.28E-06	3.54E-04	2.03E-05	4.27E-05	2.29E-06
1788	437245.41	3726098.36	3.21E-04	1.59E-05	6.75E-05	4.15E-06	3.45E-04	1.97E-05	4.16E-05	2.22E-06
1789	437231.15	3726093.68	3.13E-04	1.54E-05	6.57E-05	4.02E-06	3.36E-04	1.90E-05	4.05E-05	2.15E-06
1790	437216.89	3726089	3.04E-04	1.49E-05	6.39E-05	3.88E-06	3.27E-04	1.84E-05	3.94E-05	2.07E-06
1791	437202.63	3726084.31	2.96E-04	1.44E-05	6.21E-05	3.75E-06	3.18E-04	1.78E-05	3.82E-05	2.00E-06
1792	437188.37	3726079.63	2.88E-04	1.40E-05	6.04E-05	3.62E-06	3.09E-04	1.72E-05	3.72E-05	1.93E-06
1793	437347.85	3726170.89	3.60E-04	1.80E-05	7.56E-05	4.71E-06	3.87E-04	2.23E-05	4.66E-05	2.52E-06
1794	437333.58	3726166.2	3.52E-04	1.76E-05	7.40E-05	4.59E-06	3.78E-04	2.17E-05	4.56E-05	2.45E-06
1795	437319.3	3726161.51	3.45E-04	1.72E-05	7.24E-05	4.48E-06	3.70E-04	2.12E-05	4.46E-05	2.39E-06
1796	437305.02	3726156.82	3.37E-04	1.67E-05	7.08E-05	4.36E-06	3.62E-04	2.07E-05	4.36E-05	2.33E-06
1797	437290.75	3726152.13	3.29E-04	1.63E-05	6.91E-05	4.24E-06	3.54E-04	2.01E-05	4.26E-05	2.27E-06
1798	437276.47	3726147.44	3.22E-04	1.59E-05	6.76E-05	4.13E-06	3.46E-04	1.96E-05	4.16E-05	2.21E-06
1799	437262.2	3726142.75	3.15E-04	1.55E-05	6.60E-05	4.02E-06	3.38E-04	1.90E-05	4.07E-05	2.14E-06
1800	437247.92	3726138.06	3.07E-04	1.50E-05	6.44E-05	3.90E-06	3.30E-04	1.85E-05	3.96E-05	2.08E-06
1801	437233.65	3726133.37	3.00E-04	1.46E-05	6.28E-05	3.78E-06	3.22E-04	1.79E-05	3.87E-05	2.02E-06
1802	437219.37	3726128.68	2.92E-04	1.42E-05	6.13E-05	3.67E-06	3.14E-04	1.74E-05	3.77E-05	1.96E-06
1803	437205.09	3726123.99	2.85E-04	1.38E-05	5.97E-05	3.56E-06	3.06E-04	1.69E-05	3.67E-05	1.90E-06
1804	437190.82	3726119.3	2.78E-04	1.34E-05	5.83E-05	3.46E-06	2.99E-04	1.64E-05	3.59E-05	1.84E-06
1805	437176.54	3726114.61	2.72E-04	1.30E-05	5.70E-05	3.36E-06	2.92E-04	1.59E-05	3.50E-05	1.79E-06
1806	437162.27	3726109.92	2.66E-04	1.27E-05	5.57E-05	3.27E-06	2.86E-04	1.55E-05	3.42E-05	1.74E-06
1807	437336.21	3726205.94	3.36E-04	1.66E-05	7.05E-05	4.30E-06	3.61E-04	2.04E-05	4.34E-05	2.30E-06
1808	437321.93	3726201.24	3.28E-04	1.61E-05	6.88E-05	4.19E-06	3.53E-04	1.98E-05	4.24E-05	2.23E-06
1809	437307.64	3726196.55	3.21E-04	1.57E-05	6.73E-05	4.08E-06	3.45E-04	1.93E-05	4.14E-05	2.18E-06
1810	437293.35	3726191.86	3.14E-04	1.53E-05	6.58E-05	3.97E-06	3.37E-04	1.88E-05	4.05E-05	2.12E-06
1811	437279.06	3726187.16	3.07E-04	1.49E-05	6.44E-05	3.87E-06	3.30E-04	1.84E-05	3.96E-05	2.07E-06
1812	437264.77	3726182.47	3.01E-04	1.46E-05	6.32E-05	3.78E-06	3.24E-04	1.79E-05	3.88E-05	2.02E-06
1813	437250.48	3726177.77	2.96E-04	1.43E-05	6.20E-05	3.70E-06	3.18E-04	1.75E-05	3.81E-05	1.97E-06
1814	437236.19	3726173.08	2.90E-04	1.40E-05	6.07E-05	3.61E-06	3.11E-04	1.71E-05	3.73E-05	1.93E-06
1815	437221.9	3726168.38	2.83E-04	1.36E-05	5.94E-05	3.52E-06	3.04E-04	1.67E-05	3.65E-05	1.88E-06
1816	437207.61	3726163.69	2.77E-04	1.33E-05	5.81E-05	3.43E-06	2.98E-04	1.62E-05	3.57E-05	1.83E-06
1817	437193.32	3726159	2.71E-04	1.29E-05	5.68E-05	3.33E-06	2.91E-04	1.58E-05	3.49E-05	1.78E-06
1818	437179.03	3726154.3	2.64E-04	1.25E-05	5.54E-05	3.23E-06	2.84E-04	1.53E-05	3.40E-05	1.72E-06
1819	437164.74	3726149.61	2.59E-04	1.22E-05	5.42E-05	3.15E-06	2.78E-04	1.49E-05	3.32E-05	1.68E-06
1820	437150.45	3726144.91	2.54E-04	1.19E-05	5.32E-05	3.08E-06	2.73E-04	1.46E-05	3.26E-05	1.64E-06

1821	437136.16	3726140.22	2.49E-04	1.17E-05	5.22E-05	3.01E-06	2.68E-04	1.43E-05	3.20E-05	1.60E-06
1822	437396.1	3726264.48	3.52E-04	1.73E-05	7.38E-05	4.49E-06	3.78E-04	2.13E-05	4.54E-05	2.39E-06
1823	437324.59	3726240.99	3.16E-04	1.54E-05	6.63E-05	3.98E-06	3.40E-04	1.89E-05	4.08E-05	2.12E-06
1824	437310.29	3726236.29	3.08E-04	1.49E-05	6.45E-05	3.85E-06	3.31E-04	1.83E-05	3.96E-05	2.05E-06
1825	437295.98	3726231.59	3.00E-04	1.44E-05	6.28E-05	3.73E-06	3.22E-04	1.77E-05	3.86E-05	1.99E-06
1826	437281.68	3726226.89	2.92E-04	1.40E-05	6.13E-05	3.63E-06	3.14E-04	1.72E-05	3.76E-05	1.93E-06
1827	437267.38	3726222.2	2.86E-04	1.37E-05	6.00E-05	3.53E-06	3.07E-04	1.67E-05	3.68E-05	1.88E-06
1828	437253.08	3726217.5	2.81E-04	1.34E-05	5.89E-05	3.46E-06	3.02E-04	1.64E-05	3.62E-05	1.85E-06
1829	437238.77	3726212.8	2.78E-04	1.32E-05	5.82E-05	3.42E-06	2.99E-04	1.62E-05	3.57E-05	1.82E-06
1830	437224.47	3726208.1	2.74E-04	1.30E-05	5.75E-05	3.36E-06	2.95E-04	1.59E-05	3.53E-05	1.79E-06
1831	437210.17	3726203.4	2.70E-04	1.28E-05	5.65E-05	3.29E-06	2.90E-04	1.56E-05	3.46E-05	1.75E-06
1832	437195.87	3726198.7	2.64E-04	1.25E-05	5.53E-05	3.21E-06	2.84E-04	1.52E-05	3.39E-05	1.71E-06
1833	437181.57	3726194.01	2.58E-04	1.21E-05	5.40E-05	3.12E-06	2.77E-04	1.48E-05	3.31E-05	1.66E-06
1834	437167.26	3726189.31	2.52E-04	1.18E-05	5.28E-05	3.04E-06	2.71E-04	1.44E-05	3.24E-05	1.62E-06
1835	437152.96	3726184.61	2.47E-04	1.15E-05	5.17E-05	2.96E-06	2.65E-04	1.40E-05	3.17E-05	1.57E-06
1836	437138.66	3726179.91	2.42E-04	1.12E-05	5.06E-05	2.89E-06	2.60E-04	1.37E-05	3.10E-05	1.54E-06
1837	437124.36	3726175.21	2.37E-04	1.10E-05	4.97E-05	2.82E-06	2.55E-04	1.34E-05	3.04E-05	1.50E-06
1838	437110.05	3726170.51	2.33E-04	1.08E-05	4.88E-05	2.76E-06	2.50E-04	1.31E-05	2.99E-05	1.47E-06
1839	437095.75	3726165.81	2.28E-04	1.05E-05	4.77E-05	2.68E-06	2.45E-04	1.27E-05	2.92E-05	1.43E-06
1840	437413.16	3726308.96	3.38E-04	1.64E-05	7.08E-05	4.23E-06	3.63E-04	2.01E-05	4.35E-05	2.26E-06
1841	437398.85	3726304.26	3.34E-04	1.62E-05	7.01E-05	4.19E-06	3.59E-04	1.99E-05	4.30E-05	2.23E-06
1842	437384.54	3726299.56	3.31E-04	1.60E-05	6.94E-05	4.15E-06	3.56E-04	1.97E-05	4.26E-05	2.21E-06
1843	437370.22	3726294.85	3.26E-04	1.58E-05	6.83E-05	4.08E-06	3.50E-04	1.93E-05	4.19E-05	2.18E-06
1844	437355.91	3726290.15	3.19E-04	1.54E-05	6.69E-05	3.99E-06	3.43E-04	1.89E-05	4.11E-05	2.13E-06
1845	437341.6	3726285.45	3.12E-04	1.50E-05	6.54E-05	3.89E-06	3.35E-04	1.84E-05	4.02E-05	2.07E-06
1846	437327.28	3726280.75	3.05E-04	1.47E-05	6.39E-05	3.79E-06	3.28E-04	1.79E-05	3.93E-05	2.02E-06
1847	437312.97	3726276.04	2.98E-04	1.42E-05	6.23E-05	3.68E-06	3.20E-04	1.74E-05	3.83E-05	1.96E-06
1848	437298.65	3726271.34	2.90E-04	1.38E-05	6.06E-05	3.56E-06	3.11E-04	1.69E-05	3.72E-05	1.90E-06
1849	437284.34	3726266.64	2.82E-04	1.34E-05	5.91E-05	3.45E-06	3.03E-04	1.64E-05	3.62E-05	1.84E-06
1850	437270.03	3726261.94	2.75E-04	1.30E-05	5.77E-05	3.35E-06	2.96E-04	1.59E-05	3.54E-05	1.79E-06
1851	437255.71	3726257.24	2.69E-04	1.27E-05	5.63E-05	3.26E-06	2.89E-04	1.55E-05	3.45E-05	1.74E-06
1852	437241.4	3726252.53	2.64E-04	1.24E-05	5.52E-05	3.19E-06	2.83E-04	1.51E-05	3.38E-05	1.70E-06
1853	437227.08	3726247.83	2.59E-04	1.21E-05	5.43E-05	3.12E-06	2.79E-04	1.48E-05	3.33E-05	1.66E-06
1854	437212.77	3726243.13	2.56E-04	1.20E-05	5.36E-05	3.08E-06	2.75E-04	1.46E-05	3.29E-05	1.64E-06
1855	437198.46	3726238.43	2.53E-04	1.18E-05	5.30E-05	3.04E-06	2.72E-04	1.44E-05	3.25E-05	1.62E-06
1856	437184.14	3726233.72	2.50E-04	1.16E-05	5.22E-05	2.98E-06	2.68E-04	1.41E-05	3.20E-05	1.59E-06
1857	437169.83	3726229.02	2.45E-04	1.14E-05	5.13E-05	2.92E-06	2.63E-04	1.39E-05	3.14E-05	1.56E-06
1858	437155.52	3726224.32	2.41E-04	1.11E-05	5.04E-05	2.86E-06	2.59E-04	1.35E-05	3.08E-05	1.52E-06
1859	437141.2	3726219.62	2.36E-04	1.09E-05	4.93E-05	2.79E-06	2.53E-04	1.32E-05	3.02E-05	1.48E-06
1860	437126.89	3726214.91	2.31E-04	1.06E-05	4.82E-05	2.71E-06	2.48E-04	1.29E-05	2.95E-05	1.44E-06
1861	437112.57	3726210.21	2.26E-04	1.03E-05	4.72E-05	2.64E-06	2.42E-04	1.25E-05	2.89E-05	1.40E-06
1862	437098.26	3726205.51	2.21E-04	1.01E-05	4.63E-05	2.58E-06	2.38E-04	1.22E-05	2.83E-05	1.37E-06
1863	437083.95	3726200.81	2.17E-04	9.85E-06	4.54E-05	2.52E-06	2.33E-04	1.19E-05	2.77E-05	1.34E-06
1864	437069.63	3726196.11	2.13E-04	9.62E-06	4.45E-05	2.46E-06	2.28E-04	1.17E-05	2.72E-05	1.31E-06
1865	437743.55	3725409.23	5.67E-02	1.12E-03	1.13E-02	1.87E-04	6.03E-02	8.76E-04	6.35E-03	8.09E-05
1866	437750.64	3725402.77	5.66E-02	1.09E-03	1.13E-02	1.79E-04	6.02E-02	8.40E-04	6.33E-03	7.67E-05
1867	437753.68	3725416.69	4.52E-02	9.31E-04	9.03E-03	1.62E-04	4.82E-02	7.60E-04	5.09E-03	7.18E-05
1868	437757.44	3725395.75	5.58E-02	1.06E-03	1.11E-02	1.71E-04	5.93E-02	8.01E-04	6.23E-03	7.24E-05
1869	437762.63	3725405.96	4.60E-02	9.13E-04	9.17E-03	1.54E-04	4.90E-02	7.21E-04	5.16E-03	6.68E-05
1870	437763.45	3725416.51	4.06E-02	8.40E-04	8.10E-03	1.47E-04	4.32E-02	6.89E-04	4.57E-03	6.54E-05
1871	437759.92	3725427.41	3.74E-02	8.12E-04	7.47E-03	1.47E-04	3.98E-02	6.93E-04	4.23E-03	6.71E-05
1872	437764.13	3725388.5	5.39E-02	1.01E-03	1.07E-02	1.62E-04	5.73E-02	7.57E-04	6.02E-03	6.78E-05
1873	437769.66	3725399.39	4.46E-02	8.71E-04	8.88E-03	1.45E-04	4.74E-02	6.80E-04	4.99E-03	6.26E-05
1874	437773.3	3725416.1	3.64E-02	7.57E-04	7.26E-03	1.33E-04	3.87E-02	6.25E-04	4.10E-03	5.95E-05
1875	437769.54	3725427.72	3.38E-02	7.38E-04	6.76E-03	1.34E-04	3.60E-02	6.32E-04	3.83E-03	6.13E-05
1876	437770.75	3725381.14	5.12E-02	9.53E-04	1.02E-02	1.51E-04	5.45E-02	7.08E-04	5.71E-03	6.31E-05
1877	437776.51	3725392.49	4.28E-02	8.28E-04	8.52E-03	1.36E-04	4.55E-02	6.39E-04	4.79E-03	5.85E-05

1878	437782.28	3725403.83	3.61E-02	7.28E-04	7.20E-03	1.25E-04	3.84E-02	5.85E-04	4.06E-03	5.48E-05
1879	437783.2	3725415.56	3.25E-02	6.83E-04	6.50E-03	1.21E-04	3.46E-02	5.67E-04	3.67E-03	5.42E-05
1880	437777.35	3725373.71	4.82E-02	8.92E-04	9.59E-03	1.41E-04	5.13E-02	6.59E-04	5.38E-03	5.86E-05
1881	437783.27	3725385.38	4.06E-02	7.80E-04	8.09E-03	1.28E-04	4.32E-02	5.98E-04	4.55E-03	5.45E-05
1882	437789.2	3725397.05	3.46E-02	6.90E-04	6.89E-03	1.17E-04	3.68E-02	5.49E-04	3.88E-03	5.12E-05
1883	437785.04	3725439.85	2.62E-02	6.03E-04	5.25E-03	1.14E-04	2.79E-02	5.38E-04	2.98E-03	5.33E-05
1884	437783.92	3725366.25	4.50E-02	8.30E-04	8.95E-03	1.31E-04	4.78E-02	6.12E-04	5.02E-03	5.43E-05
1885	437789.97	3725378.16	3.83E-02	7.31E-04	7.63E-03	1.19E-04	4.08E-02	5.58E-04	4.29E-03	5.07E-05
1886	437796.02	3725390.07	3.28E-02	6.50E-04	6.54E-03	1.10E-04	3.49E-02	5.14E-04	3.68E-03	4.77E-05
1887	437798.92	3725427.01	2.52E-02	5.56E-04	5.04E-03	1.02E-04	2.68E-02	4.82E-04	2.86E-03	4.71E-05
1888	437794.79	3725439.72	2.40E-02	5.53E-04	4.80E-03	1.05E-04	2.55E-02	4.94E-04	2.73E-03	4.90E-05
1889	437790.48	3725358.75	4.16E-02	7.67E-04	8.28E-03	1.21E-04	4.43E-02	5.65E-04	4.65E-03	5.01E-05
1890	437796.63	3725370.85	3.59E-02	6.82E-04	7.15E-03	1.11E-04	3.82E-02	5.20E-04	4.02E-03	4.71E-05
1891	437802.77	3725382.96	3.09E-02	6.09E-04	6.17E-03	1.02E-04	3.29E-02	4.80E-04	3.48E-03	4.45E-05
1892	437812.97	3725413.62	2.34E-02	5.03E-04	4.68E-03	9.10E-05	2.49E-02	4.28E-04	2.65E-03	4.13E-05
1893	437808.79	3725426.53	2.28E-02	5.06E-04	4.56E-03	9.38E-05	2.43E-02	4.41E-04	2.59E-03	4.32E-05
1894	437804.6	3725439.44	2.19E-02	5.07E-04	4.40E-03	9.63E-05	2.34E-02	4.53E-04	2.50E-03	4.50E-05
1895	437800.41	3725452.35	2.09E-02	5.06E-04	4.20E-03	9.90E-05	2.23E-02	4.66E-04	2.40E-03	4.69E-05
1896	437797.03	3725351.24	3.84E-02	7.08E-04	7.65E-03	1.11E-04	4.09E-02	5.22E-04	4.29E-03	4.63E-05
1897	437803.26	3725363.49	3.34E-02	6.34E-04	6.65E-03	1.03E-04	3.56E-02	4.83E-04	3.74E-03	4.37E-05
1898	437809.48	3725375.75	2.91E-02	5.71E-04	5.80E-03	9.57E-05	3.10E-02	4.49E-04	3.27E-03	4.15E-05
1899	437821.92	3725400.25	2.24E-02	4.72E-04	4.48E-03	8.40E-05	2.39E-02	3.94E-04	2.54E-03	3.78E-05
1900	437822.92	3725412.92	2.10E-02	4.56E-04	4.20E-03	8.31E-05	2.24E-02	3.91E-04	2.38E-03	3.79E-05
1901	437818.68	3725425.99	2.06E-02	4.62E-04	4.13E-03	8.59E-05	2.20E-02	4.04E-04	2.35E-03	3.97E-05
1902	437814.44	3725439.06	2.00E-02	4.64E-04	4.02E-03	8.85E-05	2.14E-02	4.17E-04	2.29E-03	4.14E-05
1903	437810.2	3725452.14	1.93E-02	4.66E-04	3.88E-03	9.11E-05	2.06E-02	4.29E-04	2.21E-03	4.32E-05
1904	437805.96	3725465.21	1.85E-02	4.67E-04	3.71E-03	9.39E-05	1.97E-02	4.42E-04	2.13E-03	4.51E-05
1905	437803.58	3725343.71	3.53E-02	6.51E-04	7.03E-03	1.03E-04	3.76E-02	4.81E-04	3.95E-03	4.27E-05
1906	437809.86	3725356.09	3.10E-02	5.88E-04	6.17E-03	9.55E-05	3.30E-02	4.47E-04	3.47E-03	4.06E-05
1907	437816.15	3725368.47	2.72E-02	5.33E-04	5.43E-03	8.92E-05	2.90E-02	4.18E-04	3.06E-03	3.87E-05
1908	437828.72	3725393.22	2.12E-02	4.44E-04	4.24E-03	7.87E-05	2.26E-02	3.70E-04	2.40E-03	3.53E-05
1909	437832.86	3725412.2	1.89E-02	4.14E-04	3.78E-03	7.61E-05	2.01E-02	3.58E-04	2.15E-03	3.49E-05
1910	437828.58	3725425.41	1.87E-02	4.21E-04	3.75E-03	7.89E-05	1.99E-02	3.71E-04	2.13E-03	3.65E-05
1911	437824.3	3725438.61	1.83E-02	4.26E-04	3.67E-03	8.14E-05	1.95E-02	3.83E-04	2.09E-03	3.81E-05
1912	437820.02	3725451.82	1.78E-02	4.29E-04	3.57E-03	8.40E-05	1.90E-02	3.95E-04	2.04E-03	3.98E-05
1913	437815.74	3725465.02	1.72E-02	4.32E-04	3.45E-03	8.66E-05	1.83E-02	4.08E-04	1.98E-03	4.16E-05
1914	437816.65	3725328.63	2.94E-02	5.44E-04	5.85E-03	8.65E-05	3.12E-02	4.05E-04	3.29E-03	3.62E-05
1915	437823.03	3725341.2	2.64E-02	5.02E-04	5.26E-03	8.19E-05	2.81E-02	3.84E-04	2.96E-03	3.49E-05
1916	437829.41	3725353.76	2.37E-02	4.62E-04	4.72E-03	7.74E-05	2.52E-02	3.63E-04	2.66E-03	3.36E-05
1917	437842.18	3725378.9	1.88E-02	3.92E-04	3.77E-03	6.92E-05	2.01E-02	3.25E-04	2.13E-03	3.10E-05
1918	437848.56	3725391.47	1.69E-02	3.63E-04	3.39E-03	6.58E-05	1.80E-02	3.09E-04	1.92E-03	2.99E-05
1919	437852.77	3725410.74	1.54E-02	3.44E-04	3.09E-03	6.42E-05	1.64E-02	3.02E-04	1.76E-03	2.97E-05
1920	437848.42	3725424.15	1.54E-02	3.53E-04	3.09E-03	6.68E-05	1.64E-02	3.14E-04	1.76E-03	3.11E-05
1921	437844.08	3725437.56	1.53E-02	3.59E-04	3.07E-03	6.92E-05	1.63E-02	3.26E-04	1.75E-03	3.25E-05
1922	437831.04	3725477.78	1.43E-02	3.72E-04	2.88E-03	7.62E-05	1.52E-02	3.59E-04	1.65E-03	3.69E-05
1923	437829.71	3725313.52	2.43E-02	4.53E-04	4.84E-03	7.29E-05	2.59E-02	3.41E-04	2.72E-03	3.07E-05
1924	437836.16	3725326.23	2.23E-02	4.27E-04	4.45E-03	7.01E-05	2.38E-02	3.29E-04	2.51E-03	3.00E-05
1925	437842.62	3725338.94	2.04E-02	3.99E-04	4.07E-03	6.72E-05	2.17E-02	3.15E-04	2.29E-03	2.92E-05
1926	437855.52	3725364.35	1.66E-02	3.45E-04	3.32E-03	6.09E-05	1.77E-02	2.86E-04	1.88E-03	2.73E-05
1927	437861.98	3725377.06	1.51E-02	3.22E-04	3.02E-03	5.82E-05	1.61E-02	2.73E-04	1.71E-03	2.64E-05
1928	437868.43	3725389.77	1.37E-02	3.01E-04	2.75E-03	5.56E-05	1.46E-02	2.62E-04	1.56E-03	2.56E-05
1929	437872.68	3725409.25	1.27E-02	2.89E-04	2.54E-03	5.47E-05	1.35E-02	2.57E-04	1.45E-03	2.55E-05
1930	437859.5	3725449.93	1.28E-02	3.10E-04	2.57E-03	6.12E-05	1.36E-02	2.89E-04	1.47E-03	2.92E-05
1931	437855.1	3725463.48	1.26E-02	3.15E-04	2.53E-03	6.32E-05	1.34E-02	2.98E-04	1.45E-03	3.03E-05
1932	437850.71	3725477.04	1.23E-02	3.19E-04	2.49E-03	6.51E-05	1.32E-02	3.07E-04	1.43E-03	3.15E-05
1933	437846.31	3725490.6	1.20E-02	3.22E-04	2.42E-03	6.69E-05	1.28E-02	3.16E-04	1.40E-03	3.27E-05
1934	437842.76	3725298.4	2.04E-02	3.84E-04	4.07E-03	6.24E-05	2.17E-02	2.92E-04	2.29E-03	2.65E-05

1935	437849.27	3725311.21	1.91E-02	3.67E-04	3.81E-03	6.08E-05	2.03E-02	2.85E-04	2.15E-03	2.62E-05
1936	437855.78	3725324.03	1.77E-02	3.48E-04	3.53E-03	5.88E-05	1.88E-02	2.76E-04	1.99E-03	2.57E-05
1937	437868.79	3725349.65	1.47E-02	3.05E-04	2.95E-03	5.40E-05	1.57E-02	2.54E-04	1.67E-03	2.42E-05
1938	437875.3	3725362.47	1.35E-02	2.87E-04	2.69E-03	5.18E-05	1.43E-02	2.43E-04	1.53E-03	2.35E-05
1939	437881.81	3725375.28	1.23E-02	2.69E-04	2.47E-03	4.97E-05	1.31E-02	2.34E-04	1.40E-03	2.28E-05
1940	437888.31	3725388.1	1.13E-02	2.53E-04	2.26E-03	4.76E-05	1.20E-02	2.24E-04	1.29E-03	2.21E-05
1941	437888.17	3725421.42	1.07E-02	2.53E-04	2.15E-03	4.91E-05	1.14E-02	2.31E-04	1.23E-03	2.32E-05
1942	437879.31	3725448.76	1.08E-02	2.66E-04	2.18E-03	5.28E-05	1.16E-02	2.49E-04	1.25E-03	2.52E-05
1943	437874.88	3725462.43	1.08E-02	2.71E-04	2.17E-03	5.46E-05	1.15E-02	2.57E-04	1.25E-03	2.62E-05
1944	437855.81	3725283.26	1.71E-02	3.25E-04	3.41E-03	5.35E-05	1.82E-02	2.51E-04	1.93E-03	2.30E-05
1945	437862.36	3725296.16	1.63E-02	3.16E-04	3.26E-03	5.29E-05	1.74E-02	2.48E-04	1.84E-03	2.29E-05
1946	437868.91	3725309.06	1.53E-02	3.03E-04	3.06E-03	5.17E-05	1.63E-02	2.42E-04	1.73E-03	2.27E-05
1947	437882.01	3725334.86	1.32E-02	2.74E-04	2.64E-03	4.85E-05	1.41E-02	2.28E-04	1.50E-03	2.18E-05
1948	437888.56	3725347.76	1.21E-02	2.58E-04	2.42E-03	4.66E-05	1.29E-02	2.19E-04	1.38E-03	2.12E-05
1949	437895.11	3725360.65	1.12E-02	2.44E-04	2.24E-03	4.49E-05	1.19E-02	2.11E-04	1.27E-03	2.06E-05
1950	437901.66	3725373.55	1.03E-02	2.31E-04	2.07E-03	4.34E-05	1.10E-02	2.04E-04	1.18E-03	2.01E-05
1951	437912.53	3725406.23	8.91E-03	2.11E-04	1.79E-03	4.10E-05	9.50E-03	1.93E-04	1.02E-03	1.94E-05
1952	437908.07	3725419.99	9.03E-03	2.17E-04	1.82E-03	4.25E-05	9.63E-03	2.00E-04	1.04E-03	2.02E-05
1953	437903.61	3725433.75	9.16E-03	2.23E-04	1.84E-03	4.42E-05	9.76E-03	2.08E-04	1.06E-03	2.11E-05
1954	437881.3	3725502.56	8.99E-03	2.44E-04	1.82E-03	5.12E-05	9.59E-03	2.41E-04	1.05E-03	2.51E-05
1955	437876.84	3725516.32	8.80E-03	2.46E-04	1.78E-03	5.23E-05	9.38E-03	2.47E-04	1.03E-03	2.58E-05
1956	437868.85	3725268.12	1.44E-02	2.76E-04	2.87E-03	4.61E-05	1.53E-02	2.16E-04	1.63E-03	2.00E-05
1957	437875.43	3725281.09	1.39E-02	2.72E-04	2.78E-03	4.60E-05	1.48E-02	2.16E-04	1.57E-03	2.01E-05
1958	437882.02	3725294.05	1.33E-02	2.64E-04	2.65E-03	4.54E-05	1.41E-02	2.13E-04	1.50E-03	2.00E-05
1959	437895.19	3725319.99	1.18E-02	2.45E-04	2.36E-03	4.36E-05	1.26E-02	2.05E-04	1.34E-03	1.96E-05
1960	437901.77	3725332.95	1.10E-02	2.34E-04	2.21E-03	4.25E-05	1.17E-02	2.00E-04	1.26E-03	1.93E-05
1961	437908.36	3725345.92	1.02E-02	2.23E-04	2.05E-03	4.12E-05	1.09E-02	1.94E-04	1.17E-03	1.89E-05
1962	437914.94	3725358.89	9.53E-03	2.13E-04	1.91E-03	3.99E-05	1.02E-02	1.88E-04	1.09E-03	1.85E-05
1963	437928.11	3725384.82	8.19E-03	1.92E-04	1.65E-03	3.71E-05	8.73E-03	1.75E-04	9.42E-04	1.75E-05
1964	437932.46	3725404.7	7.69E-03	1.85E-04	1.55E-03	3.64E-05	8.20E-03	1.72E-04	8.87E-04	1.73E-05
1965	437927.97	3725418.54	7.75E-03	1.89E-04	1.56E-03	3.75E-05	8.26E-03	1.76E-04	8.95E-04	1.79E-05
1966	437923.49	3725432.37	7.83E-03	1.93E-04	1.58E-03	3.86E-05	8.35E-03	1.82E-04	9.05E-04	1.85E-05
1967	437919	3725446.21	7.88E-03	1.98E-04	1.59E-03	3.98E-05	8.41E-03	1.88E-04	9.12E-04	1.92E-05
1968	437910.03	3725473.88	8.00E-03	2.07E-04	1.61E-03	4.25E-05	8.53E-03	2.00E-04	9.28E-04	2.06E-05
1969	437905.55	3725487.71	7.96E-03	2.10E-04	1.61E-03	4.36E-05	8.50E-03	2.06E-04	9.26E-04	2.13E-05
1970	437901.06	3725501.54	7.89E-03	2.13E-04	1.59E-03	4.46E-05	8.41E-03	2.11E-04	9.19E-04	2.19E-05
1971	437896.58	3725515.38	7.77E-03	2.15E-04	1.57E-03	4.55E-05	8.29E-03	2.15E-04	9.08E-04	2.24E-05
1972	437892.09	3725529.21	7.61E-03	2.16E-04	1.54E-03	4.64E-05	8.13E-03	2.19E-04	8.93E-04	2.30E-05
1973	437881.89	3725252.97	1.22E-02	2.36E-04	2.43E-03	4.00E-05	1.29E-02	1.88E-04	1.38E-03	1.75E-05
1974	437888.5	3725265.99	1.19E-02	2.35E-04	2.39E-03	4.03E-05	1.27E-02	1.89E-04	1.35E-03	1.77E-05
1975	437895.12	3725279.02	1.15E-02	2.31E-04	2.30E-03	4.02E-05	1.23E-02	1.88E-04	1.31E-03	1.78E-05
1976	437908.34	3725305.06	1.05E-02	2.19E-04	2.10E-03	3.92E-05	1.12E-02	1.84E-04	1.20E-03	1.77E-05
1977	437914.96	3725318.09	9.94E-03	2.12E-04	1.99E-03	3.85E-05	1.06E-02	1.81E-04	1.13E-03	1.75E-05
1978	437921.57	3725331.11	9.36E-03	2.04E-04	1.88E-03	3.76E-05	9.97E-03	1.77E-04	1.07E-03	1.73E-05
1979	437928.18	3725344.13	8.76E-03	1.95E-04	1.76E-03	3.66E-05	9.34E-03	1.72E-04	1.00E-03	1.70E-05
1980	437941.41	3725370.18	7.65E-03	1.78E-04	1.54E-03	3.44E-05	8.16E-03	1.62E-04	8.80E-04	1.62E-05
1981	437948.02	3725383.2	7.16E-03	1.70E-04	1.44E-03	3.34E-05	7.63E-03	1.57E-04	8.25E-04	1.58E-05
1982	437952.39	3725403.17	6.75E-03	1.65E-04	1.36E-03	3.28E-05	7.19E-03	1.54E-04	7.80E-04	1.57E-05
1983	437947.88	3725417.07	6.78E-03	1.68E-04	1.37E-03	3.35E-05	7.23E-03	1.58E-04	7.85E-04	1.61E-05
1984	437943.38	3725430.96	6.85E-03	1.71E-04	1.38E-03	3.45E-05	7.31E-03	1.63E-04	7.94E-04	1.66E-05
1985	437938.87	3725444.86	6.90E-03	1.75E-04	1.39E-03	3.55E-05	7.36E-03	1.67E-04	8.01E-04	1.71E-05
1986	437934.37	3725458.75	6.93E-03	1.78E-04	1.40E-03	3.64E-05	7.40E-03	1.72E-04	8.05E-04	1.76E-05
1987	437925.36	3725486.54	6.95E-03	1.84E-04	1.40E-03	3.83E-05	7.42E-03	1.80E-04	8.10E-04	1.87E-05
1988	437920.85	3725500.43	6.92E-03	1.87E-04	1.40E-03	3.91E-05	7.38E-03	1.85E-04	8.08E-04	1.92E-05
1989	437916.35	3725514.33	6.86E-03	1.89E-04	1.39E-03	4.00E-05	7.32E-03	1.89E-04	8.02E-04	1.97E-05
1990	437911.85	3725528.22	6.77E-03	1.90E-04	1.37E-03	4.07E-05	7.23E-03	1.92E-04	7.94E-04	2.01E-05
1991	437894.93	3725237.82	1.04E-02	2.04E-04	2.08E-03	3.50E-05	1.10E-02	1.64E-04	1.18E-03	1.54E-05

1992	437901.56	3725250.89	1.03E-02	2.04E-04	2.05E-03	3.54E-05	1.09E-02	1.66E-04	1.17E-03	1.57E-05
1993	437908.2	3725263.96	1.00E-02	2.03E-04	2.01E-03	3.57E-05	1.07E-02	1.67E-04	1.14E-03	1.59E-05
1994	437921.48	3725290.1	9.34E-03	1.96E-04	1.87E-03	3.53E-05	9.95E-03	1.66E-04	1.07E-03	1.60E-05
1995	437928.11	3725303.17	8.93E-03	1.91E-04	1.79E-03	3.49E-05	9.51E-03	1.64E-04	1.02E-03	1.59E-05
1996	437934.75	3725316.24	8.49E-03	1.85E-04	1.70E-03	3.43E-05	9.05E-03	1.61E-04	9.71E-04	1.58E-05
1997	437941.39	3725329.31	8.04E-03	1.79E-04	1.61E-03	3.36E-05	8.56E-03	1.58E-04	9.21E-04	1.56E-05
1998	437954.66	3725355.45	7.11E-03	1.65E-04	1.43E-03	3.19E-05	7.58E-03	1.50E-04	8.19E-04	1.50E-05
1999	437961.3	3725368.52	6.70E-03	1.59E-04	1.35E-03	3.11E-05	7.14E-03	1.46E-04	7.73E-04	1.47E-05
2000	437967.94	3725381.59	6.33E-03	1.53E-04	1.27E-03	3.03E-05	6.75E-03	1.43E-04	7.31E-04	1.44E-05
2001	437972.32	3725401.64	6.00E-03	1.49E-04	1.21E-03	2.98E-05	6.40E-03	1.41E-04	6.95E-04	1.43E-05
2002	437967.8	3725415.58	6.03E-03	1.51E-04	1.22E-03	3.05E-05	6.43E-03	1.44E-04	6.99E-04	1.47E-05
2003	437963.27	3725429.53	6.07E-03	1.53E-04	1.22E-03	3.12E-05	6.47E-03	1.47E-04	7.04E-04	1.51E-05
2004	437958.75	3725443.47	6.10E-03	1.56E-04	1.23E-03	3.19E-05	6.50E-03	1.50E-04	7.08E-04	1.54E-05
2005	437954.23	3725457.41	6.10E-03	1.58E-04	1.23E-03	3.25E-05	6.51E-03	1.53E-04	7.10E-04	1.58E-05
2006	437949.71	3725471.36	6.09E-03	1.60E-04	1.23E-03	3.31E-05	6.50E-03	1.56E-04	7.10E-04	1.61E-05
2007	437940.67	3725499.25	6.09E-03	1.64E-04	1.23E-03	3.45E-05	6.50E-03	1.63E-04	7.11E-04	1.69E-05
2008	437936.15	3725513.19	6.07E-03	1.67E-04	1.23E-03	3.53E-05	6.48E-03	1.66E-04	7.11E-04	1.74E-05
2009	437931.63	3725527.14	6.04E-03	1.69E-04	1.22E-03	3.60E-05	6.44E-03	1.70E-04	7.08E-04	1.78E-05
2010	437907.96	3725222.66	8.91E-03	1.77E-04	1.79E-03	3.08E-05	9.49E-03	1.45E-04	1.02E-03	1.37E-05
2011	437914.62	3725235.77	8.87E-03	1.79E-04	1.78E-03	3.13E-05	9.45E-03	1.47E-04	1.01E-03	1.40E-05
2012	437921.28	3725248.88	8.75E-03	1.79E-04	1.76E-03	3.17E-05	9.33E-03	1.49E-04	9.99E-04	1.42E-05
2013	437934.59	3725275.1	8.30E-03	1.75E-04	1.67E-03	3.18E-05	8.85E-03	1.49E-04	9.49E-04	1.45E-05
2014	437941.25	3725288.21	8.01E-03	1.72E-04	1.61E-03	3.16E-05	8.53E-03	1.49E-04	9.16E-04	1.45E-05
2015	437947.91	3725301.32	7.69E-03	1.68E-04	1.54E-03	3.13E-05	8.19E-03	1.47E-04	8.81E-04	1.44E-05
2016	437954.57	3725314.43	7.32E-03	1.64E-04	1.47E-03	3.08E-05	7.81E-03	1.45E-04	8.41E-04	1.43E-05
2017	437967.88	3725340.66	6.58E-03	1.53E-04	1.32E-03	2.95E-05	7.01E-03	1.39E-04	7.58E-04	1.39E-05
2018	437974.54	3725353.77	6.22E-03	1.47E-04	1.25E-03	2.88E-05	6.64E-03	1.36E-04	7.18E-04	1.37E-05
2019	437981.2	3725366.88	5.91E-03	1.43E-04	1.19E-03	2.82E-05	6.30E-03	1.33E-04	6.83E-04	1.34E-05
2020	437987.86	3725379.99	5.60E-03	1.38E-04	1.13E-03	2.75E-05	5.98E-03	1.30E-04	6.49E-04	1.32E-05
2021	437992.25	3725400.09	5.33E-03	1.34E-04	1.08E-03	2.71E-05	5.69E-03	1.28E-04	6.19E-04	1.31E-05
2022	437987.71	3725414.08	5.38E-03	1.36E-04	1.09E-03	2.78E-05	5.74E-03	1.31E-04	6.26E-04	1.34E-05
2023	437983.18	3725428.07	5.41E-03	1.38E-04	1.09E-03	2.83E-05	5.77E-03	1.34E-04	6.29E-04	1.37E-05
2024	437978.64	3725442.06	5.43E-03	1.40E-04	1.10E-03	2.89E-05	5.79E-03	1.36E-04	6.32E-04	1.40E-05
2025	437974.11	3725456.05	5.43E-03	1.42E-04	1.10E-03	2.93E-05	5.79E-03	1.38E-04	6.32E-04	1.43E-05
2026	437969.57	3725470.03	5.41E-03	1.43E-04	1.09E-03	2.97E-05	5.77E-03	1.40E-04	6.31E-04	1.45E-05
2027	437965.04	3725484.02	5.41E-03	1.45E-04	1.09E-03	3.02E-05	5.77E-03	1.43E-04	6.31E-04	1.48E-05
2028	437955.97	3725512	5.39E-03	1.48E-04	1.09E-03	3.13E-05	5.75E-03	1.48E-04	6.31E-04	1.54E-05
2029	437951.44	3725525.99	5.39E-03	1.50E-04	1.09E-03	3.20E-05	5.75E-03	1.51E-04	6.32E-04	1.58E-05
2030	437946.9	3725539.97	5.36E-03	1.52E-04	1.09E-03	3.26E-05	5.72E-03	1.54E-04	6.30E-04	1.62E-05
2031	437927.67	3725220.64	7.69E-03	1.57E-04	1.54E-03	2.78E-05	8.20E-03	1.31E-04	8.80E-04	1.25E-05
2032	437934.35	3725233.79	7.64E-03	1.58E-04	1.53E-03	2.82E-05	8.14E-03	1.33E-04	8.74E-04	1.27E-05
2033	437947.7	3725260.08	7.36E-03	1.57E-04	1.48E-03	2.86E-05	7.85E-03	1.34E-04	8.43E-04	1.31E-05
2034	437954.37	3725273.23	7.16E-03	1.55E-04	1.44E-03	2.86E-05	7.63E-03	1.34E-04	8.20E-04	1.31E-05
2035	437961.05	3725286.37	6.92E-03	1.52E-04	1.39E-03	2.84E-05	7.38E-03	1.34E-04	7.94E-04	1.32E-05
2036	437967.72	3725299.52	6.66E-03	1.49E-04	1.34E-03	2.82E-05	7.10E-03	1.33E-04	7.65E-04	1.31E-05
2037	437981.08	3725325.81	6.06E-03	1.41E-04	1.22E-03	2.73E-05	6.47E-03	1.28E-04	6.99E-04	1.29E-05
2038	437987.75	3725338.96	5.78E-03	1.37E-04	1.16E-03	2.67E-05	6.16E-03	1.26E-04	6.67E-04	1.27E-05
2039	437994.43	3725352.1	5.50E-03	1.32E-04	1.11E-03	2.62E-05	5.86E-03	1.23E-04	6.36E-04	1.25E-05
2040	438001.1	3725365.25	5.23E-03	1.28E-04	1.05E-03	2.56E-05	5.57E-03	1.21E-04	6.06E-04	1.23E-05
2041	438007.78	3725378.39	4.96E-03	1.24E-04	1.00E-03	2.50E-05	5.29E-03	1.18E-04	5.76E-04	1.20E-05
2042	438012.18	3725398.55	4.74E-03	1.21E-04	9.58E-04	2.46E-05	5.06E-03	1.16E-04	5.52E-04	1.19E-05
2043	438007.63	3725412.58	4.80E-03	1.23E-04	9.70E-04	2.53E-05	5.12E-03	1.19E-04	5.59E-04	1.23E-05
2044	438003.09	3725426.6	4.83E-03	1.25E-04	9.75E-04	2.57E-05	5.15E-03	1.21E-04	5.63E-04	1.25E-05
2045	437998.54	3725440.63	4.84E-03	1.26E-04	9.78E-04	2.62E-05	5.16E-03	1.23E-04	5.64E-04	1.28E-05
2046	437993.99	3725454.65	4.84E-03	1.28E-04	9.79E-04	2.66E-05	5.17E-03	1.25E-04	5.65E-04	1.30E-05
2047	437989.45	3725468.68	4.83E-03	1.29E-04	9.77E-04	2.69E-05	5.16E-03	1.27E-04	5.65E-04	1.32E-05
2048	437984.9	3725482.7	4.82E-03	1.30E-04	9.76E-04	2.73E-05	5.15E-03	1.29E-04	5.64E-04	1.34E-05

2049	437980.35	3725496.73	4.82E-03	1.31E-04	9.75E-04	2.77E-05	5.14E-03	1.31E-04	5.64E-04	1.36E-05
2050	437971.26	3725524.78	4.81E-03	1.34E-04	9.74E-04	2.86E-05	5.13E-03	1.35E-04	5.65E-04	1.41E-05
2051	437966.71	3725538.8	4.80E-03	1.35E-04	9.73E-04	2.91E-05	5.12E-03	1.37E-04	5.64E-04	1.44E-05
2052	437962.17	3725552.83	4.78E-03	1.37E-04	9.69E-04	2.96E-05	5.10E-03	1.40E-04	5.63E-04	1.47E-05
2053	437912.05	3725196.12	7.79E-03	1.55E-04	1.56E-03	2.70E-05	8.31E-03	1.27E-04	8.91E-04	1.20E-05
2054	437959.85	3725243.19	6.56E-03	1.40E-04	1.32E-03	2.58E-05	6.99E-03	1.21E-04	7.53E-04	1.18E-05
2055	437972.81	3725268.72	6.27E-03	1.38E-04	1.26E-03	2.59E-05	6.68E-03	1.22E-04	7.20E-04	1.20E-05
2056	437979.3	3725281.48	6.08E-03	1.36E-04	1.22E-03	2.58E-05	6.49E-03	1.21E-04	7.00E-04	1.20E-05
2057	437992.26	3725307.01	5.66E-03	1.31E-04	1.14E-03	2.53E-05	6.03E-03	1.19E-04	6.53E-04	1.19E-05
2058	437998.74	3725319.77	5.44E-03	1.28E-04	1.09E-03	2.50E-05	5.80E-03	1.18E-04	6.28E-04	1.18E-05
2059	438005.22	3725332.54	5.21E-03	1.25E-04	1.05E-03	2.46E-05	5.56E-03	1.16E-04	6.03E-04	1.17E-05
2060	438011.71	3725345.3	4.98E-03	1.21E-04	1.00E-03	2.41E-05	5.31E-03	1.14E-04	5.77E-04	1.15E-05
2061	438018.19	3725358.07	4.76E-03	1.17E-04	9.59E-04	2.36E-05	5.07E-03	1.11E-04	5.52E-04	1.14E-05
2062	438024.67	3725370.83	4.54E-03	1.14E-04	9.16E-04	2.31E-05	4.84E-03	1.09E-04	5.28E-04	1.12E-05
2063	438031.15	3725383.59	4.33E-03	1.10E-04	8.74E-04	2.25E-05	4.62E-03	1.06E-04	5.04E-04	1.09E-05
2064	438032.19	3725396.79	4.24E-03	1.09E-04	8.57E-04	2.25E-05	4.52E-03	1.06E-04	4.95E-04	1.09E-05
2065	438027.77	3725410.4	4.28E-03	1.11E-04	8.64E-04	2.29E-05	4.56E-03	1.08E-04	4.99E-04	1.12E-05
2066	438023.36	3725424.02	4.31E-03	1.13E-04	8.71E-04	2.34E-05	4.60E-03	1.10E-04	5.03E-04	1.14E-05
2067	438018.94	3725437.64	4.33E-03	1.14E-04	8.75E-04	2.38E-05	4.62E-03	1.12E-04	5.06E-04	1.16E-05
2068	438014.53	3725451.26	4.34E-03	1.15E-04	8.78E-04	2.41E-05	4.63E-03	1.14E-04	5.07E-04	1.18E-05
2069	438010.11	3725464.88	4.34E-03	1.16E-04	8.78E-04	2.44E-05	4.63E-03	1.15E-04	5.08E-04	1.20E-05
2070	438005.7	3725478.49	4.33E-03	1.17E-04	8.77E-04	2.47E-05	4.63E-03	1.16E-04	5.08E-04	1.21E-05
2071	438001.28	3725492.11	4.33E-03	1.18E-04	8.77E-04	2.50E-05	4.63E-03	1.18E-04	5.08E-04	1.23E-05
2072	437996.87	3725505.73	4.33E-03	1.19E-04	8.76E-04	2.53E-05	4.62E-03	1.19E-04	5.08E-04	1.25E-05
2073	437988.04	3725532.97	4.31E-03	1.21E-04	8.74E-04	2.60E-05	4.61E-03	1.23E-04	5.07E-04	1.29E-05
2074	437983.62	3725546.58	4.31E-03	1.23E-04	8.74E-04	2.64E-05	4.60E-03	1.25E-04	5.08E-04	1.31E-05
2075	437979.21	3725560.2	4.30E-03	1.24E-04	8.73E-04	2.69E-05	4.60E-03	1.27E-04	5.07E-04	1.34E-05
2076	437974.79	3725573.82	4.29E-03	1.25E-04	8.71E-04	2.74E-05	4.58E-03	1.29E-04	5.07E-04	1.37E-05
2077	437965.96	3725601.06	4.24E-03	1.28E-04	8.62E-04	2.83E-05	4.53E-03	1.34E-04	5.03E-04	1.42E-05
2078	438005.63	3725272.1	5.11E-03	1.17E-04	1.03E-03	2.25E-05	5.45E-03	1.06E-04	5.90E-04	1.06E-05
2079	438012.15	3725284.93	4.96E-03	1.15E-04	9.99E-04	2.24E-05	5.29E-03	1.05E-04	5.73E-04	1.06E-05
2080	438018.67	3725297.77	4.80E-03	1.13E-04	9.68E-04	2.22E-05	5.12E-03	1.04E-04	5.56E-04	1.05E-05
2081	438025.19	3725310.61	4.64E-03	1.11E-04	9.35E-04	2.19E-05	4.95E-03	1.03E-04	5.37E-04	1.05E-05
2082	438031.71	3725323.45	4.47E-03	1.09E-04	9.01E-04	2.17E-05	4.77E-03	1.02E-04	5.18E-04	1.04E-05
2083	438038.23	3725336.28	4.30E-03	1.06E-04	8.67E-04	2.13E-05	4.58E-03	1.01E-04	4.99E-04	1.03E-05
2084	438044.74	3725349.12	4.13E-03	1.03E-04	8.33E-04	2.10E-05	4.40E-03	9.89E-05	4.80E-04	1.01E-05
2085	438051.26	3725361.96	3.96E-03	1.01E-04	7.99E-04	2.06E-05	4.22E-03	9.69E-05	4.61E-04	9.96E-06
2086	438057.78	3725374.8	3.78E-03	9.74E-05	7.64E-04	2.01E-05	4.03E-03	9.47E-05	4.41E-04	9.77E-06
2087	438062.08	3725394.48	3.63E-03	9.51E-05	7.34E-04	1.98E-05	3.87E-03	9.32E-05	4.24E-04	9.66E-06
2088	438057.64	3725408.18	3.66E-03	9.65E-05	7.40E-04	2.01E-05	3.90E-03	9.49E-05	4.28E-04	9.85E-06
2089	438053.2	3725421.87	3.68E-03	9.77E-05	7.44E-04	2.04E-05	3.92E-03	9.65E-05	4.30E-04	1.00E-05
2090	438048.76	3725435.57	3.70E-03	9.88E-05	7.48E-04	2.08E-05	3.94E-03	9.80E-05	4.33E-04	1.02E-05
2091	438044.32	3725449.26	3.71E-03	1.00E-04	7.52E-04	2.11E-05	3.96E-03	9.95E-05	4.35E-04	1.04E-05
2092	438039.88	3725462.96	3.73E-03	1.01E-04	7.55E-04	2.14E-05	3.98E-03	1.01E-04	4.38E-04	1.05E-05
2093	438035.44	3725476.66	3.74E-03	1.02E-04	7.57E-04	2.17E-05	3.99E-03	1.02E-04	4.39E-04	1.07E-05
2094	438031	3725490.35	3.73E-03	1.03E-04	7.56E-04	2.19E-05	3.99E-03	1.03E-04	4.39E-04	1.08E-05
2095	438026.56	3725504.05	3.73E-03	1.03E-04	7.55E-04	2.21E-05	3.98E-03	1.04E-04	4.38E-04	1.09E-05
2096	438022.12	3725517.74	3.73E-03	1.04E-04	7.55E-04	2.23E-05	3.98E-03	1.05E-04	4.38E-04	1.10E-05
2097	438008.8	3725558.83	3.72E-03	1.07E-04	7.54E-04	2.31E-05	3.97E-03	1.09E-04	4.38E-04	1.15E-05
2098	438004.36	3725572.53	3.72E-03	1.08E-04	7.55E-04	2.35E-05	3.97E-03	1.11E-04	4.39E-04	1.17E-05
2099	437999.92	3725586.22	3.72E-03	1.09E-04	7.56E-04	2.39E-05	3.98E-03	1.13E-04	4.40E-04	1.20E-05
2100	438031.98	3725262.75	4.35E-03	1.01E-04	8.77E-04	1.98E-05	4.64E-03	9.33E-05	5.04E-04	9.38E-06
2101	438045.08	3725288.55	4.11E-03	9.87E-05	8.30E-04	1.96E-05	4.39E-03	9.23E-05	4.77E-04	9.35E-06
2102	438051.63	3725301.45	3.98E-03	9.69E-05	8.03E-04	1.94E-05	4.24E-03	9.13E-05	4.62E-04	9.29E-06
2103	438058.18	3725314.35	3.84E-03	9.49E-05	7.75E-04	1.91E-05	4.10E-03	9.02E-05	4.47E-04	9.21E-06
2104	438064.73	3725327.25	3.70E-03	9.27E-05	7.48E-04	1.88E-05	3.95E-03	8.89E-05	4.31E-04	9.11E-06
2105	438071.28	3725340.14	3.58E-03	9.08E-05	7.23E-04	1.86E-05	3.82E-03	8.77E-05	4.17E-04	9.02E-06

2106	438077.83	3725353.04	3.45E-03	8.88E-05	6.98E-04	1.83E-05	3.68E-03	8.63E-05	4.03E-04	8.91E-06
2107	438084.38	3725365.94	3.31E-03	8.64E-05	6.70E-04	1.79E-05	3.54E-03	8.46E-05	3.88E-04	8.75E-06
2108	438090.93	3725378.84	3.18E-03	8.39E-05	6.44E-04	1.75E-05	3.40E-03	8.27E-05	3.73E-04	8.59E-06
2109	438091.98	3725392.17	3.13E-03	8.34E-05	6.34E-04	1.75E-05	3.34E-03	8.26E-05	3.67E-04	8.59E-06
2110	438087.52	3725405.93	3.16E-03	8.47E-05	6.40E-04	1.78E-05	3.37E-03	8.41E-05	3.71E-04	8.76E-06
2111	438083.06	3725419.69	3.18E-03	8.58E-05	6.45E-04	1.81E-05	3.40E-03	8.54E-05	3.74E-04	8.91E-06
2112	438078.6	3725433.45	3.20E-03	8.67E-05	6.47E-04	1.83E-05	3.41E-03	8.66E-05	3.75E-04	9.04E-06
2113	438074.13	3725447.22	3.21E-03	8.75E-05	6.50E-04	1.86E-05	3.42E-03	8.76E-05	3.77E-04	9.16E-06
2114	438069.67	3725460.98	3.22E-03	8.84E-05	6.53E-04	1.88E-05	3.44E-03	8.89E-05	3.79E-04	9.30E-06
2115	438065.21	3725474.74	3.24E-03	8.94E-05	6.56E-04	1.91E-05	3.46E-03	9.00E-05	3.81E-04	9.43E-06
2116	438060.75	3725488.5	3.25E-03	9.01E-05	6.58E-04	1.93E-05	3.46E-03	9.10E-05	3.82E-04	9.54E-06
2117	438056.29	3725502.26	3.25E-03	9.07E-05	6.58E-04	1.95E-05	3.47E-03	9.19E-05	3.82E-04	9.64E-06
2118	438051.83	3725516.02	3.25E-03	9.13E-05	6.59E-04	1.96E-05	3.47E-03	9.27E-05	3.83E-04	9.75E-06
2119	438047.37	3725529.78	3.25E-03	9.19E-05	6.59E-04	1.98E-05	3.47E-03	9.37E-05	3.83E-04	9.86E-06
2120	438042.9	3725543.55	3.25E-03	9.26E-05	6.59E-04	2.00E-05	3.47E-03	9.47E-05	3.83E-04	9.98E-06
2121	438029.52	3725584.83	3.26E-03	9.52E-05	6.62E-04	2.08E-05	3.48E-03	9.85E-05	3.86E-04	1.04E-05
2122	438025.06	3725598.59	3.26E-03	9.62E-05	6.63E-04	2.12E-05	3.48E-03	1.00E-04	3.86E-04	1.06E-05
2123	438020.6	3725612.35	3.26E-03	9.72E-05	6.62E-04	2.15E-05	3.48E-03	1.01E-04	3.86E-04	1.08E-05
2124	438011.67	3725639.88	3.23E-03	9.89E-05	6.57E-04	2.21E-05	3.45E-03	1.04E-04	3.84E-04	1.11E-05
2125	438078.08	3725292.29	3.44E-03	8.52E-05	6.95E-04	1.72E-05	3.67E-03	8.11E-05	4.01E-04	8.30E-06
2126	438084.66	3725305.24	3.34E-03	8.37E-05	6.75E-04	1.70E-05	3.56E-03	8.04E-05	3.90E-04	8.24E-06
2127	438091.23	3725318.19	3.24E-03	8.22E-05	6.54E-04	1.68E-05	3.45E-03	7.94E-05	3.78E-04	8.17E-06
2128	438097.81	3725331.14	3.13E-03	8.05E-05	6.33E-04	1.66E-05	3.34E-03	7.84E-05	3.66E-04	8.09E-06
2129	438104.39	3725344.09	3.02E-03	7.87E-05	6.11E-04	1.63E-05	3.22E-03	7.71E-05	3.54E-04	7.98E-06
2130	438110.96	3725357.04	2.91E-03	7.67E-05	5.89E-04	1.60E-05	3.11E-03	7.57E-05	3.41E-04	7.85E-06
2131	438117.54	3725369.99	2.80E-03	7.48E-05	5.68E-04	1.57E-05	2.99E-03	7.42E-05	3.29E-04	7.72E-06
2132	438121.88	3725389.85	2.72E-03	7.35E-05	5.51E-04	1.55E-05	2.90E-03	7.34E-05	3.20E-04	7.66E-06
2133	438117.4	3725403.67	2.75E-03	7.47E-05	5.57E-04	1.58E-05	2.94E-03	7.48E-05	3.23E-04	7.81E-06
2134	438112.92	3725417.49	2.78E-03	7.58E-05	5.63E-04	1.61E-05	2.96E-03	7.61E-05	3.27E-04	7.96E-06
2135	438108.44	3725431.31	2.79E-03	7.66E-05	5.65E-04	1.63E-05	2.98E-03	7.70E-05	3.28E-04	8.07E-06
2136	438103.96	3725445.12	2.80E-03	7.72E-05	5.67E-04	1.65E-05	2.99E-03	7.79E-05	3.29E-04	8.17E-06
2137	438099.48	3725458.94	2.82E-03	7.82E-05	5.71E-04	1.67E-05	3.01E-03	7.90E-05	3.32E-04	8.29E-06
2138	438095	3725472.76	2.84E-03	7.91E-05	5.75E-04	1.70E-05	3.03E-03	8.02E-05	3.34E-04	8.42E-06
2139	438090.52	3725486.58	2.85E-03	7.99E-05	5.78E-04	1.72E-05	3.04E-03	8.12E-05	3.36E-04	8.53E-06
2140	438086.04	3725500.39	2.86E-03	8.06E-05	5.80E-04	1.74E-05	3.05E-03	8.20E-05	3.37E-04	8.63E-06
2141	438081.56	3725514.21	2.86E-03	8.10E-05	5.81E-04	1.75E-05	3.06E-03	8.27E-05	3.38E-04	8.71E-06
2142	438077.08	3725528.03	2.86E-03	8.14E-05	5.81E-04	1.76E-05	3.05E-03	8.33E-05	3.38E-04	8.78E-06
2143	438072.6	3725541.85	2.86E-03	8.18E-05	5.80E-04	1.78E-05	3.05E-03	8.39E-05	3.38E-04	8.85E-06
2144	438068.12	3725555.66	2.86E-03	8.22E-05	5.80E-04	1.79E-05	3.05E-03	8.45E-05	3.38E-04	8.93E-06
2145	438054.69	3725597.11	2.88E-03	8.47E-05	5.85E-04	1.86E-05	3.08E-03	8.79E-05	3.41E-04	9.32E-06
2146	438050.21	3725610.93	2.88E-03	8.55E-05	5.86E-04	1.89E-05	3.08E-03	8.91E-05	3.42E-04	9.46E-06
2147	438045.73	3725624.75	2.88E-03	8.62E-05	5.85E-04	1.91E-05	3.07E-03	9.02E-05	3.42E-04	9.59E-06
2148	438041.25	3725638.57	2.87E-03	8.68E-05	5.83E-04	1.93E-05	3.06E-03	9.12E-05	3.41E-04	9.72E-06
2149	438104.53	3725283.13	3.01E-03	7.55E-05	6.08E-04	1.54E-05	3.21E-03	7.27E-05	3.51E-04	7.46E-06
2150	438111.13	3725296.13	2.93E-03	7.45E-05	5.93E-04	1.53E-05	3.13E-03	7.21E-05	3.43E-04	7.43E-06
2151	438117.73	3725309.12	2.84E-03	7.31E-05	5.75E-04	1.51E-05	3.03E-03	7.13E-05	3.33E-04	7.36E-06
2152	438124.33	3725322.12	2.75E-03	7.16E-05	5.57E-04	1.49E-05	2.94E-03	7.03E-05	3.22E-04	7.28E-06
2153	438130.93	3725335.12	2.66E-03	7.01E-05	5.39E-04	1.47E-05	2.84E-03	6.92E-05	3.12E-04	7.18E-06
2154	438137.53	3725348.11	2.57E-03	6.85E-05	5.21E-04	1.44E-05	2.74E-03	6.80E-05	3.02E-04	7.08E-06
2155	438144.13	3725361.11	2.48E-03	6.69E-05	5.04E-04	1.42E-05	2.65E-03	6.68E-05	2.92E-04	6.97E-06
2156	438150.73	3725374.1	2.40E-03	6.53E-05	4.86E-04	1.39E-05	2.56E-03	6.55E-05	2.82E-04	6.85E-06
2157	438151.78	3725387.54	2.37E-03	6.50E-05	4.81E-04	1.39E-05	2.53E-03	6.55E-05	2.80E-04	6.85E-06
2158	438147.28	3725401.4	2.40E-03	6.61E-05	4.87E-04	1.41E-05	2.57E-03	6.67E-05	2.83E-04	6.99E-06
2159	438142.79	3725415.27	2.43E-03	6.72E-05	4.93E-04	1.44E-05	2.60E-03	6.80E-05	2.87E-04	7.13E-06
2160	438138.29	3725429.13	2.45E-03	6.82E-05	4.98E-04	1.46E-05	2.62E-03	6.90E-05	2.89E-04	7.25E-06
2161	438133.8	3725443	2.47E-03	6.90E-05	5.01E-04	1.48E-05	2.64E-03	7.00E-05	2.92E-04	7.36E-06
2162	438129.3	3725456.86	2.48E-03	6.97E-05	5.04E-04	1.50E-05	2.65E-03	7.09E-05	2.93E-04	7.45E-06

2163	438124.81	3725470.73	2.50E-03	7.03E-05	5.07E-04	1.52E-05	2.67E-03	7.17E-05	2.95E-04	7.54E-06
2164	438120.31	3725484.59	2.51E-03	7.11E-05	5.10E-04	1.54E-05	2.68E-03	7.26E-05	2.97E-04	7.64E-06
2165	438115.82	3725498.46	2.53E-03	7.18E-05	5.13E-04	1.56E-05	2.70E-03	7.35E-05	2.99E-04	7.75E-06
2166	438111.32	3725512.33	2.54E-03	7.25E-05	5.16E-04	1.57E-05	2.72E-03	7.43E-05	3.01E-04	7.84E-06
2167	438106.83	3725526.19	2.55E-03	7.30E-05	5.18E-04	1.59E-05	2.72E-03	7.50E-05	3.02E-04	7.92E-06
2168	438102.33	3725540.06	2.55E-03	7.34E-05	5.18E-04	1.60E-05	2.72E-03	7.55E-05	3.02E-04	7.98E-06
2169	438097.84	3725553.92	2.55E-03	7.38E-05	5.19E-04	1.61E-05	2.73E-03	7.61E-05	3.02E-04	8.05E-06
2170	438093.34	3725567.79	2.55E-03	7.42E-05	5.19E-04	1.62E-05	2.73E-03	7.66E-05	3.02E-04	8.11E-06
2171	438088.85	3725581.65	2.56E-03	7.47E-05	5.20E-04	1.64E-05	2.73E-03	7.74E-05	3.03E-04	8.20E-06
2172	438075.36	3725623.25	2.57E-03	7.67E-05	5.23E-04	1.70E-05	2.75E-03	8.01E-05	3.05E-04	8.52E-06
2173	438070.87	3725637.12	2.57E-03	7.72E-05	5.22E-04	1.71E-05	2.74E-03	8.09E-05	3.05E-04	8.62E-06
2174	438066.37	3725650.98	2.56E-03	7.76E-05	5.20E-04	1.73E-05	2.73E-03	8.17E-05	3.04E-04	8.71E-06
2175	438057.38	3725678.71	2.53E-03	7.85E-05	5.16E-04	1.77E-05	2.71E-03	8.34E-05	3.02E-04	8.93E-06
2176	438137.6	3725287.01	2.57E-03	6.62E-05	5.21E-04	1.37E-05	2.75E-03	6.47E-05	3.01E-04	6.69E-06
2177	438144.22	3725300.04	2.50E-03	6.51E-05	5.06E-04	1.36E-05	2.67E-03	6.40E-05	2.93E-04	6.63E-06
2178	438150.84	3725313.08	2.42E-03	6.38E-05	4.91E-04	1.34E-05	2.59E-03	6.31E-05	2.84E-04	6.55E-06
2179	438157.46	3725326.12	2.34E-03	6.25E-05	4.75E-04	1.32E-05	2.50E-03	6.21E-05	2.76E-04	6.47E-06
2180	438164.08	3725339.15	2.28E-03	6.13E-05	4.62E-04	1.30E-05	2.43E-03	6.12E-05	2.68E-04	6.39E-06
2181	438170.7	3725352.19	2.21E-03	6.00E-05	4.48E-04	1.28E-05	2.36E-03	6.03E-05	2.60E-04	6.30E-06
2182	438177.32	3725365.22	2.14E-03	5.87E-05	4.34E-04	1.25E-05	2.28E-03	5.92E-05	2.52E-04	6.20E-06
2183	438181.68	3725385.21	2.09E-03	5.79E-05	4.24E-04	1.24E-05	2.23E-03	5.87E-05	2.47E-04	6.17E-06
2184	438177.17	3725399.12	2.11E-03	5.89E-05	4.29E-04	1.27E-05	2.26E-03	5.98E-05	2.50E-04	6.29E-06
2185	438172.66	3725413.03	2.14E-03	5.98E-05	4.34E-04	1.29E-05	2.28E-03	6.09E-05	2.53E-04	6.40E-06
2186	438168.15	3725426.94	2.16E-03	6.08E-05	4.39E-04	1.31E-05	2.31E-03	6.19E-05	2.56E-04	6.52E-06
2187	438163.65	3725440.84	2.18E-03	6.16E-05	4.44E-04	1.33E-05	2.33E-03	6.29E-05	2.58E-04	6.63E-06
2188	438159.14	3725454.75	2.20E-03	6.23E-05	4.47E-04	1.35E-05	2.35E-03	6.37E-05	2.60E-04	6.72E-06
2189	438154.63	3725468.66	2.21E-03	6.29E-05	4.49E-04	1.36E-05	2.36E-03	6.44E-05	2.62E-04	6.79E-06
2190	438150.12	3725482.57	2.22E-03	6.35E-05	4.52E-04	1.38E-05	2.38E-03	6.51E-05	2.63E-04	6.88E-06
2191	438145.61	3725496.48	2.24E-03	6.41E-05	4.55E-04	1.40E-05	2.39E-03	6.59E-05	2.65E-04	6.96E-06
2192	438141.1	3725510.38	2.25E-03	6.48E-05	4.58E-04	1.41E-05	2.41E-03	6.67E-05	2.67E-04	7.05E-06
2193	438136.59	3725524.29	2.27E-03	6.55E-05	4.62E-04	1.43E-05	2.43E-03	6.75E-05	2.69E-04	7.14E-06
2194	438132.08	3725538.2	2.29E-03	6.62E-05	4.65E-04	1.45E-05	2.44E-03	6.84E-05	2.71E-04	7.23E-06
2195	438127.57	3725552.11	2.29E-03	6.65E-05	4.65E-04	1.46E-05	2.44E-03	6.88E-05	2.71E-04	7.28E-06
2196	438123.07	3725566.01	2.29E-03	6.67E-05	4.65E-04	1.46E-05	2.44E-03	6.91E-05	2.71E-04	7.33E-06
2197	438118.56	3725579.92	2.30E-03	6.73E-05	4.67E-04	1.48E-05	2.45E-03	6.99E-05	2.73E-04	7.41E-06
2198	438114.05	3725593.83	2.30E-03	6.78E-05	4.68E-04	1.49E-05	2.46E-03	7.05E-05	2.73E-04	7.48E-06
2199	438109.54	3725607.74	2.30E-03	6.82E-05	4.69E-04	1.50E-05	2.46E-03	7.11E-05	2.74E-04	7.55E-06
2200	438100.52	3725635.55	2.30E-03	6.90E-05	4.69E-04	1.53E-05	2.46E-03	7.23E-05	2.74E-04	7.70E-06
2201	438096.01	3725649.46	2.30E-03	6.94E-05	4.68E-04	1.55E-05	2.46E-03	7.30E-05	2.74E-04	7.78E-06
2202	438091.5	3725663.37	2.30E-03	6.99E-05	4.68E-04	1.56E-05	2.45E-03	7.37E-05	2.74E-04	7.87E-06
2203	438087	3725677.28	2.29E-03	7.03E-05	4.66E-04	1.58E-05	2.45E-03	7.44E-05	2.73E-04	7.95E-06
2204	438082.49	3725691.18	2.28E-03	7.07E-05	4.64E-04	1.59E-05	2.44E-03	7.51E-05	2.72E-04	8.04E-06
2205	438170.7	3725290.96	2.21E-03	5.83E-05	4.48E-04	1.22E-05	2.36E-03	5.77E-05	2.60E-04	6.00E-06
2206	438177.34	3725304.03	2.15E-03	5.74E-05	4.37E-04	1.21E-05	2.30E-03	5.71E-05	2.53E-04	5.95E-06
2207	438183.97	3725317.1	2.09E-03	5.63E-05	4.25E-04	1.19E-05	2.24E-03	5.63E-05	2.47E-04	5.88E-06
2208	438190.61	3725330.17	2.03E-03	5.53E-05	4.12E-04	1.18E-05	2.17E-03	5.55E-05	2.40E-04	5.81E-06
2209	438197.25	3725343.24	1.97E-03	5.41E-05	4.00E-04	1.16E-05	2.11E-03	5.46E-05	2.33E-04	5.73E-06
2210	438203.89	3725356.31	1.91E-03	5.30E-05	3.89E-04	1.14E-05	2.04E-03	5.37E-05	2.26E-04	5.64E-06
2211	438210.52	3725369.38	1.86E-03	5.19E-05	3.77E-04	1.12E-05	1.98E-03	5.28E-05	2.20E-04	5.55E-06
2212	438211.58	3725382.89	1.84E-03	5.17E-05	3.74E-04	1.12E-05	1.97E-03	5.28E-05	2.18E-04	5.56E-06
2213	438207.06	3725396.83	1.87E-03	5.27E-05	3.79E-04	1.14E-05	2.00E-03	5.38E-05	2.21E-04	5.67E-06
2214	438202.54	3725410.78	1.89E-03	5.36E-05	3.84E-04	1.16E-05	2.02E-03	5.48E-05	2.24E-04	5.78E-06
2215	438198.02	3725424.72	1.92E-03	5.44E-05	3.89E-04	1.18E-05	2.05E-03	5.58E-05	2.27E-04	5.89E-06
2216	438193.5	3725438.67	1.94E-03	5.53E-05	3.94E-04	1.20E-05	2.07E-03	5.68E-05	2.30E-04	5.99E-06
2217	438188.98	3725452.61	1.96E-03	5.61E-05	3.99E-04	1.22E-05	2.09E-03	5.76E-05	2.32E-04	6.09E-06
2218	438184.46	3725466.56	1.97E-03	5.65E-05	4.00E-04	1.23E-05	2.11E-03	5.82E-05	2.34E-04	6.15E-06
2219	438179.94	3725480.5	1.98E-03	5.70E-05	4.03E-04	1.25E-05	2.12E-03	5.88E-05	2.35E-04	6.22E-06

2220	438175.42	3725494.45	2.00E-03	5.76E-05	4.06E-04	1.26E-05	2.13E-03	5.95E-05	2.37E-04	6.29E-06
2221	438170.9	3725508.39	2.01E-03	5.82E-05	4.08E-04	1.27E-05	2.15E-03	6.01E-05	2.38E-04	6.37E-06
2222	438166.37	3725522.34	2.02E-03	5.87E-05	4.11E-04	1.29E-05	2.16E-03	6.07E-05	2.40E-04	6.43E-06
2223	438161.85	3725536.28	2.03E-03	5.92E-05	4.13E-04	1.30E-05	2.17E-03	6.13E-05	2.41E-04	6.50E-06
2224	438157.33	3725550.23	2.05E-03	5.98E-05	4.16E-04	1.31E-05	2.19E-03	6.20E-05	2.43E-04	6.58E-06
2225	438152.81	3725564.17	2.06E-03	6.03E-05	4.18E-04	1.33E-05	2.20E-03	6.26E-05	2.44E-04	6.64E-06
2226	438148.29	3725578.12	2.07E-03	6.08E-05	4.20E-04	1.34E-05	2.21E-03	6.33E-05	2.46E-04	6.71E-06
2227	438143.77	3725592.06	2.08E-03	6.13E-05	4.23E-04	1.35E-05	2.22E-03	6.39E-05	2.47E-04	6.79E-06
2228	438139.25	3725606.01	2.08E-03	6.17E-05	4.23E-04	1.36E-05	2.22E-03	6.44E-05	2.47E-04	6.84E-06
2229	438134.73	3725619.95	2.08E-03	6.19E-05	4.23E-04	1.37E-05	2.22E-03	6.48E-05	2.47E-04	6.89E-06
2230	438121.17	3725661.79	2.07E-03	6.28E-05	4.22E-04	1.40E-05	2.22E-03	6.62E-05	2.47E-04	7.06E-06
2231	438223.79	3725334.27	1.78E-03	4.92E-05	3.61E-04	1.06E-05	1.90E-03	4.99E-05	2.10E-04	5.24E-06
2232	438230.45	3725347.37	1.73E-03	4.82E-05	3.51E-04	1.04E-05	1.85E-03	4.91E-05	2.05E-04	5.17E-06
2233	438237.1	3725360.47	1.68E-03	4.73E-05	3.41E-04	1.02E-05	1.79E-03	4.83E-05	1.99E-04	5.09E-06
2234	438241.49	3725380.56	1.64E-03	4.66E-05	3.34E-04	1.01E-05	1.75E-03	4.79E-05	1.95E-04	5.05E-06
2235	438236.95	3725394.54	1.66E-03	4.74E-05	3.38E-04	1.03E-05	1.78E-03	4.87E-05	1.97E-04	5.15E-06
2236	438232.42	3725408.52	1.69E-03	4.82E-05	3.43E-04	1.05E-05	1.80E-03	4.96E-05	2.00E-04	5.24E-06
2237	438227.89	3725422.49	1.71E-03	4.89E-05	3.47E-04	1.07E-05	1.82E-03	5.04E-05	2.02E-04	5.33E-06
2238	438223.36	3725436.47	1.72E-03	4.96E-05	3.50E-04	1.08E-05	1.84E-03	5.11E-05	2.04E-04	5.41E-06
2239	438218.83	3725450.45	1.74E-03	5.02E-05	3.54E-04	1.10E-05	1.86E-03	5.19E-05	2.06E-04	5.49E-06
2240	438214.3	3725464.43	1.75E-03	5.08E-05	3.57E-04	1.11E-05	1.87E-03	5.25E-05	2.08E-04	5.56E-06
2241	438209.77	3725478.41	1.77E-03	5.14E-05	3.60E-04	1.13E-05	1.89E-03	5.32E-05	2.10E-04	5.64E-06
2242	438205.23	3725492.38	1.79E-03	5.20E-05	3.63E-04	1.14E-05	1.91E-03	5.39E-05	2.12E-04	5.71E-06
2243	438200.7	3725506.36	1.80E-03	5.25E-05	3.66E-04	1.15E-05	1.92E-03	5.45E-05	2.14E-04	5.78E-06
2244	438196.17	3725520.34	1.81E-03	5.30E-05	3.69E-04	1.17E-05	1.94E-03	5.51E-05	2.15E-04	5.84E-06
2245	438191.64	3725534.32	1.82E-03	5.34E-05	3.71E-04	1.18E-05	1.95E-03	5.56E-05	2.17E-04	5.90E-06
2246	438187.11	3725548.29	1.84E-03	5.40E-05	3.74E-04	1.19E-05	1.96E-03	5.62E-05	2.18E-04	5.97E-06
2247	438182.58	3725562.27	1.85E-03	5.45E-05	3.76E-04	1.20E-05	1.98E-03	5.68E-05	2.20E-04	6.03E-06
2248	438178.04	3725576.25	1.86E-03	5.49E-05	3.78E-04	1.21E-05	1.99E-03	5.73E-05	2.21E-04	6.09E-06
2249	438173.51	3725590.23	1.87E-03	5.53E-05	3.80E-04	1.22E-05	1.99E-03	5.78E-05	2.22E-04	6.14E-06
2250	438168.98	3725604.21	1.87E-03	5.57E-05	3.81E-04	1.23E-05	2.00E-03	5.83E-05	2.23E-04	6.20E-06
2251	438164.45	3725618.18	1.88E-03	5.60E-05	3.82E-04	1.24E-05	2.01E-03	5.87E-05	2.24E-04	6.24E-06
2252	438159.92	3725632.16	1.88E-03	5.63E-05	3.83E-04	1.25E-05	2.01E-03	5.91E-05	2.24E-04	6.29E-06
2253	438155.39	3725646.14	1.88E-03	5.66E-05	3.83E-04	1.26E-05	2.01E-03	5.95E-05	2.24E-04	6.34E-06
2254	438132.73	3725716.03	1.88E-03	5.83E-05	3.83E-04	1.31E-05	2.01E-03	6.21E-05	2.25E-04	6.65E-06
2255	438128.2	3725730.01	1.87E-03	5.85E-05	3.81E-04	1.32E-05	2.00E-03	6.25E-05	2.23E-04	6.70E-06
2256	438271.39	3725378.23	1.47E-03	4.23E-05	3.00E-04	9.24E-06	1.58E-03	4.36E-05	1.75E-04	4.62E-06
2257	438266.85	3725392.24	1.49E-03	4.29E-05	3.04E-04	9.39E-06	1.59E-03	4.44E-05	1.77E-04	4.70E-06
2258	438262.31	3725406.25	1.51E-03	4.36E-05	3.08E-04	9.56E-06	1.62E-03	4.51E-05	1.80E-04	4.78E-06
2259	438257.77	3725420.25	1.53E-03	4.43E-05	3.11E-04	9.71E-06	1.63E-03	4.59E-05	1.82E-04	4.86E-06
2260	438253.23	3725434.26	1.54E-03	4.48E-05	3.14E-04	9.84E-06	1.65E-03	4.65E-05	1.84E-04	4.93E-06
2261	438248.68	3725448.27	1.56E-03	4.54E-05	3.17E-04	9.97E-06	1.67E-03	4.71E-05	1.85E-04	4.99E-06
2262	438244.14	3725462.28	1.57E-03	4.59E-05	3.20E-04	1.01E-05	1.68E-03	4.77E-05	1.87E-04	5.06E-06
2263	438239.6	3725476.28	1.59E-03	4.64E-05	3.23E-04	1.02E-05	1.69E-03	4.82E-05	1.89E-04	5.12E-06
2264	438235.06	3725490.29	1.60E-03	4.70E-05	3.26E-04	1.04E-05	1.71E-03	4.89E-05	1.91E-04	5.19E-06
2265	438230.52	3725504.3	1.62E-03	4.76E-05	3.30E-04	1.05E-05	1.73E-03	4.96E-05	1.93E-04	5.26E-06
2266	438225.98	3725518.3	1.63E-03	4.80E-05	3.32E-04	1.06E-05	1.74E-03	5.01E-05	1.94E-04	5.32E-06
2267	438221.44	3725532.31	1.64E-03	4.85E-05	3.34E-04	1.07E-05	1.76E-03	5.06E-05	1.96E-04	5.38E-06
2268	438216.9	3725546.32	1.65E-03	4.89E-05	3.36E-04	1.08E-05	1.77E-03	5.11E-05	1.97E-04	5.43E-06
2269	438212.36	3725560.33	1.66E-03	4.93E-05	3.38E-04	1.09E-05	1.78E-03	5.15E-05	1.98E-04	5.48E-06
2270	438207.82	3725574.33	1.67E-03	4.97E-05	3.41E-04	1.10E-05	1.79E-03	5.20E-05	1.99E-04	5.53E-06
2271	438203.27	3725588.34	1.68E-03	5.01E-05	3.43E-04	1.11E-05	1.80E-03	5.25E-05	2.00E-04	5.58E-06
2272	438198.73	3725602.35	1.69E-03	5.04E-05	3.44E-04	1.12E-05	1.81E-03	5.29E-05	2.01E-04	5.63E-06
2273	438194.19	3725616.35	1.70E-03	5.08E-05	3.46E-04	1.13E-05	1.82E-03	5.33E-05	2.02E-04	5.68E-06
2274	438189.65	3725630.36	1.71E-03	5.12E-05	3.47E-04	1.14E-05	1.82E-03	5.38E-05	2.03E-04	5.73E-06
2275	438185.11	3725644.37	1.71E-03	5.15E-05	3.48E-04	1.15E-05	1.83E-03	5.42E-05	2.04E-04	5.78E-06
2276	438180.57	3725658.38	1.71E-03	5.18E-05	3.49E-04	1.15E-05	1.83E-03	5.46E-05	2.04E-04	5.82E-06

2277	438166.95	3725700.4	1.72E-03	5.26E-05	3.50E-04	1.18E-05	1.83E-03	5.58E-05	2.05E-04	5.97E-06
2278	438162.4	3725714.4	1.71E-03	5.28E-05	3.49E-04	1.19E-05	1.83E-03	5.62E-05	2.05E-04	6.01E-06
2279	438157.86	3725728.41	1.71E-03	5.31E-05	3.48E-04	1.20E-05	1.83E-03	5.66E-05	2.04E-04	6.06E-06
2280	438153.32	3725742.42	1.70E-03	5.33E-05	3.47E-04	1.21E-05	1.82E-03	5.70E-05	2.04E-04	6.12E-06
2281	438148.78	3725756.43	1.70E-03	5.35E-05	3.46E-04	1.21E-05	1.81E-03	5.74E-05	2.03E-04	6.17E-06
2282	438292.19	3725403.97	1.36E-03	3.97E-05	2.78E-04	8.73E-06	1.46E-03	4.13E-05	1.62E-04	4.38E-06
2283	438287.64	3725418	1.38E-03	4.03E-05	2.81E-04	8.87E-06	1.47E-03	4.19E-05	1.64E-04	4.45E-06
2284	438283.1	3725432.04	1.39E-03	4.08E-05	2.84E-04	8.99E-06	1.49E-03	4.24E-05	1.66E-04	4.51E-06
2285	438278.55	3725446.07	1.41E-03	4.12E-05	2.86E-04	9.10E-06	1.50E-03	4.30E-05	1.67E-04	4.56E-06
2286	438274	3725460.1	1.42E-03	4.18E-05	2.89E-04	9.22E-06	1.52E-03	4.36E-05	1.69E-04	4.63E-06
2287	438269.45	3725474.14	1.43E-03	4.22E-05	2.92E-04	9.34E-06	1.53E-03	4.41E-05	1.71E-04	4.69E-06
2288	438264.9	3725488.17	1.45E-03	4.27E-05	2.94E-04	9.45E-06	1.54E-03	4.46E-05	1.72E-04	4.74E-06
2289	438260.35	3725502.2	1.46E-03	4.32E-05	2.97E-04	9.55E-06	1.56E-03	4.51E-05	1.74E-04	4.80E-06
2290	438255.8	3725516.24	1.47E-03	4.36E-05	2.99E-04	9.66E-06	1.57E-03	4.56E-05	1.75E-04	4.85E-06
2291	438251.25	3725530.27	1.48E-03	4.40E-05	3.02E-04	9.75E-06	1.58E-03	4.61E-05	1.76E-04	4.90E-06
2292	438246.7	3725544.3	1.49E-03	4.44E-05	3.04E-04	9.85E-06	1.59E-03	4.65E-05	1.78E-04	4.95E-06
2293	438242.15	3725558.34	1.50E-03	4.48E-05	3.06E-04	9.95E-06	1.61E-03	4.70E-05	1.79E-04	5.00E-06
2294	438237.6	3725572.37	1.51E-03	4.52E-05	3.09E-04	1.00E-05	1.62E-03	4.74E-05	1.81E-04	5.05E-06
2295	438233.05	3725586.41	1.53E-03	4.56E-05	3.11E-04	1.01E-05	1.63E-03	4.79E-05	1.82E-04	5.10E-06
2296	438228.5	3725600.44	1.53E-03	4.60E-05	3.13E-04	1.02E-05	1.64E-03	4.83E-05	1.83E-04	5.15E-06
2297	438223.95	3725614.47	1.54E-03	4.63E-05	3.14E-04	1.03E-05	1.65E-03	4.87E-05	1.84E-04	5.19E-06
2298	438219.4	3725628.51	1.55E-03	4.67E-05	3.16E-04	1.04E-05	1.66E-03	4.91E-05	1.85E-04	5.24E-06
2299	438214.85	3725642.54	1.56E-03	4.70E-05	3.17E-04	1.05E-05	1.66E-03	4.95E-05	1.86E-04	5.28E-06
2300	438210.3	3725656.57	1.56E-03	4.73E-05	3.18E-04	1.06E-05	1.67E-03	4.99E-05	1.87E-04	5.32E-06
2301	438205.75	3725670.61	1.57E-03	4.75E-05	3.19E-04	1.06E-05	1.67E-03	5.02E-05	1.87E-04	5.36E-06
2302	438201.2	3725684.64	1.57E-03	4.78E-05	3.20E-04	1.07E-05	1.68E-03	5.06E-05	1.87E-04	5.40E-06
2303	438192.1	3725712.71	1.57E-03	4.84E-05	3.21E-04	1.09E-05	1.68E-03	5.14E-05	1.88E-04	5.50E-06
2304	438187.55	3725726.74	1.57E-03	4.86E-05	3.20E-04	1.09E-05	1.68E-03	5.17E-05	1.88E-04	5.54E-06
2305	438183	3725740.77	1.57E-03	4.87E-05	3.19E-04	1.10E-05	1.67E-03	5.20E-05	1.88E-04	5.58E-06
2306	438178.46	3725754.81	1.56E-03	4.89E-05	3.19E-04	1.11E-05	1.67E-03	5.23E-05	1.87E-04	5.62E-06
2307	438173.91	3725768.84	1.55E-03	4.91E-05	3.17E-04	1.11E-05	1.66E-03	5.27E-05	1.87E-04	5.66E-06
2308	438313.29	3725428.8	1.26E-03	3.72E-05	2.57E-04	8.23E-06	1.35E-03	3.89E-05	1.50E-04	4.14E-06
2309	438308.81	3725442.63	1.27E-03	3.76E-05	2.59E-04	8.33E-06	1.36E-03	3.93E-05	1.52E-04	4.18E-06
2310	438304.32	3725456.46	1.29E-03	3.81E-05	2.62E-04	8.44E-06	1.37E-03	3.99E-05	1.53E-04	4.24E-06
2311	438299.84	3725470.3	1.30E-03	3.85E-05	2.65E-04	8.55E-06	1.39E-03	4.04E-05	1.55E-04	4.30E-06
2312	438295.35	3725484.13	1.31E-03	3.89E-05	2.67E-04	8.64E-06	1.40E-03	4.08E-05	1.56E-04	4.35E-06
2313	438290.87	3725497.97	1.32E-03	3.93E-05	2.69E-04	8.73E-06	1.41E-03	4.12E-05	1.57E-04	4.39E-06
2314	438286.38	3725511.8	1.33E-03	3.97E-05	2.71E-04	8.82E-06	1.42E-03	4.17E-05	1.59E-04	4.44E-06
2315	438281.9	3725525.64	1.34E-03	4.01E-05	2.74E-04	8.92E-06	1.44E-03	4.22E-05	1.60E-04	4.49E-06
2316	438277.41	3725539.47	1.35E-03	4.05E-05	2.76E-04	9.01E-06	1.45E-03	4.26E-05	1.62E-04	4.54E-06
2317	438272.93	3725553.3	1.36E-03	4.08E-05	2.78E-04	9.09E-06	1.46E-03	4.29E-05	1.63E-04	4.58E-06
2318	438268.44	3725567.14	1.37E-03	4.11E-05	2.80E-04	9.17E-06	1.47E-03	4.33E-05	1.64E-04	4.62E-06
2319	438263.96	3725580.97	1.38E-03	4.15E-05	2.82E-04	9.26E-06	1.48E-03	4.37E-05	1.65E-04	4.66E-06
2320	438259.47	3725594.81	1.39E-03	4.19E-05	2.84E-04	9.35E-06	1.49E-03	4.42E-05	1.66E-04	4.71E-06
2321	438254.99	3725608.64	1.40E-03	4.22E-05	2.85E-04	9.41E-06	1.50E-03	4.45E-05	1.67E-04	4.74E-06
2322	438250.5	3725622.48	1.41E-03	4.24E-05	2.87E-04	9.48E-06	1.50E-03	4.48E-05	1.68E-04	4.78E-06
2323	438246.02	3725636.31	1.41E-03	4.27E-05	2.88E-04	9.55E-06	1.51E-03	4.51E-05	1.69E-04	4.82E-06
2324	438241.53	3725650.14	1.42E-03	4.31E-05	2.90E-04	9.63E-06	1.52E-03	4.55E-05	1.70E-04	4.86E-06
2325	438237.05	3725663.98	1.43E-03	4.34E-05	2.91E-04	9.70E-06	1.53E-03	4.59E-05	1.71E-04	4.90E-06
2326	438232.57	3725677.81	1.43E-03	4.36E-05	2.92E-04	9.78E-06	1.53E-03	4.62E-05	1.71E-04	4.94E-06
2327	438228.08	3725691.65	1.44E-03	4.39E-05	2.93E-04	9.85E-06	1.54E-03	4.65E-05	1.72E-04	4.98E-06
2328	438223.6	3725705.48	1.44E-03	4.41E-05	2.94E-04	9.92E-06	1.54E-03	4.69E-05	1.72E-04	5.01E-06
2329	438214.63	3725733.15	1.44E-03	4.46E-05	2.94E-04	1.00E-05	1.54E-03	4.75E-05	1.73E-04	5.08E-06
2330	438210.14	3725746.98	1.44E-03	4.47E-05	2.94E-04	1.01E-05	1.54E-03	4.78E-05	1.72E-04	5.12E-06
2331	438205.66	3725760.82	1.44E-03	4.49E-05	2.93E-04	1.02E-05	1.53E-03	4.80E-05	1.72E-04	5.15E-06
2332	438201.17	3725774.65	1.43E-03	4.50E-05	2.92E-04	1.02E-05	1.53E-03	4.83E-05	1.72E-04	5.18E-06
2333	438196.69	3725788.49	1.42E-03	4.51E-05	2.91E-04	1.03E-05	1.52E-03	4.85E-05	1.71E-04	5.22E-06

2334	438344.12	3725453.61	1.14E-03	3.41E-05	2.32E-04	7.58E-06	1.22E-03	3.58E-05	1.36E-04	3.82E-06
2335	438339.62	3725467.48	1.15E-03	3.45E-05	2.35E-04	7.68E-06	1.23E-03	3.63E-05	1.38E-04	3.87E-06
2336	438335.12	3725481.36	1.16E-03	3.48E-05	2.37E-04	7.76E-06	1.24E-03	3.67E-05	1.39E-04	3.91E-06
2337	438330.62	3725495.23	1.17E-03	3.51E-05	2.38E-04	7.82E-06	1.25E-03	3.70E-05	1.40E-04	3.94E-06
2338	438326.12	3725509.11	1.18E-03	3.54E-05	2.40E-04	7.89E-06	1.26E-03	3.73E-05	1.41E-04	3.98E-06
2339	438321.62	3725522.99	1.19E-03	3.57E-05	2.42E-04	7.97E-06	1.27E-03	3.76E-05	1.42E-04	4.02E-06
2340	438317.13	3725536.86	1.19E-03	3.60E-05	2.44E-04	8.04E-06	1.28E-03	3.80E-05	1.43E-04	4.06E-06
2341	438312.63	3725550.74	1.20E-03	3.63E-05	2.45E-04	8.11E-06	1.29E-03	3.83E-05	1.44E-04	4.09E-06
2342	438308.13	3725564.61	1.21E-03	3.65E-05	2.47E-04	8.17E-06	1.29E-03	3.86E-05	1.45E-04	4.12E-06
2343	438303.63	3725578.49	1.22E-03	3.69E-05	2.49E-04	8.25E-06	1.30E-03	3.90E-05	1.46E-04	4.16E-06
2344	438299.13	3725592.36	1.23E-03	3.72E-05	2.51E-04	8.33E-06	1.31E-03	3.93E-05	1.47E-04	4.20E-06
2345	438294.63	3725606.24	1.24E-03	3.75E-05	2.52E-04	8.39E-06	1.32E-03	3.96E-05	1.48E-04	4.23E-06
2346	438290.14	3725620.11	1.24E-03	3.77E-05	2.54E-04	8.44E-06	1.33E-03	3.99E-05	1.49E-04	4.26E-06
2347	438285.64	3725633.99	1.25E-03	3.80E-05	2.55E-04	8.51E-06	1.34E-03	4.02E-05	1.50E-04	4.30E-06
2348	438281.14	3725647.87	1.26E-03	3.83E-05	2.57E-04	8.58E-06	1.35E-03	4.05E-05	1.51E-04	4.33E-06
2349	438276.64	3725661.74	1.27E-03	3.86E-05	2.58E-04	8.65E-06	1.35E-03	4.09E-05	1.52E-04	4.37E-06
2350	438272.14	3725675.62	1.27E-03	3.88E-05	2.60E-04	8.72E-06	1.36E-03	4.12E-05	1.52E-04	4.40E-06
2351	438267.64	3725689.49	1.28E-03	3.91E-05	2.61E-04	8.78E-06	1.37E-03	4.15E-05	1.53E-04	4.44E-06
2352	438263.14	3725703.37	1.28E-03	3.93E-05	2.62E-04	8.84E-06	1.37E-03	4.18E-05	1.54E-04	4.47E-06
2353	438258.65	3725717.24	1.29E-03	3.96E-05	2.62E-04	8.90E-06	1.38E-03	4.21E-05	1.54E-04	4.50E-06
2354	438254.15	3725731.12	1.29E-03	3.98E-05	2.63E-04	8.96E-06	1.38E-03	4.24E-05	1.54E-04	4.54E-06
2355	438240.65	3725772.75	1.29E-03	4.03E-05	2.63E-04	9.13E-06	1.38E-03	4.32E-05	1.55E-04	4.63E-06
2356	438236.15	3725786.62	1.29E-03	4.04E-05	2.63E-04	9.18E-06	1.38E-03	4.34E-05	1.55E-04	4.66E-06
2357	438231.66	3725800.5	1.28E-03	4.06E-05	2.62E-04	9.23E-06	1.37E-03	4.36E-05	1.54E-04	4.69E-06
2358	438227.16	3725814.37	1.28E-03	4.07E-05	2.61E-04	9.27E-06	1.37E-03	4.38E-05	1.54E-04	4.72E-06
2359	438374.9	3725478.55	1.03E-03	3.12E-05	2.11E-04	6.98E-06	1.10E-03	3.30E-05	1.24E-04	3.52E-06
2360	438370.39	3725492.46	1.04E-03	3.15E-05	2.12E-04	7.05E-06	1.11E-03	3.33E-05	1.25E-04	3.56E-06
2361	438365.87	3725506.37	1.05E-03	3.17E-05	2.14E-04	7.11E-06	1.12E-03	3.36E-05	1.25E-04	3.59E-06
2362	438361.36	3725520.28	1.05E-03	3.20E-05	2.15E-04	7.17E-06	1.13E-03	3.39E-05	1.26E-04	3.62E-06
2363	438356.85	3725534.2	1.06E-03	3.22E-05	2.17E-04	7.22E-06	1.13E-03	3.41E-05	1.27E-04	3.65E-06
2364	438352.34	3725548.11	1.07E-03	3.25E-05	2.18E-04	7.28E-06	1.14E-03	3.44E-05	1.28E-04	3.68E-06
2365	438347.83	3725562.02	1.07E-03	3.27E-05	2.19E-04	7.33E-06	1.15E-03	3.47E-05	1.29E-04	3.71E-06
2366	438343.32	3725575.93	1.08E-03	3.29E-05	2.21E-04	7.39E-06	1.16E-03	3.49E-05	1.30E-04	3.73E-06
2367	438338.81	3725589.84	1.09E-03	3.31E-05	2.22E-04	7.44E-06	1.16E-03	3.52E-05	1.30E-04	3.76E-06
2368	438334.3	3725603.76	1.10E-03	3.34E-05	2.24E-04	7.50E-06	1.17E-03	3.55E-05	1.31E-04	3.79E-06
2369	438329.79	3725617.67	1.10E-03	3.37E-05	2.25E-04	7.57E-06	1.18E-03	3.58E-05	1.32E-04	3.83E-06
2370	438325.28	3725631.58	1.11E-03	3.39E-05	2.27E-04	7.63E-06	1.19E-03	3.60E-05	1.33E-04	3.85E-06
2371	438320.77	3725645.49	1.12E-03	3.42E-05	2.28E-04	7.68E-06	1.20E-03	3.63E-05	1.34E-04	3.88E-06
2372	438316.26	3725659.4	1.13E-03	3.45E-05	2.30E-04	7.75E-06	1.20E-03	3.66E-05	1.35E-04	3.92E-06
2373	438311.75	3725673.32	1.13E-03	3.47E-05	2.31E-04	7.81E-06	1.21E-03	3.69E-05	1.36E-04	3.95E-06
2374	438307.24	3725687.23	1.14E-03	3.50E-05	2.33E-04	7.87E-06	1.22E-03	3.72E-05	1.37E-04	3.98E-06
2375	438302.73	3725701.14	1.15E-03	3.52E-05	2.34E-04	7.93E-06	1.23E-03	3.75E-05	1.37E-04	4.01E-06
2376	438298.22	3725715.05	1.15E-03	3.54E-05	2.35E-04	7.99E-06	1.23E-03	3.77E-05	1.38E-04	4.04E-06
2377	438293.71	3725728.97	1.16E-03	3.56E-05	2.36E-04	8.03E-06	1.23E-03	3.80E-05	1.39E-04	4.07E-06
2378	438289.2	3725742.88	1.16E-03	3.58E-05	2.36E-04	8.09E-06	1.24E-03	3.82E-05	1.39E-04	4.10E-06
2379	438284.69	3725756.79	1.16E-03	3.60E-05	2.37E-04	8.14E-06	1.24E-03	3.85E-05	1.39E-04	4.13E-06
2380	438271.16	3725798.53	1.16E-03	3.65E-05	2.37E-04	8.28E-06	1.24E-03	3.91E-05	1.40E-04	4.20E-06
2381	438266.65	3725812.44	1.16E-03	3.66E-05	2.37E-04	8.32E-06	1.24E-03	3.93E-05	1.39E-04	4.23E-06
2382	438262.14	3725826.35	1.16E-03	3.67E-05	2.36E-04	8.36E-06	1.24E-03	3.95E-05	1.39E-04	4.25E-06
2383	438257.63	3725840.26	1.15E-03	3.67E-05	2.35E-04	8.39E-06	1.23E-03	3.97E-05	1.39E-04	4.27E-06
2384	438401.12	3725517.53	9.41E-04	2.87E-05	1.92E-04	6.46E-06	1.01E-03	3.05E-05	1.13E-04	3.27E-06
2385	438396.6	3725531.48	9.46E-04	2.89E-05	1.93E-04	6.50E-06	1.01E-03	3.07E-05	1.13E-04	3.29E-06
2386	438392.08	3725545.42	9.52E-04	2.91E-05	1.94E-04	6.55E-06	1.02E-03	3.10E-05	1.14E-04	3.32E-06
2387	438387.56	3725559.37	9.59E-04	2.93E-05	1.96E-04	6.61E-06	1.02E-03	3.12E-05	1.15E-04	3.34E-06
2388	438383.04	3725573.31	9.65E-04	2.96E-05	1.97E-04	6.66E-06	1.03E-03	3.15E-05	1.16E-04	3.37E-06
2389	438378.52	3725587.26	9.72E-04	2.98E-05	1.98E-04	6.71E-06	1.04E-03	3.17E-05	1.17E-04	3.39E-06
2390	438374	3725601.2	9.78E-04	3.00E-05	2.00E-04	6.76E-06	1.05E-03	3.19E-05	1.17E-04	3.42E-06

2391	438369.47	3725615.15	9.85E-04	3.02E-05	2.01E-04	6.81E-06	1.05E-03	3.22E-05	1.18E-04	3.44E-06
2392	438364.95	3725629.09	9.91E-04	3.04E-05	2.02E-04	6.85E-06	1.06E-03	3.24E-05	1.19E-04	3.47E-06
2393	438360.43	3725643.04	9.99E-04	3.07E-05	2.04E-04	6.91E-06	1.07E-03	3.27E-05	1.20E-04	3.50E-06
2394	438355.91	3725656.98	1.01E-03	3.09E-05	2.05E-04	6.96E-06	1.07E-03	3.29E-05	1.21E-04	3.52E-06
2395	438351.39	3725670.93	1.01E-03	3.11E-05	2.07E-04	7.01E-06	1.08E-03	3.31E-05	1.21E-04	3.55E-06
2396	438346.87	3725684.87	1.02E-03	3.13E-05	2.08E-04	7.06E-06	1.09E-03	3.34E-05	1.22E-04	3.58E-06
2397	438342.35	3725698.82	1.02E-03	3.16E-05	2.09E-04	7.12E-06	1.10E-03	3.36E-05	1.23E-04	3.60E-06
2398	438337.83	3725712.76	1.03E-03	3.18E-05	2.10E-04	7.17E-06	1.10E-03	3.39E-05	1.24E-04	3.63E-06
2399	438333.31	3725726.71	1.04E-03	3.20E-05	2.12E-04	7.23E-06	1.11E-03	3.42E-05	1.24E-04	3.66E-06
2400	438328.79	3725740.65	1.04E-03	3.22E-05	2.12E-04	7.27E-06	1.11E-03	3.44E-05	1.25E-04	3.69E-06
2401	438324.27	3725754.6	1.04E-03	3.24E-05	2.13E-04	7.32E-06	1.12E-03	3.46E-05	1.25E-04	3.71E-06
2402	438319.75	3725768.54	1.05E-03	3.26E-05	2.14E-04	7.37E-06	1.12E-03	3.48E-05	1.26E-04	3.74E-06
2403	438315.22	3725782.49	1.05E-03	3.27E-05	2.14E-04	7.42E-06	1.12E-03	3.51E-05	1.26E-04	3.76E-06
2404	438288.1	3725866.16	1.04E-03	3.34E-05	2.13E-04	7.65E-06	1.12E-03	3.61E-05	1.26E-04	3.89E-06
2405	438431.83	3725542.7	8.53E-04	2.63E-05	1.74E-04	5.93E-06	9.12E-04	2.80E-05	1.02E-04	3.00E-06
2406	438427.3	3725556.67	8.60E-04	2.65E-05	1.76E-04	5.98E-06	9.20E-04	2.83E-05	1.03E-04	3.03E-06
2407	438422.77	3725570.65	8.66E-04	2.67E-05	1.77E-04	6.03E-06	9.26E-04	2.85E-05	1.04E-04	3.06E-06
2408	438418.24	3725584.62	8.72E-04	2.69E-05	1.78E-04	6.07E-06	9.32E-04	2.87E-05	1.05E-04	3.08E-06
2409	438413.71	3725598.59	8.77E-04	2.71E-05	1.79E-04	6.11E-06	9.38E-04	2.89E-05	1.05E-04	3.10E-06
2410	438409.18	3725612.57	8.84E-04	2.73E-05	1.80E-04	6.16E-06	9.45E-04	2.91E-05	1.06E-04	3.12E-06
2411	438404.65	3725626.54	8.91E-04	2.75E-05	1.82E-04	6.21E-06	9.52E-04	2.93E-05	1.07E-04	3.15E-06
2412	438400.12	3725640.52	8.96E-04	2.77E-05	1.83E-04	6.25E-06	9.58E-04	2.95E-05	1.08E-04	3.17E-06
2413	438395.58	3725654.49	9.02E-04	2.78E-05	1.84E-04	6.29E-06	9.64E-04	2.97E-05	1.08E-04	3.19E-06
2414	438391.05	3725668.47	9.08E-04	2.81E-05	1.86E-04	6.34E-06	9.71E-04	3.00E-05	1.09E-04	3.21E-06
2415	438386.52	3725682.44	9.14E-04	2.82E-05	1.87E-04	6.38E-06	9.78E-04	3.02E-05	1.10E-04	3.24E-06
2416	438381.99	3725696.41	9.20E-04	2.84E-05	1.88E-04	6.43E-06	9.84E-04	3.04E-05	1.11E-04	3.26E-06
2417	438377.46	3725710.39	9.26E-04	2.86E-05	1.89E-04	6.48E-06	9.90E-04	3.06E-05	1.11E-04	3.28E-06
2418	438372.93	3725724.36	9.31E-04	2.88E-05	1.90E-04	6.52E-06	9.96E-04	3.08E-05	1.12E-04	3.31E-06
2419	438368.4	3725738.34	9.37E-04	2.90E-05	1.91E-04	6.57E-06	1.00E-03	3.10E-05	1.13E-04	3.33E-06
2420	438363.87	3725752.31	9.42E-04	2.92E-05	1.92E-04	6.62E-06	1.01E-03	3.13E-05	1.13E-04	3.36E-06
2421	438359.34	3725766.29	9.46E-04	2.94E-05	1.93E-04	6.67E-06	1.01E-03	3.15E-05	1.14E-04	3.38E-06
2422	438354.81	3725780.26	9.51E-04	2.96E-05	1.94E-04	6.72E-06	1.02E-03	3.17E-05	1.14E-04	3.41E-06
2423	438350.28	3725794.24	9.54E-04	2.98E-05	1.95E-04	6.76E-06	1.02E-03	3.20E-05	1.15E-04	3.43E-06
2424	438345.75	3725808.21	9.57E-04	3.00E-05	1.96E-04	6.81E-06	1.02E-03	3.22E-05	1.15E-04	3.46E-06
2425	438332.16	3725850.13	9.58E-04	3.03E-05	1.96E-04	6.92E-06	1.02E-03	3.27E-05	1.15E-04	3.52E-06
2426	438327.63	3725864.11	9.55E-04	3.04E-05	1.95E-04	6.94E-06	1.02E-03	3.28E-05	1.15E-04	3.53E-06
2427	438323.1	3725878.08	9.52E-04	3.04E-05	1.95E-04	6.96E-06	1.02E-03	3.29E-05	1.15E-04	3.54E-06
2428	438318.57	3725892.06	9.48E-04	3.04E-05	1.94E-04	6.98E-06	1.01E-03	3.30E-05	1.14E-04	3.56E-06
2429	438457.97	3725581.93	7.89E-04	2.45E-05	1.61E-04	5.54E-06	8.44E-04	2.62E-05	9.49E-05	2.81E-06
2430	438453.43	3725595.94	7.94E-04	2.46E-05	1.62E-04	5.57E-06	8.49E-04	2.64E-05	9.54E-05	2.83E-06
2431	438448.89	3725609.94	7.98E-04	2.48E-05	1.63E-04	5.61E-06	8.54E-04	2.65E-05	9.60E-05	2.85E-06
2432	438444.36	3725623.94	8.03E-04	2.49E-05	1.64E-04	5.64E-06	8.59E-04	2.67E-05	9.66E-05	2.86E-06
2433	438439.82	3725637.94	8.09E-04	2.51E-05	1.65E-04	5.69E-06	8.65E-04	2.69E-05	9.73E-05	2.88E-06
2434	438435.28	3725651.94	8.15E-04	2.53E-05	1.67E-04	5.73E-06	8.72E-04	2.71E-05	9.81E-05	2.91E-06
2435	438430.74	3725665.94	8.20E-04	2.55E-05	1.68E-04	5.77E-06	8.77E-04	2.73E-05	9.87E-05	2.92E-06
2436	438426.2	3725679.94	8.25E-04	2.56E-05	1.69E-04	5.80E-06	8.83E-04	2.74E-05	9.93E-05	2.94E-06
2437	438421.66	3725693.94	8.31E-04	2.58E-05	1.70E-04	5.84E-06	8.89E-04	2.76E-05	9.99E-05	2.96E-06
2438	438417.12	3725707.94	8.37E-04	2.60E-05	1.71E-04	5.89E-06	8.95E-04	2.78E-05	1.01E-04	2.99E-06
2439	438412.58	3725721.94	8.43E-04	2.62E-05	1.72E-04	5.93E-06	9.02E-04	2.80E-05	1.01E-04	3.01E-06
2440	438408.04	3725735.94	8.49E-04	2.64E-05	1.73E-04	5.98E-06	9.08E-04	2.83E-05	1.02E-04	3.03E-06
2441	438403.5	3725749.95	8.54E-04	2.66E-05	1.75E-04	6.02E-06	9.13E-04	2.85E-05	1.03E-04	3.06E-06
2442	438398.97	3725763.95	8.59E-04	2.67E-05	1.76E-04	6.07E-06	9.19E-04	2.87E-05	1.03E-04	3.08E-06
2443	438394.43	3725777.95	8.63E-04	2.69E-05	1.76E-04	6.11E-06	9.23E-04	2.89E-05	1.04E-04	3.10E-06
2444	438389.89	3725791.95	8.67E-04	2.71E-05	1.77E-04	6.15E-06	9.27E-04	2.91E-05	1.04E-04	3.12E-06
2445	438385.35	3725805.95	8.70E-04	2.72E-05	1.78E-04	6.19E-06	9.31E-04	2.93E-05	1.05E-04	3.14E-06
2446	438380.81	3725819.95	8.73E-04	2.74E-05	1.78E-04	6.23E-06	9.33E-04	2.94E-05	1.05E-04	3.16E-06
2447	438376.27	3725833.95	8.75E-04	2.75E-05	1.79E-04	6.26E-06	9.35E-04	2.96E-05	1.05E-04	3.18E-06

2448	438362.65	3725875.95	8.71E-04	2.77E-05	1.78E-04	6.32E-06	9.32E-04	2.99E-05	1.05E-04	3.22E-06
2449	438358.11	3725889.95	8.69E-04	2.77E-05	1.78E-04	6.34E-06	9.29E-04	3.00E-05	1.05E-04	3.23E-06
2450	438353.58	3725903.96	8.66E-04	2.77E-05	1.77E-04	6.36E-06	9.27E-04	3.01E-05	1.05E-04	3.24E-06
2451	438488.63	3725607.26	7.26E-04	2.26E-05	1.48E-04	5.14E-06	7.77E-04	2.43E-05	8.74E-05	2.61E-06
2452	438484.08	3725621.28	7.30E-04	2.28E-05	1.49E-04	5.17E-06	7.81E-04	2.44E-05	8.79E-05	2.63E-06
2453	438479.53	3725635.31	7.36E-04	2.29E-05	1.50E-04	5.21E-06	7.87E-04	2.46E-05	8.86E-05	2.64E-06
2454	438474.99	3725649.33	7.41E-04	2.31E-05	1.52E-04	5.25E-06	7.93E-04	2.48E-05	8.92E-05	2.66E-06
2455	438470.44	3725663.36	7.46E-04	2.33E-05	1.53E-04	5.28E-06	7.98E-04	2.50E-05	8.98E-05	2.68E-06
2456	438465.89	3725677.38	7.50E-04	2.34E-05	1.53E-04	5.31E-06	8.02E-04	2.51E-05	9.03E-05	2.70E-06
2457	438461.35	3725691.41	7.55E-04	2.35E-05	1.54E-04	5.34E-06	8.07E-04	2.53E-05	9.09E-05	2.71E-06
2458	438456.8	3725705.43	7.60E-04	2.37E-05	1.55E-04	5.38E-06	8.13E-04	2.54E-05	9.16E-05	2.73E-06
2459	438452.25	3725719.46	7.66E-04	2.39E-05	1.57E-04	5.42E-06	8.19E-04	2.56E-05	9.22E-05	2.75E-06
2460	438447.71	3725733.48	7.71E-04	2.40E-05	1.58E-04	5.46E-06	8.24E-04	2.58E-05	9.28E-05	2.77E-06
2461	438443.16	3725747.51	7.76E-04	2.42E-05	1.59E-04	5.50E-06	8.30E-04	2.60E-05	9.34E-05	2.79E-06
2462	438438.61	3725761.53	7.80E-04	2.43E-05	1.59E-04	5.53E-06	8.34E-04	2.61E-05	9.39E-05	2.81E-06
2463	438434.07	3725775.56	7.84E-04	2.45E-05	1.60E-04	5.57E-06	8.39E-04	2.63E-05	9.45E-05	2.83E-06
2464	438429.52	3725789.58	7.89E-04	2.47E-05	1.61E-04	5.61E-06	8.44E-04	2.65E-05	9.50E-05	2.85E-06
2465	438424.97	3725803.61	7.93E-04	2.48E-05	1.62E-04	5.65E-06	8.48E-04	2.67E-05	9.55E-05	2.87E-06
2466	438420.42	3725817.63	7.96E-04	2.50E-05	1.63E-04	5.68E-06	8.51E-04	2.69E-05	9.59E-05	2.89E-06
2467	438311.74	3724752.18	4.62E-04	1.21E-05	9.45E-05	2.60E-06	4.94E-04	1.23E-05	5.58E-05	1.29E-06
2468	438318.43	3724765.35	4.75E-04	1.24E-05	9.73E-05	2.68E-06	5.09E-04	1.27E-05	5.74E-05	1.33E-06
2469	438325.11	3724778.52	4.88E-04	1.28E-05	1.00E-04	2.76E-06	5.23E-04	1.30E-05	5.89E-05	1.37E-06
2470	438331.8	3724791.68	5.01E-04	1.31E-05	1.02E-04	2.83E-06	5.36E-04	1.34E-05	6.04E-05	1.40E-06
2471	438519.26	3725632.64	6.72E-04	2.10E-05	1.37E-04	4.79E-06	7.19E-04	2.26E-05	8.10E-05	2.44E-06
2472	438514.71	3725646.68	6.77E-04	2.12E-05	1.38E-04	4.83E-06	7.24E-04	2.28E-05	8.16E-05	2.45E-06
2473	438510.16	3725660.73	6.82E-04	2.13E-05	1.39E-04	4.86E-06	7.29E-04	2.30E-05	8.22E-05	2.47E-06
2474	438505.6	3725674.78	6.85E-04	2.15E-05	1.40E-04	4.88E-06	7.33E-04	2.31E-05	8.26E-05	2.48E-06
2475	438501.05	3725688.82	6.90E-04	2.16E-05	1.41E-04	4.91E-06	7.38E-04	2.32E-05	8.31E-05	2.50E-06
2476	438496.5	3725702.87	6.95E-04	2.17E-05	1.42E-04	4.95E-06	7.43E-04	2.34E-05	8.37E-05	2.51E-06
2477	438491.94	3725716.92	6.99E-04	2.19E-05	1.43E-04	4.98E-06	7.48E-04	2.35E-05	8.43E-05	2.53E-06
2478	438487.39	3725730.96	7.03E-04	2.20E-05	1.44E-04	5.01E-06	7.52E-04	2.37E-05	8.48E-05	2.55E-06
2479	438482.83	3725745.01	7.07E-04	2.21E-05	1.45E-04	5.04E-06	7.57E-04	2.38E-05	8.53E-05	2.56E-06
2480	438478.28	3725759.06	7.12E-04	2.23E-05	1.46E-04	5.07E-06	7.62E-04	2.40E-05	8.58E-05	2.58E-06
2481	438302.79	3724740.79	4.50E-04	1.17E-05	9.21E-05	2.53E-06	4.82E-04	1.20E-05	5.44E-05	1.26E-06
2482	438337.76	3724721.77	4.22E-04	1.11E-05	8.65E-05	2.42E-06	4.52E-04	1.14E-05	5.11E-05	1.20E-06
2483	438344.39	3724734.82	4.34E-04	1.15E-05	8.89E-05	2.49E-06	4.65E-04	1.17E-05	5.25E-05	1.24E-06
2484	438351.01	3724747.87	4.46E-04	1.18E-05	9.13E-05	2.55E-06	4.77E-04	1.21E-05	5.38E-05	1.27E-06
2485	438357.64	3724760.91	4.57E-04	1.21E-05	9.36E-05	2.62E-06	4.89E-04	1.24E-05	5.52E-05	1.30E-06
2486	438364.27	3724773.96	4.68E-04	1.24E-05	9.57E-05	2.68E-06	5.01E-04	1.27E-05	5.64E-05	1.34E-06
2487	438370.89	3724787.01	4.78E-04	1.27E-05	9.78E-05	2.75E-06	5.12E-04	1.30E-05	5.76E-05	1.37E-06
2488	438377.52	3724800.06	4.89E-04	1.30E-05	9.99E-05	2.81E-06	5.23E-04	1.33E-05	5.88E-05	1.40E-06
2489	438384.14	3724813.11	4.97E-04	1.33E-05	1.02E-04	2.87E-06	5.32E-04	1.36E-05	5.99E-05	1.43E-06
2490	438390.77	3724826.15	5.07E-04	1.35E-05	1.04E-04	2.93E-06	5.42E-04	1.38E-05	6.09E-05	1.46E-06
2491	438417.27	3724878.34	5.57E-04	1.50E-05	1.14E-04	3.26E-06	5.96E-04	1.54E-05	6.69E-05	1.62E-06
2492	438423.9	3724891.39	5.70E-04	1.54E-05	1.16E-04	3.34E-06	6.10E-04	1.58E-05	6.84E-05	1.66E-06
2493	438430.53	3724904.44	5.83E-04	1.58E-05	1.19E-04	3.43E-06	6.24E-04	1.62E-05	6.99E-05	1.71E-06
2494	438437.15	3724917.49	5.96E-04	1.62E-05	1.22E-04	3.51E-06	6.37E-04	1.66E-05	7.14E-05	1.75E-06
2495	438443.78	3724930.54	6.08E-04	1.66E-05	1.24E-04	3.60E-06	6.50E-04	1.70E-05	7.28E-05	1.79E-06
2496	438450.4	3724943.58	6.19E-04	1.69E-05	1.26E-04	3.68E-06	6.62E-04	1.74E-05	7.41E-05	1.83E-06
2497	438546.44	3725668.68	6.28E-04	1.97E-05	1.28E-04	4.50E-06	6.72E-04	2.13E-05	7.58E-05	2.29E-06
2498	438541.93	3725682.6	6.32E-04	1.99E-05	1.29E-04	4.53E-06	6.76E-04	2.14E-05	7.62E-05	2.30E-06
2499	438537.42	3725696.52	6.36E-04	2.00E-05	1.30E-04	4.56E-06	6.80E-04	2.15E-05	7.67E-05	2.32E-06
2500	438370.45	3724704.5	3.98E-04	1.06E-05	8.16E-05	2.31E-06	4.27E-04	1.09E-05	4.82E-05	1.15E-06
2501	438377.09	3724717.57	4.09E-04	1.09E-05	8.38E-05	2.38E-06	4.38E-04	1.12E-05	4.94E-05	1.19E-06
2502	438383.73	3724730.64	4.19E-04	1.12E-05	8.59E-05	2.44E-06	4.49E-04	1.15E-05	5.07E-05	1.22E-06
2503	438390.37	3724743.71	4.30E-04	1.15E-05	8.80E-05	2.50E-06	4.60E-04	1.18E-05	5.19E-05	1.25E-06
2504	438397	3724756.78	4.40E-04	1.18E-05	9.00E-05	2.56E-06	4.71E-04	1.21E-05	5.31E-05	1.28E-06

2505	438403.64	3724769.85	4.50E-04	1.21E-05	9.20E-05	2.62E-06	4.81E-04	1.24E-05	5.42E-05	1.31E-06
2506	438410.28	3724782.92	4.59E-04	1.23E-05	9.40E-05	2.68E-06	4.91E-04	1.27E-05	5.53E-05	1.34E-06
2507	438416.92	3724795.99	4.67E-04	1.26E-05	9.54E-05	2.73E-06	4.99E-04	1.29E-05	5.62E-05	1.36E-06
2508	438423.55	3724809.06	4.73E-04	1.28E-05	9.67E-05	2.78E-06	5.06E-04	1.31E-05	5.70E-05	1.38E-06
2509	438430.19	3724822.13	4.81E-04	1.30E-05	9.84E-05	2.83E-06	5.15E-04	1.34E-05	5.79E-05	1.41E-06
2510	438436.83	3724835.2	4.92E-04	1.33E-05	1.01E-04	2.90E-06	5.26E-04	1.37E-05	5.92E-05	1.45E-06
2511	438443.47	3724848.27	5.02E-04	1.37E-05	1.03E-04	2.97E-06	5.38E-04	1.40E-05	6.04E-05	1.48E-06
2512	438450.11	3724861.34	5.15E-04	1.40E-05	1.05E-04	3.05E-06	5.51E-04	1.44E-05	6.19E-05	1.52E-06
2513	438456.74	3724874.41	5.27E-04	1.44E-05	1.08E-04	3.13E-06	5.64E-04	1.48E-05	6.33E-05	1.56E-06
2514	438463.38	3724887.49	5.39E-04	1.48E-05	1.10E-04	3.21E-06	5.77E-04	1.52E-05	6.47E-05	1.60E-06
2515	438470.02	3724900.56	5.51E-04	1.51E-05	1.13E-04	3.30E-06	5.90E-04	1.56E-05	6.61E-05	1.64E-06
2516	438396.52	3724674.17	3.68E-04	9.90E-06	7.53E-05	2.16E-06	3.94E-04	1.02E-05	4.45E-05	1.08E-06
2517	438403.17	3724687.26	3.77E-04	1.02E-05	7.72E-05	2.22E-06	4.03E-04	1.05E-05	4.56E-05	1.11E-06
2518	438409.82	3724700.36	3.86E-04	1.04E-05	7.91E-05	2.27E-06	4.13E-04	1.07E-05	4.67E-05	1.14E-06
2519	438416.46	3724713.45	3.95E-04	1.07E-05	8.09E-05	2.33E-06	4.23E-04	1.10E-05	4.78E-05	1.16E-06
2520	438423.11	3724726.54	4.04E-04	1.09E-05	8.28E-05	2.39E-06	4.33E-04	1.13E-05	4.88E-05	1.19E-06
2521	438429.76	3724739.63	4.13E-04	1.12E-05	8.46E-05	2.44E-06	4.42E-04	1.15E-05	4.99E-05	1.22E-06
2522	438436.41	3724752.72	4.22E-04	1.14E-05	8.64E-05	2.49E-06	4.52E-04	1.18E-05	5.09E-05	1.25E-06
2523	438443.06	3724765.81	4.30E-04	1.17E-05	8.81E-05	2.55E-06	4.61E-04	1.20E-05	5.19E-05	1.27E-06
2524	438449.71	3724778.91	4.39E-04	1.19E-05	8.97E-05	2.60E-06	4.69E-04	1.23E-05	5.29E-05	1.30E-06
2525	438456.35	3724792	4.46E-04	1.22E-05	9.12E-05	2.65E-06	4.77E-04	1.25E-05	5.37E-05	1.32E-06
2526	438463	3724805.09	4.54E-04	1.24E-05	9.28E-05	2.71E-06	4.85E-04	1.28E-05	5.46E-05	1.35E-06
2527	438469.65	3724818.18	4.61E-04	1.26E-05	9.43E-05	2.76E-06	4.94E-04	1.30E-05	5.55E-05	1.38E-06
2528	438476.3	3724831.27	4.71E-04	1.29E-05	9.62E-05	2.82E-06	5.04E-04	1.33E-05	5.66E-05	1.41E-06
2529	438482.95	3724844.36	4.80E-04	1.32E-05	9.82E-05	2.89E-06	5.14E-04	1.36E-05	5.78E-05	1.44E-06
2530	438489.59	3724857.45	4.91E-04	1.35E-05	1.00E-04	2.96E-06	5.26E-04	1.40E-05	5.91E-05	1.48E-06
2531	438496.24	3724870.55	5.02E-04	1.39E-05	1.03E-04	3.03E-06	5.37E-04	1.43E-05	6.03E-05	1.51E-06
2532	437835.23	3725488.94	1.31E-02	3.51E-04	2.64E-03	7.31E-05	1.40E-02	3.45E-04	1.52E-03	3.57E-05
2533	437840.76	3725481.72	1.30E-02	3.42E-04	2.63E-03	7.03E-05	1.39E-02	3.31E-04	1.51E-03	3.42E-05
2534	437882.86	3725525.43	8.18E-03	2.32E-04	1.65E-03	4.97E-05	8.73E-03	2.34E-04	9.58E-04	2.46E-05
2535	437898.73	3725537.59	7.11E-03	2.04E-04	1.44E-03	4.40E-05	7.59E-03	2.08E-04	8.35E-04	2.19E-05
2536	438198.68	3725721.59	1.53E-03	4.71E-05	3.12E-04	1.06E-05	1.63E-03	5.01E-05	1.83E-04	5.37E-06
2537	438222.49	3725739.84	1.40E-03	4.33E-05	2.86E-04	9.78E-06	1.50E-03	4.62E-05	1.68E-04	4.95E-06
2538	438280.47	3725795.71	1.14E-03	3.56E-05	2.32E-04	8.08E-06	1.21E-03	3.82E-05	1.37E-04	4.10E-06
2539	437841.17	3725401.38	1.79E-02	3.87E-04	3.58E-03	7.05E-05	1.91E-02	3.32E-04	2.03E-03	3.22E-05
2540	437860.69	3725405.49	1.44E-02	3.22E-04	2.89E-03	6.00E-05	1.53E-02	2.82E-04	1.64E-03	2.77E-05
2541	437899.8	3725413.59	9.80E-03	2.31E-04	1.97E-03	4.49E-05	1.04E-02	2.11E-04	1.13E-03	2.12E-05
2542	437916.01	3725425.02	8.38E-03	2.04E-04	1.69E-03	4.04E-05	8.94E-03	1.90E-04	9.67E-04	1.93E-05
2543	437922.73	3725410.18	8.16E-03	1.96E-04	1.64E-03	3.85E-05	8.70E-03	1.81E-04	9.41E-04	1.83E-05
2544	437926.03	3725393.66	8.20E-03	1.93E-04	1.65E-03	3.76E-05	8.74E-03	1.77E-04	9.43E-04	1.78E-05
2545	437938.95	3725421.59	7.16E-03	1.76E-04	1.44E-03	3.53E-05	7.63E-03	1.66E-04	8.28E-04	1.69E-05
2546	437932.15	3725436.59	7.32E-03	1.83E-04	1.48E-03	3.68E-05	7.81E-03	1.73E-04	8.48E-04	1.77E-05
2547	437955.11	3725433.13	6.34E-03	1.60E-04	1.28E-03	3.25E-05	6.76E-03	1.53E-04	7.35E-04	1.57E-05
2548	437948.26	3725448.25	6.45E-03	1.65E-04	1.30E-03	3.37E-05	6.88E-03	1.59E-04	7.49E-04	1.63E-05
2549	437964.32	3725459.99	5.71E-03	1.49E-04	1.15E-03	3.08E-05	6.09E-03	1.45E-04	6.65E-04	1.50E-05
2550	437980.36	3725471.79	5.06E-03	1.34E-04	1.02E-03	2.81E-05	5.40E-03	1.32E-04	5.91E-04	1.37E-05
2551	437991.37	3725494.71	4.55E-03	1.24E-04	9.21E-04	2.62E-05	4.86E-03	1.24E-04	5.33E-04	1.29E-05
2552	438037.11	3725440.96	3.90E-03	1.04E-04	7.89E-04	2.18E-05	4.16E-03	1.03E-04	4.57E-04	1.07E-05
2553	438030.52	3725455.51	3.96E-03	1.06E-04	8.01E-04	2.24E-05	4.22E-03	1.05E-04	4.63E-04	1.10E-05
2554	438023.92	3725470.07	4.00E-03	1.08E-04	8.10E-04	2.29E-05	4.27E-03	1.08E-04	4.69E-04	1.12E-05
2555	438017.33	3725484.62	4.04E-03	1.10E-04	8.17E-04	2.33E-05	4.31E-03	1.10E-04	4.74E-04	1.15E-05
2556	438010.73	3725499.17	4.07E-03	1.12E-04	8.24E-04	2.38E-05	4.34E-03	1.12E-04	4.78E-04	1.17E-05
2557	438004.14	3725513.72	4.11E-03	1.14E-04	8.32E-04	2.43E-05	4.38E-03	1.15E-04	4.82E-04	1.20E-05
2558	438042.06	3725425.43	3.87E-03	1.03E-04	7.84E-04	2.14E-05	4.13E-03	1.01E-04	4.53E-04	1.05E-05
2559	438062.98	3725454.68	3.36E-03	9.15E-05	6.80E-04	1.94E-05	3.58E-03	9.16E-05	3.94E-04	9.57E-06
2560	438056.13	3725469.8	3.41E-03	9.34E-05	6.90E-04	1.99E-05	3.64E-03	9.37E-05	4.00E-04	9.81E-06
2561	438049.27	3725484.92	3.45E-03	9.51E-05	6.98E-04	2.03E-05	3.68E-03	9.57E-05	4.05E-04	1.00E-05

2562	438042.42	3725500.03	3.47E-03	9.65E-05	7.04E-04	2.06E-05	3.71E-03	9.74E-05	4.09E-04	1.02E-05
2563	438035.57	3725515.15	3.51E-03	9.81E-05	7.11E-04	2.10E-05	3.74E-03	9.94E-05	4.13E-04	1.04E-05
2564	438028.72	3725530.27	3.54E-03	9.98E-05	7.17E-04	2.15E-05	3.78E-03	1.01E-04	4.17E-04	1.07E-05
2565	438018.45	3725552.95	3.59E-03	1.02E-04	7.27E-04	2.22E-05	3.83E-03	1.05E-04	4.23E-04	1.11E-05
2566	438073.13	3725423.04	3.33E-03	8.94E-05	6.74E-04	1.88E-05	3.55E-03	8.89E-05	3.90E-04	9.26E-06
2567	438085.79	3725475.13	2.95E-03	8.20E-05	5.97E-04	1.76E-05	3.15E-03	8.30E-05	3.47E-04	8.71E-06
2568	438079.07	3725489.97	2.98E-03	8.34E-05	6.05E-04	1.79E-05	3.18E-03	8.46E-05	3.52E-04	8.89E-06
2569	438072.34	3725504.81	3.01E-03	8.47E-05	6.11E-04	1.82E-05	3.22E-03	8.61E-05	3.55E-04	9.05E-06
2570	438065.61	3725519.65	3.04E-03	8.58E-05	6.16E-04	1.85E-05	3.24E-03	8.75E-05	3.58E-04	9.21E-06
2571	438058.89	3725534.5	3.06E-03	8.71E-05	6.21E-04	1.88E-05	3.27E-03	8.90E-05	3.61E-04	9.38E-06
2572	438052.16	3725549.34	3.09E-03	8.85E-05	6.27E-04	1.92E-05	3.30E-03	9.07E-05	3.65E-04	9.57E-06
2573	438038.71	3725579.03	3.15E-03	9.17E-05	6.40E-04	2.01E-05	3.37E-03	9.47E-05	3.73E-04	1.00E-05
2574	438111.31	3725489.6	2.60E-03	7.35E-05	5.28E-04	1.59E-05	2.78E-03	7.50E-05	3.07E-04	7.89E-06
2575	438104.38	3725504.92	2.64E-03	7.49E-05	5.36E-04	1.62E-05	2.82E-03	7.66E-05	3.12E-04	8.07E-06
2576	438097.44	3725520.23	2.67E-03	7.60E-05	5.41E-04	1.65E-05	2.85E-03	7.78E-05	3.15E-04	8.21E-06
2577	438090.5	3725535.54	2.68E-03	7.69E-05	5.45E-04	1.67E-05	2.87E-03	7.89E-05	3.17E-04	8.33E-06
2578	438083.56	3725550.86	2.71E-03	7.79E-05	5.49E-04	1.70E-05	2.89E-03	8.02E-05	3.20E-04	8.47E-06
2579	438076.62	3725566.17	2.72E-03	7.88E-05	5.53E-04	1.72E-05	2.91E-03	8.13E-05	3.22E-04	8.60E-06
2580	438127.38	3725524.95	2.36E-03	6.78E-05	4.79E-04	1.48E-05	2.52E-03	6.98E-05	2.79E-04	7.38E-06
2581	438120.55	3725540.01	2.38E-03	6.88E-05	4.84E-04	1.50E-05	2.55E-03	7.10E-05	2.82E-04	7.51E-06
2582	438113.73	3725555.07	2.40E-03	6.96E-05	4.88E-04	1.52E-05	2.56E-03	7.19E-05	2.84E-04	7.61E-06
2583	438106.91	3725570.13	2.42E-03	7.05E-05	4.92E-04	1.55E-05	2.59E-03	7.30E-05	2.87E-04	7.73E-06
2584	438100.08	3725585.19	2.44E-03	7.15E-05	4.96E-04	1.57E-05	2.61E-03	7.42E-05	2.90E-04	7.87E-06
2585	438147.14	3725552.13	2.12E-03	6.19E-05	4.32E-04	1.36E-05	2.27E-03	6.42E-05	2.52E-04	6.81E-06
2586	438140.42	3725566.97	2.14E-03	6.28E-05	4.36E-04	1.38E-05	2.29E-03	6.52E-05	2.55E-04	6.91E-06
2587	438133.69	3725581.81	2.17E-03	6.38E-05	4.42E-04	1.41E-05	2.32E-03	6.64E-05	2.58E-04	7.04E-06
2588	438126.97	3725596.66	2.20E-03	6.49E-05	4.47E-04	1.43E-05	2.35E-03	6.76E-05	2.61E-04	7.17E-06
2589	438120.24	3725611.5	2.21E-03	6.55E-05	4.49E-04	1.45E-05	2.36E-03	6.84E-05	2.63E-04	7.27E-06
2590	438178.98	3725552.68	1.89E-03	5.54E-05	3.84E-04	1.22E-05	2.01E-03	5.76E-05	2.24E-04	6.12E-06
2591	438172.08	3725567.9	1.91E-03	5.63E-05	3.89E-04	1.24E-05	2.04E-03	5.87E-05	2.27E-04	6.23E-06
2592	438165.18	3725583.12	1.94E-03	5.72E-05	3.94E-04	1.26E-05	2.07E-03	5.97E-05	2.30E-04	6.34E-06
2593	438158.28	3725598.35	1.96E-03	5.81E-05	3.99E-04	1.28E-05	2.09E-03	6.07E-05	2.33E-04	6.45E-06
2594	438151.38	3725613.57	1.97E-03	5.88E-05	4.02E-04	1.30E-05	2.11E-03	6.15E-05	2.35E-04	6.54E-06
2595	438144.48	3725628.79	1.99E-03	5.94E-05	4.05E-04	1.32E-05	2.12E-03	6.23E-05	2.37E-04	6.63E-06
2596	438198.7	3725579.96	1.72E-03	5.11E-05	3.50E-04	1.13E-05	1.84E-03	5.34E-05	2.05E-04	5.68E-06
2597	438191.89	3725594.98	1.74E-03	5.18E-05	3.54E-04	1.15E-05	1.86E-03	5.42E-05	2.07E-04	5.77E-06
2598	438185.08	3725610	1.76E-03	5.25E-05	3.59E-04	1.17E-05	1.88E-03	5.51E-05	2.10E-04	5.86E-06
2599	438178.28	3725625.02	1.78E-03	5.32E-05	3.62E-04	1.18E-05	1.90E-03	5.59E-05	2.12E-04	5.95E-06
2600	438171.47	3725640.04	1.79E-03	5.39E-05	3.66E-04	1.20E-05	1.92E-03	5.67E-05	2.14E-04	6.04E-06
2601	438164.66	3725655.06	1.81E-03	5.46E-05	3.68E-04	1.22E-05	1.93E-03	5.75E-05	2.16E-04	6.13E-06
2602	438225.31	3725592.02	1.56E-03	4.66E-05	3.18E-04	1.04E-05	1.67E-03	4.89E-05	1.86E-04	5.21E-06
2603	438218.59	3725606.87	1.58E-03	4.73E-05	3.22E-04	1.05E-05	1.69E-03	4.97E-05	1.88E-04	5.29E-06
2604	438211.86	3725621.71	1.60E-03	4.79E-05	3.25E-04	1.07E-05	1.71E-03	5.04E-05	1.90E-04	5.37E-06
2605	438205.13	3725636.55	1.61E-03	4.86E-05	3.29E-04	1.08E-05	1.72E-03	5.11E-05	1.93E-04	5.45E-06
2606	438198.41	3725651.39	1.63E-03	4.92E-05	3.32E-04	1.10E-05	1.74E-03	5.18E-05	1.94E-04	5.53E-06
2607	438191.68	3725666.24	1.64E-03	4.97E-05	3.35E-04	1.11E-05	1.75E-03	5.25E-05	1.96E-04	5.61E-06
2608	438275.76	3725480.7	1.40E-03	4.14E-05	2.85E-04	9.16E-06	1.50E-03	4.33E-05	1.67E-04	4.60E-06
2609	438301.74	3725494.16	1.28E-03	3.81E-05	2.60E-04	8.46E-06	1.36E-03	4.00E-05	1.52E-04	4.26E-06
2610	438236.47	3725638.2	1.46E-03	4.40E-05	2.97E-04	9.83E-06	1.56E-03	4.64E-05	1.74E-04	4.95E-06
2611	438229.6	3725653.36	1.47E-03	4.46E-05	3.00E-04	9.97E-06	1.58E-03	4.71E-05	1.76E-04	5.03E-06
2612	438222.73	3725668.52	1.49E-03	4.52E-05	3.04E-04	1.01E-05	1.59E-03	4.78E-05	1.78E-04	5.11E-06
2613	438215.86	3725683.69	1.50E-03	4.58E-05	3.06E-04	1.03E-05	1.61E-03	4.85E-05	1.80E-04	5.18E-06
2614	438306.83	3725478.32	1.27E-03	3.77E-05	2.58E-04	8.37E-06	1.35E-03	3.95E-05	1.51E-04	4.21E-06
2615	438293.83	3725582.41	1.26E-03	3.79E-05	2.56E-04	8.48E-06	1.34E-03	4.00E-05	1.50E-04	4.28E-06
2616	438287.04	3725597.4	1.27E-03	3.85E-05	2.60E-04	8.61E-06	1.36E-03	4.07E-05	1.52E-04	4.34E-06
2617	438280.24	3725612.4	1.29E-03	3.90E-05	2.63E-04	8.72E-06	1.38E-03	4.12E-05	1.54E-04	4.40E-06
2618	438273.45	3725627.39	1.30E-03	3.95E-05	2.66E-04	8.83E-06	1.39E-03	4.17E-05	1.56E-04	4.46E-06

2619	438266.65	3725642.38	1.32E-03	4.00E-05	2.69E-04	8.96E-06	1.41E-03	4.24E-05	1.58E-04	4.52E-06
2620	438259.86	3725657.38	1.34E-03	4.06E-05	2.72E-04	9.09E-06	1.43E-03	4.30E-05	1.60E-04	4.59E-06
2621	438253.07	3725672.37	1.35E-03	4.11E-05	2.75E-04	9.22E-06	1.44E-03	4.36E-05	1.62E-04	4.66E-06
2622	438246.27	3725687.36	1.36E-03	4.17E-05	2.78E-04	9.35E-06	1.46E-03	4.42E-05	1.63E-04	4.72E-06
2623	438239.48	3725702.35	1.38E-03	4.22E-05	2.81E-04	9.47E-06	1.47E-03	4.48E-05	1.65E-04	4.79E-06
2624	438319.16	3725620.92	1.14E-03	3.47E-05	2.32E-04	7.78E-06	1.22E-03	3.68E-05	1.36E-04	3.93E-06
2625	438312.32	3725636	1.15E-03	3.52E-05	2.35E-04	7.89E-06	1.23E-03	3.73E-05	1.38E-04	3.99E-06
2626	438305.49	3725651.07	1.17E-03	3.56E-05	2.38E-04	8.01E-06	1.25E-03	3.78E-05	1.40E-04	4.05E-06
2627	438298.66	3725666.15	1.18E-03	3.61E-05	2.41E-04	8.12E-06	1.26E-03	3.84E-05	1.42E-04	4.10E-06
2628	438291.83	3725681.23	1.20E-03	3.66E-05	2.44E-04	8.23E-06	1.28E-03	3.89E-05	1.43E-04	4.16E-06
2629	438284.99	3725696.31	1.21E-03	3.71E-05	2.47E-04	8.34E-06	1.29E-03	3.94E-05	1.45E-04	4.22E-06
2630	438278.16	3725711.39	1.22E-03	3.75E-05	2.49E-04	8.45E-06	1.31E-03	3.99E-05	1.46E-04	4.27E-06
2631	438271.33	3725726.47	1.23E-03	3.80E-05	2.52E-04	8.56E-06	1.32E-03	4.04E-05	1.48E-04	4.33E-06
2632	438264.49	3725741.55	1.24E-03	3.84E-05	2.53E-04	8.67E-06	1.33E-03	4.10E-05	1.49E-04	4.39E-06
2633	438351.24	3725644.52	1.02E-03	3.14E-05	2.09E-04	7.08E-06	1.10E-03	3.34E-05	1.23E-04	3.58E-06
2634	438344.37	3725659.67	1.04E-03	3.18E-05	2.12E-04	7.17E-06	1.11E-03	3.39E-05	1.24E-04	3.63E-06
2635	438337.5	3725674.83	1.05E-03	3.22E-05	2.14E-04	7.26E-06	1.12E-03	3.43E-05	1.26E-04	3.68E-06
2636	438330.63	3725689.98	1.06E-03	3.27E-05	2.17E-04	7.37E-06	1.14E-03	3.48E-05	1.28E-04	3.73E-06
2637	438323.77	3725705.14	1.08E-03	3.31E-05	2.20E-04	7.47E-06	1.15E-03	3.53E-05	1.29E-04	3.78E-06
2638	438316.9	3725720.29	1.09E-03	3.36E-05	2.22E-04	7.57E-06	1.16E-03	3.58E-05	1.31E-04	3.83E-06
2639	438310.03	3725735.45	1.10E-03	3.39E-05	2.24E-04	7.66E-06	1.17E-03	3.62E-05	1.32E-04	3.88E-06
2640	438303.16	3725750.6	1.11E-03	3.43E-05	2.26E-04	7.75E-06	1.18E-03	3.66E-05	1.33E-04	3.93E-06
2641	438296.3	3725765.76	1.12E-03	3.47E-05	2.28E-04	7.85E-06	1.19E-03	3.71E-05	1.34E-04	3.98E-06
2642	438386.73	3725660.58	9.22E-04	2.84E-05	1.88E-04	6.42E-06	9.86E-04	3.04E-05	1.11E-04	3.25E-06
2643	438379.84	3725675.81	9.33E-04	2.88E-05	1.91E-04	6.50E-06	9.98E-04	3.07E-05	1.12E-04	3.30E-06
2644	438372.94	3725691.03	9.44E-04	2.91E-05	1.93E-04	6.58E-06	1.01E-03	3.11E-05	1.13E-04	3.34E-06
2645	438366.04	3725706.25	9.56E-04	2.95E-05	1.95E-04	6.67E-06	1.02E-03	3.15E-05	1.15E-04	3.38E-06
2646	438359.14	3725721.48	9.68E-04	2.99E-05	1.98E-04	6.76E-06	1.03E-03	3.20E-05	1.16E-04	3.43E-06
2647	438352.24	3725736.7	9.79E-04	3.03E-05	2.00E-04	6.85E-06	1.05E-03	3.24E-05	1.18E-04	3.47E-06
2648	438345.34	3725751.93	9.90E-04	3.07E-05	2.02E-04	6.94E-06	1.06E-03	3.28E-05	1.19E-04	3.52E-06
2649	438338.44	3725767.15	9.99E-04	3.11E-05	2.04E-04	7.03E-06	1.07E-03	3.33E-05	1.20E-04	3.57E-06
2650	438331.54	3725782.37	1.01E-03	3.14E-05	2.06E-04	7.12E-06	1.08E-03	3.37E-05	1.21E-04	3.61E-06
2651	438467.25	3725577.29	7.72E-04	2.40E-05	1.58E-04	5.43E-06	8.25E-04	2.57E-05	9.29E-05	2.75E-06
2652	438411.84	3725699.58	8.51E-04	2.64E-05	1.74E-04	5.98E-06	9.10E-04	2.82E-05	1.02E-04	3.03E-06
2653	438404.91	3725714.86	8.62E-04	2.67E-05	1.76E-04	6.06E-06	9.22E-04	2.86E-05	1.04E-04	3.07E-06
2654	438397.99	3725730.15	8.73E-04	2.71E-05	1.78E-04	6.14E-06	9.33E-04	2.90E-05	1.05E-04	3.11E-06
2655	438391.06	3725745.43	8.82E-04	2.74E-05	1.80E-04	6.21E-06	9.44E-04	2.94E-05	1.06E-04	3.15E-06
2656	438384.13	3725760.72	8.92E-04	2.77E-05	1.82E-04	6.29E-06	9.53E-04	2.97E-05	1.07E-04	3.19E-06
2657	438377.21	3725776.01	9.00E-04	2.81E-05	1.84E-04	6.36E-06	9.63E-04	3.01E-05	1.08E-04	3.23E-06
2658	438370.28	3725791.29	9.09E-04	2.84E-05	1.86E-04	6.44E-06	9.72E-04	3.04E-05	1.09E-04	3.27E-06
2659	438363.35	3725806.58	9.17E-04	2.87E-05	1.87E-04	6.52E-06	9.80E-04	3.08E-05	1.10E-04	3.31E-06
2660	438492.48	3725616.01	7.17E-04	2.24E-05	1.47E-04	5.09E-06	7.67E-04	2.40E-05	8.64E-05	2.58E-06
2661	438443.82	3725723.4	7.80E-04	2.43E-05	1.59E-04	5.52E-06	8.34E-04	2.61E-05	9.39E-05	2.80E-06
2662	438436.87	3725738.74	7.89E-04	2.46E-05	1.61E-04	5.58E-06	8.44E-04	2.64E-05	9.50E-05	2.83E-06
2663	438429.92	3725754.08	7.98E-04	2.49E-05	1.63E-04	5.65E-06	8.54E-04	2.67E-05	9.61E-05	2.87E-06
2664	438422.96	3725769.43	8.08E-04	2.52E-05	1.65E-04	5.72E-06	8.64E-04	2.70E-05	9.72E-05	2.91E-06
2665	438416.01	3725784.77	8.17E-04	2.55E-05	1.67E-04	5.79E-06	8.73E-04	2.74E-05	9.83E-05	2.94E-06
2666	438409.06	3725800.11	8.25E-04	2.58E-05	1.69E-04	5.87E-06	8.82E-04	2.77E-05	9.93E-05	2.98E-06
2667	438402.11	3725815.45	8.32E-04	2.61E-05	1.70E-04	5.93E-06	8.90E-04	2.81E-05	1.00E-04	3.02E-06
2668	438395.15	3725830.79	8.38E-04	2.63E-05	1.71E-04	6.00E-06	8.97E-04	2.83E-05	1.01E-04	3.05E-06
2669	438474.41	3725750.28	7.20E-04	2.25E-05	1.47E-04	5.13E-06	7.70E-04	2.42E-05	8.68E-05	2.60E-06
2670	438467.59	3725765.34	7.28E-04	2.28E-05	1.49E-04	5.18E-06	7.79E-04	2.45E-05	8.77E-05	2.63E-06
2671	438460.77	3725780.4	7.35E-04	2.30E-05	1.50E-04	5.24E-06	7.86E-04	2.47E-05	8.86E-05	2.66E-06
2672	437812.9	3725342.69	3.06E-02	5.72E-04	6.09E-03	9.18E-05	3.25E-02	4.30E-04	3.42E-03	3.87E-05
2673	437869.33	3725369.35	1.41E-02	3.02E-04	2.83E-03	5.45E-05	1.51E-02	2.56E-04	1.61E-03	2.48E-05
2674	437910.19	3725367.35	9.74E-03	2.19E-04	1.96E-03	4.11E-05	1.04E-02	1.93E-04	1.12E-03	1.91E-05
2675	437951.05	3725365.36	7.20E-03	1.69E-04	1.45E-03	3.27E-05	7.68E-03	1.54E-04	8.29E-04	1.54E-05

2676	437966.62	3725394.01	6.27E-03	1.53E-04	1.26E-03	3.06E-05	6.69E-03	1.44E-04	7.26E-04	1.46E-05
2677	437970.79	3725368.59	6.30E-03	1.51E-04	1.27E-03	2.97E-05	6.72E-03	1.40E-04	7.28E-04	1.41E-05
2678	438044.64	3725412.07	3.89E-03	1.02E-04	7.86E-04	2.12E-05	4.15E-03	1.00E-04	4.54E-04	1.04E-05
2679	438046.95	3725398.49	3.91E-03	1.02E-04	7.90E-04	2.11E-05	4.17E-03	9.94E-05	4.56E-04	1.03E-05
2680	438049.73	3725381.54	3.92E-03	1.01E-04	7.93E-04	2.08E-05	4.19E-03	9.81E-05	4.58E-04	1.01E-05
2681	438075.17	3725411.82	3.34E-03	8.92E-05	6.76E-04	1.87E-05	3.56E-03	8.84E-05	3.91E-04	9.19E-06
2682	438077.95	3725394.87	3.35E-03	8.86E-05	6.78E-04	1.85E-05	3.57E-03	8.74E-05	3.92E-04	9.07E-06
2683	438103.66	3725422.8	2.88E-03	7.85E-05	5.83E-04	1.67E-05	3.07E-03	7.87E-05	3.38E-04	8.23E-06
2684	438106.16	3725408.2	2.89E-03	7.82E-05	5.85E-04	1.66E-05	3.08E-03	7.81E-05	3.39E-04	8.16E-06
2685	438108.94	3725391.26	2.89E-03	7.76E-05	5.85E-04	1.64E-05	3.08E-03	7.72E-05	3.39E-04	8.05E-06
2686	438137.16	3725404.59	2.51E-03	6.89E-05	5.09E-04	1.47E-05	2.68E-03	6.94E-05	2.96E-04	7.27E-06
2687	438168.15	3725400.97	2.19E-03	6.09E-05	4.45E-04	1.31E-05	2.34E-03	6.18E-05	2.59E-04	6.49E-06
2688	437833.41	3725344.43	2.28E-02	4.42E-04	4.54E-03	7.38E-05	2.42E-02	3.46E-04	2.56E-03	3.19E-05
2689	437889.05	3725368.72	1.16E-02	2.54E-04	2.33E-03	4.69E-05	1.24E-02	2.21E-04	1.32E-03	2.16E-05
2690	438007.44	3725390.39	4.91E-03	1.24E-04	9.92E-04	2.51E-05	5.24E-03	1.18E-04	5.71E-04	1.21E-05
2691	437916.95	3725342.6	9.60E-03	2.11E-04	1.93E-03	3.90E-05	1.02E-02	1.84E-04	1.10E-03	1.80E-05
2692	437957.74	3725345.41	7.03E-03	1.62E-04	1.41E-03	3.12E-05	7.50E-03	1.47E-04	8.09E-04	1.47E-05
2693	437979.3	3725342.74	6.08E-03	1.43E-04	1.22E-03	2.79E-05	6.49E-03	1.32E-04	7.02E-04	1.32E-05
2694	438013.11	3725370.02	4.85E-03	1.20E-04	9.78E-04	2.43E-05	5.17E-03	1.15E-04	5.63E-04	1.17E-05
2695	438034.67	3725367.35	4.31E-03	1.09E-04	8.70E-04	2.21E-05	4.60E-03	1.04E-04	5.02E-04	1.07E-05
2696	438058.56	3725356.53	3.82E-03	9.72E-05	7.72E-04	1.99E-05	4.08E-03	9.38E-05	4.45E-04	9.65E-06
2697	438113.93	3725381.14	2.84E-03	7.60E-05	5.75E-04	1.60E-05	3.03E-03	7.55E-05	3.33E-04	7.87E-06
2698	438142.78	3725389.37	2.47E-03	6.74E-05	5.00E-04	1.43E-05	2.64E-03	6.77E-05	2.91E-04	7.09E-06
2699	437863.61	3725276.91	1.55E-02	2.97E-04	3.10E-03	4.94E-05	1.65E-02	2.32E-04	1.75E-03	2.13E-05
2700	437899.21	3725260.63	1.07E-02	2.14E-04	2.15E-03	3.71E-05	1.14E-02	1.74E-04	1.22E-03	1.64E-05
2701	437918.14	3725263.26	9.27E-03	1.90E-04	1.86E-03	3.37E-05	9.88E-03	1.58E-04	1.06E-03	1.51E-05
2702	437996.16	3725295.49	5.51E-03	1.27E-04	1.11E-03	2.44E-05	5.87E-03	1.15E-04	6.35E-04	1.15E-05
2703	438016.21	3725308.76	4.89E-03	1.16E-04	9.85E-04	2.28E-05	5.21E-03	1.07E-04	5.66E-04	1.08E-05
2704	438017.18	3725317.96	4.86E-03	1.16E-04	9.80E-04	2.29E-05	5.19E-03	1.08E-04	5.63E-04	1.09E-05
2705	438018.15	3725327.16	4.83E-03	1.16E-04	9.74E-04	2.31E-05	5.16E-03	1.09E-04	5.60E-04	1.10E-05
2706	438019.12	3725336.36	4.79E-03	1.16E-04	9.66E-04	2.32E-05	5.11E-03	1.09E-04	5.55E-04	1.11E-05
2707	438032.65	3725287.72	4.41E-03	1.05E-04	8.89E-04	2.06E-05	4.71E-03	9.70E-05	5.11E-04	9.80E-06
2708	438033.6	3725296.77	4.40E-03	1.05E-04	8.88E-04	2.08E-05	4.70E-03	9.80E-05	5.11E-04	9.91E-06
2709	438034.56	3725305.81	4.39E-03	1.06E-04	8.85E-04	2.10E-05	4.68E-03	9.88E-05	5.09E-04	1.00E-05
2710	438035.51	3725314.86	4.37E-03	1.06E-04	8.82E-04	2.11E-05	4.66E-03	9.95E-05	5.07E-04	1.01E-05
2711	438055.74	3725329.78	3.89E-03	9.70E-05	7.86E-04	1.96E-05	4.15E-03	9.26E-05	4.53E-04	9.48E-06
2712	438056.68	3725338.69	3.87E-03	9.71E-05	7.82E-04	1.97E-05	4.13E-03	9.31E-05	4.51E-04	9.54E-06
2713	438083.58	3725328.43	3.36E-03	8.54E-05	6.79E-04	1.75E-05	3.58E-03	8.25E-05	3.92E-04	8.49E-06
2714	438084.53	3725337.51	3.34E-03	8.55E-05	6.75E-04	1.76E-05	3.57E-03	8.29E-05	3.90E-04	8.55E-06
2715	438085.49	3725346.59	3.32E-03	8.55E-05	6.71E-04	1.76E-05	3.54E-03	8.32E-05	3.88E-04	8.59E-06
2716	438086.45	3725355.67	3.30E-03	8.55E-05	6.67E-04	1.77E-05	3.52E-03	8.35E-05	3.86E-04	8.63E-06
2717	438110.62	3725319.48	2.94E-03	7.58E-05	5.95E-04	1.57E-05	3.14E-03	7.39E-05	3.44E-04	7.63E-06
2718	438111.56	3725328.4	2.92E-03	7.58E-05	5.92E-04	1.57E-05	3.12E-03	7.41E-05	3.42E-04	7.67E-06
2719	438113.44	3725346.23	2.89E-03	7.57E-05	5.84E-04	1.58E-05	3.08E-03	7.45E-05	3.38E-04	7.72E-06
2720	438137.47	3725308.76	2.58E-03	6.73E-05	5.23E-04	1.40E-05	2.76E-03	6.61E-05	3.03E-04	6.85E-06
2721	438138.42	3725317.82	2.57E-03	6.74E-05	5.21E-04	1.41E-05	2.74E-03	6.64E-05	3.02E-04	6.89E-06
2722	438139.38	3725326.88	2.56E-03	6.74E-05	5.18E-04	1.41E-05	2.73E-03	6.66E-05	3.00E-04	6.91E-06
2723	438140.33	3725335.93	2.54E-03	6.74E-05	5.15E-04	1.41E-05	2.71E-03	6.67E-05	2.99E-04	6.94E-06
2724	438164.28	3725297.65	2.28E-03	6.00E-05	4.61E-04	1.26E-05	2.43E-03	5.94E-05	2.68E-04	6.17E-06
2725	438165.25	3725306.83	2.27E-03	6.01E-05	4.60E-04	1.26E-05	2.42E-03	5.96E-05	2.67E-04	6.20E-06
2726	438166.21	3725316.01	2.26E-03	6.01E-05	4.58E-04	1.27E-05	2.41E-03	5.98E-05	2.66E-04	6.23E-06
2727	438167.18	3725325.19	2.25E-03	6.02E-05	4.55E-04	1.27E-05	2.40E-03	5.99E-05	2.64E-04	6.25E-06
2728	438172.99	3725380.26	2.17E-03	5.98E-05	4.40E-04	1.28E-05	2.32E-03	6.05E-05	2.56E-04	6.34E-06
2729	438194.23	3725316.33	2.01E-03	5.43E-05	4.07E-04	1.15E-05	2.14E-03	5.44E-05	2.37E-04	5.69E-06
2730	438199.95	3725370.55	1.94E-03	5.39E-05	3.94E-04	1.16E-05	2.07E-03	5.48E-05	2.29E-04	5.76E-06
2731	438200.9	3725379.59	1.93E-03	5.38E-05	3.91E-04	1.16E-05	2.06E-03	5.48E-05	2.28E-04	5.76E-06
2732	438201.85	3725388.63	1.91E-03	5.37E-05	3.89E-04	1.16E-05	2.04E-03	5.47E-05	2.26E-04	5.76E-06

2733	438226.83	3725360.17	1.75E-03	4.89E-05	3.55E-04	1.06E-05	1.87E-03	4.99E-05	2.07E-04	5.25E-06
2734	438227.8	3725369.31	1.74E-03	4.88E-05	3.53E-04	1.06E-05	1.85E-03	4.99E-05	2.05E-04	5.25E-06
2735	438228.76	3725378.46	1.72E-03	4.87E-05	3.50E-04	1.05E-05	1.84E-03	4.98E-05	2.04E-04	5.25E-06
2736	438229.73	3725387.6	1.71E-03	4.85E-05	3.48E-04	1.05E-05	1.83E-03	4.97E-05	2.03E-04	5.25E-06
2737	438254.8	3725359.99	1.57E-03	4.46E-05	3.20E-04	9.68E-06	1.68E-03	4.57E-05	1.87E-04	4.82E-06
2738	438255.75	3725369.01	1.56E-03	4.45E-05	3.18E-04	9.67E-06	1.67E-03	4.57E-05	1.86E-04	4.82E-06
2739	438256.7	3725378.03	1.55E-03	4.43E-05	3.16E-04	9.66E-06	1.66E-03	4.56E-05	1.84E-04	4.82E-06
2740	438257.65	3725387.05	1.54E-03	4.42E-05	3.14E-04	9.65E-06	1.65E-03	4.56E-05	1.83E-04	4.82E-06
2741	438258.6	3725396.07	1.54E-03	4.41E-05	3.12E-04	9.64E-06	1.64E-03	4.55E-05	1.82E-04	4.82E-06
2742	438285.51	3725385.87	1.40E-03	4.04E-05	2.85E-04	8.87E-06	1.50E-03	4.19E-05	1.66E-04	4.44E-06
2743	438286.47	3725394.99	1.39E-03	4.04E-05	2.84E-04	8.86E-06	1.49E-03	4.19E-05	1.66E-04	4.44E-06
2744	438472.37	3724891.05	5.38E-04	1.48E-05	1.10E-04	3.22E-06	5.76E-04	1.52E-05	6.46E-05	1.61E-06
2745	438507.71	3724872.3	4.97E-04	1.38E-05	1.02E-04	3.02E-06	5.32E-04	1.42E-05	5.97E-05	1.51E-06
2746	438503.36	3724864.11	4.91E-04	1.36E-05	1.00E-04	2.98E-06	5.25E-04	1.41E-05	5.90E-05	1.49E-06
2747	438499.02	3724855.92	4.85E-04	1.34E-05	9.91E-05	2.93E-06	5.19E-04	1.39E-05	5.83E-05	1.47E-06
2748	438494.67	3724847.74	4.79E-04	1.32E-05	9.79E-05	2.89E-06	5.12E-04	1.36E-05	5.76E-05	1.44E-06
2749	438534.35	3724837.17	4.51E-04	1.26E-05	9.23E-05	2.76E-06	4.83E-04	1.31E-05	5.43E-05	1.38E-06
2750	438530	3724828.98	4.46E-04	1.24E-05	9.13E-05	2.73E-06	4.78E-04	1.29E-05	5.37E-05	1.37E-06
2751	438565.34	3724810.23	4.14E-04	1.16E-05	8.48E-05	2.57E-06	4.43E-04	1.21E-05	4.99E-05	1.29E-06
2752	438160.56	3724648.18	3.36E-04	8.65E-06	6.93E-05	1.89E-06	3.61E-04	8.91E-06	4.12E-05	9.42E-07
2753	438152.81	3724642.85	3.29E-04	8.47E-06	6.78E-05	1.85E-06	3.53E-04	8.74E-06	4.03E-05	9.24E-07
2754	438145.05	3724637.52	3.22E-04	8.28E-06	6.63E-05	1.81E-06	3.45E-04	8.55E-06	3.95E-05	9.04E-07
2755	438137.3	3724632.18	3.14E-04	8.09E-06	6.47E-05	1.77E-06	3.37E-04	8.37E-06	3.86E-05	8.86E-07
2756	438129.54	3724626.85	3.07E-04	7.90E-06	6.32E-05	1.73E-06	3.29E-04	8.18E-06	3.77E-05	8.66E-07
2757	438121.79	3724621.52	2.99E-04	7.72E-06	6.17E-05	1.69E-06	3.21E-04	8.00E-06	3.68E-05	8.48E-07
2758	438114.03	3724616.19	2.92E-04	7.53E-06	6.02E-05	1.65E-06	3.13E-04	7.81E-06	3.59E-05	8.29E-07
2759	438106.28	3724610.86	2.84E-04	7.33E-06	5.86E-05	1.61E-06	3.04E-04	7.62E-06	3.50E-05	8.09E-07
2760	438098.52	3724605.53	2.76E-04	7.14E-06	5.69E-05	1.57E-06	2.96E-04	7.43E-06	3.40E-05	7.89E-07
2761	438189.4	3724622.14	3.16E-04	8.22E-06	6.50E-05	1.80E-06	3.38E-04	8.50E-06	3.86E-05	8.99E-07
2762	438195.57	3724629.06	3.23E-04	8.40E-06	6.65E-05	1.84E-06	3.46E-04	8.68E-06	3.95E-05	9.18E-07
2763	438201.75	3724635.99	3.31E-04	8.59E-06	6.80E-05	1.88E-06	3.54E-04	8.87E-06	4.04E-05	9.38E-07
2764	438207.92	3724642.91	3.38E-04	8.79E-06	6.96E-05	1.92E-06	3.63E-04	9.06E-06	4.13E-05	9.58E-07
2765	438214.09	3724649.83	3.46E-04	8.99E-06	7.12E-05	1.96E-06	3.71E-04	9.26E-06	4.23E-05	9.78E-07
2766	438220.27	3724656.76	3.54E-04	9.20E-06	7.29E-05	2.00E-06	3.80E-04	9.46E-06	4.32E-05	1.00E-06
2767	438226.44	3724663.68	3.62E-04	9.40E-06	7.45E-05	2.05E-06	3.88E-04	9.66E-06	4.42E-05	1.02E-06
2768	438232.62	3724670.61	3.70E-04	9.60E-06	7.60E-05	2.09E-06	3.96E-04	9.85E-06	4.50E-05	1.04E-06
2769	438238.79	3724677.53	3.77E-04	9.79E-06	7.75E-05	2.13E-06	4.04E-04	1.00E-05	4.59E-05	1.06E-06
2770	438244.96	3724684.45	3.86E-04	1.00E-05	7.92E-05	2.17E-06	4.14E-04	1.03E-05	4.69E-05	1.08E-06
2771	438251.14	3724691.38	3.95E-04	1.02E-05	8.11E-05	2.22E-06	4.23E-04	1.05E-05	4.80E-05	1.11E-06
2772	438257.31	3724698.3	4.03E-04	1.05E-05	8.27E-05	2.27E-06	4.32E-04	1.07E-05	4.89E-05	1.13E-06
2773	438263.48	3724705.22	4.11E-04	1.07E-05	8.44E-05	2.31E-06	4.41E-04	1.09E-05	4.99E-05	1.15E-06
2774	438269.66	3724712.15	4.20E-04	1.09E-05	8.61E-05	2.36E-06	4.49E-04	1.11E-05	5.09E-05	1.17E-06
2775	438275.83	3724719.07	4.28E-04	1.11E-05	8.77E-05	2.40E-06	4.58E-04	1.13E-05	5.18E-05	1.19E-06
2776	438282.01	3724725.99	4.35E-04	1.13E-05	8.92E-05	2.44E-06	4.66E-04	1.15E-05	5.27E-05	1.22E-06
2777	438288.18	3724732.92	4.43E-04	1.15E-05	9.08E-05	2.49E-06	4.74E-04	1.17E-05	5.36E-05	1.24E-06
2778	438343.74	3724795.23	4.99E-04	1.31E-05	1.02E-04	2.83E-06	5.34E-04	1.34E-05	6.01E-05	1.41E-06
2779	438349.92	3724802.15	5.04E-04	1.33E-05	1.03E-04	2.87E-06	5.39E-04	1.35E-05	6.07E-05	1.42E-06
2780	438356.09	3724809.08	5.09E-04	1.34E-05	1.04E-04	2.90E-06	5.44E-04	1.37E-05	6.12E-05	1.44E-06
2781	438183.22	3724615.22	3.08E-04	8.03E-06	6.35E-05	1.76E-06	3.30E-04	8.31E-06	3.78E-05	8.81E-07
2782	438175.47	3724609.89	3.02E-04	7.87E-06	6.22E-05	1.73E-06	3.24E-04	8.15E-06	3.70E-05	8.64E-07
2783	438167.71	3724604.55	2.95E-04	7.70E-06	6.08E-05	1.69E-06	3.17E-04	7.98E-06	3.62E-05	8.46E-07
2784	438159.96	3724599.22	2.88E-04	7.52E-06	5.94E-05	1.65E-06	3.09E-04	7.81E-06	3.54E-05	8.28E-07
2785	438152.2	3724593.89	2.81E-04	7.34E-06	5.79E-05	1.62E-06	3.01E-04	7.63E-06	3.45E-05	8.10E-07
2786	438144.45	3724588.56	2.74E-04	7.16E-06	5.65E-05	1.58E-06	2.94E-04	7.46E-06	3.37E-05	7.91E-07
2787	438136.69	3724583.23	2.67E-04	6.98E-06	5.50E-05	1.54E-06	2.86E-04	7.28E-06	3.28E-05	7.74E-07
2788	438128.94	3724577.9	2.60E-04	6.81E-06	5.36E-05	1.51E-06	2.79E-04	7.12E-06	3.20E-05	7.56E-07
2789	438121.18	3724572.57	2.53E-04	6.64E-06	5.22E-05	1.47E-06	2.71E-04	6.95E-06	3.12E-05	7.39E-07

2790	438212.07	3724589.19	2.90E-04	7.64E-06	5.97E-05	1.68E-06	3.11E-04	7.94E-06	3.55E-05	8.42E-07
2791	438218.25	3724596.12	2.97E-04	7.82E-06	6.11E-05	1.72E-06	3.18E-04	8.11E-06	3.63E-05	8.60E-07
2792	438224.43	3724603.05	3.04E-04	7.99E-06	6.25E-05	1.75E-06	3.26E-04	8.29E-06	3.72E-05	8.78E-07
2793	438230.61	3724609.98	3.11E-04	8.17E-06	6.39E-05	1.79E-06	3.33E-04	8.46E-06	3.80E-05	8.96E-07
2794	438236.79	3724616.92	3.18E-04	8.35E-06	6.53E-05	1.83E-06	3.41E-04	8.64E-06	3.88E-05	9.14E-07
2795	438242.98	3724623.85	3.25E-04	8.53E-06	6.68E-05	1.87E-06	3.48E-04	8.81E-06	3.96E-05	9.33E-07
2796	438249.16	3724630.78	3.32E-04	8.71E-06	6.82E-05	1.90E-06	3.55E-04	8.99E-06	4.04E-05	9.51E-07
2797	438255.34	3724637.71	3.39E-04	8.89E-06	6.96E-05	1.94E-06	3.63E-04	9.17E-06	4.13E-05	9.69E-07
2798	438261.52	3724644.65	3.46E-04	9.07E-06	7.10E-05	1.98E-06	3.70E-04	9.35E-06	4.21E-05	9.89E-07
2799	438267.7	3724651.58	3.53E-04	9.25E-06	7.24E-05	2.02E-06	3.78E-04	9.53E-06	4.29E-05	1.01E-06
2800	438273.88	3724658.51	3.60E-04	9.44E-06	7.39E-05	2.06E-06	3.85E-04	9.71E-06	4.38E-05	1.03E-06
2801	438280.07	3724665.44	3.67E-04	9.62E-06	7.53E-05	2.10E-06	3.93E-04	9.90E-06	4.46E-05	1.05E-06
2802	438286.25	3724672.38	3.74E-04	9.82E-06	7.68E-05	2.14E-06	4.01E-04	1.01E-05	4.54E-05	1.07E-06
2803	438292.43	3724679.31	3.81E-04	1.00E-05	7.82E-05	2.18E-06	4.08E-04	1.03E-05	4.63E-05	1.09E-06
2804	438298.61	3724686.24	3.88E-04	1.02E-05	7.96E-05	2.22E-06	4.16E-04	1.05E-05	4.71E-05	1.10E-06
2805	438317.16	3724707.04	4.09E-04	1.07E-05	8.38E-05	2.33E-06	4.38E-04	1.10E-05	4.95E-05	1.16E-06
2806	438366.61	3724762.5	4.56E-04	1.21E-05	9.33E-05	2.62E-06	4.88E-04	1.24E-05	5.50E-05	1.30E-06
2807	438372.79	3724769.43	4.60E-04	1.22E-05	9.42E-05	2.65E-06	4.93E-04	1.25E-05	5.55E-05	1.32E-06
2808	438378.97	3724776.36	4.65E-04	1.24E-05	9.51E-05	2.68E-06	4.97E-04	1.27E-05	5.60E-05	1.33E-06
2809	438385.16	3724783.3	4.69E-04	1.25E-05	9.60E-05	2.71E-06	5.02E-04	1.28E-05	5.65E-05	1.35E-06
2810	438391.34	3724790.23	4.73E-04	1.26E-05	9.68E-05	2.74E-06	5.06E-04	1.29E-05	5.70E-05	1.36E-06
2811	438397.52	3724797.16	4.76E-04	1.27E-05	9.73E-05	2.76E-06	5.09E-04	1.31E-05	5.73E-05	1.38E-06
2812	438403.7	3724804.09	4.78E-04	1.28E-05	9.78E-05	2.78E-06	5.12E-04	1.31E-05	5.76E-05	1.39E-06
2813	438409.88	3724811.03	4.81E-04	1.29E-05	9.83E-05	2.81E-06	5.14E-04	1.33E-05	5.79E-05	1.40E-06
2814	438416.06	3724817.96	4.83E-04	1.30E-05	9.89E-05	2.83E-06	5.17E-04	1.34E-05	5.82E-05	1.41E-06
2815	438428.43	3724831.82	4.92E-04	1.33E-05	1.01E-04	2.90E-06	5.27E-04	1.37E-05	5.92E-05	1.44E-06
2816	438205.89	3724582.25	2.83E-04	7.47E-06	5.83E-05	1.64E-06	3.04E-04	7.77E-06	3.47E-05	8.24E-07
2817	438198.13	3724576.92	2.77E-04	7.32E-06	5.71E-05	1.61E-06	2.97E-04	7.62E-06	3.40E-05	8.09E-07
2818	438190.38	3724571.59	2.72E-04	7.17E-06	5.60E-05	1.58E-06	2.91E-04	7.47E-06	3.33E-05	7.93E-07
2819	438182.62	3724566.26	2.65E-04	7.01E-06	5.46E-05	1.55E-06	2.84E-04	7.31E-06	3.26E-05	7.77E-07
2820	438174.87	3724560.93	2.59E-04	6.85E-06	5.34E-05	1.51E-06	2.78E-04	7.15E-06	3.18E-05	7.60E-07
2821	438167.11	3724555.6	2.53E-04	6.69E-06	5.21E-05	1.48E-06	2.71E-04	6.99E-06	3.11E-05	7.43E-07
2822	438159.36	3724550.27	2.46E-04	6.53E-06	5.08E-05	1.45E-06	2.64E-04	6.84E-06	3.03E-05	7.28E-07
2823	438151.6	3724544.94	2.40E-04	6.37E-06	4.95E-05	1.41E-06	2.57E-04	6.68E-06	2.96E-05	7.11E-07
2824	438143.85	3724539.6	2.34E-04	6.21E-06	4.82E-05	1.38E-06	2.51E-04	6.52E-06	2.88E-05	6.95E-07
2825	438234.73	3724556.23	2.67E-04	7.12E-06	5.50E-05	1.57E-06	2.86E-04	7.43E-06	3.27E-05	7.90E-07
2826	438240.92	3724563.17	2.73E-04	7.28E-06	5.63E-05	1.61E-06	2.93E-04	7.59E-06	3.35E-05	8.06E-07
2827	438247.11	3724570.11	2.80E-04	7.44E-06	5.76E-05	1.64E-06	3.00E-04	7.75E-06	3.42E-05	8.23E-07
2828	438253.3	3724577.05	2.86E-04	7.61E-06	5.88E-05	1.67E-06	3.07E-04	7.91E-06	3.50E-05	8.39E-07
2829	438259.49	3724583.99	2.92E-04	7.77E-06	6.01E-05	1.71E-06	3.13E-04	8.07E-06	3.57E-05	8.56E-07
2830	438265.68	3724590.94	2.99E-04	7.93E-06	6.14E-05	1.74E-06	3.20E-04	8.23E-06	3.65E-05	8.73E-07
2831	438271.87	3724597.88	3.05E-04	8.09E-06	6.26E-05	1.78E-06	3.27E-04	8.39E-06	3.72E-05	8.89E-07
2832	438278.06	3724604.82	3.11E-04	8.24E-06	6.38E-05	1.81E-06	3.33E-04	8.54E-06	3.79E-05	9.05E-07
2833	438284.25	3724611.76	3.17E-04	8.41E-06	6.51E-05	1.84E-06	3.40E-04	8.71E-06	3.86E-05	9.22E-07
2834	438290.43	3724618.7	3.23E-04	8.58E-06	6.64E-05	1.88E-06	3.46E-04	8.88E-06	3.94E-05	9.40E-07
2835	438296.62	3724625.64	3.30E-04	8.74E-06	6.77E-05	1.91E-06	3.53E-04	9.04E-06	4.01E-05	9.57E-07
2836	438302.81	3724632.58	3.36E-04	8.91E-06	6.90E-05	1.95E-06	3.60E-04	9.21E-06	4.09E-05	9.74E-07
2837	438309	3724639.52	3.42E-04	9.08E-06	7.02E-05	1.98E-06	3.66E-04	9.37E-06	4.16E-05	9.92E-07
2838	438315.19	3724646.46	3.49E-04	9.25E-06	7.16E-05	2.02E-06	3.73E-04	9.55E-06	4.24E-05	1.01E-06
2839	438321.38	3724653.4	3.55E-04	9.42E-06	7.29E-05	2.06E-06	3.80E-04	9.72E-06	4.31E-05	1.03E-06
2840	438327.57	3724660.34	3.61E-04	9.59E-06	7.41E-05	2.09E-06	3.87E-04	9.89E-06	4.39E-05	1.05E-06
2841	438333.76	3724667.28	3.67E-04	9.75E-06	7.54E-05	2.13E-06	3.93E-04	1.01E-05	4.46E-05	1.06E-06
2842	438339.95	3724674.22	3.73E-04	9.92E-06	7.66E-05	2.16E-06	4.00E-04	1.02E-05	4.53E-05	1.08E-06
2843	438401.84	3724743.63	4.26E-04	1.14E-05	8.72E-05	2.49E-06	4.56E-04	1.17E-05	5.14E-05	1.24E-06
2844	438408.02	3724750.57	4.30E-04	1.16E-05	8.80E-05	2.52E-06	4.60E-04	1.19E-05	5.19E-05	1.26E-06
2845	438414.21	3724757.51	4.34E-04	1.17E-05	8.88E-05	2.54E-06	4.65E-04	1.20E-05	5.24E-05	1.27E-06
2846	438420.4	3724764.45	4.38E-04	1.18E-05	8.97E-05	2.57E-06	4.69E-04	1.21E-05	5.28E-05	1.28E-06

2847	438426.59	3724771.39	4.42E-04	1.19E-05	9.05E-05	2.60E-06	4.73E-04	1.23E-05	5.33E-05	1.30E-06
2848	438432.78	3724778.33	4.46E-04	1.21E-05	9.12E-05	2.63E-06	4.77E-04	1.24E-05	5.37E-05	1.31E-06
2849	438438.97	3724785.27	4.49E-04	1.22E-05	9.19E-05	2.65E-06	4.81E-04	1.25E-05	5.41E-05	1.32E-06
2850	438445.16	3724792.21	4.51E-04	1.23E-05	9.23E-05	2.67E-06	4.83E-04	1.26E-05	5.44E-05	1.33E-06
2851	438228.55	3724549.29	2.61E-04	6.96E-06	5.37E-05	1.54E-06	2.80E-04	7.27E-06	3.20E-05	7.73E-07
2852	438220.79	3724543.96	2.55E-04	6.82E-06	5.26E-05	1.51E-06	2.74E-04	7.13E-06	3.13E-05	7.58E-07
2853	438213.04	3724538.63	2.50E-04	6.68E-06	5.15E-05	1.48E-06	2.68E-04	6.99E-06	3.07E-05	7.43E-07
2854	438205.28	3724533.3	2.45E-04	6.54E-06	5.04E-05	1.45E-06	2.62E-04	6.85E-06	3.00E-05	7.29E-07
2855	438197.53	3724527.97	2.39E-04	6.40E-06	4.93E-05	1.42E-06	2.56E-04	6.71E-06	2.94E-05	7.14E-07
2856	438189.77	3724522.64	2.34E-04	6.26E-06	4.82E-05	1.39E-06	2.51E-04	6.57E-06	2.87E-05	7.00E-07
2857	438182.02	3724517.3	2.28E-04	6.12E-06	4.70E-05	1.36E-06	2.45E-04	6.43E-06	2.81E-05	6.85E-07
2858	438174.26	3724511.97	2.22E-04	5.97E-06	4.59E-05	1.33E-06	2.39E-04	6.29E-06	2.74E-05	6.70E-07
2859	438166.51	3724506.64	2.17E-04	5.83E-06	4.48E-05	1.30E-06	2.33E-04	6.15E-06	2.67E-05	6.55E-07
2860	438257.4	3724523.28	2.48E-04	6.69E-06	5.11E-05	1.48E-06	2.66E-04	7.01E-06	3.04E-05	7.45E-07
2861	438263.6	3724530.23	2.54E-04	6.84E-06	5.23E-05	1.51E-06	2.72E-04	7.15E-06	3.11E-05	7.61E-07
2862	438269.79	3724537.17	2.60E-04	6.98E-06	5.34E-05	1.55E-06	2.78E-04	7.30E-06	3.18E-05	7.76E-07
2863	438275.99	3724544.12	2.65E-04	7.12E-06	5.46E-05	1.57E-06	2.84E-04	7.44E-06	3.24E-05	7.91E-07
2864	438282.18	3724551.07	2.71E-04	7.27E-06	5.57E-05	1.61E-06	2.90E-04	7.59E-06	3.31E-05	8.06E-07
2865	438288.38	3724558.02	2.76E-04	7.42E-06	5.69E-05	1.64E-06	2.96E-04	7.73E-06	3.38E-05	8.21E-07
2866	438294.57	3724564.96	2.82E-04	7.57E-06	5.80E-05	1.67E-06	3.02E-04	7.88E-06	3.45E-05	8.37E-07
2867	438300.77	3724571.91	2.88E-04	7.72E-06	5.92E-05	1.70E-06	3.09E-04	8.03E-06	3.51E-05	8.53E-07
2868	438306.97	3724578.86	2.94E-04	7.87E-06	6.03E-05	1.73E-06	3.15E-04	8.18E-06	3.58E-05	8.68E-07
2869	438313.16	3724585.81	2.99E-04	8.02E-06	6.15E-05	1.76E-06	3.21E-04	8.33E-06	3.65E-05	8.84E-07
2870	438319.36	3724592.76	3.05E-04	8.17E-06	6.27E-05	1.80E-06	3.27E-04	8.48E-06	3.72E-05	8.99E-07
2871	438325.55	3724599.7	3.11E-04	8.33E-06	6.39E-05	1.83E-06	3.33E-04	8.64E-06	3.79E-05	9.16E-07
2872	438331.75	3724606.65	3.17E-04	8.49E-06	6.51E-05	1.86E-06	3.40E-04	8.80E-06	3.86E-05	9.33E-07
2873	438337.94	3724613.6	3.22E-04	8.64E-06	6.62E-05	1.90E-06	3.45E-04	8.95E-06	3.92E-05	9.48E-07
2874	438344.14	3724620.55	3.28E-04	8.78E-06	6.73E-05	1.93E-06	3.51E-04	9.10E-06	3.99E-05	9.64E-07
2875	438350.33	3724627.5	3.33E-04	8.93E-06	6.84E-05	1.96E-06	3.57E-04	9.24E-06	4.05E-05	9.79E-07
2876	438356.53	3724634.44	3.39E-04	9.08E-06	6.95E-05	1.99E-06	3.63E-04	9.39E-06	4.12E-05	9.95E-07
2877	438418.48	3724703.92	3.87E-04	1.04E-05	7.92E-05	2.28E-06	4.14E-04	1.08E-05	4.68E-05	1.14E-06
2878	438430.88	3724717.82	3.95E-04	1.07E-05	8.09E-05	2.34E-06	4.23E-04	1.10E-05	4.77E-05	1.17E-06
2879	438437.07	3724724.77	3.99E-04	1.08E-05	8.16E-05	2.36E-06	4.27E-04	1.12E-05	4.82E-05	1.18E-06
2880	438443.27	3724731.71	4.02E-04	1.09E-05	8.24E-05	2.39E-06	4.31E-04	1.13E-05	4.86E-05	1.19E-06
2881	438449.46	3724738.66	4.06E-04	1.10E-05	8.31E-05	2.41E-06	4.35E-04	1.14E-05	4.90E-05	1.21E-06
2882	438455.66	3724745.61	4.09E-04	1.12E-05	8.38E-05	2.44E-06	4.38E-04	1.15E-05	4.94E-05	1.22E-06
2883	438461.85	3724752.56	4.13E-04	1.13E-05	8.44E-05	2.46E-06	4.42E-04	1.16E-05	4.98E-05	1.23E-06
2884	438468.05	3724759.51	4.16E-04	1.14E-05	8.51E-05	2.49E-06	4.45E-04	1.17E-05	5.02E-05	1.24E-06
2885	438474.24	3724766.45	4.19E-04	1.15E-05	8.57E-05	2.51E-06	4.48E-04	1.19E-05	5.05E-05	1.26E-06
2886	438480.44	3724773.4	4.22E-04	1.16E-05	8.63E-05	2.53E-06	4.51E-04	1.20E-05	5.09E-05	1.27E-06
2887	438486.63	3724780.35	4.25E-04	1.17E-05	8.69E-05	2.56E-06	4.54E-04	1.21E-05	5.12E-05	1.28E-06
2888	438492.83	3724787.3	4.27E-04	1.18E-05	8.74E-05	2.58E-06	4.57E-04	1.22E-05	5.15E-05	1.29E-06
2889	438499.03	3724794.25	4.31E-04	1.19E-05	8.81E-05	2.60E-06	4.61E-04	1.23E-05	5.19E-05	1.30E-06
2890	438505.22	3724801.19	4.34E-04	1.20E-05	8.87E-05	2.63E-06	4.64E-04	1.24E-05	5.22E-05	1.31E-06
2891	438511.42	3724808.14	4.37E-04	1.21E-05	8.93E-05	2.65E-06	4.67E-04	1.25E-05	5.26E-05	1.33E-06
2892	438517.61	3724815.09	4.39E-04	1.22E-05	8.99E-05	2.68E-06	4.70E-04	1.26E-05	5.29E-05	1.34E-06
2893	438523.81	3724822.04	4.43E-04	1.23E-05	9.06E-05	2.70E-06	4.74E-04	1.28E-05	5.33E-05	1.35E-06
2894	438251.21	3724516.33	2.43E-04	6.54E-06	5.00E-05	1.45E-06	2.60E-04	6.86E-06	2.97E-05	7.30E-07
2895	438243.45	3724511	2.37E-04	6.41E-06	4.89E-05	1.42E-06	2.55E-04	6.72E-06	2.91E-05	7.16E-07
2896	438235.7	3724505.67	2.32E-04	6.28E-06	4.79E-05	1.40E-06	2.49E-04	6.59E-06	2.85E-05	7.02E-07
2897	438227.94	3724500.34	2.27E-04	6.14E-06	4.68E-05	1.37E-06	2.44E-04	6.46E-06	2.79E-05	6.88E-07
2898	438220.19	3724495	2.22E-04	6.01E-06	4.57E-05	1.34E-06	2.38E-04	6.32E-06	2.73E-05	6.74E-07
2899	438212.43	3724489.67	2.17E-04	5.88E-06	4.47E-05	1.31E-06	2.33E-04	6.19E-06	2.67E-05	6.60E-07
2900	438204.68	3724484.34	2.12E-04	5.75E-06	4.37E-05	1.28E-06	2.27E-04	6.07E-06	2.61E-05	6.47E-07
2901	438196.92	3724479.01	2.07E-04	5.63E-06	4.27E-05	1.26E-06	2.22E-04	5.94E-06	2.55E-05	6.34E-07
2902	438189.17	3724473.68	2.02E-04	5.50E-06	4.17E-05	1.23E-06	2.17E-04	5.81E-06	2.49E-05	6.21E-07
2903	438466.11	3724698.96	3.71E-04	1.02E-05	7.60E-05	2.23E-06	3.97E-04	1.05E-05	4.49E-05	1.11E-06

2904	438472.31	3724705.91	3.74E-04	1.03E-05	7.67E-05	2.25E-06	4.01E-04	1.06E-05	4.53E-05	1.13E-06
2905	438478.52	3724712.87	3.78E-04	1.04E-05	7.74E-05	2.27E-06	4.04E-04	1.07E-05	4.57E-05	1.14E-06
2906	438484.72	3724719.82	3.81E-04	1.05E-05	7.80E-05	2.30E-06	4.08E-04	1.08E-05	4.60E-05	1.15E-06
2907	438490.92	3724726.78	3.84E-04	1.06E-05	7.86E-05	2.32E-06	4.11E-04	1.09E-05	4.64E-05	1.16E-06
2908	438497.12	3724733.73	3.87E-04	1.07E-05	7.93E-05	2.34E-06	4.14E-04	1.11E-05	4.68E-05	1.17E-06
2909	438503.32	3724740.69	3.90E-04	1.08E-05	7.99E-05	2.37E-06	4.18E-04	1.12E-05	4.71E-05	1.18E-06
2910	438509.52	3724747.64	3.94E-04	1.09E-05	8.06E-05	2.39E-06	4.21E-04	1.13E-05	4.75E-05	1.20E-06
2911	438515.72	3724754.6	3.97E-04	1.10E-05	8.12E-05	2.41E-06	4.25E-04	1.14E-05	4.79E-05	1.21E-06
2912	438521.93	3724761.55	4.00E-04	1.11E-05	8.18E-05	2.44E-06	4.28E-04	1.15E-05	4.82E-05	1.22E-06
2913	438528.13	3724768.51	4.02E-04	1.12E-05	8.23E-05	2.46E-06	4.30E-04	1.16E-05	4.85E-05	1.23E-06
2914	438534.33	3724775.46	4.05E-04	1.13E-05	8.28E-05	2.48E-06	4.33E-04	1.17E-05	4.88E-05	1.24E-06
2915	438540.53	3724782.42	4.07E-04	1.14E-05	8.33E-05	2.50E-06	4.36E-04	1.18E-05	4.91E-05	1.25E-06
2916	438546.73	3724789.37	4.10E-04	1.14E-05	8.39E-05	2.52E-06	4.39E-04	1.19E-05	4.94E-05	1.26E-06
2917	438552.93	3724796.32	4.12E-04	1.15E-05	8.43E-05	2.54E-06	4.41E-04	1.20E-05	4.97E-05	1.27E-06
2918	438559.13	3724803.28	4.13E-04	1.16E-05	8.45E-05	2.55E-06	4.42E-04	1.21E-05	4.98E-05	1.28E-06
2919	438211.83	3724440.72	1.90E-04	5.23E-06	3.93E-05	1.17E-06	2.04E-04	5.54E-06	2.35E-05	5.92E-07
2920	438302.73	3724457.37	2.09E-04	5.77E-06	4.31E-05	1.29E-06	2.24E-04	6.09E-06	2.57E-05	6.50E-07
2921	438308.94	3724464.33	2.14E-04	5.89E-06	4.40E-05	1.31E-06	2.29E-04	6.21E-06	2.62E-05	6.63E-07
2922	438315.15	3724471.29	2.18E-04	6.01E-06	4.50E-05	1.34E-06	2.34E-04	6.33E-06	2.68E-05	6.75E-07
2923	438321.35	3724478.25	2.23E-04	6.12E-06	4.59E-05	1.36E-06	2.39E-04	6.45E-06	2.73E-05	6.88E-07
2924	438327.56	3724485.21	2.27E-04	6.24E-06	4.68E-05	1.39E-06	2.44E-04	6.57E-06	2.78E-05	7.00E-07
2925	438333.77	3724492.17	2.32E-04	6.36E-06	4.77E-05	1.41E-06	2.48E-04	6.69E-06	2.83E-05	7.12E-07
2926	438339.97	3724499.13	2.36E-04	6.47E-06	4.86E-05	1.44E-06	2.53E-04	6.80E-06	2.89E-05	7.25E-07
2927	438346.18	3724506.09	2.41E-04	6.60E-06	4.95E-05	1.47E-06	2.58E-04	6.93E-06	2.94E-05	7.38E-07
2928	438352.39	3724513.05	2.45E-04	6.72E-06	5.05E-05	1.49E-06	2.63E-04	7.05E-06	3.00E-05	7.51E-07
2929	438358.6	3724520.01	2.50E-04	6.85E-06	5.14E-05	1.52E-06	2.68E-04	7.18E-06	3.05E-05	7.64E-07
2930	438364.8	3724526.97	2.55E-04	6.97E-06	5.23E-05	1.55E-06	2.73E-04	7.30E-06	3.11E-05	7.77E-07
2931	438371.01	3724533.93	2.59E-04	7.09E-06	5.32E-05	1.57E-06	2.78E-04	7.42E-06	3.16E-05	7.90E-07
2932	438377.22	3724540.9	2.64E-04	7.21E-06	5.42E-05	1.60E-06	2.83E-04	7.55E-06	3.22E-05	8.03E-07
2933	438383.42	3724547.86	2.68E-04	7.34E-06	5.51E-05	1.63E-06	2.88E-04	7.68E-06	3.27E-05	8.16E-07
2934	438389.63	3724554.82	2.73E-04	7.47E-06	5.61E-05	1.65E-06	2.93E-04	7.81E-06	3.33E-05	8.30E-07
2935	438395.84	3724561.78	2.78E-04	7.60E-06	5.71E-05	1.68E-06	2.98E-04	7.94E-06	3.39E-05	8.44E-07
2936	438402.04	3724568.74	2.83E-04	7.73E-06	5.80E-05	1.71E-06	3.03E-04	8.07E-06	3.44E-05	8.58E-07
2937	438408.25	3724575.7	2.87E-04	7.85E-06	5.90E-05	1.74E-06	3.08E-04	8.20E-06	3.49E-05	8.71E-07
2938	438414.46	3724582.66	2.92E-04	7.98E-06	5.99E-05	1.76E-06	3.13E-04	8.33E-06	3.55E-05	8.85E-07
2939	438420.67	3724589.62	2.97E-04	8.12E-06	6.09E-05	1.79E-06	3.18E-04	8.46E-06	3.61E-05	8.99E-07
2940	438426.87	3724596.58	3.02E-04	8.25E-06	6.19E-05	1.82E-06	3.23E-04	8.60E-06	3.66E-05	9.13E-07
2941	438433.08	3724603.54	3.06E-04	8.38E-06	6.29E-05	1.85E-06	3.28E-04	8.74E-06	3.72E-05	9.28E-07
2942	438439.29	3724610.5	3.11E-04	8.51E-06	6.37E-05	1.88E-06	3.33E-04	8.86E-06	3.77E-05	9.41E-07
2943	438445.49	3724617.46	3.15E-04	8.63E-06	6.46E-05	1.90E-06	3.37E-04	8.98E-06	3.82E-05	9.54E-07
2944	438451.7	3724624.42	3.19E-04	8.75E-06	6.55E-05	1.93E-06	3.42E-04	9.11E-06	3.87E-05	9.67E-07
2945	438296.53	3724450.4	2.05E-04	5.66E-06	4.22E-05	1.27E-06	2.20E-04	5.98E-06	2.52E-05	6.38E-07
2946	438288.77	3724445.07	2.02E-04	5.57E-06	4.16E-05	1.25E-06	2.16E-04	5.89E-06	2.48E-05	6.29E-07
2947	438281.02	3724439.74	1.99E-04	5.48E-06	4.09E-05	1.23E-06	2.13E-04	5.80E-06	2.44E-05	6.20E-07
2948	438273.26	3724434.41	1.95E-04	5.39E-06	4.02E-05	1.21E-06	2.09E-04	5.70E-06	2.40E-05	6.10E-07
2949	438325.4	3724424.41	1.91E-04	5.31E-06	3.92E-05	1.19E-06	2.04E-04	5.63E-06	2.34E-05	6.02E-07
2950	438331.61	3724431.38	1.94E-04	5.42E-06	4.00E-05	1.21E-06	2.08E-04	5.74E-06	2.39E-05	6.13E-07
2951	438337.82	3724438.34	1.98E-04	5.52E-06	4.08E-05	1.24E-06	2.13E-04	5.84E-06	2.43E-05	6.24E-07
2952	438344.03	3724445.31	2.02E-04	5.63E-06	4.17E-05	1.26E-06	2.17E-04	5.95E-06	2.48E-05	6.36E-07
2953	438350.25	3724452.27	2.06E-04	5.74E-06	4.25E-05	1.28E-06	2.21E-04	6.06E-06	2.53E-05	6.48E-07
2954	438356.46	3724459.24	2.11E-04	5.85E-06	4.34E-05	1.31E-06	2.26E-04	6.18E-06	2.58E-05	6.59E-07
2955	438362.67	3724466.21	2.15E-04	5.96E-06	4.42E-05	1.33E-06	2.30E-04	6.29E-06	2.63E-05	6.71E-07
2956	438368.88	3724473.17	2.19E-04	6.07E-06	4.50E-05	1.35E-06	2.35E-04	6.40E-06	2.68E-05	6.83E-07
2957	438375.09	3724480.14	2.23E-04	6.18E-06	4.59E-05	1.38E-06	2.39E-04	6.51E-06	2.73E-05	6.95E-07
2958	438381.31	3724487.11	2.27E-04	6.29E-06	4.68E-05	1.40E-06	2.44E-04	6.63E-06	2.78E-05	7.07E-07
2959	438387.52	3724494.07	2.31E-04	6.41E-06	4.76E-05	1.43E-06	2.48E-04	6.74E-06	2.83E-05	7.19E-07
2960	438393.73	3724501.04	2.36E-04	6.52E-06	4.85E-05	1.45E-06	2.53E-04	6.86E-06	2.88E-05	7.31E-07

2961	438399.94	3724508.01	2.40E-04	6.63E-06	4.93E-05	1.48E-06	2.57E-04	6.97E-06	2.93E-05	7.43E-07
2962	438406.16	3724514.97	2.44E-04	6.74E-06	5.01E-05	1.50E-06	2.61E-04	7.08E-06	2.98E-05	7.55E-07
2963	438412.37	3724521.94	2.48E-04	6.85E-06	5.10E-05	1.52E-06	2.66E-04	7.20E-06	3.02E-05	7.67E-07
2964	438418.58	3724528.91	2.52E-04	6.97E-06	5.18E-05	1.55E-06	2.70E-04	7.31E-06	3.07E-05	7.79E-07
2965	438424.79	3724535.87	2.56E-04	7.08E-06	5.26E-05	1.57E-06	2.74E-04	7.43E-06	3.12E-05	7.91E-07
2966	438431	3724542.84	2.60E-04	7.20E-06	5.35E-05	1.60E-06	2.79E-04	7.55E-06	3.17E-05	8.03E-07
2967	438437.22	3724549.81	2.64E-04	7.31E-06	5.43E-05	1.62E-06	2.83E-04	7.66E-06	3.22E-05	8.15E-07
2968	438443.43	3724556.77	2.68E-04	7.41E-06	5.51E-05	1.64E-06	2.87E-04	7.77E-06	3.26E-05	8.27E-07
2969	438449.64	3724563.74	2.72E-04	7.53E-06	5.59E-05	1.67E-06	2.92E-04	7.88E-06	3.31E-05	8.39E-07
2970	438455.85	3724570.7	2.76E-04	7.64E-06	5.67E-05	1.69E-06	2.96E-04	8.00E-06	3.36E-05	8.51E-07
2971	438462.06	3724577.67	2.80E-04	7.76E-06	5.76E-05	1.72E-06	3.00E-04	8.12E-06	3.41E-05	8.64E-07
2972	438468.28	3724584.64	2.84E-04	7.87E-06	5.83E-05	1.74E-06	3.04E-04	8.23E-06	3.45E-05	8.76E-07
2973	438474.49	3724591.6	2.88E-04	7.97E-06	5.91E-05	1.77E-06	3.08E-04	8.34E-06	3.50E-05	8.87E-07
2974	438480.7	3724598.57	2.92E-04	8.08E-06	5.98E-05	1.79E-06	3.12E-04	8.45E-06	3.54E-05	8.98E-07
2975	438486.91	3724605.54	2.95E-04	8.18E-06	6.05E-05	1.81E-06	3.16E-04	8.55E-06	3.58E-05	9.09E-07
2976	438493.12	3724612.5	2.99E-04	8.28E-06	6.12E-05	1.83E-06	3.20E-04	8.66E-06	3.62E-05	9.21E-07
2977	438319.19	3724417.44	1.87E-04	5.21E-06	3.85E-05	1.17E-06	2.00E-04	5.53E-06	2.29E-05	5.91E-07
2978	438311.43	3724412.11	1.83E-04	5.13E-06	3.78E-05	1.15E-06	1.97E-04	5.44E-06	2.25E-05	5.82E-07
2979	438303.68	3724406.78	1.80E-04	5.04E-06	3.72E-05	1.13E-06	1.93E-04	5.36E-06	2.22E-05	5.73E-07
2980	438295.92	3724401.45	1.77E-04	4.96E-06	3.66E-05	1.12E-06	1.90E-04	5.27E-06	2.18E-05	5.64E-07
2981	438288.17	3724396.12	1.74E-04	4.88E-06	3.59E-05	1.10E-06	1.87E-04	5.19E-06	2.14E-05	5.55E-07
2982	438280.41	3724390.79	1.71E-04	4.79E-06	3.53E-05	1.08E-06	1.83E-04	5.10E-06	2.11E-05	5.46E-07
2983	438272.66	3724385.46	1.68E-04	4.71E-06	3.47E-05	1.06E-06	1.80E-04	5.02E-06	2.07E-05	5.38E-07
2984	438264.9	3724380.12	1.65E-04	4.62E-06	3.40E-05	1.04E-06	1.77E-04	4.93E-06	2.03E-05	5.28E-07
2985	438257.15	3724374.79	1.62E-04	4.54E-06	3.34E-05	1.03E-06	1.73E-04	4.85E-06	1.99E-05	5.19E-07
2986	438089.2	3724598.65	2.66E-04	6.90E-06	5.50E-05	1.52E-06	2.86E-04	7.20E-06	3.29E-05	7.65E-07
2987	438112.54	3724566.16	2.45E-04	6.44E-06	5.06E-05	1.43E-06	2.63E-04	6.75E-06	3.02E-05	7.18E-07
2988	438098.24	3724555.89	2.32E-04	6.11E-06	4.78E-05	1.36E-06	2.48E-04	6.42E-06	2.86E-05	6.84E-07
2989	438083.93	3724545.61	2.17E-04	5.76E-06	4.49E-05	1.29E-06	2.33E-04	6.08E-06	2.69E-05	6.48E-07
2990	438135.87	3724533.67	2.27E-04	6.04E-06	4.68E-05	1.34E-06	2.43E-04	6.35E-06	2.80E-05	6.77E-07
2991	438121.57	3724523.4	2.15E-04	5.75E-06	4.44E-05	1.28E-06	2.31E-04	6.06E-06	2.66E-05	6.47E-07
2992	438107.27	3724513.12	2.04E-04	5.46E-06	4.21E-05	1.22E-06	2.19E-04	5.78E-06	2.52E-05	6.17E-07
2993	438159.21	3724501.18	2.11E-04	5.69E-06	4.36E-05	1.27E-06	2.27E-04	6.01E-06	2.61E-05	6.41E-07
2994	438144.9	3724490.91	2.01E-04	5.43E-06	4.15E-05	1.22E-06	2.16E-04	5.75E-06	2.48E-05	6.14E-07
2995	438130.6	3724480.64	1.91E-04	5.18E-06	3.95E-05	1.16E-06	2.05E-04	5.49E-06	2.36E-05	5.87E-07
2996	438175.39	3724463.56	1.93E-04	5.27E-06	3.99E-05	1.18E-06	2.07E-04	5.58E-06	2.38E-05	5.97E-07
2997	438161.09	3724453.28	1.84E-04	5.04E-06	3.80E-05	1.13E-06	1.98E-04	5.35E-06	2.28E-05	5.72E-07
2998	438146.79	3724443.01	1.75E-04	4.81E-06	3.62E-05	1.08E-06	1.88E-04	5.12E-06	2.17E-05	5.48E-07
2999	438198.72	3724431.07	1.83E-04	5.03E-06	3.77E-05	1.13E-06	1.96E-04	5.34E-06	2.25E-05	5.71E-07
3000	438184.42	3724420.79	1.74E-04	4.81E-06	3.60E-05	1.08E-06	1.87E-04	5.12E-06	2.15E-05	5.48E-07
3001	438170.12	3724410.52	1.66E-04	4.60E-06	3.43E-05	1.04E-06	1.78E-04	4.90E-06	2.05E-05	5.25E-07
3002	438245.39	3724366.09	1.57E-04	4.40E-06	3.23E-05	9.96E-07	1.68E-04	4.71E-06	1.93E-05	5.05E-07
3003	438231.09	3724355.82	1.51E-04	4.25E-06	3.11E-05	9.62E-07	1.61E-04	4.55E-06	1.86E-05	4.88E-07
3004	438216.79	3724345.54	1.45E-04	4.09E-06	2.99E-05	9.28E-07	1.55E-04	4.39E-06	1.79E-05	4.71E-07
3005	437513.6	3724656.1	1.03E-04	2.66E-06	2.13E-05	5.97E-07	1.10E-04	2.82E-06	1.28E-05	3.02E-07
3006	437530.16	3724649.27	1.02E-04	2.66E-06	2.11E-05	6.02E-07	1.09E-04	2.85E-06	1.28E-05	3.05E-07
3007	437546.71	3724642.44	1.01E-04	2.67E-06	2.10E-05	6.09E-07	1.09E-04	2.88E-06	1.27E-05	3.10E-07
3008	437563.27	3724635.61	1.01E-04	2.69E-06	2.11E-05	6.18E-07	1.09E-04	2.92E-06	1.28E-05	3.15E-07
3009	437647.63	3724631.11	1.05E-04	2.87E-06	2.21E-05	6.74E-07	1.14E-04	3.19E-06	1.36E-05	3.47E-07
3010	437664.82	3724636.14	1.15E-04	3.08E-06	2.41E-05	7.23E-07	1.23E-04	3.42E-06	1.48E-05	3.72E-07
3011	437456.75	3724648.95	9.93E-05	2.50E-06	2.05E-05	5.43E-07	1.07E-04	2.57E-06	1.22E-05	2.71E-07
3012	437473.01	3724642.24	9.63E-05	2.46E-06	1.99E-05	5.41E-07	1.03E-04	2.56E-06	1.19E-05	2.71E-07
3013	437489.27	3724635.53	9.38E-05	2.44E-06	1.94E-05	5.41E-07	1.01E-04	2.56E-06	1.16E-05	2.72E-07
3014	437505.52	3724628.82	9.20E-05	2.42E-06	1.91E-05	5.43E-07	9.88E-05	2.56E-06	1.15E-05	2.74E-07
3015	437521.78	3724622.11	9.07E-05	2.42E-06	1.88E-05	5.46E-07	9.75E-05	2.58E-06	1.13E-05	2.77E-07
3016	437538.04	3724615.4	9.00E-05	2.42E-06	1.87E-05	5.52E-07	9.67E-05	2.61E-06	1.13E-05	2.80E-07
3017	437554.29	3724608.7	8.98E-05	2.44E-06	1.87E-05	5.59E-07	9.65E-05	2.64E-06	1.13E-05	2.85E-07

3018	437611.5	3724591.04	8.39E-05	2.36E-06	1.75E-05	5.53E-07	9.03E-05	2.62E-06	1.07E-05	2.84E-07
3019	437628.38	3724595.98	8.74E-05	2.45E-06	1.83E-05	5.76E-07	9.41E-05	2.72E-06	1.12E-05	2.96E-07
3020	437645.26	3724600.92	9.17E-05	2.56E-06	1.92E-05	6.02E-07	9.88E-05	2.85E-06	1.17E-05	3.10E-07
3021	437662.14	3724605.86	9.91E-05	2.74E-06	2.08E-05	6.44E-07	1.07E-04	3.05E-06	1.27E-05	3.31E-07
3022	437679.01	3724610.8	1.08E-04	2.96E-06	2.28E-05	6.95E-07	1.17E-04	3.29E-06	1.39E-05	3.58E-07
3023	437695.89	3724615.74	1.18E-04	3.18E-06	2.48E-05	7.46E-07	1.27E-04	3.53E-06	1.52E-05	3.83E-07
3024	437712.77	3724620.68	1.28E-04	3.42E-06	2.70E-05	8.00E-07	1.38E-04	3.78E-06	1.65E-05	4.11E-07
3025	437388.89	3724646.33	1.05E-04	2.50E-06	2.15E-05	5.27E-07	1.12E-04	2.49E-06	1.27E-05	2.59E-07
3026	437405.24	3724639.59	1.00E-04	2.43E-06	2.05E-05	5.17E-07	1.07E-04	2.44E-06	1.22E-05	2.55E-07
3027	437421.59	3724632.84	9.58E-05	2.37E-06	1.97E-05	5.09E-07	1.03E-04	2.40E-06	1.17E-05	2.52E-07
3028	437437.95	3724626.09	9.21E-05	2.32E-06	1.90E-05	5.03E-07	9.88E-05	2.37E-06	1.13E-05	2.50E-07
3029	437454.3	3724619.34	8.89E-05	2.28E-06	1.83E-05	4.98E-07	9.54E-05	2.35E-06	1.09E-05	2.49E-07
3030	437470.65	3724612.6	8.62E-05	2.25E-06	1.78E-05	4.96E-07	9.25E-05	2.34E-06	1.06E-05	2.49E-07
3031	437487	3724605.85	8.41E-05	2.22E-06	1.74E-05	4.95E-07	9.03E-05	2.34E-06	1.04E-05	2.50E-07
3032	437503.35	3724599.1	8.25E-05	2.21E-06	1.71E-05	4.97E-07	8.86E-05	2.35E-06	1.03E-05	2.51E-07
3033	437519.7	3724592.35	8.14E-05	2.21E-06	1.69E-05	5.01E-07	8.74E-05	2.37E-06	1.02E-05	2.54E-07
3034	437536.06	3724585.6	8.08E-05	2.21E-06	1.68E-05	5.05E-07	8.68E-05	2.39E-06	1.01E-05	2.57E-07
3035	437585.11	3724565.36	7.31E-05	2.09E-06	1.52E-05	4.87E-07	7.86E-05	2.30E-06	9.23E-06	2.50E-07
3036	437609.95	3724561.1	7.36E-05	2.12E-06	1.54E-05	4.96E-07	7.92E-05	2.35E-06	9.34E-06	2.55E-07
3037	437626.93	3724566.07	7.79E-05	2.23E-06	1.63E-05	5.23E-07	8.38E-05	2.48E-06	9.92E-06	2.69E-07
3038	437643.91	3724571.04	8.24E-05	2.34E-06	1.72E-05	5.51E-07	8.87E-05	2.61E-06	1.05E-05	2.84E-07
3039	437660.88	3724576.01	8.86E-05	2.50E-06	1.86E-05	5.88E-07	9.54E-05	2.78E-06	1.13E-05	3.03E-07
3040	437677.86	3724580.98	9.68E-05	2.70E-06	2.03E-05	6.34E-07	1.04E-04	3.00E-06	1.24E-05	3.27E-07
3041	437694.84	3724585.95	1.05E-04	2.90E-06	2.21E-05	6.81E-07	1.13E-04	3.22E-06	1.35E-05	3.51E-07
3042	437711.81	3724590.92	1.15E-04	3.12E-06	2.40E-05	7.31E-07	1.24E-04	3.46E-06	1.47E-05	3.76E-07
3043	437728.79	3724595.89	1.25E-04	3.36E-06	2.62E-05	7.85E-07	1.35E-04	3.71E-06	1.60E-05	4.03E-07
3044	437745.77	3724600.85	1.37E-04	3.63E-06	2.86E-05	8.45E-07	1.47E-04	4.00E-06	1.75E-05	4.33E-07
3045	437762.74	3724605.82	1.49E-04	3.92E-06	3.13E-05	9.08E-07	1.61E-04	4.29E-06	1.91E-05	4.65E-07
3046	437779.72	3724610.79	1.63E-04	4.24E-06	3.42E-05	9.77E-07	1.76E-04	4.62E-06	2.09E-05	4.99E-07
3047	437796.7	3724615.76	1.79E-04	4.60E-06	3.74E-05	1.05E-06	1.93E-04	4.98E-06	2.28E-05	5.37E-07
3048	437813.68	3724620.73	1.96E-04	5.00E-06	4.11E-05	1.14E-06	2.11E-04	5.38E-06	2.50E-05	5.79E-07
3049	437362.23	3724616.51	9.67E-05	2.32E-06	1.98E-05	4.88E-07	1.04E-04	2.30E-06	1.17E-05	2.39E-07
3050	437378.58	3724609.77	9.24E-05	2.25E-06	1.89E-05	4.76E-07	9.90E-05	2.25E-06	1.12E-05	2.35E-07
3051	437394.94	3724603.02	8.84E-05	2.19E-06	1.81E-05	4.67E-07	9.47E-05	2.20E-06	1.07E-05	2.31E-07
3052	437411.29	3724596.27	8.47E-05	2.13E-06	1.74E-05	4.59E-07	9.08E-05	2.17E-06	1.03E-05	2.28E-07
3053	437427.64	3724589.52	8.15E-05	2.09E-06	1.68E-05	4.52E-07	8.73E-05	2.14E-06	9.94E-06	2.25E-07
3054	437443.99	3724582.77	7.87E-05	2.05E-06	1.62E-05	4.48E-07	8.44E-05	2.12E-06	9.63E-06	2.24E-07
3055	437460.34	3724576.03	7.63E-05	2.02E-06	1.57E-05	4.46E-07	8.18E-05	2.11E-06	9.37E-06	2.24E-07
3056	437476.69	3724569.28	7.43E-05	1.99E-06	1.53E-05	4.45E-07	7.97E-05	2.10E-06	9.16E-06	2.24E-07
3057	437493.05	3724562.53	7.28E-05	1.98E-06	1.50E-05	4.45E-07	7.81E-05	2.10E-06	9.01E-06	2.25E-07
3058	437509.4	3724555.78	7.16E-05	1.97E-06	1.48E-05	4.47E-07	7.68E-05	2.11E-06	8.90E-06	2.27E-07
3059	437558.45	3724535.54	6.74E-05	1.93E-06	1.40E-05	4.47E-07	7.24E-05	2.11E-06	8.44E-06	2.29E-07
3060	437574.8	3724528.79	6.36E-05	1.85E-06	1.32E-05	4.31E-07	6.84E-05	2.04E-06	8.00E-06	2.21E-07
3061	437591.16	3724522.04	6.20E-05	1.82E-06	1.29E-05	4.25E-07	6.66E-05	2.01E-06	7.81E-06	2.19E-07
3062	437607.82	3724521.15	6.40E-05	1.88E-06	1.33E-05	4.40E-07	6.88E-05	2.08E-06	8.09E-06	2.26E-07
3063	437624.8	3724526.12	6.75E-05	1.98E-06	1.41E-05	4.65E-07	7.26E-05	2.20E-06	8.57E-06	2.39E-07
3064	437641.77	3724531.09	7.20E-05	2.09E-06	1.50E-05	4.93E-07	7.75E-05	2.33E-06	9.16E-06	2.54E-07
3065	437658.75	3724536.06	7.74E-05	2.23E-06	1.62E-05	5.26E-07	8.33E-05	2.49E-06	9.87E-06	2.71E-07
3066	437675.73	3724541.03	8.38E-05	2.39E-06	1.75E-05	5.63E-07	9.02E-05	2.66E-06	1.07E-05	2.90E-07
3067	437692.71	3724546	9.09E-05	2.57E-06	1.90E-05	6.04E-07	9.78E-05	2.86E-06	1.16E-05	3.11E-07
3068	437709.68	3724550.97	9.90E-05	2.77E-06	2.07E-05	6.49E-07	1.07E-04	3.07E-06	1.27E-05	3.34E-07
3069	437726.66	3724555.94	1.07E-04	2.96E-06	2.24E-05	6.93E-07	1.15E-04	3.28E-06	1.37E-05	3.56E-07
3070	437743.64	3724560.91	1.16E-04	3.17E-06	2.42E-05	7.40E-07	1.25E-04	3.50E-06	1.48E-05	3.80E-07
3071	437760.61	3724565.88	1.26E-04	3.41E-06	2.63E-05	7.93E-07	1.35E-04	3.75E-06	1.61E-05	4.06E-07
3072	437777.59	3724570.85	1.36E-04	3.65E-06	2.85E-05	8.46E-07	1.47E-04	4.00E-06	1.74E-05	4.33E-07
3073	437794.57	3724575.82	1.47E-04	3.90E-06	3.07E-05	9.01E-07	1.58E-04	4.26E-06	1.87E-05	4.60E-07
3074	437811.54	3724580.79	1.59E-04	4.19E-06	3.33E-05	9.64E-07	1.72E-04	4.56E-06	2.03E-05	4.92E-07

3075	437828.52	3724585.76	1.73E-04	4.51E-06	3.62E-05	1.03E-06	1.86E-04	4.88E-06	2.20E-05	5.26E-07
3076	437335.57	3724586.69	9.01E-05	2.17E-06	1.85E-05	4.56E-07	9.65E-05	2.15E-06	1.09E-05	2.24E-07
3077	437351.92	3724579.94	8.61E-05	2.11E-06	1.76E-05	4.45E-07	9.22E-05	2.10E-06	1.04E-05	2.19E-07
3078	437368.28	3724573.2	8.23E-05	2.04E-06	1.69E-05	4.34E-07	8.82E-05	2.05E-06	9.98E-06	2.14E-07
3079	437384.63	3724566.45	7.88E-05	1.98E-06	1.62E-05	4.25E-07	8.44E-05	2.00E-06	9.56E-06	2.10E-07
3080	437400.98	3724559.7	7.57E-05	1.93E-06	1.55E-05	4.18E-07	8.11E-05	1.97E-06	9.20E-06	2.07E-07
3081	437417.33	3724552.95	7.28E-05	1.89E-06	1.50E-05	4.11E-07	7.80E-05	1.94E-06	8.88E-06	2.05E-07
3082	437433.68	3724546.2	7.03E-05	1.86E-06	1.45E-05	4.07E-07	7.53E-05	1.92E-06	8.59E-06	2.04E-07
3083	437450.04	3724539.46	6.82E-05	1.83E-06	1.40E-05	4.04E-07	7.31E-05	1.91E-06	8.36E-06	2.03E-07
3084	437466.39	3724532.71	6.63E-05	1.80E-06	1.37E-05	4.02E-07	7.11E-05	1.90E-06	8.16E-06	2.03E-07
3085	437482.74	3724525.96	6.49E-05	1.79E-06	1.34E-05	4.02E-07	6.96E-05	1.90E-06	8.01E-06	2.03E-07
3086	437580.85	3724485.47	5.71E-05	1.69E-06	1.19E-05	3.94E-07	6.13E-05	1.87E-06	7.17E-06	2.03E-07
3087	437605.69	3724481.21	5.80E-05	1.73E-06	1.21E-05	4.05E-07	6.23E-05	1.92E-06	7.32E-06	2.08E-07
3088	437622.67	3724486.18	6.07E-05	1.80E-06	1.27E-05	4.24E-07	6.53E-05	2.01E-06	7.68E-06	2.18E-07
3089	437639.64	3724491.15	6.42E-05	1.90E-06	1.34E-05	4.47E-07	6.91E-05	2.12E-06	8.14E-06	2.31E-07
3090	437656.62	3724496.12	6.84E-05	2.01E-06	1.43E-05	4.74E-07	7.36E-05	2.24E-06	8.69E-06	2.44E-07
3091	437673.6	3724501.09	7.36E-05	2.15E-06	1.54E-05	5.06E-07	7.92E-05	2.39E-06	9.37E-06	2.61E-07
3092	437690.57	3724506.06	7.95E-05	2.30E-06	1.66E-05	5.41E-07	8.56E-05	2.56E-06	1.01E-05	2.79E-07
3093	437707.55	3724511.03	8.62E-05	2.47E-06	1.80E-05	5.80E-07	9.28E-05	2.74E-06	1.10E-05	2.99E-07
3094	437724.53	3724516	9.33E-05	2.64E-06	1.95E-05	6.20E-07	1.00E-04	2.93E-06	1.19E-05	3.19E-07
3095	437741.51	3724520.97	1.01E-04	2.82E-06	2.11E-05	6.61E-07	1.08E-04	3.13E-06	1.28E-05	3.40E-07
3096	437758.48	3724525.94	1.08E-04	3.00E-06	2.26E-05	7.01E-07	1.16E-04	3.32E-06	1.38E-05	3.60E-07
3097	437775.46	3724530.91	1.16E-04	3.20E-06	2.43E-05	7.46E-07	1.25E-04	3.53E-06	1.48E-05	3.83E-07
3098	437210.8	3724597.36	1.08E-04	2.54E-06	2.21E-05	5.30E-07	1.15E-04	2.50E-06	1.30E-05	2.59E-07
3099	437227.16	3724590.61	1.04E-04	2.45E-06	2.13E-05	5.11E-07	1.11E-04	2.41E-06	1.26E-05	2.50E-07
3100	437243.51	3724583.86	1.00E-04	2.37E-06	2.05E-05	4.93E-07	1.07E-04	2.33E-06	1.21E-05	2.41E-07
3101	437259.86	3724577.11	9.62E-05	2.28E-06	1.97E-05	4.76E-07	1.03E-04	2.24E-06	1.16E-05	2.33E-07
3102	437276.21	3724570.37	9.23E-05	2.20E-06	1.89E-05	4.60E-07	9.88E-05	2.17E-06	1.11E-05	2.25E-07
3103	437292.56	3724563.62	8.84E-05	2.13E-06	1.81E-05	4.45E-07	9.47E-05	2.10E-06	1.07E-05	2.18E-07
3104	437308.91	3724556.87	8.46E-05	2.05E-06	1.73E-05	4.31E-07	9.06E-05	2.03E-06	1.02E-05	2.12E-07
3105	437325.27	3724550.12	8.09E-05	1.98E-06	1.66E-05	4.19E-07	8.66E-05	1.98E-06	9.77E-06	2.06E-07
3106	437341.62	3724543.38	7.74E-05	1.92E-06	1.58E-05	4.08E-07	8.28E-05	1.93E-06	9.35E-06	2.01E-07
3107	437357.97	3724536.63	7.41E-05	1.86E-06	1.52E-05	3.98E-07	7.93E-05	1.88E-06	8.97E-06	1.97E-07
3108	437374.32	3724529.88	7.10E-05	1.81E-06	1.46E-05	3.89E-07	7.60E-05	1.84E-06	8.60E-06	1.93E-07
3109	437390.67	3724523.13	6.82E-05	1.77E-06	1.40E-05	3.82E-07	7.30E-05	1.81E-06	8.28E-06	1.90E-07
3110	437407.03	3724516.38	6.56E-05	1.73E-06	1.35E-05	3.77E-07	7.03E-05	1.78E-06	7.99E-06	1.88E-07
3111	437423.38	3724509.64	6.34E-05	1.69E-06	1.30E-05	3.72E-07	6.79E-05	1.76E-06	7.73E-06	1.86E-07
3112	437439.73	3724502.89	6.14E-05	1.66E-06	1.26E-05	3.69E-07	6.58E-05	1.74E-06	7.52E-06	1.86E-07
3113	437570.54	3724448.9	5.10E-05	1.53E-06	1.06E-05	3.56E-07	5.47E-05	1.68E-06	6.38E-06	1.83E-07
3114	437586.89	3724442.16	5.08E-05	1.53E-06	1.06E-05	3.59E-07	5.46E-05	1.70E-06	6.38E-06	1.84E-07
3115	437603.56	3724441.27	5.24E-05	1.58E-06	1.09E-05	3.70E-07	5.62E-05	1.75E-06	6.59E-06	1.91E-07
3116	437620.54	3724446.24	5.50E-05	1.66E-06	1.15E-05	3.90E-07	5.92E-05	1.84E-06	6.94E-06	2.01E-07
3117	437637.51	3724451.21	5.81E-05	1.74E-06	1.21E-05	4.10E-07	6.24E-05	1.94E-06	7.34E-06	2.11E-07
3118	437654.49	3724456.18	6.16E-05	1.84E-06	1.28E-05	4.34E-07	6.62E-05	2.05E-06	7.81E-06	2.24E-07
3119	437671.47	3724461.15	6.56E-05	1.95E-06	1.37E-05	4.59E-07	7.06E-05	2.17E-06	8.33E-06	2.37E-07
3120	437688.44	3724466.12	7.03E-05	2.07E-06	1.47E-05	4.89E-07	7.56E-05	2.31E-06	8.94E-06	2.52E-07
3121	437705.42	3724471.09	7.58E-05	2.21E-06	1.58E-05	5.21E-07	8.16E-05	2.47E-06	9.65E-06	2.69E-07
3122	437722.4	3724476.06	8.12E-05	2.35E-06	1.70E-05	5.53E-07	8.74E-05	2.62E-06	1.03E-05	2.85E-07
3123	437739.37	3724481.03	8.71E-05	2.50E-06	1.82E-05	5.87E-07	9.37E-05	2.78E-06	1.11E-05	3.02E-07
3124	437841.24	3724510.84	1.26E-04	3.45E-06	2.62E-05	7.98E-07	1.35E-04	3.77E-06	1.59E-05	4.08E-07
3125	437858.21	3724515.81	1.34E-04	3.65E-06	2.79E-05	8.41E-07	1.44E-04	3.98E-06	1.69E-05	4.30E-07
3126	437200.5	3724560.79	9.72E-05	2.33E-06	1.99E-05	4.88E-07	1.04E-04	2.30E-06	1.18E-05	2.39E-07
3127	437216.85	3724554.04	9.38E-05	2.25E-06	1.92E-05	4.70E-07	1.00E-04	2.22E-06	1.13E-05	2.30E-07
3128	437233.2	3724547.29	9.03E-05	2.17E-06	1.85E-05	4.54E-07	9.67E-05	2.14E-06	1.09E-05	2.23E-07
3129	437249.55	3724540.55	8.68E-05	2.09E-06	1.78E-05	4.39E-07	9.29E-05	2.07E-06	1.05E-05	2.15E-07
3130	437265.9	3724533.8	8.33E-05	2.02E-06	1.70E-05	4.24E-07	8.92E-05	2.00E-06	1.00E-05	2.08E-07
3131	437282.26	3724527.05	7.98E-05	1.95E-06	1.63E-05	4.11E-07	8.55E-05	1.94E-06	9.63E-06	2.02E-07

3132	437298.61	3724520.3	7.64E-05	1.88E-06	1.56E-05	3.98E-07	8.18E-05	1.88E-06	9.22E-06	1.96E-07
3133	437314.96	3724513.55	7.32E-05	1.82E-06	1.50E-05	3.87E-07	7.83E-05	1.82E-06	8.83E-06	1.91E-07
3134	437331.31	3724506.81	7.00E-05	1.76E-06	1.43E-05	3.76E-07	7.50E-05	1.78E-06	8.47E-06	1.86E-07
3135	437347.66	3724500.06	6.71E-05	1.71E-06	1.38E-05	3.68E-07	7.19E-05	1.73E-06	8.12E-06	1.82E-07
3136	437364.01	3724493.31	6.44E-05	1.66E-06	1.32E-05	3.59E-07	6.89E-05	1.70E-06	7.80E-06	1.79E-07
3137	437380.37	3724486.56	6.19E-05	1.62E-06	1.27E-05	3.52E-07	6.63E-05	1.66E-06	7.51E-06	1.76E-07
3138	437396.72	3724479.81	5.96E-05	1.59E-06	1.22E-05	3.47E-07	6.39E-05	1.64E-06	7.25E-06	1.74E-07
3139	437413.07	3724473.07	5.76E-05	1.55E-06	1.18E-05	3.43E-07	6.17E-05	1.62E-06	7.02E-06	1.72E-07
3140	437511.18	3724432.58	4.64E-05	1.37E-06	9.60E-06	3.15E-07	4.98E-05	1.49E-06	5.75E-06	1.61E-07
3141	437527.53	3724425.83	4.55E-05	1.36E-06	9.41E-06	3.13E-07	4.88E-05	1.48E-06	5.65E-06	1.60E-07
3142	437543.88	3724419.08	4.52E-05	1.36E-06	9.37E-06	3.16E-07	4.85E-05	1.49E-06	5.63E-06	1.62E-07
3143	437560.24	3724412.34	4.52E-05	1.37E-06	9.36E-06	3.19E-07	4.85E-05	1.51E-06	5.64E-06	1.64E-07
3144	437576.59	3724405.59	4.55E-05	1.38E-06	9.44E-06	3.24E-07	4.89E-05	1.53E-06	5.69E-06	1.66E-07
3145	437601.43	3724401.32	4.72E-05	1.44E-06	9.82E-06	3.39E-07	5.07E-05	1.60E-06	5.93E-06	1.74E-07
3146	437618.4	3724406.29	4.96E-05	1.51E-06	1.03E-05	3.56E-07	5.33E-05	1.68E-06	6.24E-06	1.83E-07
3147	437635.38	3724411.26	5.22E-05	1.59E-06	1.09E-05	3.74E-07	5.61E-05	1.77E-06	6.58E-06	1.93E-07
3148	437652.36	3724416.23	5.52E-05	1.67E-06	1.15E-05	3.94E-07	5.93E-05	1.87E-06	6.98E-06	2.03E-07
3149	437669.34	3724421.2	5.85E-05	1.76E-06	1.22E-05	4.16E-07	6.29E-05	1.97E-06	7.40E-06	2.15E-07
3150	437686.31	3724426.17	6.24E-05	1.87E-06	1.30E-05	4.41E-07	6.71E-05	2.09E-06	7.91E-06	2.28E-07
3151	437703.29	3724431.14	6.66E-05	1.98E-06	1.39E-05	4.68E-07	7.16E-05	2.21E-06	8.45E-06	2.41E-07
3152	437805.15	3724460.96	9.45E-05	2.70E-06	1.97E-05	6.31E-07	1.02E-04	2.99E-06	1.20E-05	3.24E-07
3153	437822.13	3724465.93	1.01E-04	2.85E-06	2.10E-05	6.64E-07	1.08E-04	3.14E-06	1.28E-05	3.41E-07
3154	437839.1	3724470.9	1.07E-04	3.01E-06	2.23E-05	7.00E-07	1.15E-04	3.31E-06	1.35E-05	3.59E-07
3155	437856.08	3724475.87	1.14E-04	3.17E-06	2.37E-05	7.35E-07	1.22E-04	3.48E-06	1.44E-05	3.77E-07
3156	437873.06	3724480.84	1.20E-04	3.32E-06	2.49E-05	7.68E-07	1.29E-04	3.63E-06	1.51E-05	3.93E-07
3157	437890.04	3724485.81	1.26E-04	3.48E-06	2.62E-05	8.02E-07	1.35E-04	3.79E-06	1.59E-05	4.10E-07
3158	438042.83	3724530.54	1.94E-04	5.17E-06	4.01E-05	1.16E-06	2.08E-04	5.49E-06	2.41E-05	5.87E-07
3159	438059.81	3724535.51	2.02E-04	5.38E-06	4.18E-05	1.21E-06	2.17E-04	5.70E-06	2.51E-05	6.09E-07
3160	437206.54	3724517.47	8.51E-05	2.07E-06	1.74E-05	4.35E-07	9.12E-05	2.05E-06	1.03E-05	2.14E-07
3161	437222.89	3724510.72	8.20E-05	2.00E-06	1.68E-05	4.20E-07	8.78E-05	1.98E-06	9.89E-06	2.06E-07
3162	437239.25	3724503.98	7.88E-05	1.93E-06	1.61E-05	4.06E-07	8.43E-05	1.92E-06	9.50E-06	2.00E-07
3163	437255.6	3724497.23	7.56E-05	1.86E-06	1.55E-05	3.93E-07	8.10E-05	1.85E-06	9.12E-06	1.93E-07
3164	437271.95	3724490.48	7.25E-05	1.80E-06	1.48E-05	3.81E-07	7.76E-05	1.80E-06	8.75E-06	1.87E-07
3165	437288.3	3724483.73	6.95E-05	1.74E-06	1.42E-05	3.69E-07	7.44E-05	1.74E-06	8.39E-06	1.82E-07
3166	437304.65	3724476.98	6.66E-05	1.68E-06	1.36E-05	3.59E-07	7.13E-05	1.69E-06	8.04E-06	1.77E-07
3167	437321	3724470.24	6.38E-05	1.63E-06	1.31E-05	3.49E-07	6.83E-05	1.65E-06	7.71E-06	1.73E-07
3168	437337.36	3724463.49	6.12E-05	1.58E-06	1.25E-05	3.41E-07	6.56E-05	1.61E-06	7.41E-06	1.69E-07
3169	437353.71	3724456.74	5.88E-05	1.54E-06	1.21E-05	3.33E-07	6.30E-05	1.57E-06	7.12E-06	1.66E-07
3170	437370.06	3724449.99	5.66E-05	1.50E-06	1.16E-05	3.27E-07	6.06E-05	1.54E-06	6.86E-06	1.63E-07
3171	437386.41	3724443.25	5.46E-05	1.47E-06	1.12E-05	3.22E-07	5.85E-05	1.52E-06	6.63E-06	1.61E-07
3172	437484.52	3724402.76	4.35E-05	1.28E-06	8.98E-06	2.92E-07	4.67E-05	1.38E-06	5.36E-06	1.49E-07
3173	437500.87	3724396.01	4.21E-05	1.25E-06	8.70E-06	2.88E-07	4.52E-05	1.36E-06	5.20E-06	1.47E-07
3174	437517.23	3724389.26	4.14E-05	1.24E-06	8.57E-06	2.87E-07	4.45E-05	1.36E-06	5.13E-06	1.47E-07
3175	437533.58	3724382.51	4.09E-05	1.24E-06	8.47E-06	2.88E-07	4.39E-05	1.36E-06	5.08E-06	1.47E-07
3176	437549.93	3724375.77	4.10E-05	1.25E-06	8.48E-06	2.91E-07	4.40E-05	1.38E-06	5.10E-06	1.49E-07
3177	437566.28	3724369.02	4.13E-05	1.26E-06	8.55E-06	2.95E-07	4.43E-05	1.40E-06	5.15E-06	1.52E-07
3178	437582.63	3724362.27	4.18E-05	1.29E-06	8.67E-06	3.02E-07	4.49E-05	1.43E-06	5.22E-06	1.55E-07
3179	437599.3	3724361.38	4.30E-05	1.32E-06	8.92E-06	3.11E-07	4.61E-05	1.47E-06	5.38E-06	1.60E-07
3180	437616.27	3724366.35	4.50E-05	1.39E-06	9.35E-06	3.26E-07	4.83E-05	1.54E-06	5.65E-06	1.68E-07
3181	437633.25	3724371.32	4.71E-05	1.45E-06	9.80E-06	3.42E-07	5.06E-05	1.62E-06	5.93E-06	1.76E-07
3182	437650.23	3724376.29	4.96E-05	1.52E-06	1.03E-05	3.59E-07	5.33E-05	1.70E-06	6.25E-06	1.85E-07
3183	437667.2	3724381.26	5.21E-05	1.59E-06	1.09E-05	3.77E-07	5.60E-05	1.78E-06	6.59E-06	1.94E-07
3184	437684.18	3724386.23	5.50E-05	1.67E-06	1.15E-05	3.96E-07	5.91E-05	1.87E-06	6.95E-06	2.04E-07
3185	437769.07	3724411.08	7.25E-05	2.14E-06	1.51E-05	5.05E-07	7.79E-05	2.39E-06	9.20E-06	2.60E-07
3186	437786.04	3724416.05	7.68E-05	2.25E-06	1.60E-05	5.31E-07	8.26E-05	2.51E-06	9.75E-06	2.73E-07
3187	437803.02	3724421.02	8.14E-05	2.37E-06	1.70E-05	5.58E-07	8.76E-05	2.64E-06	1.03E-05	2.87E-07
3188	437820	3724425.99	8.65E-05	2.50E-06	1.80E-05	5.87E-07	9.30E-05	2.78E-06	1.10E-05	3.02E-07

3189	437836.97	3724430.96	9.17E-05	2.64E-06	1.91E-05	6.17E-07	9.87E-05	2.92E-06	1.16E-05	3.17E-07
3190	437853.95	3724435.93	9.71E-05	2.77E-06	2.02E-05	6.47E-07	1.04E-04	3.06E-06	1.23E-05	3.32E-07
3191	437870.93	3724440.9	1.02E-04	2.91E-06	2.13E-05	6.76E-07	1.10E-04	3.20E-06	1.29E-05	3.47E-07
3192	437887.9	3724445.87	1.07E-04	3.04E-06	2.24E-05	7.05E-07	1.16E-04	3.33E-06	1.36E-05	3.61E-07
3193	437904.88	3724450.84	1.13E-04	3.18E-06	2.36E-05	7.36E-07	1.22E-04	3.48E-06	1.43E-05	3.77E-07
3194	437921.86	3724455.81	1.19E-04	3.33E-06	2.48E-05	7.69E-07	1.28E-04	3.63E-06	1.50E-05	3.93E-07
3195	437989.77	3724475.68	1.46E-04	4.00E-06	3.03E-05	9.13E-07	1.57E-04	4.31E-06	1.82E-05	4.64E-07
3196	438006.74	3724480.65	1.53E-04	4.19E-06	3.18E-05	9.54E-07	1.65E-04	4.51E-06	1.92E-05	4.85E-07
3197	438023.72	3724485.62	1.61E-04	4.40E-06	3.35E-05	9.97E-07	1.73E-04	4.71E-06	2.01E-05	5.06E-07
3198	438040.7	3724490.59	1.69E-04	4.59E-06	3.51E-05	1.04E-06	1.82E-04	4.91E-06	2.11E-05	5.27E-07
3199	438057.67	3724495.56	1.77E-04	4.79E-06	3.66E-05	1.08E-06	1.90E-04	5.10E-06	2.20E-05	5.47E-07
3200	438074.65	3724500.53	1.85E-04	4.99E-06	3.83E-05	1.12E-06	1.98E-04	5.30E-06	2.30E-05	5.68E-07
3201	438091.63	3724505.5	1.94E-04	5.21E-06	4.01E-05	1.17E-06	2.08E-04	5.53E-06	2.40E-05	5.91E-07
3202	437196.23	3724480.9	7.78E-05	1.92E-06	1.59E-05	4.05E-07	8.33E-05	1.91E-06	9.39E-06	1.99E-07
3203	437212.59	3724474.15	7.48E-05	1.85E-06	1.53E-05	3.91E-07	8.01E-05	1.85E-06	9.03E-06	1.92E-07
3204	437228.94	3724467.41	7.20E-05	1.79E-06	1.47E-05	3.78E-07	7.71E-05	1.78E-06	8.68E-06	1.86E-07
3205	437245.29	3724460.66	6.91E-05	1.73E-06	1.41E-05	3.66E-07	7.40E-05	1.73E-06	8.34E-06	1.80E-07
3206	437261.64	3724453.91	6.63E-05	1.67E-06	1.36E-05	3.55E-07	7.10E-05	1.67E-06	8.00E-06	1.75E-07
3207	437277.99	3724447.16	6.36E-05	1.61E-06	1.30E-05	3.44E-07	6.81E-05	1.62E-06	7.68E-06	1.70E-07
3208	437294.35	3724440.42	6.10E-05	1.56E-06	1.25E-05	3.35E-07	6.53E-05	1.58E-06	7.37E-06	1.66E-07
3209	437310.7	3724433.67	5.85E-05	1.51E-06	1.20E-05	3.25E-07	6.27E-05	1.54E-06	7.07E-06	1.61E-07
3210	437327.05	3724426.92	5.63E-05	1.47E-06	1.15E-05	3.18E-07	6.02E-05	1.50E-06	6.80E-06	1.58E-07
3211	437343.4	3724420.17	5.41E-05	1.43E-06	1.11E-05	3.11E-07	5.79E-05	1.47E-06	6.55E-06	1.55E-07
3212	437359.75	3724413.42	5.20E-05	1.39E-06	1.07E-05	3.05E-07	5.57E-05	1.44E-06	6.31E-06	1.52E-07
3213	437474.21	3724366.19	4.07E-05	1.20E-06	8.40E-06	2.74E-07	4.37E-05	1.30E-06	5.01E-06	1.40E-07
3214	437490.57	3724359.44	3.91E-05	1.17E-06	8.07E-06	2.68E-07	4.19E-05	1.27E-06	4.82E-06	1.37E-07
3215	437506.92	3724352.69	3.81E-05	1.15E-06	7.88E-06	2.66E-07	4.09E-05	1.26E-06	4.71E-06	1.36E-07
3216	437523.27	3724345.94	3.77E-05	1.15E-06	7.80E-06	2.66E-07	4.05E-05	1.26E-06	4.67E-06	1.36E-07
3217	437539.62	3724339.2	3.76E-05	1.15E-06	7.79E-06	2.69E-07	4.04E-05	1.27E-06	4.67E-06	1.38E-07
3218	437555.97	3724332.45	3.79E-05	1.17E-06	7.84E-06	2.73E-07	4.06E-05	1.29E-06	4.71E-06	1.40E-07
3219	437572.33	3724325.7	3.82E-05	1.18E-06	7.91E-06	2.77E-07	4.10E-05	1.31E-06	4.76E-06	1.42E-07
3220	437597.17	3724321.44	3.94E-05	1.23E-06	8.18E-06	2.88E-07	4.23E-05	1.36E-06	4.93E-06	1.49E-07
3221	437614.14	3724326.41	4.10E-05	1.28E-06	8.52E-06	3.01E-07	4.41E-05	1.42E-06	5.14E-06	1.55E-07
3222	437631.12	3724331.38	4.29E-05	1.33E-06	8.92E-06	3.15E-07	4.61E-05	1.49E-06	5.39E-06	1.62E-07
3223	437648.1	3724336.35	4.50E-05	1.40E-06	9.37E-06	3.30E-07	4.84E-05	1.56E-06	5.67E-06	1.70E-07
3224	437665.07	3724341.32	4.71E-05	1.46E-06	9.81E-06	3.45E-07	5.06E-05	1.63E-06	5.94E-06	1.78E-07
3225	437732.98	3724361.2	5.75E-05	1.75E-06	1.20E-05	4.14E-07	6.18E-05	1.96E-06	7.28E-06	2.14E-07
3226	437749.96	3724366.17	6.06E-05	1.83E-06	1.26E-05	4.33E-07	6.51E-05	2.05E-06	7.67E-06	2.24E-07
3227	437766.94	3724371.14	6.38E-05	1.92E-06	1.33E-05	4.54E-07	6.86E-05	2.15E-06	8.09E-06	2.34E-07
3228	437783.91	3724376.1	6.72E-05	2.01E-06	1.40E-05	4.74E-07	7.23E-05	2.24E-06	8.52E-06	2.45E-07
3229	437800.89	3724381.07	7.09E-05	2.11E-06	1.48E-05	4.96E-07	7.63E-05	2.35E-06	8.99E-06	2.56E-07
3230	437817.87	3724386.04	7.47E-05	2.21E-06	1.56E-05	5.19E-07	8.03E-05	2.46E-06	9.46E-06	2.67E-07
3231	437834.84	3724391.01	7.89E-05	2.31E-06	1.64E-05	5.43E-07	8.48E-05	2.57E-06	9.98E-06	2.80E-07
3232	437851.82	3724395.98	8.32E-05	2.43E-06	1.73E-05	5.69E-07	8.95E-05	2.69E-06	1.05E-05	2.93E-07
3233	437868.8	3724400.95	8.79E-05	2.55E-06	1.83E-05	5.96E-07	9.45E-05	2.82E-06	1.11E-05	3.06E-07
3234	437885.77	3724405.92	9.26E-05	2.67E-06	1.93E-05	6.23E-07	9.95E-05	2.95E-06	1.17E-05	3.20E-07
3235	437902.75	3724410.89	9.75E-05	2.80E-06	2.03E-05	6.51E-07	1.05E-04	3.08E-06	1.23E-05	3.34E-07
3236	437953.68	3724425.8	1.14E-04	3.22E-06	2.37E-05	7.43E-07	1.22E-04	3.51E-06	1.43E-05	3.80E-07
3237	437970.66	3724430.77	1.21E-04	3.39E-06	2.51E-05	7.79E-07	1.30E-04	3.69E-06	1.51E-05	3.98E-07
3238	437987.64	3724435.74	1.28E-04	3.56E-06	2.65E-05	8.17E-07	1.37E-04	3.86E-06	1.60E-05	4.17E-07
3239	438004.61	3724440.71	1.35E-04	3.74E-06	2.80E-05	8.56E-07	1.45E-04	4.05E-06	1.68E-05	4.36E-07
3240	438021.59	3724445.68	1.42E-04	3.92E-06	2.94E-05	8.94E-07	1.52E-04	4.23E-06	1.77E-05	4.55E-07
3241	438038.57	3724450.65	1.49E-04	4.11E-06	3.09E-05	9.34E-07	1.60E-04	4.41E-06	1.86E-05	4.74E-07
3242	438055.54	3724455.62	1.56E-04	4.29E-06	3.23E-05	9.72E-07	1.68E-04	4.60E-06	1.94E-05	4.94E-07
3243	438072.52	3724460.59	1.63E-04	4.47E-06	3.38E-05	1.01E-06	1.75E-04	4.78E-06	2.03E-05	5.13E-07
3244	438089.5	3724465.56	1.71E-04	4.66E-06	3.53E-05	1.05E-06	1.83E-04	4.97E-06	2.12E-05	5.33E-07
3245	438106.47	3724470.53	1.78E-04	4.86E-06	3.69E-05	1.09E-06	1.91E-04	5.17E-06	2.21E-05	5.54E-07

3246	437185.93	3724444.33	7.13E-05	1.78E-06	1.46E-05	3.78E-07	7.64E-05	1.79E-06	8.61E-06	1.86E-07
3247	437202.28	3724437.59	6.87E-05	1.72E-06	1.41E-05	3.66E-07	7.36E-05	1.73E-06	8.29E-06	1.80E-07
3248	437218.63	3724430.84	6.61E-05	1.66E-06	1.35E-05	3.54E-07	7.07E-05	1.67E-06	7.97E-06	1.74E-07
3249	437234.98	3724424.09	6.35E-05	1.61E-06	1.30E-05	3.42E-07	6.80E-05	1.62E-06	7.66E-06	1.69E-07
3250	437251.33	3724417.34	6.10E-05	1.55E-06	1.25E-05	3.32E-07	6.53E-05	1.57E-06	7.35E-06	1.64E-07
3251	437267.69	3724410.59	5.86E-05	1.50E-06	1.20E-05	3.22E-07	6.27E-05	1.52E-06	7.06E-06	1.59E-07
3252	437284.04	3724403.85	5.62E-05	1.46E-06	1.15E-05	3.13E-07	6.02E-05	1.48E-06	6.79E-06	1.55E-07
3253	437300.39	3724397.1	5.40E-05	1.41E-06	1.11E-05	3.05E-07	5.78E-05	1.44E-06	6.52E-06	1.52E-07
3254	437316.74	3724390.35	5.19E-05	1.37E-06	1.06E-05	2.98E-07	5.56E-05	1.41E-06	6.28E-06	1.48E-07
3255	437333.09	3724383.6	4.99E-05	1.33E-06	1.02E-05	2.91E-07	5.35E-05	1.37E-06	6.05E-06	1.45E-07
3256	437480.26	3724322.87	3.61E-05	1.08E-06	7.44E-06	2.48E-07	3.87E-05	1.17E-06	4.44E-06	1.27E-07
3257	437496.61	3724316.12	3.54E-05	1.07E-06	7.31E-06	2.48E-07	3.80E-05	1.17E-06	4.37E-06	1.26E-07
3258	437512.96	3724309.38	3.51E-05	1.07E-06	7.25E-06	2.48E-07	3.76E-05	1.18E-06	4.34E-06	1.27E-07
3259	437529.31	3724302.63	3.49E-05	1.07E-06	7.21E-06	2.50E-07	3.74E-05	1.18E-06	4.32E-06	1.28E-07
3260	437545.67	3724295.88	3.50E-05	1.08E-06	7.24E-06	2.53E-07	3.75E-05	1.20E-06	4.34E-06	1.30E-07
3261	437562.02	3724289.13	3.52E-05	1.09E-06	7.28E-06	2.56E-07	3.78E-05	1.21E-06	4.38E-06	1.32E-07
3262	437578.37	3724282.38	3.55E-05	1.11E-06	7.37E-06	2.61E-07	3.82E-05	1.23E-06	4.43E-06	1.34E-07
3263	437595.03	3724281.49	3.64E-05	1.14E-06	7.55E-06	2.68E-07	3.91E-05	1.27E-06	4.55E-06	1.38E-07
3264	437612.01	3724286.46	3.79E-05	1.19E-06	7.85E-06	2.80E-07	4.06E-05	1.32E-06	4.74E-06	1.44E-07
3265	437628.99	3724291.43	3.94E-05	1.23E-06	8.18E-06	2.91E-07	4.23E-05	1.38E-06	4.94E-06	1.50E-07
3266	437713.87	3724316.28	4.91E-05	1.52E-06	1.02E-05	3.60E-07	5.27E-05	1.70E-06	6.20E-06	1.86E-07
3267	437730.85	3724321.25	5.14E-05	1.58E-06	1.07E-05	3.76E-07	5.52E-05	1.78E-06	6.49E-06	1.94E-07
3268	437747.83	3724326.22	5.39E-05	1.65E-06	1.12E-05	3.91E-07	5.79E-05	1.85E-06	6.81E-06	2.02E-07
3269	437764.8	3724331.19	5.65E-05	1.73E-06	1.18E-05	4.09E-07	6.07E-05	1.93E-06	7.15E-06	2.11E-07
3270	437781.78	3724336.16	5.92E-05	1.80E-06	1.23E-05	4.26E-07	6.37E-05	2.02E-06	7.50E-06	2.20E-07
3271	437798.76	3724341.13	6.23E-05	1.88E-06	1.30E-05	4.44E-07	6.69E-05	2.10E-06	7.88E-06	2.29E-07
3272	437815.73	3724346.1	6.54E-05	1.97E-06	1.36E-05	4.64E-07	7.03E-05	2.20E-06	8.27E-06	2.39E-07
3273	437832.71	3724351.07	6.88E-05	2.06E-06	1.43E-05	4.84E-07	7.39E-05	2.29E-06	8.70E-06	2.50E-07
3274	437849.69	3724356.04	7.24E-05	2.15E-06	1.51E-05	5.07E-07	7.78E-05	2.40E-06	9.15E-06	2.61E-07
3275	437866.67	3724361.01	7.64E-05	2.26E-06	1.59E-05	5.30E-07	8.21E-05	2.51E-06	9.65E-06	2.73E-07
3276	437883.64	3724365.98	8.06E-05	2.37E-06	1.68E-05	5.54E-07	8.66E-05	2.62E-06	1.02E-05	2.85E-07
3277	437934.57	3724380.89	9.47E-05	2.74E-06	1.97E-05	6.36E-07	1.02E-04	3.01E-06	1.19E-05	3.26E-07
3278	437951.55	3724385.86	9.99E-05	2.87E-06	2.08E-05	6.66E-07	1.07E-04	3.15E-06	1.26E-05	3.41E-07
3279	437968.53	3724390.83	1.06E-04	3.03E-06	2.20E-05	7.00E-07	1.14E-04	3.31E-06	1.33E-05	3.58E-07
3280	437985.5	3724395.8	1.12E-04	3.19E-06	2.33E-05	7.35E-07	1.21E-04	3.48E-06	1.41E-05	3.76E-07
3281	438002.48	3724400.77	1.19E-04	3.35E-06	2.46E-05	7.71E-07	1.27E-04	3.64E-06	1.48E-05	3.93E-07
3282	438019.46	3724405.74	1.25E-04	3.52E-06	2.60E-05	8.06E-07	1.34E-04	3.81E-06	1.56E-05	4.11E-07
3283	438036.44	3724410.71	1.32E-04	3.69E-06	2.73E-05	8.43E-07	1.41E-04	3.98E-06	1.64E-05	4.29E-07
3284	438053.41	3724415.68	1.38E-04	3.85E-06	2.86E-05	8.78E-07	1.48E-04	4.15E-06	1.72E-05	4.47E-07
3285	438070.39	3724420.65	1.44E-04	4.01E-06	2.99E-05	9.13E-07	1.55E-04	4.32E-06	1.80E-05	4.64E-07
3286	438087.37	3724425.62	1.51E-04	4.18E-06	3.13E-05	9.50E-07	1.62E-04	4.49E-06	1.88E-05	4.82E-07
3287	438104.34	3724430.59	1.58E-04	4.36E-06	3.27E-05	9.87E-07	1.69E-04	4.67E-06	1.96E-05	5.01E-07
3288	438121.32	3724435.56	1.65E-04	4.54E-06	3.41E-05	1.03E-06	1.77E-04	4.85E-06	2.04E-05	5.20E-07
3289	437159.27	3724414.51	6.82E-05	1.72E-06	1.40E-05	3.67E-07	7.30E-05	1.73E-06	8.23E-06	1.81E-07
3290	437175.62	3724407.76	6.58E-05	1.66E-06	1.35E-05	3.54E-07	7.04E-05	1.67E-06	7.93E-06	1.75E-07
3291	437191.97	3724401.02	6.33E-05	1.61E-06	1.30E-05	3.42E-07	6.78E-05	1.62E-06	7.64E-06	1.69E-07
3292	437208.32	3724394.27	6.09E-05	1.55E-06	1.25E-05	3.31E-07	6.52E-05	1.56E-06	7.35E-06	1.64E-07
3293	437224.68	3724387.52	5.86E-05	1.50E-06	1.20E-05	3.21E-07	6.27E-05	1.51E-06	7.07E-06	1.59E-07
3294	437241.03	3724380.77	5.63E-05	1.45E-06	1.15E-05	3.11E-07	6.03E-05	1.47E-06	6.79E-06	1.54E-07
3295	437257.38	3724374.02	5.41E-05	1.41E-06	1.11E-05	3.02E-07	5.79E-05	1.43E-06	6.53E-06	1.50E-07
3296	437273.73	3724367.28	5.21E-05	1.36E-06	1.07E-05	2.94E-07	5.57E-05	1.39E-06	6.29E-06	1.46E-07
3297	437290.08	3724360.53	5.01E-05	1.32E-06	1.03E-05	2.87E-07	5.36E-05	1.36E-06	6.05E-06	1.43E-07
3298	437306.43	3724353.78	4.82E-05	1.29E-06	9.87E-06	2.80E-07	5.16E-05	1.32E-06	5.83E-06	1.40E-07
3299	437486.3	3724279.55	3.34E-05	1.01E-06	6.89E-06	2.34E-07	3.58E-05	1.11E-06	4.11E-06	1.19E-07
3300	437502.66	3724272.81	3.28E-05	1.01E-06	6.77E-06	2.33E-07	3.52E-05	1.10E-06	4.05E-06	1.19E-07
3301	437519.01	3724266.06	3.27E-05	1.01E-06	6.75E-06	2.34E-07	3.50E-05	1.11E-06	4.04E-06	1.20E-07
3302	437535.36	3724259.31	3.26E-05	1.01E-06	6.73E-06	2.36E-07	3.49E-05	1.12E-06	4.04E-06	1.21E-07

3303	437551.71	3724252.56	3.28E-05	1.02E-06	6.78E-06	2.39E-07	3.52E-05	1.13E-06	4.07E-06	1.23E-07
3304	437568.06	3724245.81	3.30E-05	1.04E-06	6.83E-06	2.43E-07	3.54E-05	1.15E-06	4.11E-06	1.25E-07
3305	437592.9	3724241.55	3.38E-05	1.07E-06	7.01E-06	2.51E-07	3.63E-05	1.19E-06	4.22E-06	1.29E-07
3306	437609.88	3724246.52	3.50E-05	1.10E-06	7.26E-06	2.61E-07	3.76E-05	1.23E-06	4.37E-06	1.34E-07
3307	437745.7	3724286.28	4.84E-05	1.50E-06	1.01E-05	3.57E-07	5.20E-05	1.69E-06	6.11E-06	1.84E-07
3308	437762.67	3724291.25	5.06E-05	1.57E-06	1.05E-05	3.71E-07	5.44E-05	1.76E-06	6.40E-06	1.92E-07
3309	437779.65	3724296.22	5.29E-05	1.63E-06	1.10E-05	3.86E-07	5.69E-05	1.83E-06	6.69E-06	2.00E-07
3310	437796.63	3724301.19	5.53E-05	1.70E-06	1.15E-05	4.02E-07	5.95E-05	1.90E-06	6.99E-06	2.07E-07
3311	437813.6	3724306.16	5.79E-05	1.77E-06	1.21E-05	4.18E-07	6.23E-05	1.98E-06	7.32E-06	2.16E-07
3312	437830.58	3724311.13	6.07E-05	1.84E-06	1.27E-05	4.36E-07	6.53E-05	2.06E-06	7.67E-06	2.25E-07
3313	437847.56	3724316.1	6.40E-05	1.93E-06	1.33E-05	4.56E-07	6.88E-05	2.16E-06	8.08E-06	2.35E-07
3314	437864.53	3724321.07	6.74E-05	2.03E-06	1.40E-05	4.77E-07	7.25E-05	2.26E-06	8.51E-06	2.46E-07
3315	437898.49	3724331.01	7.52E-05	2.23E-06	1.56E-05	5.24E-07	8.08E-05	2.48E-06	9.48E-06	2.69E-07
3316	437915.47	3724335.98	7.96E-05	2.35E-06	1.66E-05	5.49E-07	8.55E-05	2.60E-06	1.00E-05	2.82E-07
3317	437932.44	3724340.95	8.41E-05	2.47E-06	1.75E-05	5.76E-07	9.04E-05	2.72E-06	1.06E-05	2.96E-07
3318	437949.42	3724345.92	8.88E-05	2.59E-06	1.85E-05	6.03E-07	9.54E-05	2.85E-06	1.12E-05	3.09E-07
3319	437966.4	3724350.89	9.41E-05	2.73E-06	1.95E-05	6.33E-07	1.01E-04	3.00E-06	1.18E-05	3.24E-07
3320	437983.37	3724355.86	9.95E-05	2.87E-06	2.07E-05	6.64E-07	1.07E-04	3.14E-06	1.25E-05	3.40E-07
3321	438000.35	3724360.82	1.05E-04	3.01E-06	2.18E-05	6.96E-07	1.13E-04	3.29E-06	1.31E-05	3.56E-07
3322	438017.33	3724365.79	1.11E-04	3.16E-06	2.30E-05	7.29E-07	1.19E-04	3.44E-06	1.39E-05	3.72E-07
3323	438034.3	3724370.76	1.17E-04	3.32E-06	2.42E-05	7.62E-07	1.25E-04	3.60E-06	1.46E-05	3.89E-07
3324	438051.28	3724375.73	1.23E-04	3.47E-06	2.54E-05	7.96E-07	1.32E-04	3.76E-06	1.53E-05	4.05E-07
3325	438068.26	3724380.7	1.29E-04	3.62E-06	2.66E-05	8.28E-07	1.38E-04	3.92E-06	1.60E-05	4.22E-07
3326	438085.23	3724385.67	1.35E-04	3.78E-06	2.79E-05	8.62E-07	1.44E-04	4.07E-06	1.67E-05	4.38E-07
3327	438102.21	3724390.64	1.40E-04	3.93E-06	2.91E-05	8.95E-07	1.51E-04	4.23E-06	1.74E-05	4.55E-07
3328	438119.19	3724395.61	1.47E-04	4.09E-06	3.03E-05	9.29E-07	1.57E-04	4.39E-06	1.82E-05	4.72E-07
3329	438136.17	3724400.58	1.53E-04	4.26E-06	3.16E-05	9.65E-07	1.64E-04	4.56E-06	1.89E-05	4.89E-07
3330	438153.14	3724405.55	1.59E-04	4.43E-06	3.29E-05	1.00E-06	1.71E-04	4.73E-06	1.97E-05	5.07E-07
3331	437132.61	3724384.69	6.53E-05	1.67E-06	1.34E-05	3.56E-07	6.99E-05	1.68E-06	7.88E-06	1.76E-07
3332	437148.96	3724377.94	6.31E-05	1.61E-06	1.29E-05	3.44E-07	6.76E-05	1.63E-06	7.62E-06	1.70E-07
3333	437165.31	3724371.2	6.09E-05	1.56E-06	1.25E-05	3.33E-07	6.52E-05	1.57E-06	7.35E-06	1.65E-07
3334	437181.67	3724364.45	5.86E-05	1.50E-06	1.20E-05	3.22E-07	6.28E-05	1.52E-06	7.07E-06	1.59E-07
3335	437198.02	3724357.7	5.65E-05	1.45E-06	1.16E-05	3.12E-07	6.05E-05	1.47E-06	6.81E-06	1.54E-07
3336	437214.37	3724350.95	5.43E-05	1.41E-06	1.11E-05	3.02E-07	5.82E-05	1.43E-06	6.55E-06	1.50E-07
3337	437230.72	3724344.2	5.22E-05	1.36E-06	1.07E-05	2.93E-07	5.59E-05	1.38E-06	6.30E-06	1.45E-07
3338	437247.07	3724337.46	5.03E-05	1.32E-06	1.03E-05	2.85E-07	5.38E-05	1.34E-06	6.07E-06	1.42E-07
3339	437263.42	3724330.71	4.84E-05	1.28E-06	9.91E-06	2.78E-07	5.18E-05	1.31E-06	5.85E-06	1.38E-07
3340	437279.78	3724323.96	4.66E-05	1.24E-06	9.54E-06	2.71E-07	4.99E-05	1.28E-06	5.63E-06	1.35E-07
3341	437476	3724242.98	3.18E-05	9.68E-07	6.55E-06	2.23E-07	3.41E-05	1.05E-06	3.91E-06	1.14E-07
3342	437492.35	3724236.24	3.10E-05	9.53E-07	6.40E-06	2.20E-07	3.32E-05	1.04E-06	3.82E-06	1.13E-07
3343	437508.7	3724229.49	3.06E-05	9.49E-07	6.32E-06	2.20E-07	3.28E-05	1.04E-06	3.78E-06	1.13E-07
3344	437525.05	3724222.74	3.05E-05	9.51E-07	6.30E-06	2.22E-07	3.27E-05	1.05E-06	3.78E-06	1.14E-07
3345	437541.4	3724215.99	3.05E-05	9.57E-07	6.31E-06	2.24E-07	3.28E-05	1.06E-06	3.79E-06	1.15E-07
3346	437557.76	3724209.25	3.07E-05	9.66E-07	6.35E-06	2.26E-07	3.29E-05	1.07E-06	3.81E-06	1.16E-07
3347	437574.11	3724202.5	3.09E-05	9.77E-07	6.40E-06	2.30E-07	3.32E-05	1.09E-06	3.84E-06	1.18E-07
3348	437590.77	3724201.61	3.15E-05	9.99E-07	6.52E-06	2.35E-07	3.38E-05	1.11E-06	3.92E-06	1.21E-07
3349	437692.63	3724231.43	3.86E-05	1.22E-06	8.03E-06	2.90E-07	4.15E-05	1.37E-06	4.86E-06	1.50E-07
3350	437709.61	3724236.4	4.03E-05	1.27E-06	8.37E-06	3.02E-07	4.32E-05	1.43E-06	5.07E-06	1.56E-07
3351	437726.59	3724241.37	4.19E-05	1.32E-06	8.71E-06	3.13E-07	4.50E-05	1.48E-06	5.28E-06	1.62E-07
3352	437743.56	3724246.34	4.37E-05	1.37E-06	9.09E-06	3.25E-07	4.69E-05	1.54E-06	5.50E-06	1.68E-07
3353	437845.43	3724276.15	5.72E-05	1.75E-06	1.19E-05	4.14E-07	6.15E-05	1.96E-06	7.22E-06	2.14E-07
3354	437862.4	3724281.12	6.02E-05	1.83E-06	1.25E-05	4.33E-07	6.47E-05	2.05E-06	7.60E-06	2.23E-07
3355	437879.38	3724286.09	6.36E-05	1.93E-06	1.32E-05	4.54E-07	6.84E-05	2.15E-06	8.02E-06	2.34E-07
3356	437930.31	3724301	7.54E-05	2.24E-06	1.57E-05	5.25E-07	8.10E-05	2.48E-06	9.49E-06	2.70E-07
3357	437947.29	3724305.97	7.98E-05	2.36E-06	1.66E-05	5.51E-07	8.58E-05	2.61E-06	1.00E-05	2.83E-07
3358	437964.27	3724310.94	8.44E-05	2.48E-06	1.75E-05	5.78E-07	9.07E-05	2.73E-06	1.06E-05	2.97E-07
3359	437981.24	3724315.91	8.92E-05	2.61E-06	1.85E-05	6.06E-07	9.58E-05	2.87E-06	1.12E-05	3.11E-07

3360	437998.22	3724320.88	9.40E-05	2.73E-06	1.95E-05	6.34E-07	1.01E-04	3.00E-06	1.18E-05	3.24E-07
3361	438015.2	3724325.85	9.89E-05	2.86E-06	2.05E-05	6.62E-07	1.06E-04	3.13E-06	1.24E-05	3.39E-07
3362	438032.17	3724330.82	1.04E-04	3.00E-06	2.16E-05	6.93E-07	1.12E-04	3.28E-06	1.30E-05	3.54E-07
3363	438049.15	3724335.79	1.10E-04	3.14E-06	2.27E-05	7.23E-07	1.18E-04	3.42E-06	1.37E-05	3.69E-07
3364	438066.13	3724340.76	1.15E-04	3.29E-06	2.39E-05	7.55E-07	1.24E-04	3.57E-06	1.44E-05	3.85E-07
3365	438083.1	3724345.73	1.21E-04	3.43E-06	2.50E-05	7.86E-07	1.29E-04	3.71E-06	1.50E-05	4.00E-07
3366	438100.08	3724350.7	1.26E-04	3.57E-06	2.61E-05	8.16E-07	1.35E-04	3.86E-06	1.57E-05	4.16E-07
3367	438117.06	3724355.67	1.32E-04	3.72E-06	2.72E-05	8.48E-07	1.41E-04	4.01E-06	1.63E-05	4.32E-07
3368	438134.03	3724360.64	1.37E-04	3.87E-06	2.84E-05	8.81E-07	1.47E-04	4.16E-06	1.70E-05	4.48E-07
3369	438151.01	3724365.61	1.43E-04	4.02E-06	2.96E-05	9.13E-07	1.53E-04	4.31E-06	1.77E-05	4.64E-07
3370	438167.99	3724370.58	1.48E-04	4.17E-06	3.07E-05	9.45E-07	1.59E-04	4.46E-06	1.84E-05	4.79E-07
3371	437122.3	3724348.12	6.06E-05	1.56E-06	1.24E-05	3.35E-07	6.49E-05	1.58E-06	7.31E-06	1.66E-07
3372	437138.65	3724341.37	5.85E-05	1.51E-06	1.20E-05	3.24E-07	6.27E-05	1.53E-06	7.06E-06	1.61E-07
3373	437155.01	3724334.63	5.65E-05	1.46E-06	1.16E-05	3.13E-07	6.05E-05	1.48E-06	6.81E-06	1.55E-07
3374	437171.36	3724327.88	5.44E-05	1.41E-06	1.11E-05	3.03E-07	5.83E-05	1.43E-06	6.57E-06	1.50E-07
3375	437187.71	3724321.13	5.25E-05	1.37E-06	1.07E-05	2.94E-07	5.62E-05	1.39E-06	6.33E-06	1.46E-07
3376	437204.06	3724314.38	5.05E-05	1.32E-06	1.03E-05	2.85E-07	5.41E-05	1.35E-06	6.10E-06	1.42E-07
3377	437220.41	3724307.63	4.87E-05	1.28E-06	9.96E-06	2.77E-07	5.21E-05	1.31E-06	5.87E-06	1.38E-07
3378	437236.77	3724300.89	4.69E-05	1.24E-06	9.60E-06	2.69E-07	5.02E-05	1.27E-06	5.66E-06	1.34E-07
3379	437253.12	3724294.14	4.52E-05	1.21E-06	9.25E-06	2.62E-07	4.84E-05	1.24E-06	5.46E-06	1.31E-07
3380	437449.34	3724213.16	3.04E-05	9.23E-07	6.27E-06	2.12E-07	3.26E-05	1.00E-06	3.74E-06	1.08E-07
3381	437465.69	3724206.42	2.96E-05	9.05E-07	6.10E-06	2.08E-07	3.17E-05	9.85E-07	3.64E-06	1.06E-07
3382	437482.04	3724199.67	2.91E-05	8.96E-07	5.99E-06	2.07E-07	3.11E-05	9.81E-07	3.58E-06	1.06E-07
3383	437498.39	3724192.92	2.87E-05	8.90E-07	5.91E-06	2.07E-07	3.07E-05	9.77E-07	3.54E-06	1.06E-07
3384	437514.75	3724186.17	2.86E-05	8.93E-07	5.90E-06	2.08E-07	3.06E-05	9.84E-07	3.53E-06	1.07E-07
3385	437531.1	3724179.42	2.85E-05	8.99E-07	5.90E-06	2.10E-07	3.06E-05	9.93E-07	3.53E-06	1.08E-07
3386	437547.45	3724172.68	2.87E-05	9.07E-07	5.93E-06	2.12E-07	3.08E-05	1.00E-06	3.56E-06	1.09E-07
3387	437563.8	3724165.93	2.89E-05	9.17E-07	5.97E-06	2.15E-07	3.10E-05	1.02E-06	3.58E-06	1.11E-07
3388	437588.64	3724161.67	2.95E-05	9.42E-07	6.12E-06	2.22E-07	3.17E-05	1.05E-06	3.67E-06	1.14E-07
3389	437673.53	3724186.51	3.43E-05	1.10E-06	7.13E-06	2.60E-07	3.69E-05	1.23E-06	4.30E-06	1.34E-07
3390	437690.5	3724191.48	3.56E-05	1.13E-06	7.39E-06	2.69E-07	3.82E-05	1.27E-06	4.46E-06	1.39E-07
3391	437707.48	3724196.45	3.68E-05	1.17E-06	7.65E-06	2.79E-07	3.95E-05	1.32E-06	4.63E-06	1.44E-07
3392	437724.46	3724201.42	3.82E-05	1.21E-06	7.95E-06	2.89E-07	4.11E-05	1.37E-06	4.81E-06	1.49E-07
3393	437741.43	3724206.39	3.98E-05	1.26E-06	8.28E-06	3.00E-07	4.27E-05	1.42E-06	5.01E-06	1.55E-07
3394	437758.41	3724211.36	4.14E-05	1.31E-06	8.62E-06	3.11E-07	4.45E-05	1.47E-06	5.22E-06	1.61E-07
3395	437775.39	3724216.33	4.32E-05	1.36E-06	8.98E-06	3.23E-07	4.64E-05	1.53E-06	5.44E-06	1.67E-07
3396	437792.36	3724221.3	4.49E-05	1.41E-06	9.35E-06	3.35E-07	4.82E-05	1.59E-06	5.66E-06	1.73E-07
3397	437809.34	3724226.27	4.69E-05	1.47E-06	9.77E-06	3.48E-07	5.04E-05	1.65E-06	5.92E-06	1.80E-07
3398	437826.32	3724231.24	4.90E-05	1.53E-06	1.02E-05	3.62E-07	5.27E-05	1.71E-06	6.18E-06	1.87E-07
3399	437843.3	3724236.21	5.16E-05	1.60E-06	1.07E-05	3.79E-07	5.55E-05	1.79E-06	6.51E-06	1.96E-07
3400	437860.27	3724241.18	5.44E-05	1.68E-06	1.13E-05	3.97E-07	5.85E-05	1.88E-06	6.86E-06	2.05E-07
3401	437877.25	3724246.15	5.75E-05	1.76E-06	1.20E-05	4.16E-07	6.18E-05	1.97E-06	7.24E-06	2.15E-07
3402	437894.23	3724251.12	6.08E-05	1.85E-06	1.26E-05	4.37E-07	6.53E-05	2.07E-06	7.66E-06	2.25E-07
3403	437911.2	3724256.09	6.43E-05	1.95E-06	1.34E-05	4.59E-07	6.91E-05	2.17E-06	8.10E-06	2.36E-07
3404	437928.18	3724261.06	6.80E-05	2.05E-06	1.42E-05	4.81E-07	7.31E-05	2.28E-06	8.56E-06	2.48E-07
3405	437962.13	3724271	7.62E-05	2.27E-06	1.58E-05	5.30E-07	8.18E-05	2.51E-06	9.56E-06	2.72E-07
3406	437979.11	3724275.97	8.05E-05	2.38E-06	1.67E-05	5.56E-07	8.64E-05	2.63E-06	1.01E-05	2.85E-07
3407	437996.09	3724280.94	8.47E-05	2.50E-06	1.76E-05	5.81E-07	9.10E-05	2.75E-06	1.06E-05	2.98E-07
3408	438013.06	3724285.91	8.92E-05	2.61E-06	1.85E-05	6.07E-07	9.58E-05	2.87E-06	1.12E-05	3.11E-07
3409	438030.04	3724290.88	9.38E-05	2.74E-06	1.95E-05	6.34E-07	1.01E-04	3.00E-06	1.17E-05	3.24E-07
3410	438047.02	3724295.85	9.87E-05	2.87E-06	2.05E-05	6.62E-07	1.06E-04	3.13E-06	1.23E-05	3.38E-07
3411	438064	3724300.82	1.04E-04	3.00E-06	2.15E-05	6.92E-07	1.11E-04	3.27E-06	1.29E-05	3.53E-07
3412	438080.97	3724305.79	1.09E-04	3.14E-06	2.26E-05	7.22E-07	1.17E-04	3.41E-06	1.36E-05	3.68E-07
3413	438097.95	3724310.76	1.14E-04	3.28E-06	2.37E-05	7.52E-07	1.23E-04	3.55E-06	1.42E-05	3.83E-07
3414	438114.93	3724315.73	1.19E-04	3.40E-06	2.46E-05	7.79E-07	1.28E-04	3.68E-06	1.48E-05	3.97E-07
3415	438199.81	3724340.58	1.41E-04	3.98E-06	2.90E-05	9.04E-07	1.51E-04	4.27E-06	1.74E-05	4.59E-07
3416	436933.68	3724549.6	1.01E-04	2.81E-06	2.09E-05	6.26E-07	1.09E-04	2.96E-06	1.24E-05	3.15E-07

3417	436926.33	3724556.23	1.02E-04	2.85E-06	2.11E-05	6.37E-07	1.10E-04	3.01E-06	1.25E-05	3.22E-07
3418	436918.99	3724562.85	1.03E-04	2.89E-06	2.13E-05	6.49E-07	1.11E-04	3.07E-06	1.27E-05	3.28E-07
3419	436921.57	3724506.65	9.41E-05	2.60E-06	1.94E-05	5.80E-07	1.01E-04	2.74E-06	1.15E-05	2.92E-07
3420	436914.23	3724513.28	9.50E-05	2.65E-06	1.95E-05	5.91E-07	1.02E-04	2.79E-06	1.16E-05	2.98E-07
3421	436906.88	3724519.9	9.59E-05	2.69E-06	1.97E-05	6.02E-07	1.03E-04	2.85E-06	1.17E-05	3.04E-07
3422	436899.54	3724526.53	9.67E-05	2.73E-06	1.99E-05	6.13E-07	1.04E-04	2.90E-06	1.18E-05	3.10E-07
3423	436892.19	3724533.15	9.74E-05	2.76E-06	2.00E-05	6.22E-07	1.04E-04	2.94E-06	1.19E-05	3.14E-07
3424	436894.78	3724476.95	8.90E-05	2.49E-06	1.83E-05	5.57E-07	9.54E-05	2.63E-06	1.09E-05	2.81E-07
3425	436887.43	3724483.58	8.99E-05	2.53E-06	1.85E-05	5.66E-07	9.64E-05	2.68E-06	1.10E-05	2.86E-07
3426	436880.09	3724490.2	9.08E-05	2.57E-06	1.87E-05	5.77E-07	9.73E-05	2.72E-06	1.11E-05	2.91E-07
3427	436872.74	3724496.83	9.16E-05	2.61E-06	1.88E-05	5.87E-07	9.81E-05	2.77E-06	1.12E-05	2.97E-07
3428	436865.4	3724503.45	9.21E-05	2.64E-06	1.90E-05	5.96E-07	9.88E-05	2.82E-06	1.13E-05	3.02E-07

	Row	18	T2	T2L3	T3	T4
		Col	3	4	5	6
		Adjustment	100%	21%	107%	12%
			Year 1	Year 1	Year 1	Year 1
1	437235.4	3725541	4.47E-03	9.59E-04	4.82E-03	6.11E-04
2	437200.4	3725547	3.40E-03	7.25E-04	3.66E-03	4.58E-04
3	437206.7	3725554	3.52E-03	7.53E-04	3.80E-03	4.76E-04
4	437213	3725561	3.65E-03	7.80E-04	3.93E-03	4.94E-04
5	437174.9	3725558	2.86E-03	6.08E-04	3.08E-03	3.82E-04
6	437171.8	3725549	2.82E-03	6.01E-04	3.04E-03	3.78E-04
7	437149.6	3725569	2.43E-03	5.16E-04	2.62E-03	3.23E-04
8	437146.5	3725560	2.41E-03	5.11E-04	2.59E-03	3.20E-04
9	437143.4	3725552	2.38E-03	5.05E-04	2.56E-03	3.16E-04
10	437155.7	3725587	2.47E-03	5.24E-04	2.66E-03	3.28E-04
11	437162.1	3725594	2.54E-03	5.40E-04	2.74E-03	3.39E-04
12	437168.4	3725601	2.62E-03	5.57E-04	2.82E-03	3.50E-04
13	437130.3	3725598	2.12E-03	4.48E-04	2.28E-03	2.80E-04
14	437120.9	3725571	2.07E-03	4.38E-04	2.23E-03	2.73E-04
15	437117.8	3725562	2.05E-03	4.34E-04	2.21E-03	2.71E-04
16	437114.7	3725554	2.03E-03	4.30E-04	2.19E-03	2.68E-04
17	437133.4	3725607	2.13E-03	4.51E-04	2.29E-03	2.82E-04
18	437139.7	3725614	2.19E-03	4.63E-04	2.35E-03	2.89E-04
19	437146.1	3725621	2.24E-03	4.76E-04	2.42E-03	2.97E-04
20	437108	3725618	1.87E-03	3.95E-04	2.01E-03	2.46E-04
21	437104.9	3725609	1.86E-03	3.92E-04	2.00E-03	2.44E-04
22	437101.8	3725601	1.84E-03	3.90E-04	1.98E-03	2.42E-04
23	437092.6	3725574	1.80E-03	3.80E-04	1.94E-03	2.36E-04
24	437089.5	3725566	1.79E-03	3.77E-04	1.92E-03	2.34E-04
25	437086.4	3725557	1.77E-03	3.75E-04	1.91E-03	2.33E-04
26	437085.7	3725638	1.67E-03	3.52E-04	1.80E-03	2.18E-04
27	437082.5	3725629	1.66E-03	3.50E-04	1.78E-03	2.17E-04
28	437079.4	3725620	1.65E-03	3.48E-04	1.77E-03	2.16E-04
29	437076.3	3725611	1.64E-03	3.45E-04	1.76E-03	2.14E-04
30	437073.2	3725603	1.63E-03	3.43E-04	1.75E-03	2.13E-04
31	437063.8	3725576	1.59E-03	3.36E-04	1.72E-03	2.08E-04
32	437060.7	3725567	1.59E-03	3.34E-04	1.71E-03	2.07E-04
33	437057.6	3725559	1.58E-03	3.32E-04	1.69E-03	2.06E-04
34	437101.4	3725661	1.75E-03	3.70E-04	1.88E-03	2.30E-04
35	437055.9	3725665	1.45E-03	3.05E-04	1.56E-03	1.89E-04
36	437052.7	3725656	1.45E-03	3.04E-04	1.55E-03	1.88E-04
37	437043.3	3725629	1.42E-03	3.00E-04	1.53E-03	1.85E-04
38	437040.2	3725620	1.41E-03	2.98E-04	1.52E-03	1.84E-04
39	437037.1	3725611	1.41E-03	2.96E-04	1.51E-03	1.83E-04
40	437034	3725603	1.40E-03	2.94E-04	1.50E-03	1.82E-04
41	437024.6	3725576	1.37E-03	2.88E-04	1.47E-03	1.78E-04
42	437021.4	3725567	1.36E-03	2.86E-04	1.46E-03	1.77E-04
43	437059	3725673	1.45E-03	3.06E-04	1.56E-03	1.89E-04
44	437026.1	3725691	1.28E-03	2.69E-04	1.37E-03	1.66E-04
45	437023	3725682	1.27E-03	2.67E-04	1.37E-03	1.65E-04
46	437019.8	3725673	1.27E-03	2.66E-04	1.36E-03	1.64E-04
47	437016.7	3725665	1.26E-03	2.65E-04	1.36E-03	1.64E-04

48	437013.5	3725656	1.26E-03	2.64E-04	1.35E-03	1.63E-04
49	437004.1	3725629	1.24E-03	2.60E-04	1.33E-03	1.60E-04
50	437000.9	3725620	1.23E-03	2.58E-04	1.32E-03	1.59E-04
51	436997.8	3725611	1.22E-03	2.57E-04	1.31E-03	1.58E-04
52	436994.6	3725602	1.21E-03	2.55E-04	1.31E-03	1.57E-04
53	436991.5	3725593	1.21E-03	2.54E-04	1.30E-03	1.56E-04
54	436988.3	3725584	1.20E-03	2.52E-04	1.29E-03	1.55E-04
55	436985.2	3725575	1.19E-03	2.50E-04	1.28E-03	1.54E-04
56	436982	3725567	1.18E-03	2.49E-04	1.27E-03	1.53E-04
57	437029.2	3725700	1.28E-03	2.70E-04	1.38E-03	1.67E-04
58	437035.6	3725707	1.30E-03	2.74E-04	1.40E-03	1.69E-04
59	437041.9	3725714	1.32E-03	2.78E-04	1.42E-03	1.72E-04
60	436993.3	3725709	1.15E-03	2.42E-04	1.24E-03	1.49E-04
61	436990.2	3725701	1.15E-03	2.41E-04	1.23E-03	1.48E-04
62	436987.1	3725692	1.14E-03	2.40E-04	1.23E-03	1.48E-04
63	436984	3725683	1.14E-03	2.39E-04	1.22E-03	1.47E-04
64	436980.8	3725674	1.13E-03	2.38E-04	1.22E-03	1.46E-04
65	436977.7	3725665	1.13E-03	2.36E-04	1.21E-03	1.45E-04
66	436974.6	3725657	1.12E-03	2.35E-04	1.21E-03	1.45E-04
67	436971.5	3725648	1.11E-03	2.34E-04	1.20E-03	1.44E-04
68	436962.2	3725621	1.09E-03	2.28E-04	1.17E-03	1.40E-04
69	436959.1	3725613	1.08E-03	2.27E-04	1.16E-03	1.40E-04
70	436956	3725604	1.08E-03	2.26E-04	1.16E-03	1.39E-04
71	436952.9	3725595	1.07E-03	2.24E-04	1.15E-03	1.38E-04
72	436949.8	3725586	1.06E-03	2.22E-04	1.14E-03	1.36E-04
73	436946.7	3725577	1.05E-03	2.20E-04	1.13E-03	1.35E-04
74	436943.6	3725569	1.04E-03	2.19E-04	1.12E-03	1.34E-04
75	437004.8	3724812	8.41E-04	1.74E-04	9.02E-04	1.04E-04
76	437008.8	3724804	8.31E-04	1.72E-04	8.91E-04	1.03E-04
77	437012.8	3724796	8.22E-04	1.70E-04	8.81E-04	1.01E-04
78	437016.9	3724787	8.14E-04	1.68E-04	8.73E-04	1.00E-04
79	436954.1	3725709	1.04E-03	2.18E-04	1.12E-03	1.34E-04
80	436951	3725701	1.04E-03	2.17E-04	1.11E-03	1.33E-04
81	436947.9	3725692	1.03E-03	2.16E-04	1.11E-03	1.33E-04
82	436944.8	3725683	1.03E-03	2.16E-04	1.11E-03	1.32E-04
83	436941.6	3725674	1.02E-03	2.14E-04	1.10E-03	1.31E-04
84	436938.5	3725665	1.01E-03	2.13E-04	1.09E-03	1.30E-04
85	436935.4	3725656	1.01E-03	2.11E-04	1.08E-03	1.29E-04
86	436932.3	3725648	9.95E-04	2.08E-04	1.07E-03	1.28E-04
87	436929.2	3725639	9.85E-04	2.06E-04	1.06E-03	1.27E-04
88	436919.8	3725612	9.57E-04	2.00E-04	1.03E-03	1.23E-04
89	436916.7	3725603	9.50E-04	1.99E-04	1.02E-03	1.22E-04
90	436913.6	3725595	9.42E-04	1.97E-04	1.01E-03	1.21E-04
91	436910.4	3725586	9.36E-04	1.96E-04	1.01E-03	1.20E-04
92	436907.3	3725577	9.29E-04	1.95E-04	9.99E-04	1.19E-04
93	436889.1	3724969	7.82E-04	1.62E-04	8.40E-04	9.81E-05
94	436893.2	3724961	7.84E-04	1.63E-04	8.42E-04	9.83E-05
95	436897.2	3724952	7.84E-04	1.63E-04	8.42E-04	9.83E-05
96	436901.2	3724944	7.85E-04	1.63E-04	8.42E-04	9.82E-05
97	436905.3	3724935	7.85E-04	1.63E-04	8.43E-04	9.83E-05
98	436909.3	3724927	7.89E-04	1.64E-04	8.47E-04	9.87E-05
99	436913.3	3724918	7.93E-04	1.64E-04	8.51E-04	9.91E-05

100	436917.4	3724910	7.95E-04	1.65E-04	8.54E-04	9.93E-05
101	436921.4	3724902	7.97E-04	1.65E-04	8.55E-04	9.94E-05
102	436925.4	3724893	7.96E-04	1.65E-04	8.55E-04	9.94E-05
103	436929.4	3724885	7.96E-04	1.65E-04	8.54E-04	9.92E-05
104	436933.5	3724876	7.99E-04	1.65E-04	8.57E-04	9.95E-05
105	436937.5	3724868	8.03E-04	1.66E-04	8.62E-04	1.00E-04
106	436941.5	3724859	8.07E-04	1.67E-04	8.66E-04	1.00E-04
107	436945.6	3724851	8.09E-04	1.68E-04	8.69E-04	1.01E-04
108	436949.6	3724842	8.09E-04	1.67E-04	8.68E-04	1.00E-04
109	436953.6	3724834	8.04E-04	1.66E-04	8.62E-04	9.98E-05
110	436957.7	3724825	7.97E-04	1.65E-04	8.55E-04	9.89E-05
111	436961.7	3724817	7.89E-04	1.63E-04	8.46E-04	9.78E-05
112	436965.7	3724809	7.80E-04	1.61E-04	8.37E-04	9.66E-05
113	436969.7	3724800	7.71E-04	1.59E-04	8.27E-04	9.54E-05
114	436973.8	3724792	7.60E-04	1.57E-04	8.16E-04	9.41E-05
115	436977.8	3724783	7.52E-04	1.55E-04	8.06E-04	9.29E-05
116	436981.8	3724775	7.46E-04	1.54E-04	8.00E-04	9.21E-05
117	436985.9	3724766	7.40E-04	1.53E-04	7.93E-04	9.13E-05
118	436976	3725761	1.07E-03	2.25E-04	1.15E-03	1.38E-04
119	436982.4	3725768	1.08E-03	2.27E-04	1.17E-03	1.40E-04
120	436936.8	3725772	9.69E-04	2.03E-04	1.04E-03	1.24E-04
121	436933.7	3725763	9.66E-04	2.02E-04	1.04E-03	1.24E-04
122	436930.6	3725754	9.62E-04	2.01E-04	1.03E-03	1.23E-04
123	436911.8	3725701	9.48E-04	1.99E-04	1.02E-03	1.22E-04
124	436908.6	3725692	9.48E-04	1.98E-04	1.02E-03	1.22E-04
125	436905.5	3725683	9.43E-04	1.97E-04	1.01E-03	1.21E-04
126	436902.4	3725674	9.31E-04	1.95E-04	1.00E-03	1.19E-04
127	436899.2	3725665	9.18E-04	1.92E-04	9.87E-04	1.18E-04
128	436883.6	3725621	8.64E-04	1.81E-04	9.28E-04	1.11E-04
129	436880.4	3725612	8.58E-04	1.79E-04	9.22E-04	1.10E-04
130	436877.3	3725603	8.52E-04	1.78E-04	9.15E-04	1.09E-04
131	436874.2	3725594	8.46E-04	1.77E-04	9.09E-04	1.08E-04
132	436871	3725585	8.40E-04	1.76E-04	9.02E-04	1.07E-04
133	436867.9	3725576	8.34E-04	1.74E-04	8.96E-04	1.07E-04
134	436833.5	3725000	7.18E-04	1.49E-04	7.70E-04	9.02E-05
135	436837.5	3724992	7.22E-04	1.50E-04	7.75E-04	9.07E-05
136	436841.6	3724983	7.26E-04	1.51E-04	7.79E-04	9.12E-05
137	436845.6	3724975	7.30E-04	1.52E-04	7.83E-04	9.16E-05
138	436849.7	3724966	7.33E-04	1.52E-04	7.87E-04	9.20E-05
139	436853.7	3724958	7.36E-04	1.53E-04	7.90E-04	9.23E-05
140	436857.8	3724949	7.39E-04	1.53E-04	7.93E-04	9.26E-05
141	436861.8	3724941	7.42E-04	1.54E-04	7.97E-04	9.30E-05
142	436865.8	3724932	7.45E-04	1.55E-04	7.99E-04	9.32E-05
143	436869.9	3724924	7.46E-04	1.55E-04	8.01E-04	9.34E-05
144	436873.9	3724915	7.47E-04	1.55E-04	8.02E-04	9.34E-05
145	436878	3724907	7.48E-04	1.55E-04	8.03E-04	9.35E-05
146	436882	3724898	7.50E-04	1.55E-04	8.04E-04	9.36E-05
147	436886.1	3724890	7.51E-04	1.56E-04	8.06E-04	9.37E-05
148	436890.1	3724881	7.51E-04	1.56E-04	8.06E-04	9.37E-05
149	436894.2	3724873	7.52E-04	1.56E-04	8.06E-04	9.37E-05
150	436898.2	3724864	7.52E-04	1.56E-04	8.07E-04	9.37E-05
151	436902.3	3724856	7.52E-04	1.56E-04	8.07E-04	9.37E-05

152	436906.3	3724847	7.53E-04	1.56E-04	8.08E-04	9.37E-05
153	436910.4	3724839	7.51E-04	1.56E-04	8.06E-04	9.34E-05
154	436914.4	3724830	7.48E-04	1.55E-04	8.03E-04	9.30E-05
155	436918.4	3724822	7.44E-04	1.54E-04	7.98E-04	9.24E-05
156	436922.5	3724813	7.40E-04	1.53E-04	7.94E-04	9.19E-05
157	436926.5	3724805	7.37E-04	1.52E-04	7.90E-04	9.14E-05
158	436930.6	3724796	7.33E-04	1.52E-04	7.86E-04	9.08E-05
159	436934.6	3724788	7.29E-04	1.51E-04	7.82E-04	9.02E-05
160	436938.7	3724779	7.25E-04	1.50E-04	7.77E-04	8.97E-05
161	436942.7	3724771	7.20E-04	1.49E-04	7.73E-04	8.91E-05
162	436946.8	3724762	7.16E-04	1.48E-04	7.67E-04	8.84E-05
163	436950.8	3724754	7.10E-04	1.47E-04	7.62E-04	8.77E-05
164	436954.9	3724745	7.06E-04	1.46E-04	7.58E-04	8.72E-05
165	436958.9	3724737	7.02E-04	1.45E-04	7.53E-04	8.66E-05
166	436963	3724728	7.00E-04	1.44E-04	7.51E-04	8.62E-05
167	436939.9	3725780	9.73E-04	2.04E-04	1.05E-03	1.25E-04
168	436946.3	3725787	9.86E-04	2.06E-04	1.06E-03	1.27E-04
169	436952.6	3725794	9.99E-04	2.09E-04	1.07E-03	1.28E-04
170	436907	3725798	8.98E-04	1.88E-04	9.65E-04	1.15E-04
171	436903.9	3725789	8.97E-04	1.88E-04	9.64E-04	1.15E-04
172	436900.8	3725780	8.97E-04	1.88E-04	9.64E-04	1.15E-04
173	436897.6	3725771	8.94E-04	1.87E-04	9.61E-04	1.15E-04
174	436894.5	3725763	8.90E-04	1.86E-04	9.56E-04	1.14E-04
175	436872.5	3725700	8.66E-04	1.81E-04	9.30E-04	1.11E-04
176	436869.3	3725691	8.60E-04	1.80E-04	9.23E-04	1.10E-04
177	436866.2	3725682	8.51E-04	1.78E-04	9.14E-04	1.09E-04
178	436863	3725674	8.41E-04	1.76E-04	9.03E-04	1.07E-04
179	436859.9	3725665	8.31E-04	1.74E-04	8.92E-04	1.06E-04
180	436856.7	3725656	8.21E-04	1.72E-04	8.82E-04	1.05E-04
181	436853.6	3725647	8.10E-04	1.69E-04	8.70E-04	1.03E-04
182	436850.5	3725638	8.00E-04	1.67E-04	8.59E-04	1.02E-04
183	436847.3	3725629	7.90E-04	1.65E-04	8.48E-04	1.01E-04
184	436844.2	3725620	7.83E-04	1.64E-04	8.41E-04	1.00E-04
185	436841	3725611	7.78E-04	1.63E-04	8.36E-04	9.93E-05
186	436837.9	3725602	7.74E-04	1.62E-04	8.31E-04	9.87E-05
187	436834.7	3725593	7.68E-04	1.61E-04	8.25E-04	9.80E-05
188	436831.6	3725585	7.63E-04	1.59E-04	8.20E-04	9.74E-05
189	436828.4	3725576	7.57E-04	1.58E-04	8.14E-04	9.66E-05
190	436773.6	3725040	6.53E-04	1.36E-04	7.01E-04	8.22E-05
191	436777.6	3725031	6.58E-04	1.37E-04	7.06E-04	8.28E-05
192	436781.7	3725023	6.62E-04	1.38E-04	7.11E-04	8.33E-05
193	436785.8	3725014	6.67E-04	1.39E-04	7.16E-04	8.39E-05
194	436789.8	3725006	6.71E-04	1.40E-04	7.21E-04	8.44E-05
195	436793.9	3724997	6.76E-04	1.40E-04	7.26E-04	8.50E-05
196	436797.9	3724989	6.81E-04	1.41E-04	7.30E-04	8.55E-05
197	436802	3724980	6.85E-04	1.42E-04	7.35E-04	8.60E-05
198	436806.1	3724972	6.90E-04	1.43E-04	7.40E-04	8.65E-05
199	436810.1	3724963	6.94E-04	1.44E-04	7.44E-04	8.70E-05
200	436814.2	3724955	6.97E-04	1.45E-04	7.48E-04	8.73E-05
201	436818.3	3724946	7.00E-04	1.45E-04	7.51E-04	8.77E-05
202	436822.3	3724938	7.03E-04	1.46E-04	7.54E-04	8.80E-05
203	436826.4	3724929	7.05E-04	1.46E-04	7.57E-04	8.83E-05

204	436830.4	3724921	7.08E-04	1.47E-04	7.60E-04	8.86E-05
205	436834.5	3724912	7.10E-04	1.47E-04	7.62E-04	8.88E-05
206	436838.6	3724903	7.13E-04	1.48E-04	7.65E-04	8.91E-05
207	436842.6	3724895	7.15E-04	1.48E-04	7.67E-04	8.93E-05
208	436846.7	3724886	7.17E-04	1.49E-04	7.70E-04	8.96E-05
209	436850.7	3724878	7.20E-04	1.49E-04	7.72E-04	8.98E-05
210	436854.8	3724869	7.20E-04	1.49E-04	7.73E-04	8.98E-05
211	436858.9	3724861	7.20E-04	1.49E-04	7.72E-04	8.97E-05
212	436862.9	3724852	7.19E-04	1.49E-04	7.71E-04	8.95E-05
213	436867	3724844	7.18E-04	1.49E-04	7.70E-04	8.94E-05
214	436871.1	3724835	7.16E-04	1.48E-04	7.69E-04	8.92E-05
215	436875.1	3724827	7.14E-04	1.48E-04	7.66E-04	8.89E-05
216	436879.2	3724818	7.12E-04	1.47E-04	7.64E-04	8.86E-05
217	436883.2	3724810	7.10E-04	1.47E-04	7.62E-04	8.82E-05
218	436887.3	3724801	7.07E-04	1.46E-04	7.59E-04	8.78E-05
219	436891.4	3724793	7.04E-04	1.46E-04	7.56E-04	8.74E-05
220	436895.4	3724784	7.01E-04	1.45E-04	7.52E-04	8.70E-05
221	436899.5	3724776	6.98E-04	1.44E-04	7.48E-04	8.65E-05
222	436903.5	3724767	6.94E-04	1.43E-04	7.44E-04	8.59E-05
223	436907.6	3724759	6.89E-04	1.43E-04	7.40E-04	8.54E-05
224	436911.7	3724750	6.85E-04	1.42E-04	7.35E-04	8.48E-05
225	436915.7	3724742	6.80E-04	1.40E-04	7.29E-04	8.41E-05
226	436919.8	3724733	6.75E-04	1.39E-04	7.24E-04	8.34E-05
227	436923.8	3724725	6.70E-04	1.38E-04	7.18E-04	8.27E-05
228	436927.9	3724716	6.64E-04	1.37E-04	7.12E-04	8.19E-05
229	436932	3724707	6.58E-04	1.36E-04	7.06E-04	8.12E-05
230	436936	3724699	6.52E-04	1.35E-04	6.99E-04	8.04E-05
231	436940.1	3724690	6.45E-04	1.33E-04	6.92E-04	7.95E-05
232	436910.2	3725807	9.00E-04	1.88E-04	9.67E-04	1.15E-04
233	436916.5	3725814	9.09E-04	1.90E-04	9.77E-04	1.16E-04
234	436922.8	3725821	9.19E-04	1.92E-04	9.87E-04	1.18E-04
235	436877.3	3725825	8.22E-04	1.72E-04	8.83E-04	1.05E-04
236	436874.2	3725816	8.20E-04	1.71E-04	8.81E-04	1.05E-04
237	436871.1	3725807	8.18E-04	1.71E-04	8.79E-04	1.04E-04
238	436868	3725799	8.16E-04	1.71E-04	8.76E-04	1.04E-04
239	436864.9	3725790	8.14E-04	1.70E-04	8.75E-04	1.04E-04
240	436861.8	3725781	8.12E-04	1.70E-04	8.73E-04	1.04E-04
241	436858.6	3725772	8.11E-04	1.69E-04	8.71E-04	1.04E-04
242	436855.5	3725763	8.11E-04	1.69E-04	8.71E-04	1.03E-04
243	436852.4	3725755	8.10E-04	1.69E-04	8.70E-04	1.03E-04
244	436836.9	3725711	7.96E-04	1.66E-04	8.55E-04	1.02E-04
245	436833.8	3725702	7.89E-04	1.65E-04	8.47E-04	1.01E-04
246	436830.7	3725693	7.83E-04	1.63E-04	8.41E-04	9.98E-05
247	436827.5	3725684	7.77E-04	1.62E-04	8.34E-04	9.91E-05
248	436824.4	3725675	7.70E-04	1.61E-04	8.27E-04	9.82E-05
249	436821.3	3725666	7.63E-04	1.59E-04	8.19E-04	9.72E-05
250	436818.2	3725658	7.56E-04	1.58E-04	8.12E-04	9.63E-05
251	436815.1	3725649	7.47E-04	1.56E-04	8.03E-04	9.52E-05
252	436812	3725640	7.39E-04	1.54E-04	7.94E-04	9.42E-05
253	436808.9	3725631	7.32E-04	1.53E-04	7.86E-04	9.32E-05
254	436716.7	3725073	6.02E-04	1.25E-04	6.46E-04	7.58E-05
255	436720.8	3725065	6.06E-04	1.26E-04	6.51E-04	7.64E-05

256	436724.8	3725056	6.10E-04	1.27E-04	6.54E-04	7.68E-05
257	436728.8	3725048	6.14E-04	1.28E-04	6.59E-04	7.73E-05
258	436732.8	3725039	6.18E-04	1.28E-04	6.63E-04	7.77E-05
259	436736.8	3725031	6.21E-04	1.29E-04	6.67E-04	7.82E-05
260	436740.9	3725023	6.25E-04	1.30E-04	6.71E-04	7.86E-05
261	436744.9	3725014	6.28E-04	1.31E-04	6.74E-04	7.90E-05
262	436748.9	3725006	6.32E-04	1.31E-04	6.79E-04	7.95E-05
263	436752.9	3724997	6.37E-04	1.32E-04	6.83E-04	8.00E-05
264	436756.9	3724989	6.41E-04	1.33E-04	6.88E-04	8.05E-05
265	436760.9	3724980	6.45E-04	1.34E-04	6.92E-04	8.10E-05
266	436765	3724972	6.50E-04	1.35E-04	6.97E-04	8.16E-05
267	436769	3724964	6.54E-04	1.36E-04	7.02E-04	8.21E-05
268	436773	3724955	6.58E-04	1.37E-04	7.06E-04	8.25E-05
269	436777	3724947	6.62E-04	1.37E-04	7.10E-04	8.29E-05
270	436781	3724938	6.66E-04	1.38E-04	7.14E-04	8.34E-05
271	436785.1	3724930	6.69E-04	1.39E-04	7.18E-04	8.38E-05
272	436789.1	3724921	6.71E-04	1.39E-04	7.20E-04	8.40E-05
273	436793.1	3724913	6.72E-04	1.39E-04	7.21E-04	8.41E-05
274	436797.1	3724905	6.74E-04	1.40E-04	7.23E-04	8.42E-05
275	436801.1	3724896	6.74E-04	1.40E-04	7.24E-04	8.43E-05
276	436805.1	3724888	6.75E-04	1.40E-04	7.25E-04	8.44E-05
277	436809.2	3724879	6.76E-04	1.40E-04	7.25E-04	8.44E-05
278	436813.2	3724871	6.76E-04	1.40E-04	7.26E-04	8.45E-05
279	436817.2	3724862	6.76E-04	1.40E-04	7.26E-04	8.44E-05
280	436821.2	3724854	6.76E-04	1.40E-04	7.25E-04	8.44E-05
281	436825.2	3724846	6.76E-04	1.40E-04	7.25E-04	8.43E-05
282	436829.3	3724837	6.75E-04	1.40E-04	7.24E-04	8.41E-05
283	436833.3	3724829	6.74E-04	1.40E-04	7.23E-04	8.39E-05
284	436837.3	3724820	6.72E-04	1.39E-04	7.21E-04	8.37E-05
285	436841.3	3724812	6.71E-04	1.39E-04	7.20E-04	8.35E-05
286	436845.3	3724803	6.69E-04	1.38E-04	7.18E-04	8.32E-05
287	436849.3	3724795	6.67E-04	1.38E-04	7.15E-04	8.29E-05
288	436853.4	3724786	6.64E-04	1.37E-04	7.13E-04	8.25E-05
289	436857.4	3724778	6.62E-04	1.37E-04	7.10E-04	8.22E-05
290	436861.4	3724770	6.59E-04	1.36E-04	7.07E-04	8.18E-05
291	436865.4	3724761	6.56E-04	1.36E-04	7.03E-04	8.13E-05
292	436869.4	3724753	6.52E-04	1.35E-04	7.00E-04	8.09E-05
293	436873.5	3724744	6.49E-04	1.34E-04	6.96E-04	8.04E-05
294	436877.5	3724736	6.45E-04	1.33E-04	6.92E-04	7.99E-05
295	436881.5	3724727	6.41E-04	1.32E-04	6.87E-04	7.93E-05
296	436885.5	3724719	6.37E-04	1.32E-04	6.83E-04	7.88E-05
297	436889.5	3724711	6.32E-04	1.31E-04	6.78E-04	7.81E-05
298	436893.5	3724702	6.27E-04	1.30E-04	6.73E-04	7.75E-05
299	436897.6	3724694	6.23E-04	1.29E-04	6.68E-04	7.69E-05
300	436901.6	3724685	6.17E-04	1.27E-04	6.62E-04	7.61E-05
301	436905.6	3724677	6.12E-04	1.26E-04	6.56E-04	7.54E-05
302	436909.6	3724668	6.06E-04	1.25E-04	6.50E-04	7.47E-05
303	436913.6	3724660	6.00E-04	1.24E-04	6.44E-04	7.39E-05
304	436917.7	3724652	5.94E-04	1.23E-04	6.37E-04	7.31E-05
305	436921.7	3724643	5.88E-04	1.21E-04	6.31E-04	7.23E-05
306	436925.7	3724635	5.82E-04	1.20E-04	6.24E-04	7.15E-05
307	436929.7	3724626	5.75E-04	1.19E-04	6.17E-04	7.06E-05

308	436933.7	3724618	5.68E-04	1.17E-04	6.09E-04	6.98E-05
309	436937.8	3724609	5.61E-04	1.16E-04	6.02E-04	6.89E-05
310	436941.8	3724601	5.55E-04	1.14E-04	5.94E-04	6.80E-05
311	436880.4	3725834	8.24E-04	1.72E-04	8.85E-04	1.05E-04
312	436886.7	3725841	8.34E-04	1.74E-04	8.96E-04	1.07E-04
313	436893.1	3725848	8.45E-04	1.77E-04	9.08E-04	1.08E-04
314	436847.5	3725852	7.64E-04	1.60E-04	8.21E-04	9.74E-05
315	436844.4	3725843	7.61E-04	1.59E-04	8.17E-04	9.70E-05
316	436841.3	3725834	7.58E-04	1.58E-04	8.14E-04	9.66E-05
317	436838.2	3725825	7.55E-04	1.58E-04	8.11E-04	9.63E-05
318	436835	3725816	7.53E-04	1.57E-04	8.09E-04	9.59E-05
319	436831.9	3725808	7.50E-04	1.57E-04	8.06E-04	9.56E-05
320	436828.8	3725799	7.47E-04	1.56E-04	8.03E-04	9.52E-05
321	436825.7	3725790	7.44E-04	1.55E-04	8.00E-04	9.48E-05
322	436822.6	3725781	7.42E-04	1.55E-04	7.97E-04	9.45E-05
323	436819.4	3725772	7.40E-04	1.54E-04	7.94E-04	9.42E-05
324	436816.3	3725763	7.38E-04	1.54E-04	7.93E-04	9.40E-05
325	436791.3	3725693	7.24E-04	1.51E-04	7.77E-04	9.21E-05
326	436788.2	3725684	7.21E-04	1.50E-04	7.74E-04	9.17E-05
327	436673	3725079	5.49E-04	1.14E-04	5.89E-04	6.92E-05
328	436677	3725071	5.54E-04	1.15E-04	5.94E-04	6.97E-05
329	436681.1	3725062	5.59E-04	1.16E-04	5.99E-04	7.03E-05
330	436685.1	3725054	5.64E-04	1.17E-04	6.05E-04	7.10E-05
331	436689.1	3725045	5.70E-04	1.18E-04	6.12E-04	7.17E-05
332	436693.2	3725037	5.76E-04	1.20E-04	6.18E-04	7.24E-05
333	436697.2	3725028	5.81E-04	1.21E-04	6.24E-04	7.31E-05
334	436701.2	3725020	5.86E-04	1.22E-04	6.29E-04	7.37E-05
335	436705.3	3725011	5.91E-04	1.23E-04	6.34E-04	7.42E-05
336	436709.3	3725003	5.95E-04	1.24E-04	6.38E-04	7.47E-05
337	436713.3	3724994	5.99E-04	1.24E-04	6.43E-04	7.52E-05
338	436717.3	3724986	6.04E-04	1.25E-04	6.48E-04	7.58E-05
339	436721.4	3724978	6.08E-04	1.26E-04	6.53E-04	7.63E-05
340	436725.4	3724969	6.13E-04	1.27E-04	6.57E-04	7.69E-05
341	436729.4	3724961	6.16E-04	1.28E-04	6.61E-04	7.73E-05
342	436733.5	3724952	6.20E-04	1.29E-04	6.65E-04	7.77E-05
343	436737.5	3724944	6.23E-04	1.29E-04	6.69E-04	7.81E-05
344	436741.5	3724935	6.25E-04	1.30E-04	6.71E-04	7.83E-05
345	436745.6	3724927	6.27E-04	1.30E-04	6.73E-04	7.85E-05
346	436749.6	3724918	6.29E-04	1.31E-04	6.75E-04	7.88E-05
347	436753.6	3724910	6.30E-04	1.31E-04	6.76E-04	7.89E-05
348	436757.7	3724901	6.32E-04	1.31E-04	6.78E-04	7.90E-05
349	436761.7	3724893	6.33E-04	1.31E-04	6.79E-04	7.92E-05
350	436765.7	3724884	6.34E-04	1.32E-04	6.80E-04	7.93E-05
351	436769.8	3724876	6.35E-04	1.32E-04	6.81E-04	7.93E-05
352	436773.8	3724868	6.35E-04	1.32E-04	6.82E-04	7.94E-05
353	436777.8	3724859	6.36E-04	1.32E-04	6.82E-04	7.94E-05
354	436781.9	3724851	6.36E-04	1.32E-04	6.82E-04	7.93E-05
355	436785.9	3724842	6.36E-04	1.32E-04	6.82E-04	7.93E-05
356	436789.9	3724834	6.35E-04	1.32E-04	6.81E-04	7.92E-05
357	436794	3724825	6.35E-04	1.31E-04	6.81E-04	7.91E-05
358	436798	3724817	6.33E-04	1.31E-04	6.80E-04	7.89E-05
359	436802	3724808	6.33E-04	1.31E-04	6.79E-04	7.88E-05

360	436806.1	3724800	6.31E-04	1.31E-04	6.77E-04	7.85E-05
361	436810.1	3724791	6.30E-04	1.30E-04	6.76E-04	7.83E-05
362	436814.1	3724783	6.28E-04	1.30E-04	6.74E-04	7.81E-05
363	436818.2	3724774	6.26E-04	1.30E-04	6.72E-04	7.78E-05
364	436822.2	3724766	6.24E-04	1.29E-04	6.69E-04	7.75E-05
365	436826.2	3724758	6.22E-04	1.29E-04	6.67E-04	7.72E-05
366	436830.3	3724749	6.19E-04	1.28E-04	6.64E-04	7.68E-05
367	436834.3	3724741	6.16E-04	1.27E-04	6.61E-04	7.65E-05
368	436838.3	3724732	6.13E-04	1.27E-04	6.58E-04	7.60E-05
369	436842.4	3724724	6.10E-04	1.26E-04	6.54E-04	7.56E-05
370	436846.4	3724715	6.07E-04	1.25E-04	6.51E-04	7.51E-05
371	436850.4	3724707	6.03E-04	1.25E-04	6.47E-04	7.46E-05
372	436854.5	3724698	5.99E-04	1.24E-04	6.43E-04	7.41E-05
373	436858.5	3724690	5.95E-04	1.23E-04	6.39E-04	7.36E-05
374	436862.5	3724681	5.91E-04	1.22E-04	6.34E-04	7.30E-05
375	436866.6	3724673	5.87E-04	1.21E-04	6.29E-04	7.24E-05
376	436870.6	3724664	5.82E-04	1.20E-04	6.24E-04	7.18E-05
377	436874.6	3724656	5.77E-04	1.19E-04	6.19E-04	7.12E-05
378	436878.7	3724647	5.72E-04	1.18E-04	6.14E-04	7.06E-05
379	436882.7	3724639	5.67E-04	1.17E-04	6.08E-04	6.99E-05
380	436886.7	3724631	5.62E-04	1.16E-04	6.03E-04	6.92E-05
381	436890.8	3724622	5.57E-04	1.15E-04	5.97E-04	6.85E-05
382	436894.8	3724614	5.51E-04	1.14E-04	5.91E-04	6.78E-05
383	436898.8	3724605	5.45E-04	1.12E-04	5.85E-04	6.70E-05
384	436902.9	3724597	5.40E-04	1.11E-04	5.79E-04	6.63E-05
385	436906.9	3724588	5.34E-04	1.10E-04	5.73E-04	6.56E-05
386	436910.9	3724580	5.28E-04	1.09E-04	5.66E-04	6.48E-05
387	436915	3724571	5.22E-04	1.08E-04	5.60E-04	6.40E-05
388	436850.7	3725861	7.68E-04	1.60E-04	8.25E-04	9.79E-05
389	436857	3725868	7.77E-04	1.62E-04	8.34E-04	9.90E-05
390	436863.3	3725875	7.87E-04	1.64E-04	8.46E-04	1.00E-04
391	436817.8	3725878	7.18E-04	1.50E-04	7.71E-04	9.13E-05
392	436814.6	3725870	7.14E-04	1.49E-04	7.67E-04	9.09E-05
393	436811.5	3725861	7.10E-04	1.48E-04	7.63E-04	9.04E-05
394	436808.4	3725852	7.07E-04	1.47E-04	7.59E-04	8.99E-05
395	436805.2	3725843	7.03E-04	1.47E-04	7.55E-04	8.94E-05
396	436802.1	3725834	7.00E-04	1.46E-04	7.51E-04	8.90E-05
397	436799	3725825	6.97E-04	1.45E-04	7.49E-04	8.86E-05
398	436795.8	3725816	6.95E-04	1.45E-04	7.46E-04	8.83E-05
399	436792.7	3725807	6.92E-04	1.44E-04	7.43E-04	8.80E-05
400	436789.6	3725799	6.90E-04	1.44E-04	7.41E-04	8.77E-05
401	436786.4	3725790	6.88E-04	1.43E-04	7.38E-04	8.74E-05
402	436783.3	3725781	6.86E-04	1.43E-04	7.36E-04	8.71E-05
403	436657.5	3725026	5.34E-04	1.11E-04	5.73E-04	6.71E-05
404	436661.6	3725017	5.40E-04	1.12E-04	5.79E-04	6.78E-05
405	436665.6	3725009	5.45E-04	1.13E-04	5.85E-04	6.84E-05
406	436669.6	3725000	5.50E-04	1.14E-04	5.91E-04	6.91E-05
407	436673.7	3724992	5.55E-04	1.15E-04	5.96E-04	6.97E-05
408	436677.7	3724983	5.59E-04	1.16E-04	6.00E-04	7.01E-05
409	436681.8	3724975	5.63E-04	1.17E-04	6.04E-04	7.06E-05
410	436685.8	3724966	5.67E-04	1.18E-04	6.08E-04	7.11E-05
411	436689.9	3724958	5.70E-04	1.18E-04	6.12E-04	7.15E-05

412	436693.9	3724949	5.73E-04	1.19E-04	6.15E-04	7.18E-05
413	436698	3724941	5.75E-04	1.19E-04	6.17E-04	7.21E-05
414	436702	3724932	5.78E-04	1.20E-04	6.20E-04	7.24E-05
415	436706.1	3724924	5.82E-04	1.21E-04	6.24E-04	7.28E-05
416	436710.1	3724915	5.85E-04	1.21E-04	6.28E-04	7.32E-05
417	436714.2	3724907	5.89E-04	1.22E-04	6.32E-04	7.37E-05
418	436718.2	3724898	5.92E-04	1.23E-04	6.35E-04	7.40E-05
419	436722.3	3724890	5.94E-04	1.23E-04	6.38E-04	7.43E-05
420	436726.3	3724881	5.96E-04	1.24E-04	6.39E-04	7.45E-05
421	436730.3	3724873	5.97E-04	1.24E-04	6.40E-04	7.46E-05
422	436734.4	3724864	5.98E-04	1.24E-04	6.41E-04	7.46E-05
423	436738.4	3724856	5.99E-04	1.24E-04	6.42E-04	7.47E-05
424	436742.5	3724847	5.99E-04	1.24E-04	6.43E-04	7.48E-05
425	436746.5	3724839	5.99E-04	1.24E-04	6.43E-04	7.48E-05
426	436750.6	3724830	6.00E-04	1.24E-04	6.43E-04	7.48E-05
427	436754.6	3724822	5.99E-04	1.24E-04	6.43E-04	7.47E-05
428	436758.7	3724813	5.99E-04	1.24E-04	6.43E-04	7.46E-05
429	436762.7	3724805	5.98E-04	1.24E-04	6.42E-04	7.46E-05
430	436766.8	3724796	5.98E-04	1.24E-04	6.41E-04	7.44E-05
431	436770.8	3724788	5.97E-04	1.24E-04	6.40E-04	7.43E-05
432	436774.9	3724779	5.96E-04	1.23E-04	6.39E-04	7.41E-05
433	436778.9	3724771	5.94E-04	1.23E-04	6.37E-04	7.39E-05
434	436782.9	3724762	5.93E-04	1.23E-04	6.36E-04	7.37E-05
435	436787	3724754	5.91E-04	1.22E-04	6.34E-04	7.34E-05
436	436791	3724745	5.89E-04	1.22E-04	6.32E-04	7.31E-05
437	436795.1	3724737	5.87E-04	1.21E-04	6.30E-04	7.28E-05
438	436799.1	3724728	5.84E-04	1.21E-04	6.27E-04	7.25E-05
439	436803.2	3724720	5.82E-04	1.20E-04	6.24E-04	7.22E-05
440	436807.2	3724711	5.79E-04	1.20E-04	6.21E-04	7.18E-05
441	436811.3	3724703	5.77E-04	1.19E-04	6.18E-04	7.14E-05
442	436815.3	3724694	5.74E-04	1.19E-04	6.15E-04	7.10E-05
443	436819.4	3724686	5.70E-04	1.18E-04	6.12E-04	7.06E-05
444	436823.4	3724678	5.67E-04	1.17E-04	6.08E-04	7.01E-05
445	436827.5	3724669	5.64E-04	1.16E-04	6.04E-04	6.97E-05
446	436831.5	3724661	5.60E-04	1.16E-04	6.00E-04	6.92E-05
447	436835.6	3724652	5.56E-04	1.15E-04	5.96E-04	6.86E-05
448	436839.6	3724644	5.52E-04	1.14E-04	5.92E-04	6.81E-05
449	436843.6	3724635	5.48E-04	1.13E-04	5.87E-04	6.76E-05
450	436847.7	3724627	5.43E-04	1.12E-04	5.83E-04	6.70E-05
451	436851.7	3724618	5.39E-04	1.11E-04	5.78E-04	6.64E-05
452	436855.8	3724610	5.34E-04	1.10E-04	5.73E-04	6.58E-05
453	436859.8	3724601	5.29E-04	1.09E-04	5.68E-04	6.51E-05
454	436863.9	3724593	5.25E-04	1.08E-04	5.62E-04	6.45E-05
455	436867.9	3724584	5.20E-04	1.07E-04	5.57E-04	6.39E-05
456	436872	3724576	5.15E-04	1.06E-04	5.52E-04	6.33E-05
457	436876	3724567	5.10E-04	1.05E-04	5.47E-04	6.26E-05
458	436880.1	3724559	5.05E-04	1.04E-04	5.41E-04	6.19E-05
459	436884.1	3724550	4.99E-04	1.03E-04	5.35E-04	6.12E-05
460	436888.2	3724542	4.93E-04	1.02E-04	5.28E-04	6.04E-05
461	436820.9	3725887	7.22E-04	1.51E-04	7.75E-04	9.18E-05
462	436827.2	3725894	7.31E-04	1.52E-04	7.84E-04	9.30E-05
463	436833.5	3725901	7.40E-04	1.54E-04	7.94E-04	9.42E-05

464	436788	3725905	6.78E-04	1.41E-04	7.28E-04	8.61E-05
465	436784.8	3725896	6.74E-04	1.41E-04	7.24E-04	8.56E-05
466	436781.7	3725887	6.71E-04	1.40E-04	7.20E-04	8.52E-05
467	436778.6	3725878	6.68E-04	1.39E-04	7.17E-04	8.48E-05
468	436775.4	3725870	6.65E-04	1.39E-04	7.14E-04	8.44E-05
469	436772.3	3725861	6.62E-04	1.38E-04	7.11E-04	8.40E-05
470	436769.1	3725852	6.58E-04	1.37E-04	7.07E-04	8.36E-05
471	436766	3725843	6.55E-04	1.37E-04	7.03E-04	8.31E-05
472	436762.8	3725834	6.51E-04	1.36E-04	6.99E-04	8.26E-05
473	436759.7	3725825	6.49E-04	1.35E-04	6.96E-04	8.23E-05
474	436756.6	3725816	6.46E-04	1.35E-04	6.94E-04	8.20E-05
475	436753.4	3725807	6.44E-04	1.34E-04	6.91E-04	8.17E-05
476	436750.3	3725798	6.42E-04	1.34E-04	6.90E-04	8.15E-05
477	436747.1	3725789	6.41E-04	1.34E-04	6.88E-04	8.13E-05
478	436650.3	3724955	5.30E-04	1.10E-04	5.68E-04	6.64E-05
479	436654.3	3724946	5.33E-04	1.11E-04	5.72E-04	6.67E-05
480	436658.4	3724938	5.35E-04	1.11E-04	5.74E-04	6.70E-05
481	436662.5	3724929	5.37E-04	1.11E-04	5.76E-04	6.73E-05
482	436666.5	3724921	5.40E-04	1.12E-04	5.79E-04	6.76E-05
483	436670.6	3724912	5.42E-04	1.13E-04	5.82E-04	6.79E-05
484	436674.6	3724904	5.45E-04	1.13E-04	5.84E-04	6.81E-05
485	436678.7	3724895	5.47E-04	1.13E-04	5.87E-04	6.84E-05
486	436682.8	3724887	5.49E-04	1.14E-04	5.89E-04	6.86E-05
487	436686.8	3724878	5.51E-04	1.14E-04	5.91E-04	6.88E-05
488	436690.9	3724870	5.52E-04	1.14E-04	5.92E-04	6.90E-05
489	436694.9	3724861	5.54E-04	1.15E-04	5.94E-04	6.92E-05
490	436699	3724853	5.56E-04	1.15E-04	5.97E-04	6.94E-05
491	436703.1	3724844	5.58E-04	1.16E-04	5.99E-04	6.97E-05
492	436707.1	3724836	5.61E-04	1.16E-04	6.02E-04	6.99E-05
493	436711.2	3724827	5.63E-04	1.17E-04	6.03E-04	7.01E-05
494	436715.2	3724819	5.64E-04	1.17E-04	6.05E-04	7.03E-05
495	436719.3	3724810	5.66E-04	1.17E-04	6.08E-04	7.06E-05
496	436723.3	3724802	5.67E-04	1.17E-04	6.08E-04	7.06E-05
497	436727.4	3724793	5.67E-04	1.17E-04	6.08E-04	7.05E-05
498	436731.5	3724785	5.66E-04	1.17E-04	6.07E-04	7.05E-05
499	436735.5	3724776	5.65E-04	1.17E-04	6.07E-04	7.04E-05
500	436739.6	3724767	5.65E-04	1.17E-04	6.06E-04	7.02E-05
501	436743.6	3724759	5.64E-04	1.17E-04	6.05E-04	7.01E-05
502	436747.7	3724750	5.63E-04	1.16E-04	6.04E-04	6.99E-05
503	436751.8	3724742	5.62E-04	1.16E-04	6.02E-04	6.98E-05
504	436755.8	3724733	5.60E-04	1.16E-04	6.01E-04	6.95E-05
505	436759.9	3724725	5.58E-04	1.15E-04	5.99E-04	6.93E-05
506	436763.9	3724716	5.56E-04	1.15E-04	5.97E-04	6.90E-05
507	436768	3724708	5.54E-04	1.15E-04	5.94E-04	6.87E-05
508	436772.1	3724699	5.52E-04	1.14E-04	5.92E-04	6.84E-05
509	436776.1	3724691	5.49E-04	1.14E-04	5.89E-04	6.81E-05
510	436780.2	3724682	5.47E-04	1.13E-04	5.86E-04	6.77E-05
511	436784.2	3724674	5.44E-04	1.12E-04	5.84E-04	6.74E-05
512	436788.3	3724665	5.41E-04	1.12E-04	5.81E-04	6.70E-05
513	436792.3	3724657	5.39E-04	1.11E-04	5.78E-04	6.66E-05
514	436796.4	3724648	5.36E-04	1.11E-04	5.74E-04	6.62E-05
515	436800.5	3724640	5.32E-04	1.10E-04	5.71E-04	6.58E-05

516	436804.5	3724631	5.29E-04	1.09E-04	5.67E-04	6.53E-05
517	436808.6	3724623	5.25E-04	1.08E-04	5.63E-04	6.48E-05
518	436812.6	3724614	5.21E-04	1.08E-04	5.59E-04	6.43E-05
519	436816.7	3724606	5.17E-04	1.07E-04	5.55E-04	6.38E-05
520	436820.8	3724597	5.13E-04	1.06E-04	5.50E-04	6.33E-05
521	436824.8	3724589	5.09E-04	1.05E-04	5.46E-04	6.27E-05
522	436828.9	3724580	5.05E-04	1.04E-04	5.41E-04	6.21E-05
523	436832.9	3724572	5.00E-04	1.03E-04	5.37E-04	6.16E-05
524	436837	3724563	4.96E-04	1.02E-04	5.32E-04	6.11E-05
525	436841.1	3724555	4.92E-04	1.01E-04	5.27E-04	6.04E-05
526	436845.1	3724546	4.87E-04	1.00E-04	5.22E-04	5.98E-05
527	436849.2	3724538	4.80E-04	9.88E-05	5.14E-04	5.89E-05
528	436853.2	3724529	4.73E-04	9.74E-05	5.07E-04	5.80E-05
529	436857.3	3724520	4.66E-04	9.60E-05	5.00E-04	5.71E-05
530	436861.3	3724512	4.62E-04	9.51E-05	4.95E-04	5.66E-05
531	436791.1	3725914	6.82E-04	1.42E-04	7.32E-04	8.66E-05
532	436797.4	3725921	6.90E-04	1.44E-04	7.40E-04	8.76E-05
533	436803.8	3725928	6.97E-04	1.45E-04	7.49E-04	8.86E-05
534	437276.6	3725541	6.37E-03	1.38E-03	6.88E-03	8.87E-04
535	437288.5	3725555	6.86E-03	1.48E-03	7.41E-03	9.60E-04
536	437300.3	3725568	7.45E-03	1.62E-03	8.05E-03	1.05E-03
537	437242.6	3725549	4.68E-03	1.00E-03	5.04E-03	6.41E-04
538	437254.4	3725562	5.05E-03	1.09E-03	5.45E-03	6.95E-04
539	437244	3725595	4.34E-03	9.31E-04	4.68E-03	5.93E-04
540	437255.8	3725608	4.66E-03	1.00E-03	5.02E-03	6.39E-04
541	437198.2	3725589	3.21E-03	6.84E-04	3.46E-03	4.32E-04
542	437210	3725602	3.40E-03	7.25E-04	3.66E-03	4.59E-04
543	437221.8	3725615	3.61E-03	7.71E-04	3.89E-03	4.88E-04
544	437233.6	3725628	3.84E-03	8.21E-04	4.14E-03	5.21E-04
545	437175.9	3725609	2.71E-03	5.76E-04	2.92E-03	3.62E-04
546	437199.5	3725635	3.03E-03	6.45E-04	3.26E-03	4.07E-04
547	437153.7	3725629	2.32E-03	4.91E-04	2.50E-03	3.08E-04
548	437165.5	3725642	2.45E-03	5.19E-04	2.63E-03	3.25E-04
549	437131.5	3725649	2.03E-03	4.31E-04	2.19E-03	2.69E-04
550	437143.3	3725662	2.13E-03	4.51E-04	2.29E-03	2.82E-04
551	437155.1	3725675	2.23E-03	4.74E-04	2.41E-03	2.96E-04
552	437166.9	3725688	2.35E-03	4.97E-04	2.53E-03	3.11E-04
553	437079.6	3725696	1.53E-03	3.23E-04	1.65E-03	2.00E-04
554	437091.4	3725709	1.59E-03	3.35E-04	1.71E-03	2.08E-04
555	437103.2	3725722	1.65E-03	3.48E-04	1.78E-03	2.16E-04
556	437050	3725723	1.34E-03	2.83E-04	1.44E-03	1.75E-04
557	437032.1	3725763	1.24E-03	2.60E-04	1.33E-03	1.60E-04
558	436990.7	3725777	1.10E-03	2.31E-04	1.18E-03	1.42E-04
559	437002.5	3725790	1.13E-03	2.36E-04	1.21E-03	1.45E-04
560	437014.3	3725803	1.15E-03	2.41E-04	1.23E-03	1.48E-04
561	437026.1	3725816	1.18E-03	2.47E-04	1.27E-03	1.52E-04
562	436961.1	3725804	1.02E-03	2.13E-04	1.09E-03	1.31E-04
563	436972.9	3725817	1.04E-03	2.17E-04	1.11E-03	1.33E-04
564	436984.7	3725830	1.06E-03	2.21E-04	1.13E-03	1.36E-04
565	436996.5	3725843	1.08E-03	2.26E-04	1.16E-03	1.39E-04
566	436931.4	3725831	9.33E-04	1.95E-04	1.00E-03	1.20E-04
567	436943.2	3725844	9.54E-04	2.00E-04	1.02E-03	1.22E-04

568	436955	3725857	9.77E-04	2.05E-04	1.05E-03	1.25E-04
569	436966.9	3725870	1.00E-03	2.09E-04	1.07E-03	1.28E-04
570	436901.8	3725858	8.61E-04	1.80E-04	9.25E-04	1.10E-04
571	436913.6	3725871	8.84E-04	1.85E-04	9.50E-04	1.13E-04
572	436925.4	3725884	9.09E-04	1.90E-04	9.77E-04	1.16E-04
573	436937.2	3725897	9.33E-04	1.95E-04	1.00E-03	1.20E-04
574	436872.1	3725884	8.04E-04	1.68E-04	8.63E-04	1.03E-04
575	436884	3725897	8.26E-04	1.73E-04	8.87E-04	1.05E-04
576	436895.8	3725910	8.50E-04	1.78E-04	9.13E-04	1.09E-04
577	436907.6	3725923	8.74E-04	1.83E-04	9.38E-04	1.12E-04
578	436842.5	3725911	7.53E-04	1.57E-04	8.09E-04	9.59E-05
579	436854.3	3725924	7.73E-04	1.61E-04	8.30E-04	9.84E-05
580	436866.1	3725937	7.95E-04	1.66E-04	8.54E-04	1.01E-04
581	436877.9	3725950	8.17E-04	1.71E-04	8.77E-04	1.04E-04
582	436812.9	3725938	7.10E-04	1.48E-04	7.62E-04	9.02E-05
583	436824.7	3725951	7.29E-04	1.52E-04	7.83E-04	9.27E-05
584	436836.5	3725964	7.49E-04	1.56E-04	8.04E-04	9.52E-05
585	436848.3	3725977	7.68E-04	1.60E-04	8.25E-04	9.78E-05
586	436967.7	3725574	1.13E-03	2.37E-04	1.21E-03	1.46E-04
587	436930.8	3725590	9.92E-04	2.08E-04	1.07E-03	1.28E-04
588	436893.9	3725605	8.91E-04	1.87E-04	9.58E-04	1.14E-04
589	436857	3725621	8.07E-04	1.69E-04	8.67E-04	1.03E-04
590	436820.1	3725636	7.49E-04	1.57E-04	8.05E-04	9.55E-05
591	436730.3	3725022	6.16E-04	1.28E-04	6.62E-04	7.75E-05
592	436692.6	3725009	5.77E-04	1.20E-04	6.19E-04	7.25E-05
593	436654.9	3724995	5.35E-04	1.11E-04	5.74E-04	6.72E-05
594	437486.3	3725583	5.25E-02	1.17E-02	5.69E-02	7.86E-03
595	437493.7	3725589	5.11E-02	1.14E-02	5.54E-02	7.64E-03
596	437501.1	3725596	4.97E-02	1.10E-02	5.39E-02	7.41E-03
597	437508.5	3725602	4.85E-02	1.07E-02	5.25E-02	7.20E-03
598	437436.4	3725567	3.81E-02	8.47E-03	4.13E-02	5.71E-03
599	437443.8	3725573	3.82E-02	8.48E-03	4.14E-02	5.71E-03
600	437451.2	3725579	3.82E-02	8.49E-03	4.15E-02	5.71E-03
601	437458.6	3725586	3.82E-02	8.48E-03	4.14E-02	5.69E-03
602	437466	3725592	3.81E-02	8.44E-03	4.13E-02	5.67E-03
603	437473.4	3725598	3.77E-02	8.35E-03	4.09E-02	5.60E-03
604	437480.7	3725605	3.71E-02	8.22E-03	4.02E-02	5.50E-03
605	437488.1	3725611	3.66E-02	8.09E-03	3.96E-02	5.41E-03
606	437495.5	3725617	3.61E-02	7.97E-03	3.91E-02	5.32E-03
607	437396.3	3725555	2.60E-02	5.76E-03	2.82E-02	3.87E-03
608	437401.3	3725563	2.53E-02	5.61E-03	2.74E-02	3.76E-03
609	437408.7	3725570	2.57E-02	5.69E-03	2.79E-02	3.81E-03
610	437423.5	3725582	2.66E-02	5.89E-03	2.88E-02	3.95E-03
611	437430.8	3725588	2.70E-02	5.97E-03	2.92E-02	3.99E-03
612	437438.2	3725595	2.72E-02	6.02E-03	2.95E-02	4.03E-03
613	437445.6	3725601	2.74E-02	6.06E-03	2.97E-02	4.05E-03
614	437453	3725607	2.75E-02	6.08E-03	2.98E-02	4.06E-03
615	437460.4	3725614	2.76E-02	6.09E-03	2.99E-02	4.06E-03
616	437467.8	3725620	2.77E-02	6.10E-03	3.00E-02	4.06E-03
617	437475.2	3725626	2.76E-02	6.07E-03	2.98E-02	4.04E-03
618	437482.6	3725632	2.74E-02	6.03E-03	2.96E-02	4.01E-03
619	437376.9	3725578	1.60E-02	3.52E-03	1.73E-02	2.34E-03

620	437371.9	3725570	1.61E-02	3.54E-03	1.74E-02	2.35E-03
621	437366.9	3725563	1.61E-02	3.54E-03	1.74E-02	2.35E-03
622	437361.9	3725555	1.60E-02	3.51E-03	1.73E-02	2.33E-03
623	437381.9	3725586	1.59E-02	3.50E-03	1.72E-02	2.32E-03
624	437389.3	3725592	1.64E-02	3.60E-03	1.77E-02	2.38E-03
625	437396.6	3725599	1.67E-02	3.67E-03	1.80E-02	2.43E-03
626	437404	3725605	1.69E-02	3.72E-03	1.83E-02	2.46E-03
627	437455.8	3725649	1.88E-02	4.11E-03	2.03E-02	2.72E-03
628	437463.1	3725655	1.89E-02	4.13E-03	2.04E-02	2.72E-03
629	437357.5	3725601	1.12E-02	2.45E-03	1.21E-02	1.61E-03
630	437352.5	3725593	1.12E-02	2.45E-03	1.21E-02	1.61E-03
631	437362.4	3725609	1.12E-02	2.45E-03	1.21E-02	1.60E-03
632	437369.8	3725615	1.15E-02	2.50E-03	1.24E-02	1.64E-03
633	437377.2	3725622	1.17E-02	2.55E-03	1.26E-02	1.67E-03
634	437384.6	3725628	1.19E-02	2.60E-03	1.29E-02	1.71E-03
635	437392	3725634	1.22E-02	2.66E-03	1.32E-02	1.75E-03
636	437399.4	3725640	1.24E-02	2.72E-03	1.35E-02	1.78E-03
637	437421.5	3725659	1.32E-02	2.87E-03	1.42E-02	1.88E-03
638	437428.9	3725666	1.34E-02	2.93E-03	1.45E-02	1.92E-03
639	437436.3	3725672	1.36E-02	2.96E-03	1.47E-02	1.94E-03
640	437443.7	3725678	1.37E-02	3.00E-03	1.48E-02	1.96E-03
641	437296.5	3725559	7.35E-03	1.59E-03	7.94E-03	1.03E-03
642	437286.2	3725542	6.93E-03	1.50E-03	7.49E-03	9.71E-04
643	437343	3725632	8.56E-03	1.86E-03	9.25E-03	1.21E-03
644	437350.4	3725638	8.79E-03	1.91E-03	9.50E-03	1.24E-03
645	437357.8	3725644	8.99E-03	1.95E-03	9.71E-03	1.27E-03
646	437365.2	3725651	9.17E-03	1.99E-03	9.91E-03	1.30E-03
647	437372.6	3725657	9.32E-03	2.03E-03	1.01E-02	1.32E-03
648	437380	3725663	9.47E-03	2.06E-03	1.02E-02	1.34E-03
649	437387.3	3725670	9.67E-03	2.10E-03	1.04E-02	1.37E-03
650	437409.5	3725688	1.02E-02	2.21E-03	1.10E-02	1.44E-03
651	437416.9	3725695	1.03E-02	2.24E-03	1.12E-02	1.46E-03
652	437424.3	3725701	1.05E-02	2.28E-03	1.13E-02	1.48E-03
653	437303	3725622	6.55E-03	1.42E-03	7.08E-03	9.14E-04
654	437297.9	3725614	6.43E-03	1.39E-03	6.94E-03	8.96E-04
655	437292.8	3725606	6.29E-03	1.36E-03	6.79E-03	8.76E-04
656	437287.6	3725598	6.14E-03	1.33E-03	6.63E-03	8.55E-04
657	437267.1	3725566	5.56E-03	1.20E-03	6.00E-03	7.69E-04
658	437256.9	3725550	5.30E-03	1.14E-03	5.71E-03	7.30E-04
659	437251.7	3725541	5.14E-03	1.11E-03	5.55E-03	7.08E-04
660	437338.4	3725667	7.27E-03	1.57E-03	7.85E-03	1.02E-03
661	437345.7	3725674	7.43E-03	1.61E-03	8.02E-03	1.04E-03
662	437353.1	3725680	7.56E-03	1.64E-03	8.17E-03	1.06E-03
663	437360.5	3725686	7.68E-03	1.66E-03	8.29E-03	1.07E-03
664	437367.9	3725692	7.80E-03	1.69E-03	8.42E-03	1.09E-03
665	437375.3	3725699	7.92E-03	1.71E-03	8.55E-03	1.11E-03
666	437382.7	3725705	8.05E-03	1.74E-03	8.69E-03	1.13E-03
667	437283.7	3725645	5.31E-03	1.14E-03	5.73E-03	7.32E-04
668	437278.6	3725637	5.21E-03	1.12E-03	5.62E-03	7.18E-04
669	437273.5	3725629	5.11E-03	1.10E-03	5.51E-03	7.03E-04
670	437268.4	3725621	5.00E-03	1.07E-03	5.39E-03	6.88E-04
671	437263.3	3725613	4.89E-03	1.05E-03	5.27E-03	6.72E-04

672	437253.1	3725597	4.64E-03	9.96E-04	5.00E-03	6.36E-04
673	437232.7	3725565	4.17E-03	8.94E-04	4.50E-03	5.69E-04
674	437227.6	3725557	4.07E-03	8.72E-04	4.39E-03	5.54E-04
675	437222.4	3725549	3.97E-03	8.50E-04	4.29E-03	5.40E-04
676	437217.3	3725541	3.87E-03	8.28E-04	4.17E-03	5.25E-04
677	437333.7	3725703	6.25E-03	1.35E-03	6.75E-03	8.66E-04
678	437370.7	3725734	6.79E-03	1.46E-03	7.33E-03	9.42E-04
679	437378	3725740	6.89E-03	1.48E-03	7.43E-03	9.55E-04
680	437279.6	3725692	4.55E-03	9.75E-04	4.90E-03	6.21E-04
681	437274.6	3725684	4.49E-03	9.61E-04	4.84E-03	6.13E-04
682	437269.5	3725676	4.42E-03	9.48E-04	4.77E-03	6.04E-04
683	437249.1	3725644	4.13E-03	8.85E-04	4.46E-03	5.63E-04
684	437244.1	3725636	4.06E-03	8.69E-04	4.37E-03	5.52E-04
685	437223.7	3725604	3.71E-03	7.92E-04	4.00E-03	5.03E-04
686	437218.6	3725596	3.62E-03	7.74E-04	3.90E-03	4.90E-04
687	437213.5	3725588	3.54E-03	7.56E-04	3.82E-03	4.79E-04
688	437198.3	3725564	3.30E-03	7.03E-04	3.55E-03	4.44E-04
689	437193.2	3725556	3.21E-03	6.85E-04	3.46E-03	4.32E-04
690	437188.1	3725548	3.13E-03	6.67E-04	3.37E-03	4.20E-04
691	437284.7	3725700	4.61E-03	9.88E-04	4.97E-03	6.30E-04
692	437292.1	3725707	4.76E-03	1.02E-03	5.14E-03	6.52E-04
693	437299.5	3725713	4.92E-03	1.05E-03	5.30E-03	6.73E-04
694	437336.4	3725744	5.53E-03	1.19E-03	5.97E-03	7.60E-04
695	437343.8	3725751	5.62E-03	1.21E-03	6.06E-03	7.72E-04
696	437351.2	3725757	5.70E-03	1.23E-03	6.15E-03	7.84E-04
697	437358.6	3725763	5.78E-03	1.24E-03	6.23E-03	7.94E-04
698	437366	3725770	5.85E-03	1.26E-03	6.31E-03	8.04E-04
699	437260.2	3725715	3.80E-03	8.12E-04	4.09E-03	5.15E-04
700	437255.2	3725707	3.75E-03	8.01E-04	4.04E-03	5.08E-04
701	437250.1	3725699	3.70E-03	7.90E-04	3.99E-03	5.01E-04
702	437245	3725691	3.64E-03	7.78E-04	3.93E-03	4.93E-04
703	437240	3725683	3.59E-03	7.66E-04	3.87E-03	4.85E-04
704	437234.9	3725675	3.53E-03	7.53E-04	3.80E-03	4.77E-04
705	437229.8	3725667	3.47E-03	7.40E-04	3.74E-03	4.68E-04
706	437209.6	3725635	3.22E-03	6.87E-04	3.47E-03	4.34E-04
707	437204.5	3725627	3.16E-03	6.74E-04	3.41E-03	4.25E-04
708	437199.5	3725620	3.10E-03	6.60E-04	3.34E-03	4.17E-04
709	437194.4	3725612	3.03E-03	6.46E-04	3.27E-03	4.07E-04
710	437164	3725564	2.66E-03	5.66E-04	2.87E-03	3.55E-04
711	437158.9	3725556	2.60E-03	5.52E-04	2.80E-03	3.46E-04
712	437153.9	3725548	2.53E-03	5.38E-04	2.73E-03	3.37E-04
713	437265.3	3725723	3.85E-03	8.22E-04	4.15E-03	5.21E-04
714	437294.9	3725748	4.34E-03	9.28E-04	4.68E-03	5.90E-04
715	437324.4	3725774	4.71E-03	1.01E-03	5.07E-03	6.41E-04
716	437331.8	3725780	4.78E-03	1.02E-03	5.15E-03	6.51E-04
717	437339.2	3725786	4.85E-03	1.04E-03	5.23E-03	6.61E-04
718	437346.6	3725792	4.91E-03	1.05E-03	5.30E-03	6.69E-04
719	437225.7	3725714	3.10E-03	6.61E-04	3.34E-03	4.17E-04
720	437220.6	3725706	3.06E-03	6.51E-04	3.30E-03	4.11E-04
721	437215.6	3725698	3.01E-03	6.41E-04	3.25E-03	4.04E-04
722	437210.5	3725690	2.97E-03	6.31E-04	3.20E-03	3.98E-04
723	437205.5	3725683	2.92E-03	6.21E-04	3.14E-03	3.91E-04

724	437200.4	3725675	2.87E-03	6.10E-04	3.09E-03	3.84E-04
725	437175.2	3725635	2.60E-03	5.53E-04	2.80E-03	3.47E-04
726	437170.2	3725627	2.54E-03	5.40E-04	2.74E-03	3.39E-04
727	437165.1	3725619	2.50E-03	5.31E-04	2.69E-03	3.33E-04
728	437160.1	3725611	2.46E-03	5.21E-04	2.64E-03	3.27E-04
729	437155	3725603	2.41E-03	5.11E-04	2.59E-03	3.20E-04
730	437150	3725595	2.36E-03	5.01E-04	2.54E-03	3.14E-04
731	437134.8	3725571	2.23E-03	4.73E-04	2.40E-03	2.96E-04
732	437129.8	3725563	2.19E-03	4.64E-04	2.36E-03	2.90E-04
733	437124.7	3725555	2.14E-03	4.54E-04	2.31E-03	2.83E-04
734	437245.9	3725746	3.27E-03	6.97E-04	3.53E-03	4.40E-04
735	437253.3	3725752	3.36E-03	7.16E-04	3.62E-03	4.52E-04
736	437260.6	3725759	3.45E-03	7.36E-04	3.72E-03	4.65E-04
737	437268	3725765	3.55E-03	7.57E-04	3.83E-03	4.79E-04
738	437275.4	3725771	3.65E-03	7.78E-04	3.93E-03	4.92E-04
739	437282.8	3725778	3.74E-03	7.98E-04	4.03E-03	5.04E-04
740	437312.4	3725803	4.02E-03	8.58E-04	4.33E-03	5.43E-04
741	437319.8	3725809	4.09E-03	8.73E-04	4.41E-03	5.53E-04
742	437327.1	3725815	4.15E-03	8.86E-04	4.47E-03	5.61E-04
743	437221.3	3725761	2.80E-03	5.95E-04	3.02E-03	3.74E-04
744	437216.1	3725753	2.77E-03	5.88E-04	2.98E-03	3.69E-04
745	437210.9	3725745	2.73E-03	5.80E-04	2.94E-03	3.64E-04
746	437205.7	3725736	2.69E-03	5.72E-04	2.90E-03	3.59E-04
747	437169.5	3725679	2.41E-03	5.10E-04	2.59E-03	3.20E-04
748	437164.3	3725671	2.36E-03	5.01E-04	2.54E-03	3.13E-04
749	437159.2	3725663	2.32E-03	4.91E-04	2.49E-03	3.07E-04
750	437154	3725655	2.27E-03	4.82E-04	2.45E-03	3.01E-04
751	437148.8	3725647	2.23E-03	4.72E-04	2.40E-03	2.95E-04
752	437143.6	3725638	2.18E-03	4.62E-04	2.35E-03	2.89E-04
753	437138.5	3725630	2.14E-03	4.53E-04	2.30E-03	2.83E-04
754	437133.3	3725622	2.10E-03	4.45E-04	2.26E-03	2.78E-04
755	437102.2	3725573	1.88E-03	3.98E-04	2.03E-03	2.48E-04
756	437307.7	3725838	3.54E-03	7.53E-04	3.81E-03	4.75E-04
757	437176.1	3725743	2.29E-03	4.86E-04	2.47E-03	3.04E-04
758	437170.9	3725735	2.26E-03	4.78E-04	2.43E-03	2.99E-04
759	437165.8	3725727	2.22E-03	4.70E-04	2.39E-03	2.94E-04
760	437160.6	3725719	2.18E-03	4.62E-04	2.35E-03	2.89E-04
761	437140	3725686	2.04E-03	4.32E-04	2.20E-03	2.70E-04
762	437134.9	3725678	2.01E-03	4.25E-04	2.16E-03	2.65E-04
763	437129.7	3725670	1.98E-03	4.18E-04	2.13E-03	2.61E-04
764	437098.8	3725621	1.79E-03	3.78E-04	1.93E-03	2.35E-04
765	437093.6	3725613	1.76E-03	3.72E-04	1.89E-03	2.31E-04
766	437088.5	3725605	1.73E-03	3.66E-04	1.86E-03	2.27E-04
767	437083.3	3725597	1.70E-03	3.59E-04	1.83E-03	2.23E-04
768	437176	3725814	2.08E-03	4.39E-04	2.24E-03	2.74E-04
769	437170.9	3725806	2.06E-03	4.35E-04	2.21E-03	2.71E-04
770	437165.9	3725798	2.03E-03	4.30E-04	2.19E-03	2.68E-04
771	437160.8	3725790	2.01E-03	4.25E-04	2.16E-03	2.65E-04
772	437155.7	3725782	1.99E-03	4.20E-04	2.14E-03	2.61E-04
773	437125.2	3725734	1.81E-03	3.82E-04	1.95E-03	2.37E-04
774	437120.1	3725726	1.78E-03	3.75E-04	1.91E-03	2.33E-04
775	437115	3725718	1.75E-03	3.69E-04	1.88E-03	2.29E-04

776	437109.9	3725710	1.72E-03	3.64E-04	1.85E-03	2.26E-04
777	437104.8	3725702	1.70E-03	3.59E-04	1.83E-03	2.23E-04
778	437099.8	3725694	1.68E-03	3.54E-04	1.80E-03	2.20E-04
779	437094.7	3725686	1.65E-03	3.49E-04	1.78E-03	2.16E-04
780	437089.6	3725678	1.63E-03	3.44E-04	1.75E-03	2.13E-04
781	437084.5	3725670	1.61E-03	3.39E-04	1.73E-03	2.10E-04
782	437079.4	3725662	1.59E-03	3.35E-04	1.71E-03	2.08E-04
783	437059.1	3725630	1.51E-03	3.18E-04	1.62E-03	1.97E-04
784	437054	3725622	1.49E-03	3.14E-04	1.60E-03	1.94E-04
785	437048.9	3725614	1.47E-03	3.09E-04	1.58E-03	1.91E-04
786	437181.1	3725822	2.10E-03	4.43E-04	2.26E-03	2.76E-04
787	437188.5	3725829	2.14E-03	4.53E-04	2.31E-03	2.82E-04
788	437195.9	3725835	2.19E-03	4.63E-04	2.35E-03	2.88E-04
789	437203.3	3725841	2.23E-03	4.72E-04	2.40E-03	2.95E-04
790	437210.7	3725847	2.28E-03	4.82E-04	2.45E-03	3.01E-04
791	437218.1	3725854	2.32E-03	4.91E-04	2.50E-03	3.07E-04
792	437225.4	3725860	2.36E-03	5.00E-04	2.54E-03	3.12E-04
793	437232.8	3725866	2.40E-03	5.08E-04	2.58E-03	3.17E-04
794	437240.2	3725873	2.44E-03	5.16E-04	2.62E-03	3.22E-04
795	437247.6	3725879	2.48E-03	5.24E-04	2.66E-03	3.27E-04
796	437255	3725885	2.51E-03	5.32E-04	2.70E-03	3.32E-04
797	437262.4	3725891	2.55E-03	5.39E-04	2.74E-03	3.37E-04
798	437150.1	3725845	1.79E-03	3.78E-04	1.93E-03	2.35E-04
799	437144.9	3725837	1.78E-03	3.74E-04	1.91E-03	2.32E-04
800	437119.2	3725796	1.67E-03	3.52E-04	1.80E-03	2.18E-04
801	437114	3725788	1.64E-03	3.46E-04	1.77E-03	2.15E-04
802	437108.9	3725780	1.62E-03	3.41E-04	1.74E-03	2.11E-04
803	437103.8	3725772	1.59E-03	3.35E-04	1.71E-03	2.08E-04
804	437072.9	3725723	1.46E-03	3.07E-04	1.57E-03	1.90E-04
805	437052.3	3725691	1.39E-03	2.94E-04	1.50E-03	1.81E-04
806	437047.2	3725682	1.38E-03	2.90E-04	1.48E-03	1.79E-04
807	437042	3725674	1.37E-03	2.87E-04	1.47E-03	1.78E-04
808	437036.9	3725666	1.35E-03	2.84E-04	1.45E-03	1.75E-04
809	437031.7	3725658	1.34E-03	2.81E-04	1.44E-03	1.73E-04
810	437026.6	3725650	1.32E-03	2.77E-04	1.42E-03	1.71E-04
811	437155.2	3725853	1.81E-03	3.81E-04	1.94E-03	2.37E-04
812	437162.6	3725859	1.84E-03	3.89E-04	1.98E-03	2.41E-04
813	437170	3725865	1.88E-03	3.97E-04	2.02E-03	2.46E-04
814	437177.4	3725872	1.92E-03	4.04E-04	2.06E-03	2.51E-04
815	437184.8	3725878	1.95E-03	4.12E-04	2.10E-03	2.56E-04
816	437192.1	3725884	1.99E-03	4.19E-04	2.14E-03	2.60E-04
817	437199.5	3725891	2.02E-03	4.26E-04	2.17E-03	2.65E-04
818	437206.9	3725897	2.05E-03	4.33E-04	2.20E-03	2.69E-04
819	437214.3	3725903	2.08E-03	4.39E-04	2.24E-03	2.73E-04
820	437221.7	3725909	2.11E-03	4.45E-04	2.27E-03	2.77E-04
821	437229.1	3725916	2.14E-03	4.52E-04	2.30E-03	2.81E-04
822	437236.5	3725922	2.17E-03	4.58E-04	2.33E-03	2.85E-04
823	437124.2	3725875	1.57E-03	3.29E-04	1.68E-03	2.04E-04
824	437119.1	3725867	1.55E-03	3.27E-04	1.67E-03	2.02E-04
825	437114	3725859	1.54E-03	3.24E-04	1.65E-03	2.00E-04
826	437109	3725851	1.52E-03	3.21E-04	1.64E-03	1.98E-04
827	437103.9	3725843	1.51E-03	3.17E-04	1.62E-03	1.96E-04

828	437098.8	3725835	1.49E-03	3.13E-04	1.60E-03	1.94E-04
829	437093.7	3725827	1.47E-03	3.09E-04	1.58E-03	1.91E-04
830	437088.6	3725819	1.45E-03	3.04E-04	1.55E-03	1.88E-04
831	437027.6	3725723	1.26E-03	2.65E-04	1.35E-03	1.63E-04
832	437022.5	3725715	1.25E-03	2.62E-04	1.34E-03	1.62E-04
833	437017.4	3725707	1.24E-03	2.59E-04	1.33E-03	1.60E-04
834	437012.4	3725699	1.22E-03	2.57E-04	1.31E-03	1.58E-04
835	437007.3	3725691	1.21E-03	2.54E-04	1.30E-03	1.56E-04
836	437002.2	3725683	1.20E-03	2.51E-04	1.29E-03	1.55E-04
837	436997.1	3725675	1.18E-03	2.49E-04	1.27E-03	1.53E-04
838	436992	3725667	1.17E-03	2.46E-04	1.26E-03	1.51E-04
839	436986.9	3725659	1.16E-03	2.43E-04	1.25E-03	1.50E-04
840	436981.9	3725651	1.15E-03	2.40E-04	1.23E-03	1.48E-04
841	436936.1	3725579	1.01E-03	2.13E-04	1.09E-03	1.31E-04
842	436931	3725571	1.00E-03	2.10E-04	1.08E-03	1.29E-04
843	437129.3	3725883	1.58E-03	3.32E-04	1.70E-03	2.05E-04
844	437136.7	3725890	1.61E-03	3.38E-04	1.73E-03	2.09E-04
845	437144.1	3725896	1.64E-03	3.45E-04	1.76E-03	2.13E-04
846	437151.5	3725902	1.67E-03	3.51E-04	1.79E-03	2.17E-04
847	437158.9	3725908	1.70E-03	3.57E-04	1.82E-03	2.21E-04
848	437166.2	3725915	1.72E-03	3.63E-04	1.85E-03	2.25E-04
849	437173.6	3725921	1.75E-03	3.69E-04	1.88E-03	2.29E-04
850	437181	3725927	1.78E-03	3.75E-04	1.91E-03	2.32E-04
851	437188.4	3725934	1.80E-03	3.80E-04	1.94E-03	2.35E-04
852	437195.8	3725940	1.83E-03	3.85E-04	1.96E-03	2.39E-04
853	437203.2	3725946	1.85E-03	3.90E-04	1.99E-03	2.42E-04
854	437210.6	3725952	1.88E-03	3.96E-04	2.02E-03	2.45E-04
855	437098.3	3725906	1.38E-03	2.90E-04	1.49E-03	1.79E-04
856	437093.1	3725898	1.37E-03	2.88E-04	1.47E-03	1.77E-04
857	437088	3725890	1.36E-03	2.85E-04	1.46E-03	1.76E-04
858	437082.8	3725881	1.34E-03	2.82E-04	1.44E-03	1.74E-04
859	437077.7	3725873	1.33E-03	2.79E-04	1.43E-03	1.72E-04
860	437072.6	3725865	1.32E-03	2.77E-04	1.42E-03	1.70E-04
861	437067.4	3725857	1.30E-03	2.74E-04	1.40E-03	1.69E-04
862	437062.3	3725849	1.29E-03	2.71E-04	1.39E-03	1.67E-04
863	437057.2	3725841	1.28E-03	2.68E-04	1.37E-03	1.65E-04
864	437052	3725833	1.26E-03	2.65E-04	1.36E-03	1.63E-04
865	437046.9	3725825	1.25E-03	2.62E-04	1.34E-03	1.61E-04
866	437041.7	3725817	1.23E-03	2.59E-04	1.33E-03	1.59E-04
867	437036.6	3725808	1.22E-03	2.56E-04	1.31E-03	1.58E-04
868	437031.5	3725800	1.21E-03	2.53E-04	1.30E-03	1.56E-04
869	437026.3	3725792	1.19E-03	2.50E-04	1.28E-03	1.54E-04
870	437021.2	3725784	1.18E-03	2.48E-04	1.27E-03	1.53E-04
871	437016	3725776	1.17E-03	2.46E-04	1.26E-03	1.51E-04
872	437010.9	3725768	1.16E-03	2.44E-04	1.25E-03	1.50E-04
873	437005.8	3725760	1.15E-03	2.42E-04	1.24E-03	1.49E-04
874	436974.9	3725711	1.10E-03	2.30E-04	1.18E-03	1.41E-04
875	436969.8	3725703	1.09E-03	2.28E-04	1.17E-03	1.40E-04
876	436964.7	3725695	1.07E-03	2.25E-04	1.16E-03	1.38E-04
877	436959.5	3725687	1.06E-03	2.23E-04	1.14E-03	1.37E-04
878	436954.4	3725679	1.05E-03	2.21E-04	1.13E-03	1.36E-04
879	436903	3725598	9.15E-04	1.91E-04	9.83E-04	1.17E-04

880	436897.9	3725590	9.03E-04	1.89E-04	9.70E-04	1.16E-04
881	436892.7	3725582	8.91E-04	1.86E-04	9.57E-04	1.14E-04
882	436887.6	3725574	8.79E-04	1.84E-04	9.45E-04	1.13E-04
883	437103.4	3725914	1.39E-03	2.93E-04	1.50E-03	1.81E-04
884	437110.8	3725920	1.42E-03	2.98E-04	1.52E-03	1.84E-04
885	437118.2	3725926	1.44E-03	3.03E-04	1.55E-03	1.87E-04
886	437125.6	3725933	1.47E-03	3.09E-04	1.58E-03	1.90E-04
887	437133	3725939	1.49E-03	3.13E-04	1.60E-03	1.94E-04
888	437140.3	3725945	1.51E-03	3.18E-04	1.63E-03	1.96E-04
889	437147.7	3725951	1.53E-03	3.23E-04	1.65E-03	1.99E-04
890	437155.1	3725958	1.56E-03	3.27E-04	1.67E-03	2.02E-04
891	437162.5	3725964	1.58E-03	3.31E-04	1.69E-03	2.05E-04
892	437169.9	3725970	1.60E-03	3.35E-04	1.71E-03	2.07E-04
893	437177.3	3725977	1.61E-03	3.39E-04	1.73E-03	2.10E-04
894	437184.7	3725983	1.63E-03	3.43E-04	1.75E-03	2.12E-04
895	437072.3	3725936	1.25E-03	2.62E-04	1.34E-03	1.61E-04
896	437067.1	3725928	1.24E-03	2.60E-04	1.33E-03	1.60E-04
897	437061.9	3725920	1.23E-03	2.58E-04	1.32E-03	1.59E-04
898	437056.7	3725912	1.22E-03	2.56E-04	1.31E-03	1.57E-04
899	437051.6	3725903	1.21E-03	2.53E-04	1.30E-03	1.56E-04
900	437046.4	3725895	1.19E-03	2.51E-04	1.28E-03	1.54E-04
901	437041.2	3725887	1.18E-03	2.48E-04	1.27E-03	1.53E-04
902	437036	3725879	1.17E-03	2.46E-04	1.26E-03	1.51E-04
903	437030.8	3725871	1.16E-03	2.44E-04	1.25E-03	1.50E-04
904	437025.6	3725862	1.15E-03	2.41E-04	1.24E-03	1.48E-04
905	437020.4	3725854	1.14E-03	2.38E-04	1.22E-03	1.47E-04
906	437015.2	3725846	1.13E-03	2.36E-04	1.21E-03	1.45E-04
907	437010	3725838	1.11E-03	2.34E-04	1.20E-03	1.44E-04
908	437004.9	3725830	1.11E-03	2.32E-04	1.19E-03	1.43E-04
909	436999.7	3725822	1.10E-03	2.30E-04	1.18E-03	1.42E-04
910	436994.5	3725813	1.09E-03	2.29E-04	1.17E-03	1.41E-04
911	436989.3	3725805	1.09E-03	2.28E-04	1.17E-03	1.40E-04
912	436984.1	3725797	1.08E-03	2.25E-04	1.16E-03	1.39E-04
913	436978.9	3725789	1.07E-03	2.23E-04	1.14E-03	1.37E-04
914	436973.7	3725781	1.05E-03	2.21E-04	1.13E-03	1.36E-04
915	436968.5	3725773	1.04E-03	2.19E-04	1.12E-03	1.34E-04
916	436963.4	3725764	1.04E-03	2.17E-04	1.11E-03	1.33E-04
917	436958.2	3725756	1.03E-03	2.15E-04	1.10E-03	1.32E-04
918	436927	3725707	9.76E-04	2.04E-04	1.05E-03	1.25E-04
919	436921.9	3725699	9.70E-04	2.03E-04	1.04E-03	1.25E-04
920	436875.2	3725625	8.44E-04	1.76E-04	9.06E-04	1.08E-04
921	436870	3725617	8.33E-04	1.74E-04	8.95E-04	1.07E-04
922	436864.8	3725609	8.24E-04	1.72E-04	8.85E-04	1.05E-04
923	436859.6	3725601	8.15E-04	1.70E-04	8.75E-04	1.04E-04
924	436854.4	3725593	8.05E-04	1.68E-04	8.65E-04	1.03E-04
925	436849.2	3725584	7.95E-04	1.66E-04	8.54E-04	1.02E-04
926	436844	3725576	7.85E-04	1.64E-04	8.43E-04	1.00E-04
927	436838.8	3725568	7.75E-04	1.62E-04	8.33E-04	9.90E-05
928	437077.5	3725944	1.26E-03	2.64E-04	1.35E-03	1.63E-04
929	437084.9	3725951	1.28E-03	2.68E-04	1.37E-03	1.65E-04
930	437092.3	3725957	1.30E-03	2.72E-04	1.39E-03	1.68E-04
931	437099.7	3725963	1.32E-03	2.76E-04	1.41E-03	1.70E-04

932	437107	3725969	1.33E-03	2.80E-04	1.43E-03	1.72E-04
933	437114.4	3725976	1.35E-03	2.83E-04	1.45E-03	1.74E-04
934	437121.8	3725982	1.37E-03	2.87E-04	1.47E-03	1.77E-04
935	437129.2	3725988	1.38E-03	2.90E-04	1.48E-03	1.78E-04
936	437136.6	3725995	1.39E-03	2.93E-04	1.50E-03	1.80E-04
937	437144	3726001	1.41E-03	2.96E-04	1.52E-03	1.83E-04
938	437151.4	3726007	1.43E-03	3.00E-04	1.54E-03	1.85E-04
939	437158.8	3726013	1.45E-03	3.04E-04	1.55E-03	1.87E-04
940	437046.5	3725967	1.17E-03	2.46E-04	1.26E-03	1.51E-04
941	437041.3	3725959	1.16E-03	2.44E-04	1.25E-03	1.50E-04
942	437036.2	3725950	1.15E-03	2.41E-04	1.24E-03	1.48E-04
943	437031.1	3725942	1.14E-03	2.39E-04	1.23E-03	1.47E-04
944	437025.9	3725934	1.13E-03	2.37E-04	1.21E-03	1.45E-04
945	437020.8	3725926	1.12E-03	2.34E-04	1.20E-03	1.44E-04
946	437015.7	3725918	1.11E-03	2.32E-04	1.19E-03	1.42E-04
947	437010.5	3725910	1.10E-03	2.29E-04	1.18E-03	1.41E-04
948	437005.4	3725902	1.08E-03	2.27E-04	1.16E-03	1.39E-04
949	437000.3	3725894	1.07E-03	2.25E-04	1.15E-03	1.38E-04
950	436995.1	3725886	1.06E-03	2.23E-04	1.14E-03	1.37E-04
951	436990	3725878	1.05E-03	2.20E-04	1.13E-03	1.35E-04
952	436984.9	3725870	1.04E-03	2.18E-04	1.12E-03	1.34E-04
953	436979.7	3725861	1.03E-03	2.16E-04	1.11E-03	1.32E-04
954	436974.6	3725853	1.02E-03	2.14E-04	1.10E-03	1.31E-04
955	436969.5	3725845	1.01E-03	2.12E-04	1.09E-03	1.30E-04
956	436964.3	3725837	1.00E-03	2.10E-04	1.08E-03	1.29E-04
957	436959.2	3725829	9.97E-04	2.09E-04	1.07E-03	1.28E-04
958	436954.1	3725821	9.90E-04	2.07E-04	1.06E-03	1.27E-04
959	436948.9	3725813	9.83E-04	2.06E-04	1.06E-03	1.26E-04
960	436943.8	3725805	9.75E-04	2.04E-04	1.05E-03	1.25E-04
961	436938.7	3725797	9.66E-04	2.02E-04	1.04E-03	1.24E-04
962	436933.5	3725789	9.57E-04	2.00E-04	1.03E-03	1.23E-04
963	436928.4	3725781	9.48E-04	1.98E-04	1.02E-03	1.22E-04
964	436923.3	3725772	9.41E-04	1.97E-04	1.01E-03	1.21E-04
965	436918.1	3725764	9.34E-04	1.95E-04	1.00E-03	1.20E-04
966	436913	3725756	9.26E-04	1.94E-04	9.95E-04	1.19E-04
967	436841.1	3725643	7.85E-04	1.64E-04	8.43E-04	1.00E-04
968	436836	3725635	7.72E-04	1.61E-04	8.30E-04	9.86E-05
969	436830.9	3725627	7.62E-04	1.59E-04	8.18E-04	9.71E-05
970	436825.7	3725619	7.54E-04	1.57E-04	8.10E-04	9.61E-05
971	436820.6	3725611	7.46E-04	1.56E-04	8.01E-04	9.51E-05
972	436815.5	3725602	7.38E-04	1.54E-04	7.92E-04	9.40E-05
973	437051.6	3725975	1.18E-03	2.48E-04	1.27E-03	1.52E-04
974	437059	3725981	1.20E-03	2.51E-04	1.29E-03	1.54E-04
975	437066.4	3725987	1.21E-03	2.54E-04	1.30E-03	1.56E-04
976	437073.8	3725994	1.22E-03	2.57E-04	1.31E-03	1.58E-04
977	437081.1	3726000	1.24E-03	2.59E-04	1.33E-03	1.59E-04
978	437088.5	3726006	1.25E-03	2.62E-04	1.34E-03	1.61E-04
979	437095.9	3726012	1.26E-03	2.64E-04	1.35E-03	1.62E-04
980	437103.3	3726019	1.27E-03	2.66E-04	1.36E-03	1.64E-04
981	437110.7	3726025	1.28E-03	2.69E-04	1.38E-03	1.65E-04
982	437118.1	3726031	1.29E-03	2.71E-04	1.39E-03	1.67E-04
983	437125.5	3726038	1.31E-03	2.74E-04	1.40E-03	1.68E-04

984	437132.9	3726044	1.32E-03	2.76E-04	1.42E-03	1.70E-04
985	437020.5	3725997	1.10E-03	2.30E-04	1.18E-03	1.41E-04
986	437015.3	3725989	1.09E-03	2.29E-04	1.17E-03	1.40E-04
987	437010.1	3725981	1.08E-03	2.27E-04	1.16E-03	1.39E-04
988	437005	3725973	1.07E-03	2.24E-04	1.15E-03	1.38E-04
989	436999.8	3725964	1.06E-03	2.22E-04	1.14E-03	1.36E-04
990	436994.6	3725956	1.05E-03	2.20E-04	1.13E-03	1.35E-04
991	436989.4	3725948	1.04E-03	2.18E-04	1.12E-03	1.34E-04
992	436984.3	3725940	1.03E-03	2.16E-04	1.11E-03	1.32E-04
993	436979.1	3725932	1.02E-03	2.14E-04	1.10E-03	1.31E-04
994	436973.9	3725924	1.01E-03	2.11E-04	1.09E-03	1.30E-04
995	436968.7	3725915	9.99E-04	2.09E-04	1.07E-03	1.28E-04
996	436963.5	3725907	9.89E-04	2.07E-04	1.06E-03	1.27E-04
997	436958.4	3725899	9.80E-04	2.05E-04	1.05E-03	1.26E-04
998	436953.2	3725891	9.69E-04	2.03E-04	1.04E-03	1.24E-04
999	436948	3725883	9.57E-04	2.00E-04	1.03E-03	1.23E-04
1000	436942.8	3725875	9.47E-04	1.98E-04	1.02E-03	1.21E-04
1001	436937.7	3725866	9.36E-04	1.96E-04	1.01E-03	1.20E-04
1002	436932.5	3725858	9.27E-04	1.94E-04	9.96E-04	1.19E-04
1003	436927.3	3725850	9.18E-04	1.92E-04	9.86E-04	1.18E-04
1004	436922.1	3725842	9.08E-04	1.90E-04	9.75E-04	1.16E-04
1005	436916.9	3725834	8.99E-04	1.88E-04	9.65E-04	1.15E-04
1006	436911.8	3725826	8.92E-04	1.87E-04	9.58E-04	1.14E-04
1007	436906.6	3725817	8.86E-04	1.85E-04	9.52E-04	1.13E-04
1008	436901.4	3725809	8.81E-04	1.84E-04	9.46E-04	1.13E-04
1009	436896.2	3725801	8.74E-04	1.83E-04	9.39E-04	1.12E-04
1010	436891	3725793	8.68E-04	1.81E-04	9.32E-04	1.11E-04
1011	436885.9	3725785	8.61E-04	1.80E-04	9.25E-04	1.10E-04
1012	436880.7	3725777	8.54E-04	1.79E-04	9.17E-04	1.09E-04
1013	436875.5	3725768	8.48E-04	1.77E-04	9.11E-04	1.08E-04
1014	436870.3	3725760	8.44E-04	1.76E-04	9.07E-04	1.08E-04
1015	436865.2	3725752	8.39E-04	1.75E-04	9.01E-04	1.07E-04
1016	436808.2	3725662	7.42E-04	1.55E-04	7.97E-04	9.46E-05
1017	437025.7	3726005	1.10E-03	2.30E-04	1.18E-03	1.41E-04
1018	437033.1	3726012	1.11E-03	2.33E-04	1.20E-03	1.43E-04
1019	437040.5	3726018	1.13E-03	2.36E-04	1.21E-03	1.45E-04
1020	437047.8	3726024	1.14E-03	2.38E-04	1.22E-03	1.46E-04
1021	437055.2	3726030	1.15E-03	2.40E-04	1.23E-03	1.47E-04
1022	437062.6	3726037	1.16E-03	2.42E-04	1.24E-03	1.49E-04
1023	437070	3726043	1.17E-03	2.44E-04	1.25E-03	1.50E-04
1024	437077.4	3726049	1.18E-03	2.47E-04	1.27E-03	1.51E-04
1025	437084.8	3726055	1.19E-03	2.49E-04	1.28E-03	1.53E-04
1026	437092.2	3726062	1.20E-03	2.51E-04	1.29E-03	1.54E-04
1027	437099.6	3726068	1.21E-03	2.53E-04	1.30E-03	1.55E-04
1028	437107	3726074	1.22E-03	2.55E-04	1.31E-03	1.57E-04
1029	436994.6	3726028	1.01E-03	2.11E-04	1.08E-03	1.29E-04
1030	436989.5	3726020	1.01E-03	2.11E-04	1.08E-03	1.29E-04
1031	436984.4	3726011	1.00E-03	2.10E-04	1.08E-03	1.29E-04
1032	436979.3	3726003	9.99E-04	2.09E-04	1.07E-03	1.28E-04
1033	436974.1	3725995	9.94E-04	2.08E-04	1.07E-03	1.27E-04
1034	436969	3725987	9.88E-04	2.07E-04	1.06E-03	1.26E-04
1035	436963.9	3725979	9.79E-04	2.05E-04	1.05E-03	1.25E-04

1036	436958.7	3725971	9.70E-04	2.03E-04	1.04E-03	1.24E-04
1037	436953.6	3725963	9.60E-04	2.01E-04	1.03E-03	1.23E-04
1038	436948.5	3725955	9.51E-04	1.99E-04	1.02E-03	1.22E-04
1039	436943.4	3725947	9.42E-04	1.97E-04	1.01E-03	1.21E-04
1040	436938.2	3725939	9.33E-04	1.95E-04	1.00E-03	1.19E-04
1041	436933.1	3725931	9.24E-04	1.93E-04	9.93E-04	1.18E-04
1042	436928	3725923	9.15E-04	1.91E-04	9.83E-04	1.17E-04
1043	436922.8	3725914	9.04E-04	1.89E-04	9.71E-04	1.16E-04
1044	436917.7	3725906	8.93E-04	1.87E-04	9.59E-04	1.14E-04
1045	436912.6	3725898	8.82E-04	1.84E-04	9.48E-04	1.13E-04
1046	436907.5	3725890	8.72E-04	1.82E-04	9.36E-04	1.11E-04
1047	436902.3	3725882	8.61E-04	1.80E-04	9.25E-04	1.10E-04
1048	436897.2	3725874	8.51E-04	1.78E-04	9.14E-04	1.09E-04
1049	436892.1	3725866	8.40E-04	1.76E-04	9.02E-04	1.07E-04
1050	436886.9	3725858	8.31E-04	1.74E-04	8.93E-04	1.06E-04
1051	436881.8	3725850	8.23E-04	1.72E-04	8.84E-04	1.05E-04
1052	436866.4	3725825	8.02E-04	1.68E-04	8.61E-04	1.02E-04
1053	436861.3	3725817	7.96E-04	1.66E-04	8.55E-04	1.02E-04
1054	436856.2	3725809	7.90E-04	1.65E-04	8.49E-04	1.01E-04
1055	436851	3725801	7.84E-04	1.64E-04	8.42E-04	1.00E-04
1056	436845.9	3725793	7.78E-04	1.63E-04	8.36E-04	9.92E-05
1057	436840.8	3725785	7.71E-04	1.61E-04	8.29E-04	9.84E-05
1058	436835.7	3725777	7.65E-04	1.60E-04	8.22E-04	9.75E-05
1059	436830.5	3725769	7.60E-04	1.59E-04	8.16E-04	9.69E-05
1060	436825.4	3725761	7.55E-04	1.58E-04	8.11E-04	9.62E-05
1061	436999.8	3726036	1.01E-03	2.12E-04	1.09E-03	1.30E-04
1062	437007.2	3726042	1.02E-03	2.14E-04	1.10E-03	1.31E-04
1063	437014.6	3726048	1.03E-03	2.15E-04	1.11E-03	1.32E-04
1064	437021.9	3726055	1.04E-03	2.17E-04	1.11E-03	1.33E-04
1065	437029.3	3726061	1.05E-03	2.19E-04	1.13E-03	1.34E-04
1066	437036.7	3726067	1.06E-03	2.21E-04	1.14E-03	1.35E-04
1067	437044.1	3726073	1.07E-03	2.23E-04	1.15E-03	1.37E-04
1068	437051.5	3726080	1.08E-03	2.25E-04	1.16E-03	1.38E-04
1069	437058.9	3726086	1.09E-03	2.28E-04	1.17E-03	1.40E-04
1070	437066.3	3726092	1.11E-03	2.32E-04	1.19E-03	1.42E-04
1071	437073.7	3726099	1.12E-03	2.35E-04	1.21E-03	1.44E-04
1072	437081.1	3726105	1.14E-03	2.38E-04	1.22E-03	1.46E-04
1073	436968.7	3726058	9.35E-04	1.95E-04	1.00E-03	1.19E-04
1074	436963.5	3726050	9.33E-04	1.95E-04	1.00E-03	1.19E-04
1075	436958.4	3726042	9.31E-04	1.95E-04	1.00E-03	1.19E-04
1076	436953.2	3726034	9.29E-04	1.94E-04	9.98E-04	1.19E-04
1077	436948	3726025	9.26E-04	1.94E-04	9.95E-04	1.18E-04
1078	436942.9	3726017	9.23E-04	1.93E-04	9.91E-04	1.18E-04
1079	436937.7	3726009	9.17E-04	1.92E-04	9.85E-04	1.17E-04
1080	436932.5	3726001	9.11E-04	1.90E-04	9.78E-04	1.16E-04
1081	436927.3	3725993	9.04E-04	1.89E-04	9.71E-04	1.15E-04
1082	436922.2	3725985	8.96E-04	1.87E-04	9.62E-04	1.14E-04
1083	436917	3725977	8.87E-04	1.85E-04	9.52E-04	1.13E-04
1084	436911.8	3725968	8.77E-04	1.83E-04	9.42E-04	1.12E-04
1085	436906.7	3725960	8.68E-04	1.81E-04	9.32E-04	1.11E-04
1086	436901.5	3725952	8.59E-04	1.79E-04	9.22E-04	1.10E-04
1087	436896.3	3725944	8.50E-04	1.78E-04	9.13E-04	1.09E-04

1088	436891.1	3725936	8.41E-04	1.76E-04	9.03E-04	1.07E-04
1089	436886	3725928	8.31E-04	1.74E-04	8.92E-04	1.06E-04
1090	436880.8	3725919	8.21E-04	1.72E-04	8.82E-04	1.05E-04
1091	436875.6	3725911	8.11E-04	1.69E-04	8.71E-04	1.03E-04
1092	436870.5	3725903	8.01E-04	1.67E-04	8.61E-04	1.02E-04
1093	436865.3	3725895	7.92E-04	1.65E-04	8.51E-04	1.01E-04
1094	436860.1	3725887	7.83E-04	1.64E-04	8.41E-04	9.98E-05
1095	436855	3725879	7.74E-04	1.62E-04	8.31E-04	9.86E-05
1096	436834.3	3725846	7.45E-04	1.56E-04	8.00E-04	9.49E-05
1097	436829.1	3725838	7.38E-04	1.54E-04	7.93E-04	9.40E-05
1098	436823.9	3725830	7.32E-04	1.53E-04	7.86E-04	9.32E-05
1099	436818.8	3725822	7.26E-04	1.52E-04	7.80E-04	9.24E-05
1100	436813.6	3725813	7.20E-04	1.50E-04	7.73E-04	9.16E-05
1101	436808.4	3725805	7.14E-04	1.49E-04	7.66E-04	9.08E-05
1102	436803.3	3725797	7.08E-04	1.48E-04	7.61E-04	9.01E-05
1103	436798.1	3725789	7.03E-04	1.47E-04	7.55E-04	8.94E-05
1104	436792.9	3725781	6.98E-04	1.46E-04	7.50E-04	8.88E-05
1105	436687.9	3725074	5.66E-04	1.18E-04	6.08E-04	7.13E-05
1106	436973.9	3726066	9.37E-04	1.96E-04	1.01E-03	1.20E-04
1107	436981.3	3726072	9.44E-04	1.97E-04	1.01E-03	1.21E-04
1108	436988.7	3726079	9.51E-04	1.99E-04	1.02E-03	1.21E-04
1109	436996	3726085	9.60E-04	2.01E-04	1.03E-03	1.23E-04
1110	437003.4	3726091	9.69E-04	2.03E-04	1.04E-03	1.24E-04
1111	437010.8	3726098	9.79E-04	2.05E-04	1.05E-03	1.25E-04
1112	437018.2	3726104	9.89E-04	2.07E-04	1.06E-03	1.26E-04
1113	437025.6	3726110	1.00E-03	2.09E-04	1.08E-03	1.28E-04
1114	437033	3726116	1.02E-03	2.12E-04	1.09E-03	1.30E-04
1115	437040.4	3726123	1.03E-03	2.15E-04	1.11E-03	1.32E-04
1116	437047.8	3726129	1.05E-03	2.18E-04	1.12E-03	1.34E-04
1117	437055.2	3726135	1.06E-03	2.22E-04	1.14E-03	1.36E-04
1118	436942.8	3726089	8.73E-04	1.82E-04	9.38E-04	1.11E-04
1119	436937.7	3726081	8.72E-04	1.82E-04	9.36E-04	1.11E-04
1120	436932.6	3726072	8.71E-04	1.82E-04	9.35E-04	1.11E-04
1121	436927.5	3726064	8.70E-04	1.82E-04	9.34E-04	1.11E-04
1122	436922.3	3726056	8.69E-04	1.81E-04	9.33E-04	1.11E-04
1123	436917.2	3726048	8.68E-04	1.81E-04	9.32E-04	1.11E-04
1124	436912.1	3726040	8.64E-04	1.80E-04	9.28E-04	1.10E-04
1125	436907	3726032	8.60E-04	1.80E-04	9.23E-04	1.10E-04
1126	436901.8	3726024	8.55E-04	1.79E-04	9.18E-04	1.09E-04
1127	436896.7	3726016	8.50E-04	1.77E-04	9.13E-04	1.08E-04
1128	436891.6	3726008	8.41E-04	1.76E-04	9.03E-04	1.07E-04
1129	436886.5	3726000	8.32E-04	1.74E-04	8.93E-04	1.06E-04
1130	436881.3	3725992	8.23E-04	1.72E-04	8.84E-04	1.05E-04
1131	436876.2	3725984	8.14E-04	1.70E-04	8.75E-04	1.04E-04
1132	436871.1	3725975	8.06E-04	1.68E-04	8.65E-04	1.03E-04
1133	436866	3725967	7.97E-04	1.66E-04	8.56E-04	1.02E-04
1134	436860.8	3725959	7.88E-04	1.64E-04	8.46E-04	1.00E-04
1135	436855.7	3725951	7.79E-04	1.63E-04	8.36E-04	9.92E-05
1136	436850.6	3725943	7.69E-04	1.60E-04	8.25E-04	9.79E-05
1137	436845.5	3725935	7.59E-04	1.58E-04	8.15E-04	9.66E-05
1138	436840.3	3725927	7.49E-04	1.56E-04	8.04E-04	9.53E-05
1139	436835.2	3725919	7.41E-04	1.55E-04	7.96E-04	9.43E-05

1140	436830.1	3725911	7.34E-04	1.53E-04	7.88E-04	9.34E-05
1141	436804.5	3725870	7.01E-04	1.46E-04	7.52E-04	8.91E-05
1142	436799.3	3725862	6.94E-04	1.45E-04	7.46E-04	8.83E-05
1143	436794.2	3725854	6.88E-04	1.44E-04	7.39E-04	8.75E-05
1144	436789.1	3725846	6.82E-04	1.42E-04	7.32E-04	8.67E-05
1145	436784	3725838	6.76E-04	1.41E-04	7.26E-04	8.59E-05
1146	436778.8	3725830	6.71E-04	1.40E-04	7.20E-04	8.52E-05
1147	436773.7	3725822	6.66E-04	1.39E-04	7.15E-04	8.46E-05
1148	436768.6	3725814	6.61E-04	1.38E-04	7.09E-04	8.39E-05
1149	436763.5	3725806	6.56E-04	1.37E-04	7.04E-04	8.33E-05
1150	436948	3726097	8.75E-04	1.83E-04	9.40E-04	1.12E-04
1151	436955.4	3726103	8.81E-04	1.84E-04	9.46E-04	1.12E-04
1152	436962.7	3726109	8.89E-04	1.86E-04	9.55E-04	1.13E-04
1153	436970.1	3726116	8.99E-04	1.88E-04	9.65E-04	1.15E-04
1154	436977.5	3726122	9.10E-04	1.90E-04	9.77E-04	1.16E-04
1155	436984.9	3726128	9.20E-04	1.92E-04	9.88E-04	1.17E-04
1156	436992.3	3726134	9.31E-04	1.94E-04	1.00E-03	1.19E-04
1157	436999.7	3726141	9.44E-04	1.97E-04	1.01E-03	1.20E-04
1158	437007.1	3726147	9.57E-04	2.00E-04	1.03E-03	1.22E-04
1159	437014.5	3726153	9.70E-04	2.03E-04	1.04E-03	1.24E-04
1160	437021.9	3726159	9.83E-04	2.05E-04	1.06E-03	1.26E-04
1161	437029.3	3726166	9.97E-04	2.08E-04	1.07E-03	1.27E-04
1162	437520.1	3725611	4.68E-02	1.03E-02	5.07E-02	6.92E-03
1163	437507.6	3725627	3.53E-02	7.78E-03	3.82E-02	5.18E-03
1164	437495	3725643	2.71E-02	5.96E-03	2.93E-02	3.95E-03
1165	437470.5	3725661	1.89E-02	4.14E-03	2.04E-02	2.73E-03
1166	437482.1	3725671	1.90E-02	4.16E-03	2.06E-02	2.74E-03
1167	437451.7	3725685	1.39E-02	3.02E-03	1.50E-02	1.98E-03
1168	437463.3	3725694	1.41E-02	3.06E-03	1.52E-02	2.00E-03
1169	437432.9	3725708	1.06E-02	2.31E-03	1.15E-02	1.50E-03
1170	437444.6	3725717	1.09E-02	2.35E-03	1.17E-02	1.53E-03
1171	437425.8	3725741	8.65E-03	1.87E-03	9.33E-03	1.21E-03
1172	437407.1	3725764	7.14E-03	1.54E-03	7.70E-03	9.88E-04
1173	437357.9	3725802	5.00E-03	1.07E-03	5.39E-03	6.81E-04
1174	437335.1	3725822	4.21E-03	9.00E-04	4.54E-03	5.70E-04
1175	437344.9	3725830	4.30E-03	9.17E-04	4.63E-03	5.81E-04
1176	437316.1	3725845	3.60E-03	7.67E-04	3.88E-03	4.84E-04
1177	437326.2	3725853	3.68E-03	7.83E-04	3.96E-03	4.94E-04
1178	437271.8	3725899	2.59E-03	5.49E-04	2.79E-03	3.43E-04
1179	437282.4	3725908	2.65E-03	5.61E-04	2.85E-03	3.51E-04
1180	437246.5	3725930	2.21E-03	4.67E-04	2.38E-03	2.91E-04
1181	437257.4	3725939	2.26E-03	4.77E-04	2.43E-03	2.97E-04
1182	437221.2	3725961	1.91E-03	4.03E-04	2.06E-03	2.50E-04
1183	437232.4	3725970	1.95E-03	4.10E-04	2.09E-03	2.54E-04
1184	437195.9	3725992	1.66E-03	3.50E-04	1.79E-03	2.16E-04
1185	437207.3	3726001	1.70E-03	3.57E-04	1.82E-03	2.20E-04
1186	437172.1	3726024	1.48E-03	3.10E-04	1.59E-03	1.91E-04
1187	437182.3	3726033	1.50E-03	3.16E-04	1.62E-03	1.95E-04
1188	437146.8	3726055	1.35E-03	2.82E-04	1.45E-03	1.74E-04
1189	437157.3	3726064	1.37E-03	2.86E-04	1.47E-03	1.76E-04
1190	437121.6	3726086	1.25E-03	2.61E-04	1.34E-03	1.60E-04
1191	437132.3	3726095	1.27E-03	2.65E-04	1.36E-03	1.63E-04

1192	437096.4	3726117	1.17E-03	2.44E-04	1.25E-03	1.50E-04
1193	437107.3	3726126	1.19E-03	2.48E-04	1.28E-03	1.52E-04
1194	437071.1	3726148	1.09E-03	2.28E-04	1.17E-03	1.40E-04
1195	437082.3	3726158	1.11E-03	2.33E-04	1.20E-03	1.43E-04
1196	437045.9	3726179	1.03E-03	2.15E-04	1.10E-03	1.31E-04
1197	437057.2	3726189	1.04E-03	2.18E-04	1.12E-03	1.34E-04
1198	437676.4	3725482	1.36E-01	2.83E-02	1.45E-01	1.73E-02
1199	437532.2	3725622	4.47E-02	9.87E-03	4.84E-02	6.58E-03
1200	437545.8	3725633	4.24E-02	9.34E-03	4.59E-02	6.21E-03
1201	437519.2	3725637	3.41E-02	7.50E-03	3.69E-02	4.98E-03
1202	437526	3725643	3.33E-02	7.32E-03	3.60E-02	4.86E-03
1203	437493.3	3725681	1.89E-02	4.13E-03	2.05E-02	2.71E-03
1204	437500.1	3725686	1.88E-02	4.11E-03	2.04E-02	2.70E-03
1205	437473.7	3725703	1.41E-02	3.08E-03	1.53E-02	2.01E-03
1206	437480.5	3725709	1.42E-02	3.09E-03	1.53E-02	2.01E-03
1207	437454.1	3725726	1.09E-02	2.37E-03	1.18E-02	1.54E-03
1208	437434.5	3725749	8.71E-03	1.88E-03	9.40E-03	1.21E-03
1209	437414.9	3725771	7.19E-03	1.55E-03	7.76E-03	9.94E-04
1210	437395.3	3725794	6.05E-03	1.30E-03	6.52E-03	8.29E-04
1211	437356.1	3725840	4.37E-03	9.32E-04	4.71E-03	5.90E-04
1212	437362.9	3725845	4.40E-03	9.40E-04	4.74E-03	5.95E-04
1213	437336.6	3725862	3.75E-03	7.97E-04	4.03E-03	5.03E-04
1214	437343.3	3725868	3.79E-03	8.07E-04	4.08E-03	5.09E-04
1215	437290.8	3725915	2.69E-03	5.69E-04	2.89E-03	3.56E-04
1216	437297.6	3725921	2.72E-03	5.75E-04	2.92E-03	3.60E-04
1217	437264.7	3725946	2.28E-03	4.82E-04	2.46E-03	3.00E-04
1218	437271.5	3725951	2.31E-03	4.87E-04	2.48E-03	3.03E-04
1219	437245.4	3725982	1.98E-03	4.18E-04	2.13E-03	2.59E-04
1220	437219.2	3726012	1.73E-03	3.63E-04	1.86E-03	2.24E-04
1221	437193.1	3726042	1.53E-03	3.21E-04	1.64E-03	1.98E-04
1222	437167	3726073	1.38E-03	2.90E-04	1.48E-03	1.78E-04
1223	437140.9	3726103	1.28E-03	2.68E-04	1.38E-03	1.65E-04
1224	437114.7	3726133	1.20E-03	2.51E-04	1.29E-03	1.54E-04
1225	437719.8	3725445	1.95E-01	3.93E-02	2.08E-01	2.25E-02
1226	437728.2	3725437	2.11E-01	4.22E-02	2.24E-01	2.40E-02
1227	437738	3725426	2.34E-01	4.68E-02	2.49E-01	2.64E-02
1228	437726.3	3725452	1.74E-01	3.50E-02	1.85E-01	2.01E-02
1229	437712.3	3725455	1.73E-01	3.49E-02	1.84E-01	2.02E-02
1230	437735.8	3725444	1.85E-01	3.71E-02	1.97E-01	2.12E-02
1231	437745.6	3725432	2.01E-01	4.02E-02	2.14E-01	2.28E-02
1232	437733.3	3725459	1.56E-01	3.14E-02	1.66E-01	1.81E-02
1233	437723.1	3725464	1.52E-01	3.07E-02	1.62E-01	1.78E-02
1234	437712.5	3725465	1.53E-01	3.10E-02	1.63E-01	1.80E-02
1235	437701.5	3725461	1.60E-01	3.25E-02	1.70E-01	1.90E-02
1236	437743.4	3725450	1.63E-01	3.28E-02	1.74E-01	1.88E-02
1237	437753.2	3725439	1.75E-01	3.50E-02	1.86E-01	1.99E-02
1238	437740.6	3725465	1.41E-01	2.84E-02	1.50E-01	1.63E-02
1239	437729.7	3725471	1.38E-01	2.80E-02	1.47E-01	1.62E-02
1240	437712.9	3725474	1.37E-01	2.79E-02	1.46E-01	1.64E-02
1241	437701.2	3725471	1.44E-01	2.94E-02	1.54E-01	1.73E-02
1242	437751	3725457	1.46E-01	2.93E-02	1.55E-01	1.68E-02
1243	437760.9	3725445	1.53E-01	3.07E-02	1.63E-01	1.75E-02

1244	437748	3725472	1.27E-01	2.57E-02	1.36E-01	1.49E-02
1245	437736.6	3725478	1.26E-01	2.56E-02	1.34E-01	1.49E-02
1246	437725.2	3725483	1.22E-01	2.49E-02	1.31E-01	1.46E-02
1247	437713.4	3725484	1.24E-01	2.54E-02	1.33E-01	1.50E-02
1248	437701.2	3725480	1.31E-01	2.69E-02	1.40E-01	1.60E-02
1249	437758.6	3725463	1.31E-01	2.63E-02	1.39E-01	1.51E-02
1250	437755.5	3725478	1.16E-01	2.35E-02	1.24E-01	1.36E-02
1251	437743.7	3725484	1.15E-01	2.34E-02	1.23E-01	1.36E-02
1252	437732	3725490	1.13E-01	2.30E-02	1.21E-01	1.35E-02
1253	437714	3725494	1.14E-01	2.34E-02	1.22E-01	1.39E-02
1254	437701.5	3725490	1.21E-01	2.49E-02	1.29E-01	1.50E-02
1255	437689	3725486	1.28E-01	2.66E-02	1.37E-01	1.61E-02
1256	437766.2	3725470	1.18E-01	2.38E-02	1.26E-01	1.37E-02
1257	437762.9	3725485	1.06E-01	2.14E-02	1.13E-01	1.24E-02
1258	437751	3725491	1.06E-01	2.15E-02	1.13E-01	1.25E-02
1259	437739	3725497	1.04E-01	2.12E-02	1.11E-01	1.25E-02
1260	437727	3725503	1.02E-01	2.10E-02	1.09E-01	1.24E-02
1261	437714.6	3725504	1.05E-01	2.16E-02	1.12E-01	1.30E-02
1262	437701.9	3725500	1.12E-01	2.32E-02	1.20E-01	1.40E-02
1263	437689.1	3725496	1.20E-01	2.51E-02	1.29E-01	1.53E-02
1264	437676.3	3725492	1.30E-01	2.74E-02	1.40E-01	1.70E-02
1265	437773.9	3725476	1.07E-01	2.16E-02	1.14E-01	1.24E-02
1266	437770.5	3725491	9.71E-02	1.97E-02	1.04E-01	1.14E-02
1267	437758.3	3725498	9.72E-02	1.98E-02	1.04E-01	1.15E-02
1268	437746.1	3725504	9.63E-02	1.96E-02	1.03E-01	1.15E-02
1269	437734	3725510	9.48E-02	1.95E-02	1.01E-01	1.15E-02
1270	437715.3	3725514	9.70E-02	2.01E-02	1.04E-01	1.21E-02
1271	437702.3	3725510	1.04E-01	2.17E-02	1.12E-01	1.32E-02
1272	437689.3	3725506	1.13E-01	2.38E-02	1.22E-01	1.46E-02
1273	437676.4	3725501	1.25E-01	2.65E-02	1.35E-01	1.66E-02
1274	437781.5	3725483	9.73E-02	1.96E-02	1.04E-01	1.13E-02
1275	437791.3	3725471	9.90E-02	1.99E-02	1.06E-01	1.14E-02
1276	437778	3725498	8.89E-02	1.80E-02	9.49E-02	1.05E-02
1277	437765.7	3725504	8.97E-02	1.82E-02	9.57E-02	1.06E-02
1278	437753.4	3725511	8.91E-02	1.82E-02	9.52E-02	1.07E-02
1279	437741	3725517	8.80E-02	1.81E-02	9.41E-02	1.07E-02
1280	437728.7	3725523	8.70E-02	1.80E-02	9.31E-02	1.08E-02
1281	437716	3725524	8.99E-02	1.87E-02	9.64E-02	1.13E-02
1282	437702.8	3725520	9.74E-02	2.03E-02	1.04E-01	1.25E-02
1283	437689.7	3725515	1.07E-01	2.25E-02	1.15E-01	1.39E-02
1284	437676.6	3725511	1.20E-01	2.55E-02	1.29E-01	1.60E-02
1285	437789.1	3725489	8.87E-02	1.79E-02	9.46E-02	1.03E-02
1286	437798.9	3725478	8.98E-02	1.81E-02	9.58E-02	1.04E-02
1287	437785.6	3725505	8.17E-02	1.66E-02	8.72E-02	9.62E-03
1288	437773.1	3725511	8.27E-02	1.68E-02	8.83E-02	9.82E-03
1289	437760.7	3725517	8.25E-02	1.68E-02	8.82E-02	9.90E-03
1290	437748.2	3725524	8.18E-02	1.68E-02	8.75E-02	9.94E-03
1291	437735.8	3725530	8.10E-02	1.67E-02	8.67E-02	1.00E-02
1292	437716.7	3725534	8.36E-02	1.74E-02	8.96E-02	1.06E-02
1293	437703.4	3725530	9.08E-02	1.90E-02	9.75E-02	1.17E-02
1294	437690.1	3725525	1.00E-01	2.12E-02	1.08E-01	1.32E-02
1295	437676.9	3725521	1.14E-01	2.42E-02	1.22E-01	1.53E-02

1296	437663.6	3725517	1.35E-01	2.92E-02	1.46E-01	1.88E-02
1297	437796.7	3725496	8.12E-02	1.64E-02	8.66E-02	9.48E-03
1298	437806.5	3725484	8.19E-02	1.65E-02	8.74E-02	9.51E-03
1299	437800.7	3725518	6.92E-02	1.40E-02	7.39E-02	8.17E-03
1300	437788.1	3725524	7.08E-02	1.44E-02	7.56E-02	8.42E-03
1301	437775.4	3725530	7.11E-02	1.45E-02	7.60E-02	8.53E-03
1302	437762.8	3725537	7.09E-02	1.45E-02	7.58E-02	8.61E-03
1303	437750.1	3725543	7.04E-02	1.45E-02	7.53E-02	8.66E-03
1304	437737.5	3725550	6.99E-02	1.45E-02	7.48E-02	8.73E-03
1305	437718.1	3725554	7.24E-02	1.51E-02	7.77E-02	9.28E-03
1306	437704.6	3725550	7.89E-02	1.66E-02	8.47E-02	1.03E-02
1307	437691.2	3725545	8.73E-02	1.85E-02	9.39E-02	1.16E-02
1308	437677.7	3725541	9.93E-02	2.12E-02	1.07E-01	1.35E-02
1309	437664.2	3725536	1.18E-01	2.55E-02	1.27E-01	1.65E-02
1310	437650.7	3725532	1.50E-01	3.28E-02	1.62E-01	2.16E-02
1311	437811.9	3725509	6.86E-02	1.39E-02	7.31E-02	8.04E-03
1312	437821.8	3725497	6.88E-02	1.39E-02	7.34E-02	8.02E-03
1313	437815.9	3725531	5.92E-02	1.20E-02	6.32E-02	7.00E-03
1314	437803.1	3725537	6.09E-02	1.24E-02	6.51E-02	7.25E-03
1315	437790.3	3725544	6.16E-02	1.26E-02	6.58E-02	7.39E-03
1316	437777.5	3725550	6.17E-02	1.26E-02	6.59E-02	7.47E-03
1317	437764.7	3725557	6.14E-02	1.26E-02	6.57E-02	7.53E-03
1318	437752	3725563	6.10E-02	1.26E-02	6.54E-02	7.58E-03
1319	437739.2	3725570	6.06E-02	1.26E-02	6.50E-02	7.65E-03
1320	437719.6	3725574	6.28E-02	1.32E-02	6.74E-02	8.12E-03
1321	437706	3725569	6.83E-02	1.44E-02	7.34E-02	8.97E-03
1322	437692.3	3725565	7.53E-02	1.60E-02	8.10E-02	1.01E-02
1323	437678.7	3725560	8.47E-02	1.81E-02	9.12E-02	1.16E-02
1324	437665.1	3725556	9.86E-02	2.13E-02	1.06E-01	1.38E-02
1325	437651.4	3725551	1.20E-01	2.63E-02	1.30E-01	1.73E-02
1326	437637.8	3725547	1.57E-01	3.46E-02	1.70E-01	2.31E-02
1327	437827.2	3725522	5.84E-02	1.18E-02	6.23E-02	6.86E-03
1328	437837	3725510	5.83E-02	1.18E-02	6.22E-02	6.82E-03
1329	437779.5	3725570	5.39E-02	1.11E-02	5.77E-02	6.59E-03
1330	437766.6	3725576	5.37E-02	1.11E-02	5.74E-02	6.63E-03
1331	437753.7	3725583	5.33E-02	1.11E-02	5.71E-02	6.68E-03
1332	437740.8	3725589	5.30E-02	1.10E-02	5.68E-02	6.73E-03
1333	437721.1	3725594	5.46E-02	1.15E-02	5.86E-02	7.09E-03
1334	437707.3	3725589	5.90E-02	1.25E-02	6.34E-02	7.78E-03
1335	437693.6	3725585	6.45E-02	1.37E-02	6.94E-02	8.65E-03
1336	437679.8	3725580	7.17E-02	1.54E-02	7.72E-02	9.80E-03
1337	437666.1	3725576	8.15E-02	1.76E-02	8.79E-02	1.14E-02
1338	437652.4	3725571	9.57E-02	2.08E-02	1.03E-01	1.36E-02
1339	437638.6	3725567	1.17E-01	2.58E-02	1.27E-01	1.71E-02
1340	437624.9	3725562	1.53E-01	3.38E-02	1.65E-01	2.27E-02
1341	437846.2	3725557	4.42E-02	8.97E-03	4.72E-02	5.24E-03
1342	437833.2	3725563	4.55E-02	9.27E-03	4.86E-02	5.43E-03
1343	437820.3	3725570	4.66E-02	9.52E-03	4.98E-02	5.60E-03
1344	437755.4	3725603	4.66E-02	9.68E-03	4.99E-02	5.87E-03
1345	437742.4	3725609	4.60E-02	9.60E-03	4.93E-02	5.87E-03
1346	437722.6	3725614	4.70E-02	9.88E-03	5.04E-02	6.12E-03
1347	437708.7	3725609	5.06E-02	1.07E-02	5.43E-02	6.68E-03

1348	437694.9	3725605	5.49E-02	1.17E-02	5.91E-02	7.37E-03
1349	437681.1	3725600	6.04E-02	1.29E-02	6.50E-02	8.23E-03
1350	437667.2	3725596	6.70E-02	1.44E-02	7.22E-02	9.30E-03
1351	437653.4	3725591	7.57E-02	1.65E-02	8.18E-02	1.07E-02
1352	437639.6	3725586	8.82E-02	1.93E-02	9.53E-02	1.27E-02
1353	437625.7	3725582	1.06E-01	2.33E-02	1.15E-01	1.55E-02
1354	437611.9	3725577	1.33E-01	2.95E-02	1.44E-01	1.98E-02
1355	437857.6	3725547	4.34E-02	8.81E-03	4.63E-02	5.12E-03
1356	437867.5	3725536	4.32E-02	8.74E-03	4.61E-02	5.07E-03
1357	437861.4	3725569	3.85E-02	7.83E-03	4.11E-02	4.57E-03
1358	437848.4	3725576	3.96E-02	8.07E-03	4.23E-02	4.73E-03
1359	437809.2	3725596	4.19E-02	8.60E-03	4.48E-02	5.10E-03
1360	437796.2	3725603	4.19E-02	8.62E-03	4.48E-02	5.14E-03
1361	437724.1	3725634	4.06E-02	8.54E-03	4.36E-02	5.30E-03
1362	437710.1	3725629	4.34E-02	9.18E-03	4.66E-02	5.74E-03
1363	437696.2	3725625	4.67E-02	9.93E-03	5.02E-02	6.26E-03
1364	437682.3	3725620	5.06E-02	1.08E-02	5.45E-02	6.88E-03
1365	437668.4	3725615	5.51E-02	1.19E-02	5.94E-02	7.62E-03
1366	437654.5	3725611	6.07E-02	1.31E-02	6.55E-02	8.52E-03
1367	437640.6	3725606	6.79E-02	1.48E-02	7.34E-02	9.69E-03
1368	437626.7	3725602	7.74E-02	1.70E-02	8.37E-02	1.12E-02
1369	437612.8	3725597	8.93E-02	1.97E-02	9.67E-02	1.31E-02
1370	437872.9	3725560	3.79E-02	7.70E-03	4.05E-02	4.49E-03
1371	437882.7	3725549	3.76E-02	7.62E-03	4.01E-02	4.43E-03
1372	437824.2	3725609	3.68E-02	7.53E-03	3.93E-02	4.46E-03
1373	437811.1	3725616	3.68E-02	7.57E-03	3.94E-02	4.51E-03
1374	437798	3725623	3.67E-02	7.57E-03	3.93E-02	4.53E-03
1375	437784.9	3725629	3.65E-02	7.54E-03	3.90E-02	4.54E-03
1376	437771.8	3725636	3.61E-02	7.49E-03	3.86E-02	4.54E-03
1377	437758.7	3725643	3.55E-02	7.40E-03	3.80E-02	4.51E-03
1378	437711.6	3725649	3.73E-02	7.89E-03	4.01E-02	4.93E-03
1379	437697.6	3725644	3.98E-02	8.45E-03	4.28E-02	5.33E-03
1380	437683.7	3725640	4.26E-02	9.11E-03	4.59E-02	5.78E-03
1381	437669.7	3725635	4.58E-02	9.85E-03	4.94E-02	6.31E-03
1382	437888.1	3725573	3.36E-02	6.82E-03	3.58E-02	3.97E-03
1383	437897.9	3725562	3.31E-02	6.72E-03	3.54E-02	3.91E-03
1384	437891.8	3725595	3.05E-02	6.20E-03	3.26E-02	3.63E-03
1385	437878.7	3725602	3.11E-02	6.34E-03	3.32E-02	3.72E-03
1386	437865.5	3725609	3.16E-02	6.45E-03	3.38E-02	3.79E-03
1387	437812.9	3725636	3.28E-02	6.75E-03	3.51E-02	4.03E-03
1388	437799.8	3725642	3.27E-02	6.74E-03	3.50E-02	4.05E-03
1389	437786.7	3725649	3.23E-02	6.69E-03	3.46E-02	4.04E-03
1390	437773.5	3725656	3.17E-02	6.60E-03	3.40E-02	4.01E-03
1391	437760.4	3725662	3.12E-02	6.51E-03	3.34E-02	3.98E-03
1392	437747.2	3725669	3.05E-02	6.39E-03	3.27E-02	3.93E-03
1393	437903.3	3725586	2.98E-02	6.05E-03	3.18E-02	3.53E-03
1394	437913.2	3725575	2.93E-02	5.95E-03	3.13E-02	3.47E-03
1395	437907	3725608	2.71E-02	5.52E-03	2.90E-02	3.23E-03
1396	437893.8	3725615	2.79E-02	5.68E-03	2.98E-02	3.33E-03
1397	437880.7	3725622	2.84E-02	5.79E-03	3.03E-02	3.41E-03
1398	437854.3	3725635	2.92E-02	5.98E-03	3.12E-02	3.54E-03
1399	437841.1	3725642	2.94E-02	6.04E-03	3.15E-02	3.59E-03

1400	437827.9	3725649	2.96E-02	6.08E-03	3.16E-02	3.63E-03
1401	437775.2	3725676	2.82E-02	5.88E-03	3.03E-02	3.58E-03
1402	437762	3725682	2.76E-02	5.77E-03	2.96E-02	3.53E-03
1403	437748.8	3725689	2.69E-02	5.64E-03	2.89E-02	3.47E-03
1404	437588	3725647	4.34E-02	9.51E-03	4.70E-02	6.27E-03
1405	437573.9	3725643	4.40E-02	9.65E-03	4.76E-02	6.38E-03
1406	437559.9	3725638	4.38E-02	9.62E-03	4.74E-02	6.38E-03
1407	437918.5	3725599	2.66E-02	5.40E-03	2.84E-02	3.16E-03
1408	437928.4	3725588	2.62E-02	5.32E-03	2.80E-02	3.10E-03
1409	437922.2	3725621	2.44E-02	4.98E-03	2.61E-02	2.91E-03
1410	437909	3725628	2.51E-02	5.12E-03	2.68E-02	3.00E-03
1411	437895.8	3725635	2.56E-02	5.23E-03	2.74E-02	3.08E-03
1412	437869.4	3725648	2.64E-02	5.40E-03	2.82E-02	3.19E-03
1413	437856.1	3725655	2.66E-02	5.46E-03	2.84E-02	3.24E-03
1414	437842.9	3725662	2.67E-02	5.50E-03	2.86E-02	3.27E-03
1415	437829.7	3725669	2.67E-02	5.51E-03	2.86E-02	3.29E-03
1416	437816.5	3725675	2.65E-02	5.48E-03	2.84E-02	3.29E-03
1417	437776.8	3725695	2.52E-02	5.26E-03	2.70E-02	3.21E-03
1418	437763.6	3725702	2.46E-02	5.14E-03	2.64E-02	3.15E-03
1419	437750.4	3725709	2.40E-02	5.03E-03	2.58E-02	3.10E-03
1420	437589.1	3725667	3.46E-02	7.55E-03	3.74E-02	4.95E-03
1421	437575	3725662	3.51E-02	7.67E-03	3.79E-02	5.05E-03
1422	437560.9	3725658	3.52E-02	7.71E-03	3.80E-02	5.08E-03
1423	437546.8	3725653	3.41E-02	7.47E-03	3.69E-02	4.94E-03
1424	437933.8	3725612	2.39E-02	4.86E-03	2.55E-02	2.84E-03
1425	437943.6	3725601	2.35E-02	4.78E-03	2.51E-02	2.79E-03
1426	437937.5	3725634	2.21E-02	4.51E-03	2.36E-02	2.64E-03
1427	437924.2	3725641	2.29E-02	4.66E-03	2.44E-02	2.74E-03
1428	437911	3725648	2.34E-02	4.78E-03	2.50E-02	2.81E-03
1429	437884.5	3725661	2.40E-02	4.92E-03	2.57E-02	2.91E-03
1430	437871.2	3725668	2.43E-02	4.97E-03	2.59E-02	2.95E-03
1431	437857.9	3725675	2.44E-02	5.01E-03	2.61E-02	2.98E-03
1432	437844.7	3725682	2.44E-02	5.02E-03	2.61E-02	3.00E-03
1433	437831.4	3725688	2.42E-02	5.00E-03	2.60E-02	3.00E-03
1434	437791.7	3725709	2.33E-02	4.84E-03	2.49E-02	2.94E-03
1435	437778.4	3725715	2.26E-02	4.72E-03	2.43E-02	2.88E-03
1436	437562.1	3725678	2.85E-02	6.22E-03	3.08E-02	4.08E-03
1437	437547.9	3725673	2.79E-02	6.09E-03	3.01E-02	4.00E-03
1438	437533.8	3725668	2.68E-02	5.87E-03	2.90E-02	3.87E-03
1439	437949	3725625	2.16E-02	4.40E-03	2.31E-02	2.58E-03
1440	437958.8	3725614	2.13E-02	4.33E-03	2.27E-02	2.53E-03
1441	437960.3	3725654	1.92E-02	3.91E-03	2.05E-02	2.30E-03
1442	437947	3725661	1.98E-02	4.04E-03	2.12E-02	2.37E-03
1443	437933.7	3725667	2.04E-02	4.16E-03	2.18E-02	2.44E-03
1444	437907.1	3725681	2.11E-02	4.31E-03	2.25E-02	2.55E-03
1445	437893.8	3725688	2.13E-02	4.36E-03	2.28E-02	2.58E-03
1446	437880.5	3725694	2.14E-02	4.39E-03	2.29E-02	2.61E-03
1447	437867.3	3725701	2.14E-02	4.40E-03	2.29E-02	2.62E-03
1448	437854	3725708	2.14E-02	4.40E-03	2.29E-02	2.63E-03
1449	437814.1	3725728	2.07E-02	4.30E-03	2.22E-02	2.60E-03
1450	437800.8	3725735	2.02E-02	4.21E-03	2.17E-02	2.56E-03
1451	437521.3	3725693	2.01E-02	4.39E-03	2.17E-02	2.87E-03

1452	437971.8	3725645	1.87E-02	3.82E-03	2.00E-02	2.23E-03
1453	437981.7	3725633	1.84E-02	3.75E-03	1.97E-02	2.19E-03
1454	437983.1	3725673	1.69E-02	3.44E-03	1.80E-02	2.02E-03
1455	437969.8	3725680	1.74E-02	3.55E-03	1.86E-02	2.09E-03
1456	437956.5	3725687	1.78E-02	3.64E-03	1.90E-02	2.14E-03
1457	437929.8	3725700	1.84E-02	3.77E-03	1.97E-02	2.23E-03
1458	437916.5	3725707	1.86E-02	3.82E-03	1.99E-02	2.26E-03
1459	437903.2	3725714	1.87E-02	3.85E-03	2.01E-02	2.28E-03
1460	437889.9	3725721	1.88E-02	3.87E-03	2.01E-02	2.30E-03
1461	437876.5	3725728	1.88E-02	3.87E-03	2.01E-02	2.31E-03
1462	437836.6	3725748	1.84E-02	3.82E-03	1.98E-02	2.30E-03
1463	437823.2	3725755	1.81E-02	3.76E-03	1.94E-02	2.28E-03
1464	437494.7	3725714	1.50E-02	3.25E-03	1.62E-02	2.12E-03
1465	437994.7	3725664	1.65E-02	3.36E-03	1.76E-02	1.97E-03
1466	438004.5	3725653	1.62E-02	3.30E-03	1.73E-02	1.93E-03
1467	438005.9	3725693	1.49E-02	3.05E-03	1.60E-02	1.79E-03
1468	437992.6	3725700	1.54E-02	3.14E-03	1.64E-02	1.84E-03
1469	437979.2	3725706	1.57E-02	3.22E-03	1.68E-02	1.89E-03
1470	437952.5	3725720	1.63E-02	3.33E-03	1.74E-02	1.97E-03
1471	437939.2	3725727	1.65E-02	3.37E-03	1.76E-02	2.00E-03
1472	437925.8	3725734	1.66E-02	3.40E-03	1.77E-02	2.02E-03
1473	437912.5	3725740	1.66E-02	3.42E-03	1.78E-02	2.03E-03
1474	437899.1	3725747	1.67E-02	3.43E-03	1.78E-02	2.04E-03
1475	437859.1	3725768	1.64E-02	3.40E-03	1.76E-02	2.05E-03
1476	437845.7	3725774	1.62E-02	3.36E-03	1.74E-02	2.03E-03
1477	437468	3725734	1.13E-02	2.44E-03	1.22E-02	1.58E-03
1478	438017.5	3725684	1.46E-02	2.97E-03	1.56E-02	1.74E-03
1479	438027.4	3725672	1.43E-02	2.92E-03	1.53E-02	1.71E-03
1480	437975.3	3725739	1.45E-02	2.97E-03	1.55E-02	1.75E-03
1481	437961.9	3725746	1.47E-02	3.01E-03	1.57E-02	1.78E-03
1482	437948.5	3725753	1.48E-02	3.04E-03	1.58E-02	1.80E-03
1483	437935.2	3725760	1.49E-02	3.06E-03	1.59E-02	1.82E-03
1484	437921.8	3725767	1.49E-02	3.07E-03	1.60E-02	1.83E-03
1485	437881.7	3725787	1.47E-02	3.05E-03	1.58E-02	1.83E-03
1486	437868.3	3725794	1.46E-02	3.02E-03	1.56E-02	1.82E-03
1487	437484.1	3725769	9.96E-03	2.15E-03	1.07E-02	1.39E-03
1488	437469.8	3725764	9.54E-03	2.06E-03	1.03E-02	1.33E-03
1489	437455.6	3725759	9.17E-03	1.98E-03	9.90E-03	1.28E-03
1490	438040.4	3725703	1.30E-02	2.65E-03	1.39E-02	1.56E-03
1491	438050.2	3725691	1.28E-02	2.60E-03	1.36E-02	1.53E-03
1492	438051.6	3725732	1.19E-02	2.43E-03	1.27E-02	1.43E-03
1493	438038.2	3725738	1.22E-02	2.49E-03	1.30E-02	1.47E-03
1494	437998	3725759	1.29E-02	2.65E-03	1.38E-02	1.57E-03
1495	437984.6	3725766	1.31E-02	2.69E-03	1.40E-02	1.59E-03
1496	437971.2	3725773	1.32E-02	2.71E-03	1.42E-02	1.61E-03
1497	437957.8	3725779	1.33E-02	2.74E-03	1.43E-02	1.63E-03
1498	437944.4	3725786	1.34E-02	2.75E-03	1.43E-02	1.64E-03
1499	437904.3	3725807	1.33E-02	2.75E-03	1.43E-02	1.65E-03
1500	437890.9	3725814	1.32E-02	2.73E-03	1.42E-02	1.64E-03
1501	437500.3	3725803	8.81E-03	1.89E-03	9.50E-03	1.21E-03
1502	437486	3725798	8.51E-03	1.83E-03	9.18E-03	1.17E-03
1503	437471.7	3725794	8.19E-03	1.76E-03	8.84E-03	1.13E-03

1504	437457.4	3725789	7.93E-03	1.71E-03	8.55E-03	1.09E-03
1505	437443.1	3725784	7.65E-03	1.65E-03	8.25E-03	1.06E-03
1506	437428.9	3725780	7.37E-03	1.59E-03	7.95E-03	1.02E-03
1507	438063.2	3725722	1.16E-02	2.38E-03	1.24E-02	1.40E-03
1508	438073.1	3725711	1.15E-02	2.34E-03	1.23E-02	1.37E-03
1509	438020.8	3725778	1.16E-02	2.38E-03	1.24E-02	1.40E-03
1510	438007.4	3725785	1.18E-02	2.41E-03	1.26E-02	1.43E-03
1511	437994	3725792	1.19E-02	2.44E-03	1.27E-02	1.45E-03
1512	437980.5	3725799	1.20E-02	2.46E-03	1.28E-02	1.46E-03
1513	437967.1	3725806	1.21E-02	2.48E-03	1.29E-02	1.47E-03
1514	437953.7	3725813	1.21E-02	2.49E-03	1.30E-02	1.48E-03
1515	437940.3	3725819	1.21E-02	2.49E-03	1.30E-02	1.49E-03
1516	437926.9	3725826	1.21E-02	2.49E-03	1.29E-02	1.49E-03
1517	437913.5	3725833	1.20E-02	2.48E-03	1.29E-02	1.49E-03
1518	437530.8	3725842	8.01E-03	1.72E-03	8.64E-03	1.09E-03
1519	437502.2	3725833	7.57E-03	1.62E-03	8.16E-03	1.04E-03
1520	437487.9	3725828	7.36E-03	1.58E-03	7.94E-03	1.01E-03
1521	437473.6	3725823	7.14E-03	1.53E-03	7.69E-03	9.77E-04
1522	437459.3	3725819	6.93E-03	1.49E-03	7.47E-03	9.49E-04
1523	437445	3725814	6.72E-03	1.44E-03	7.25E-03	9.21E-04
1524	437430.7	3725809	6.51E-03	1.40E-03	7.02E-03	8.93E-04
1525	437416.4	3725805	6.30E-03	1.35E-03	6.80E-03	8.64E-04
1526	438097.3	3725771	9.62E-03	1.96E-03	1.03E-02	1.16E-03
1527	438083.8	3725777	9.87E-03	2.02E-03	1.06E-02	1.19E-03
1528	437976.4	3725832	1.10E-02	2.25E-03	1.17E-02	1.34E-03
1529	437963	3725839	1.10E-02	2.26E-03	1.18E-02	1.35E-03
1530	437949.6	3725846	1.10E-02	2.26E-03	1.18E-02	1.35E-03
1531	437936.1	3725853	1.09E-02	2.26E-03	1.17E-02	1.35E-03
1532	437547.2	3725877	7.09E-03	1.51E-03	7.64E-03	9.59E-04
1533	437532.9	3725872	6.94E-03	1.48E-03	7.47E-03	9.39E-04
1534	437518.6	3725867	6.78E-03	1.45E-03	7.31E-03	9.19E-04
1535	437504.2	3725863	6.62E-03	1.41E-03	7.13E-03	8.98E-04
1536	437489.9	3725858	6.45E-03	1.38E-03	6.95E-03	8.77E-04
1537	437461.3	3725849	6.12E-03	1.31E-03	6.59E-03	8.32E-04
1538	437447	3725844	5.95E-03	1.27E-03	6.41E-03	8.10E-04
1539	437432.6	3725839	5.78E-03	1.24E-03	6.23E-03	7.87E-04
1540	437418.3	3725834	5.62E-03	1.20E-03	6.06E-03	7.66E-04
1541	437404	3725830	5.45E-03	1.17E-03	5.87E-03	7.42E-04
1542	438108.9	3725761	9.44E-03	1.93E-03	1.01E-02	1.13E-03
1543	438118.8	3725750	9.33E-03	1.90E-03	9.97E-03	1.12E-03
1544	438120.1	3725790	8.73E-03	1.78E-03	9.34E-03	1.05E-03
1545	438106.7	3725797	8.95E-03	1.83E-03	9.57E-03	1.08E-03
1546	438093.2	3725804	9.14E-03	1.87E-03	9.78E-03	1.10E-03
1547	438079.8	3725811	9.32E-03	1.91E-03	9.96E-03	1.13E-03
1548	438066.3	3725817	9.48E-03	1.94E-03	1.01E-02	1.15E-03
1549	438052.9	3725824	9.63E-03	1.97E-03	1.03E-02	1.17E-03
1550	438039.5	3725831	9.75E-03	2.00E-03	1.04E-02	1.18E-03
1551	438026	3725838	9.84E-03	2.02E-03	1.05E-02	1.20E-03
1552	437606.6	3725925	6.69E-03	1.42E-03	7.20E-03	8.91E-04
1553	437592.3	3725921	6.58E-03	1.40E-03	7.08E-03	8.78E-04
1554	437578	3725916	6.48E-03	1.38E-03	6.97E-03	8.67E-04
1555	437549.3	3725907	6.25E-03	1.33E-03	6.73E-03	8.39E-04

1556	437534.9	3725902	6.11E-03	1.30E-03	6.58E-03	8.22E-04
1557	437520.6	3725897	5.97E-03	1.27E-03	6.43E-03	8.05E-04
1558	437506.3	3725893	5.84E-03	1.25E-03	6.29E-03	7.88E-04
1559	437491.9	3725888	5.72E-03	1.22E-03	6.16E-03	7.72E-04
1560	437477.6	3725883	5.59E-03	1.19E-03	6.02E-03	7.56E-04
1561	437463.3	3725878	5.46E-03	1.17E-03	5.88E-03	7.38E-04
1562	437448.9	3725874	5.32E-03	1.14E-03	5.74E-03	7.20E-04
1563	437420.3	3725864	5.04E-03	1.08E-03	5.43E-03	6.82E-04
1564	437405.9	3725860	4.90E-03	1.05E-03	5.28E-03	6.63E-04
1565	437391.6	3725855	4.75E-03	1.01E-03	5.12E-03	6.43E-04
1566	438131.8	3725781	8.59E-03	1.75E-03	9.18E-03	1.03E-03
1567	438141.6	3725769	8.50E-03	1.74E-03	9.09E-03	1.02E-03
1568	438143	3725809	7.97E-03	1.63E-03	8.53E-03	9.60E-04
1569	438129.5	3725816	8.15E-03	1.67E-03	8.72E-03	9.82E-04
1570	438116	3725823	8.33E-03	1.70E-03	8.91E-03	1.01E-03
1571	438102.6	3725830	8.51E-03	1.74E-03	9.10E-03	1.03E-03
1572	438089.1	3725837	8.66E-03	1.77E-03	9.26E-03	1.05E-03
1573	438075.7	3725844	8.78E-03	1.80E-03	9.39E-03	1.06E-03
1574	438062.2	3725851	8.89E-03	1.82E-03	9.51E-03	1.08E-03
1575	438048.8	3725857	8.98E-03	1.84E-03	9.61E-03	1.09E-03
1576	438035.3	3725864	9.05E-03	1.86E-03	9.69E-03	1.10E-03
1577	438021.8	3725871	9.11E-03	1.87E-03	9.75E-03	1.11E-03
1578	438008.4	3725878	9.15E-03	1.88E-03	9.79E-03	1.12E-03
1579	437994.9	3725885	9.17E-03	1.89E-03	9.81E-03	1.13E-03
1580	437623.1	3725960	6.14E-03	1.30E-03	6.61E-03	8.13E-04
1581	437608.8	3725955	6.04E-03	1.28E-03	6.50E-03	8.01E-04
1582	437594.4	3725951	5.93E-03	1.26E-03	6.38E-03	7.88E-04
1583	437580.1	3725946	5.82E-03	1.24E-03	6.27E-03	7.75E-04
1584	437565.7	3725941	5.72E-03	1.21E-03	6.15E-03	7.62E-04
1585	437551.4	3725937	5.61E-03	1.19E-03	6.03E-03	7.49E-04
1586	437508.3	3725922	5.26E-03	1.12E-03	5.66E-03	7.05E-04
1587	437494	3725918	5.14E-03	1.09E-03	5.54E-03	6.90E-04
1588	437479.6	3725913	5.03E-03	1.07E-03	5.42E-03	6.76E-04
1589	437465.3	3725908	4.92E-03	1.05E-03	5.30E-03	6.62E-04
1590	437450.9	3725904	4.81E-03	1.02E-03	5.18E-03	6.47E-04
1591	437436.6	3725899	4.69E-03	1.00E-03	5.05E-03	6.31E-04
1592	437422.3	3725894	4.57E-03	9.74E-04	4.92E-03	6.15E-04
1593	437407.9	3725889	4.44E-03	9.47E-04	4.79E-03	5.98E-04
1594	437364.9	3725875	4.03E-03	8.58E-04	4.34E-03	5.41E-04
1595	438154.6	3725800	7.85E-03	1.60E-03	8.40E-03	9.45E-04
1596	438164.4	3725789	7.78E-03	1.59E-03	8.32E-03	9.35E-04
1597	438165.8	3725829	7.32E-03	1.50E-03	7.83E-03	8.82E-04
1598	438152.3	3725836	7.48E-03	1.53E-03	8.00E-03	9.03E-04
1599	438138.9	3725843	7.63E-03	1.56E-03	8.16E-03	9.21E-04
1600	438125.4	3725849	7.78E-03	1.59E-03	8.32E-03	9.40E-04
1601	438111.9	3725856	7.92E-03	1.62E-03	8.47E-03	9.58E-04
1602	438098.5	3725863	8.03E-03	1.65E-03	8.59E-03	9.74E-04
1603	438085	3725870	8.13E-03	1.67E-03	8.70E-03	9.88E-04
1604	438071.5	3725877	8.22E-03	1.69E-03	8.80E-03	1.00E-03
1605	438058	3725884	8.30E-03	1.70E-03	8.88E-03	1.01E-03
1606	438044.6	3725891	8.35E-03	1.72E-03	8.94E-03	1.02E-03
1607	438031.1	3725898	8.39E-03	1.73E-03	8.98E-03	1.03E-03

1608	438017.6	3725904	8.42E-03	1.73E-03	9.01E-03	1.03E-03
1609	438004.2	3725911	8.43E-03	1.74E-03	9.03E-03	1.04E-03
1610	437611	3725985	5.50E-03	1.16E-03	5.91E-03	7.26E-04
1611	437596.6	3725981	5.39E-03	1.14E-03	5.80E-03	7.13E-04
1612	437582.2	3725976	5.28E-03	1.12E-03	5.68E-03	7.00E-04
1613	437567.9	3725971	5.17E-03	1.10E-03	5.57E-03	6.87E-04
1614	437553.5	3725966	5.07E-03	1.08E-03	5.46E-03	6.74E-04
1615	437539.2	3725962	4.97E-03	1.06E-03	5.35E-03	6.62E-04
1616	437524.8	3725957	4.87E-03	1.03E-03	5.24E-03	6.49E-04
1617	437510.4	3725952	4.78E-03	1.02E-03	5.15E-03	6.38E-04
1618	437467.4	3725938	4.48E-03	9.52E-04	4.82E-03	5.99E-04
1619	437453	3725933	4.38E-03	9.32E-04	4.72E-03	5.87E-04
1620	437438.6	3725929	4.29E-03	9.12E-04	4.62E-03	5.74E-04
1621	437424.3	3725924	4.19E-03	8.91E-04	4.51E-03	5.61E-04
1622	437409.9	3725919	4.09E-03	8.69E-04	4.40E-03	5.48E-04
1623	437381.2	3725910	3.82E-03	8.13E-04	4.12E-03	5.12E-04
1624	437366.8	3725905	3.68E-03	7.83E-04	3.97E-03	4.93E-04
1625	437352.5	3725900	3.55E-03	7.54E-04	3.82E-03	4.74E-04
1626	438177.4	3725820	7.20E-03	1.47E-03	7.70E-03	8.66E-04
1627	438187.3	3725808	7.12E-03	1.46E-03	7.62E-03	8.57E-04
1628	438196.2	3725855	6.55E-03	1.34E-03	7.00E-03	7.90E-04
1629	438182.8	3725862	6.69E-03	1.37E-03	7.16E-03	8.08E-04
1630	438169.3	3725869	6.82E-03	1.40E-03	7.30E-03	8.24E-04
1631	438155.8	3725875	6.95E-03	1.42E-03	7.43E-03	8.41E-04
1632	438142.3	3725882	7.07E-03	1.45E-03	7.57E-03	8.57E-04
1633	438128.8	3725889	7.18E-03	1.47E-03	7.68E-03	8.71E-04
1634	438115.4	3725896	7.27E-03	1.49E-03	7.78E-03	8.83E-04
1635	438101.9	3725903	7.35E-03	1.51E-03	7.87E-03	8.95E-04
1636	438088.4	3725910	7.42E-03	1.52E-03	7.94E-03	9.04E-04
1637	438074.9	3725917	7.47E-03	1.53E-03	7.99E-03	9.11E-04
1638	438061.4	3725924	7.50E-03	1.54E-03	8.03E-03	9.17E-04
1639	438047.9	3725930	7.51E-03	1.55E-03	8.04E-03	9.21E-04
1640	438034.5	3725937	7.51E-03	1.55E-03	8.04E-03	9.22E-04
1641	438021	3725944	7.50E-03	1.55E-03	8.03E-03	9.23E-04
1642	437556.4	3726006	4.47E-03	9.47E-04	4.81E-03	5.92E-04
1643	437542	3726001	4.40E-03	9.32E-04	4.73E-03	5.83E-04
1644	437527.6	3725997	4.32E-03	9.15E-04	4.65E-03	5.73E-04
1645	437513.2	3725992	4.24E-03	9.00E-04	4.57E-03	5.63E-04
1646	437498.9	3725987	4.16E-03	8.82E-04	4.48E-03	5.53E-04
1647	437484.5	3725983	4.09E-03	8.66E-04	4.40E-03	5.43E-04
1648	437470.1	3725978	4.00E-03	8.49E-04	4.31E-03	5.33E-04
1649	437455.7	3725973	3.92E-03	8.33E-04	4.22E-03	5.22E-04
1650	437398.2	3725954	3.53E-03	7.49E-04	3.80E-03	4.70E-04
1651	437383.9	3725949	3.42E-03	7.25E-04	3.68E-03	4.55E-04
1652	437369.5	3725945	3.30E-03	7.00E-04	3.55E-03	4.39E-04
1653	437312	3725926	2.83E-03	6.00E-04	3.05E-03	3.76E-04
1654	438207.9	3725846	6.45E-03	1.32E-03	6.90E-03	7.77E-04
1655	438217.7	3725834	6.40E-03	1.31E-03	6.84E-03	7.70E-04
1656	438226.7	3725881	5.90E-03	1.21E-03	6.31E-03	7.13E-04
1657	438213.2	3725888	6.03E-03	1.23E-03	6.45E-03	7.28E-04
1658	438199.7	3725894	6.16E-03	1.26E-03	6.58E-03	7.44E-04
1659	438186.2	3725901	6.27E-03	1.28E-03	6.71E-03	7.59E-04

1660	438172.7	3725908	6.37E-03	1.30E-03	6.81E-03	7.72E-04
1661	438159.2	3725915	6.46E-03	1.32E-03	6.91E-03	7.84E-04
1662	438145.7	3725922	6.55E-03	1.34E-03	7.00E-03	7.95E-04
1663	438132.2	3725929	6.62E-03	1.36E-03	7.08E-03	8.05E-04
1664	438118.7	3725936	6.68E-03	1.37E-03	7.15E-03	8.14E-04
1665	438105.2	3725943	6.72E-03	1.38E-03	7.19E-03	8.20E-04
1666	438091.8	3725949	6.74E-03	1.38E-03	7.21E-03	8.24E-04
1667	438078.3	3725956	6.74E-03	1.39E-03	7.21E-03	8.25E-04
1668	438064.8	3725963	6.73E-03	1.38E-03	7.20E-03	8.26E-04
1669	438051.3	3725970	6.71E-03	1.38E-03	7.19E-03	8.26E-04
1670	437501.7	3726027	3.73E-03	7.88E-04	4.01E-03	4.92E-04
1671	437487.3	3726022	3.66E-03	7.75E-04	3.94E-03	4.84E-04
1672	437472.9	3726018	3.60E-03	7.61E-04	3.87E-03	4.76E-04
1673	437458.5	3726013	3.53E-03	7.46E-04	3.79E-03	4.66E-04
1674	437444.2	3726008	3.45E-03	7.31E-04	3.71E-03	4.57E-04
1675	437415.4	3725999	3.25E-03	6.89E-04	3.50E-03	4.31E-04
1676	437401	3725994	3.15E-03	6.68E-04	3.39E-03	4.17E-04
1677	437386.6	3725989	3.06E-03	6.47E-04	3.29E-03	4.05E-04
1678	437372.2	3725985	2.96E-03	6.27E-04	3.19E-03	3.92E-04
1679	437329	3725970	2.67E-03	5.65E-04	2.87E-03	3.53E-04
1680	437314.7	3725966	2.58E-03	5.45E-04	2.77E-03	3.40E-04
1681	437300.3	3725961	2.49E-03	5.25E-04	2.67E-03	3.28E-04
1682	437285.9	3725956	2.40E-03	5.07E-04	2.58E-03	3.16E-04
1683	438238.4	3725872	5.82E-03	1.19E-03	6.22E-03	7.02E-04
1684	438248.2	3725860	5.77E-03	1.18E-03	6.17E-03	6.95E-04
1685	438257.2	3725907	5.36E-03	1.10E-03	5.74E-03	6.48E-04
1686	438243.6	3725914	5.48E-03	1.12E-03	5.86E-03	6.62E-04
1687	438230.1	3725920	5.58E-03	1.14E-03	5.97E-03	6.75E-04
1688	438216.6	3725927	5.68E-03	1.16E-03	6.07E-03	6.88E-04
1689	438203.1	3725934	5.77E-03	1.18E-03	6.17E-03	7.00E-04
1690	438189.6	3725941	5.86E-03	1.20E-03	6.27E-03	7.11E-04
1691	438176.1	3725948	5.94E-03	1.22E-03	6.36E-03	7.22E-04
1692	438162.6	3725955	6.02E-03	1.23E-03	6.44E-03	7.32E-04
1693	438149.1	3725962	6.07E-03	1.25E-03	6.49E-03	7.39E-04
1694	438135.6	3725969	6.10E-03	1.25E-03	6.53E-03	7.44E-04
1695	438122.1	3725975	6.11E-03	1.26E-03	6.54E-03	7.47E-04
1696	438108.6	3725982	6.11E-03	1.26E-03	6.54E-03	7.48E-04
1697	438095.1	3725989	6.11E-03	1.26E-03	6.54E-03	7.49E-04
1698	438081.6	3725996	6.10E-03	1.26E-03	6.53E-03	7.49E-04
1699	437519	3726072	3.40E-03	7.18E-04	3.66E-03	4.47E-04
1700	437504.6	3726067	3.35E-03	7.08E-04	3.61E-03	4.41E-04
1701	437418.2	3726039	2.93E-03	6.18E-04	3.15E-03	3.85E-04
1702	437403.8	3726034	2.84E-03	6.00E-04	3.05E-03	3.74E-04
1703	437389.4	3726029	2.75E-03	5.82E-04	2.96E-03	3.62E-04
1704	437346.2	3726015	2.51E-03	5.30E-04	2.70E-03	3.30E-04
1705	437331.8	3726010	2.43E-03	5.13E-04	2.61E-03	3.19E-04
1706	437317.4	3726005	2.35E-03	4.97E-04	2.53E-03	3.09E-04
1707	437303	3726001	2.28E-03	4.81E-04	2.45E-03	2.99E-04
1708	437288.6	3725996	2.20E-03	4.65E-04	2.37E-03	2.89E-04
1709	437274.2	3725991	2.13E-03	4.49E-04	2.29E-03	2.79E-04
1710	437259.8	3725986	2.06E-03	4.33E-04	2.21E-03	2.69E-04
1711	438268.8	3725897	5.28E-03	1.08E-03	5.65E-03	6.38E-04

1712	438278.7	3725886	5.23E-03	1.07E-03	5.59E-03	6.31E-04
1713	438287.6	3725933	4.87E-03	9.97E-04	5.21E-03	5.89E-04
1714	438274.1	3725939	4.98E-03	1.02E-03	5.33E-03	6.03E-04
1715	438260.6	3725946	5.09E-03	1.04E-03	5.44E-03	6.16E-04
1716	438247.1	3725953	5.19E-03	1.06E-03	5.55E-03	6.28E-04
1717	438233.5	3725960	5.27E-03	1.08E-03	5.64E-03	6.39E-04
1718	438220	3725967	5.34E-03	1.10E-03	5.72E-03	6.49E-04
1719	438206.5	3725974	5.41E-03	1.11E-03	5.79E-03	6.58E-04
1720	438193	3725981	5.48E-03	1.12E-03	5.86E-03	6.66E-04
1721	438179.5	3725988	5.53E-03	1.13E-03	5.92E-03	6.73E-04
1722	438166	3725995	5.57E-03	1.14E-03	5.96E-03	6.80E-04
1723	438152.5	3726001	5.60E-03	1.15E-03	6.00E-03	6.84E-04
1724	438138.9	3726008	5.62E-03	1.16E-03	6.02E-03	6.88E-04
1725	438125.4	3726015	5.63E-03	1.16E-03	6.03E-03	6.90E-04
1726	438111.9	3726022	5.62E-03	1.16E-03	6.01E-03	6.89E-04
1727	437493	3726102	2.99E-03	6.30E-04	3.21E-03	3.91E-04
1728	437478.6	3726097	2.93E-03	6.17E-04	3.15E-03	3.83E-04
1729	437464.2	3726093	2.86E-03	6.04E-04	3.08E-03	3.75E-04
1730	437449.8	3726088	2.79E-03	5.89E-04	3.00E-03	3.66E-04
1731	437435.4	3726083	2.72E-03	5.74E-04	2.93E-03	3.57E-04
1732	437363.3	3726059	2.36E-03	4.98E-04	2.54E-03	3.09E-04
1733	437348.9	3726055	2.30E-03	4.84E-04	2.47E-03	3.00E-04
1734	437334.5	3726050	2.23E-03	4.70E-04	2.40E-03	2.92E-04
1735	437320.1	3726045	2.16E-03	4.56E-04	2.32E-03	2.83E-04
1736	437305.7	3726040	2.10E-03	4.42E-04	2.26E-03	2.74E-04
1737	437291.3	3726036	2.04E-03	4.29E-04	2.19E-03	2.66E-04
1738	437276.9	3726031	1.97E-03	4.16E-04	2.12E-03	2.57E-04
1739	437262.5	3726026	1.91E-03	4.02E-04	2.05E-03	2.49E-04
1740	437248.1	3726021	1.85E-03	3.89E-04	1.99E-03	2.41E-04
1741	437233.6	3726017	1.79E-03	3.76E-04	1.92E-03	2.33E-04
1742	438299.3	3725923	4.79E-03	9.81E-04	5.13E-03	5.79E-04
1743	438309.1	3725912	4.74E-03	9.71E-04	5.07E-03	5.73E-04
1744	438304.5	3725965	4.54E-03	9.31E-04	4.86E-03	5.50E-04
1745	438291	3725972	4.65E-03	9.53E-04	4.98E-03	5.64E-04
1746	438277.5	3725979	4.76E-03	9.75E-04	5.09E-03	5.77E-04
1747	438264	3725986	4.83E-03	9.91E-04	5.17E-03	5.87E-04
1748	438250.4	3725993	4.90E-03	1.01E-03	5.25E-03	5.95E-04
1749	438236.9	3726000	4.96E-03	1.02E-03	5.31E-03	6.03E-04
1750	438223.4	3726007	5.01E-03	1.03E-03	5.36E-03	6.10E-04
1751	438209.9	3726014	5.06E-03	1.04E-03	5.42E-03	6.17E-04
1752	438196.3	3726021	5.11E-03	1.05E-03	5.47E-03	6.23E-04
1753	438182.8	3726027	5.15E-03	1.06E-03	5.51E-03	6.29E-04
1754	438169.3	3726034	5.18E-03	1.06E-03	5.54E-03	6.33E-04
1755	438155.8	3726041	5.20E-03	1.07E-03	5.57E-03	6.37E-04
1756	438142.3	3726048	5.21E-03	1.07E-03	5.57E-03	6.39E-04
1757	437452.7	3726128	2.54E-03	5.34E-04	2.73E-03	3.31E-04
1758	437438.2	3726123	2.48E-03	5.21E-04	2.66E-03	3.23E-04
1759	437423.8	3726118	2.41E-03	5.09E-04	2.60E-03	3.15E-04
1760	437409.4	3726113	2.36E-03	4.96E-04	2.53E-03	3.07E-04
1761	437366.1	3726099	2.17E-03	4.56E-04	2.33E-03	2.83E-04
1762	437351.7	3726094	2.11E-03	4.44E-04	2.27E-03	2.75E-04
1763	437337.3	3726090	2.05E-03	4.32E-04	2.21E-03	2.68E-04

1764	437322.9	3726085	2.00E-03	4.20E-04	2.15E-03	2.60E-04
1765	437308.5	3726080	1.94E-03	4.09E-04	2.09E-03	2.53E-04
1766	437294.1	3726075	1.89E-03	3.97E-04	2.03E-03	2.46E-04
1767	437279.6	3726071	1.83E-03	3.86E-04	1.97E-03	2.38E-04
1768	437265.2	3726066	1.78E-03	3.75E-04	1.91E-03	2.31E-04
1769	437250.8	3726061	1.73E-03	3.64E-04	1.86E-03	2.25E-04
1770	437236.4	3726057	1.68E-03	3.53E-04	1.80E-03	2.18E-04
1771	437222	3726052	1.63E-03	3.42E-04	1.75E-03	2.11E-04
1772	437207.5	3726047	1.58E-03	3.31E-04	1.69E-03	2.04E-04
1773	438241.6	3726039	4.67E-03	9.58E-04	4.99E-03	5.69E-04
1774	438228.2	3726046	4.70E-03	9.66E-04	5.03E-03	5.73E-04
1775	438214.9	3726053	4.74E-03	9.73E-04	5.07E-03	5.78E-04
1776	438201.5	3726059	4.77E-03	9.81E-04	5.11E-03	5.83E-04
1777	438188.1	3726066	4.80E-03	9.87E-04	5.14E-03	5.87E-04
1778	438174.7	3726073	4.82E-03	9.91E-04	5.16E-03	5.90E-04
1779	437388	3726145	2.06E-03	4.34E-04	2.22E-03	2.68E-04
1780	437359.5	3726136	1.96E-03	4.13E-04	2.11E-03	2.55E-04
1781	437345.2	3726131	1.92E-03	4.03E-04	2.06E-03	2.49E-04
1782	437331	3726126	1.87E-03	3.94E-04	2.01E-03	2.43E-04
1783	437316.7	3726122	1.83E-03	3.84E-04	1.96E-03	2.37E-04
1784	437302.5	3726117	1.78E-03	3.74E-04	1.91E-03	2.31E-04
1785	437288.2	3726112	1.73E-03	3.64E-04	1.86E-03	2.25E-04
1786	437273.9	3726108	1.69E-03	3.55E-04	1.82E-03	2.19E-04
1787	437259.7	3726103	1.65E-03	3.46E-04	1.77E-03	2.13E-04
1788	437245.4	3726098	1.61E-03	3.37E-04	1.73E-03	2.08E-04
1789	437231.2	3726094	1.56E-03	3.29E-04	1.68E-03	2.02E-04
1790	437216.9	3726089	1.52E-03	3.20E-04	1.64E-03	1.97E-04
1791	437202.6	3726084	1.48E-03	3.10E-04	1.59E-03	1.91E-04
1792	437188.4	3726080	1.44E-03	3.02E-04	1.55E-03	1.86E-04
1793	437347.9	3726171	1.80E-03	3.78E-04	1.93E-03	2.33E-04
1794	437333.6	3726166	1.76E-03	3.70E-04	1.89E-03	2.28E-04
1795	437319.3	3726162	1.72E-03	3.62E-04	1.85E-03	2.23E-04
1796	437305	3726157	1.69E-03	3.54E-04	1.81E-03	2.18E-04
1797	437290.8	3726152	1.65E-03	3.46E-04	1.77E-03	2.13E-04
1798	437276.5	3726147	1.61E-03	3.38E-04	1.73E-03	2.08E-04
1799	437262.2	3726143	1.57E-03	3.30E-04	1.69E-03	2.03E-04
1800	437247.9	3726138	1.53E-03	3.22E-04	1.65E-03	1.98E-04
1801	437233.7	3726133	1.50E-03	3.14E-04	1.61E-03	1.93E-04
1802	437219.4	3726129	1.46E-03	3.06E-04	1.57E-03	1.89E-04
1803	437205.1	3726124	1.42E-03	2.99E-04	1.53E-03	1.84E-04
1804	437190.8	3726119	1.39E-03	2.92E-04	1.49E-03	1.79E-04
1805	437176.5	3726115	1.36E-03	2.85E-04	1.46E-03	1.75E-04
1806	437162.3	3726110	1.33E-03	2.79E-04	1.43E-03	1.71E-04
1807	437336.2	3726206	1.68E-03	3.53E-04	1.81E-03	2.17E-04
1808	437321.9	3726201	1.64E-03	3.44E-04	1.76E-03	2.12E-04
1809	437307.6	3726197	1.60E-03	3.36E-04	1.72E-03	2.07E-04
1810	437293.4	3726192	1.57E-03	3.29E-04	1.69E-03	2.02E-04
1811	437279.1	3726187	1.54E-03	3.22E-04	1.65E-03	1.98E-04
1812	437264.8	3726182	1.51E-03	3.16E-04	1.62E-03	1.94E-04
1813	437250.5	3726178	1.48E-03	3.10E-04	1.59E-03	1.91E-04
1814	437236.2	3726173	1.45E-03	3.04E-04	1.56E-03	1.87E-04
1815	437221.9	3726168	1.42E-03	2.97E-04	1.52E-03	1.82E-04

1816	437207.6	3726164	1.39E-03	2.91E-04	1.49E-03	1.79E-04
1817	437193.3	3726159	1.36E-03	2.84E-04	1.46E-03	1.74E-04
1818	437179	3726154	1.32E-03	2.77E-04	1.42E-03	1.70E-04
1819	437164.7	3726150	1.29E-03	2.71E-04	1.39E-03	1.66E-04
1820	437150.5	3726145	1.27E-03	2.66E-04	1.36E-03	1.63E-04
1821	437136.2	3726140	1.25E-03	2.61E-04	1.34E-03	1.60E-04
1822	437396.1	3726264	1.76E-03	3.69E-04	1.89E-03	2.27E-04
1823	437324.6	3726241	1.58E-03	3.32E-04	1.70E-03	2.04E-04
1824	437310.3	3726236	1.54E-03	3.22E-04	1.65E-03	1.98E-04
1825	437296	3726232	1.50E-03	3.14E-04	1.61E-03	1.93E-04
1826	437281.7	3726227	1.46E-03	3.06E-04	1.57E-03	1.88E-04
1827	437267.4	3726222	1.43E-03	3.00E-04	1.54E-03	1.84E-04
1828	437253.1	3726218	1.41E-03	2.95E-04	1.51E-03	1.81E-04
1829	437238.8	3726213	1.39E-03	2.91E-04	1.49E-03	1.79E-04
1830	437224.5	3726208	1.37E-03	2.87E-04	1.47E-03	1.76E-04
1831	437210.2	3726203	1.35E-03	2.82E-04	1.45E-03	1.73E-04
1832	437195.9	3726199	1.32E-03	2.77E-04	1.42E-03	1.70E-04
1833	437181.6	3726194	1.29E-03	2.70E-04	1.39E-03	1.66E-04
1834	437167.3	3726189	1.26E-03	2.64E-04	1.35E-03	1.62E-04
1835	437153	3726185	1.23E-03	2.58E-04	1.33E-03	1.58E-04
1836	437138.7	3726180	1.21E-03	2.53E-04	1.30E-03	1.55E-04
1837	437124.4	3726175	1.19E-03	2.48E-04	1.27E-03	1.52E-04
1838	437110.1	3726171	1.17E-03	2.44E-04	1.25E-03	1.49E-04
1839	437095.8	3726166	1.14E-03	2.38E-04	1.22E-03	1.46E-04
1840	437413.2	3726309	1.69E-03	3.54E-04	1.81E-03	2.17E-04
1841	437398.9	3726304	1.67E-03	3.50E-04	1.80E-03	2.15E-04
1842	437384.5	3726300	1.66E-03	3.47E-04	1.78E-03	2.13E-04
1843	437370.2	3726295	1.63E-03	3.41E-04	1.75E-03	2.10E-04
1844	437355.9	3726290	1.60E-03	3.34E-04	1.71E-03	2.05E-04
1845	437341.6	3726285	1.56E-03	3.27E-04	1.68E-03	2.01E-04
1846	437327.3	3726281	1.53E-03	3.20E-04	1.64E-03	1.96E-04
1847	437313	3726276	1.49E-03	3.12E-04	1.60E-03	1.91E-04
1848	437298.7	3726271	1.45E-03	3.03E-04	1.56E-03	1.86E-04
1849	437284.3	3726267	1.41E-03	2.95E-04	1.52E-03	1.81E-04
1850	437270	3726262	1.38E-03	2.88E-04	1.48E-03	1.77E-04
1851	437255.7	3726257	1.34E-03	2.81E-04	1.44E-03	1.73E-04
1852	437241.4	3726253	1.32E-03	2.76E-04	1.42E-03	1.69E-04
1853	437227.1	3726248	1.30E-03	2.71E-04	1.39E-03	1.66E-04
1854	437212.8	3726243	1.28E-03	2.68E-04	1.38E-03	1.64E-04
1855	437198.5	3726238	1.27E-03	2.65E-04	1.36E-03	1.62E-04
1856	437184.1	3726234	1.25E-03	2.61E-04	1.34E-03	1.60E-04
1857	437169.8	3726229	1.23E-03	2.57E-04	1.32E-03	1.57E-04
1858	437155.5	3726224	1.20E-03	2.52E-04	1.29E-03	1.54E-04
1859	437141.2	3726220	1.18E-03	2.47E-04	1.27E-03	1.51E-04
1860	437126.9	3726215	1.15E-03	2.41E-04	1.24E-03	1.48E-04
1861	437112.6	3726210	1.13E-03	2.36E-04	1.21E-03	1.44E-04
1862	437098.3	3726206	1.11E-03	2.31E-04	1.19E-03	1.42E-04
1863	437084	3726201	1.08E-03	2.27E-04	1.17E-03	1.39E-04
1864	437069.6	3726196	1.06E-03	2.22E-04	1.14E-03	1.36E-04
1865	437743.6	3725409	2.83E-01	5.65E-02	3.02E-01	3.18E-02
1866	437750.6	3725403	2.83E-01	5.63E-02	3.01E-01	3.16E-02
1867	437753.7	3725417	2.26E-01	4.51E-02	2.41E-01	2.55E-02

1868	437757.4	3725396	2.79E-01	5.55E-02	2.97E-01	3.11E-02
1869	437762.6	3725406	2.30E-01	4.59E-02	2.45E-01	2.58E-02
1870	437763.5	3725417	2.03E-01	4.05E-02	2.16E-01	2.29E-02
1871	437759.9	3725427	1.87E-01	3.74E-02	1.99E-01	2.11E-02
1872	437764.1	3725389	2.70E-01	5.36E-02	2.87E-01	3.01E-02
1873	437769.7	3725399	2.23E-01	4.44E-02	2.37E-01	2.50E-02
1874	437773.3	3725416	1.82E-01	3.63E-02	1.93E-01	2.05E-02
1875	437769.5	3725428	1.69E-01	3.38E-02	1.80E-01	1.92E-02
1876	437770.8	3725381	2.56E-01	5.09E-02	2.72E-01	2.86E-02
1877	437776.5	3725392	2.14E-01	4.26E-02	2.28E-01	2.40E-02
1878	437782.3	3725404	1.81E-01	3.60E-02	1.92E-01	2.03E-02
1879	437783.2	3725416	1.63E-01	3.25E-02	1.73E-01	1.84E-02
1880	437777.4	3725374	2.41E-01	4.79E-02	2.56E-01	2.69E-02
1881	437783.3	3725385	2.03E-01	4.05E-02	2.16E-01	2.27E-02
1882	437789.2	3725397	1.73E-01	3.45E-02	1.84E-01	1.94E-02
1883	437785	3725440	1.31E-01	2.62E-02	1.39E-01	1.49E-02
1884	437783.9	3725366	2.25E-01	4.47E-02	2.39E-01	2.51E-02
1885	437790	3725378	1.92E-01	3.81E-02	2.04E-01	2.14E-02
1886	437796	3725390	1.64E-01	3.27E-02	1.74E-01	1.84E-02
1887	437798.9	3725427	1.26E-01	2.52E-02	1.34E-01	1.43E-02
1888	437794.8	3725440	1.20E-01	2.40E-02	1.28E-01	1.37E-02
1889	437790.5	3725359	2.08E-01	4.14E-02	2.21E-01	2.32E-02
1890	437796.6	3725371	1.79E-01	3.57E-02	1.91E-01	2.01E-02
1891	437802.8	3725383	1.55E-01	3.08E-02	1.65E-01	1.74E-02
1892	437813	3725414	1.17E-01	2.34E-02	1.25E-01	1.33E-02
1893	437808.8	3725427	1.14E-01	2.28E-02	1.21E-01	1.30E-02
1894	437804.6	3725439	1.10E-01	2.20E-02	1.17E-01	1.25E-02
1895	437800.4	3725452	1.05E-01	2.10E-02	1.11E-01	1.20E-02
1896	437797	3725351	1.92E-01	3.82E-02	2.04E-01	2.15E-02
1897	437803.3	3725363	1.67E-01	3.33E-02	1.78E-01	1.87E-02
1898	437809.5	3725376	1.45E-01	2.90E-02	1.55E-01	1.63E-02
1899	437821.9	3725400	1.12E-01	2.24E-02	1.19E-01	1.27E-02
1900	437822.9	3725413	1.05E-01	2.10E-02	1.12E-01	1.19E-02
1901	437818.7	3725426	1.03E-01	2.07E-02	1.10E-01	1.17E-02
1902	437814.4	3725439	1.00E-01	2.01E-02	1.07E-01	1.14E-02
1903	437810.2	3725452	9.65E-02	1.94E-02	1.03E-01	1.11E-02
1904	437806	3725465	9.23E-02	1.86E-02	9.84E-02	1.06E-02
1905	437803.6	3725344	1.77E-01	3.51E-02	1.88E-01	1.97E-02
1906	437809.9	3725356	1.55E-01	3.09E-02	1.65E-01	1.74E-02
1907	437816.2	3725368	1.36E-01	2.72E-02	1.45E-01	1.53E-02
1908	437828.7	3725393	1.06E-01	2.12E-02	1.13E-01	1.20E-02
1909	437832.9	3725412	9.45E-02	1.89E-02	1.01E-01	1.07E-02
1910	437828.6	3725425	9.36E-02	1.87E-02	9.97E-02	1.07E-02
1911	437824.3	3725439	9.16E-02	1.84E-02	9.76E-02	1.05E-02
1912	437820	3725452	8.89E-02	1.79E-02	9.48E-02	1.02E-02
1913	437815.7	3725465	8.58E-02	1.72E-02	9.14E-02	9.88E-03
1914	437816.7	3725329	1.47E-01	2.92E-02	1.56E-01	1.64E-02
1915	437823	3725341	1.32E-01	2.63E-02	1.40E-01	1.48E-02
1916	437829.4	3725354	1.18E-01	2.36E-02	1.26E-01	1.33E-02
1917	437842.2	3725379	9.42E-02	1.88E-02	1.00E-01	1.07E-02
1918	437848.6	3725391	8.47E-02	1.69E-02	9.02E-02	9.61E-03
1919	437852.8	3725411	7.70E-02	1.54E-02	8.20E-02	8.78E-03

1920	437848.4	3725424	7.72E-02	1.55E-02	8.22E-02	8.81E-03
1921	437844.1	3725438	7.66E-02	1.54E-02	8.16E-02	8.76E-03
1922	437831	3725478	7.15E-02	1.44E-02	7.62E-02	8.27E-03
1923	437829.7	3725314	1.21E-01	2.42E-02	1.29E-01	1.36E-02
1924	437836.2	3725326	1.12E-01	2.23E-02	1.19E-01	1.26E-02
1925	437842.6	3725339	1.02E-01	2.03E-02	1.08E-01	1.15E-02
1926	437855.5	3725364	8.31E-02	1.66E-02	8.85E-02	9.41E-03
1927	437862	3725377	7.54E-02	1.51E-02	8.03E-02	8.56E-03
1928	437868.4	3725390	6.86E-02	1.37E-02	7.30E-02	7.81E-03
1929	437872.7	3725409	6.34E-02	1.27E-02	6.75E-02	7.25E-03
1930	437859.5	3725450	6.38E-02	1.28E-02	6.80E-02	7.34E-03
1931	437855.1	3725463	6.30E-02	1.27E-02	6.71E-02	7.26E-03
1932	437850.7	3725477	6.17E-02	1.24E-02	6.58E-02	7.14E-03
1933	437846.3	3725491	6.01E-02	1.21E-02	6.41E-02	6.98E-03
1934	437842.8	3725298	1.02E-01	2.03E-02	1.08E-01	1.15E-02
1935	437849.3	3725311	9.54E-02	1.90E-02	1.02E-01	1.07E-02
1936	437855.8	3725324	8.84E-02	1.76E-02	9.41E-02	9.97E-03
1937	437868.8	3725350	7.37E-02	1.47E-02	7.85E-02	8.35E-03
1938	437875.3	3725362	6.73E-02	1.35E-02	7.17E-02	7.65E-03
1939	437881.8	3725375	6.15E-02	1.23E-02	6.56E-02	7.02E-03
1940	437888.3	3725388	5.63E-02	1.13E-02	6.00E-02	6.44E-03
1941	437888.2	3725421	5.36E-02	1.08E-02	5.71E-02	6.15E-03
1942	437879.3	3725449	5.42E-02	1.09E-02	5.78E-02	6.25E-03
1943	437874.9	3725462	5.40E-02	1.09E-02	5.76E-02	6.24E-03
1944	437855.8	3725283	8.55E-02	1.71E-02	9.10E-02	9.64E-03
1945	437862.4	3725296	8.16E-02	1.63E-02	8.69E-02	9.21E-03
1946	437868.9	3725309	7.66E-02	1.53E-02	8.16E-02	8.66E-03
1947	437882	3725335	6.60E-02	1.32E-02	7.03E-02	7.49E-03
1948	437888.6	3725348	6.05E-02	1.21E-02	6.45E-02	6.89E-03
1949	437895.1	3725361	5.58E-02	1.12E-02	5.95E-02	6.37E-03
1950	437901.7	3725374	5.16E-02	1.04E-02	5.50E-02	5.90E-03
1951	437912.5	3725406	4.45E-02	8.96E-03	4.75E-02	5.12E-03
1952	437908.1	3725420	4.52E-02	9.08E-03	4.81E-02	5.20E-03
1953	437903.6	3725434	4.58E-02	9.21E-03	4.88E-02	5.28E-03
1954	437881.3	3725503	4.49E-02	9.08E-03	4.79E-02	5.24E-03
1955	437876.8	3725516	4.40E-02	8.89E-03	4.69E-02	5.14E-03
1956	437868.9	3725268	7.19E-02	1.44E-02	7.66E-02	8.13E-03
1957	437875.4	3725281	6.95E-02	1.39E-02	7.40E-02	7.86E-03
1958	437882	3725294	6.63E-02	1.33E-02	7.06E-02	7.51E-03
1959	437895.2	3725320	5.90E-02	1.18E-02	6.28E-02	6.70E-03
1960	437901.8	3725333	5.51E-02	1.10E-02	5.87E-02	6.28E-03
1961	437908.4	3725346	5.12E-02	1.03E-02	5.46E-02	5.85E-03
1962	437914.9	3725359	4.76E-02	9.56E-03	5.08E-02	5.45E-03
1963	437928.1	3725385	4.09E-02	8.23E-03	4.37E-02	4.71E-03
1964	437932.5	3725405	3.85E-02	7.74E-03	4.10E-02	4.44E-03
1965	437928	3725419	3.87E-02	7.80E-03	4.13E-02	4.47E-03
1966	437923.5	3725432	3.91E-02	7.88E-03	4.17E-02	4.52E-03
1967	437919	3725446	3.94E-02	7.94E-03	4.20E-02	4.56E-03
1968	437910	3725474	4.00E-02	8.06E-03	4.26E-02	4.64E-03
1969	437905.6	3725488	3.98E-02	8.04E-03	4.25E-02	4.63E-03
1970	437901.1	3725502	3.94E-02	7.96E-03	4.21E-02	4.60E-03
1971	437896.6	3725515	3.88E-02	7.85E-03	4.14E-02	4.54E-03

1972	437892.1	3725529	3.81E-02	7.71E-03	4.06E-02	4.46E-03
1973	437881.9	3725253	6.08E-02	1.22E-02	6.47E-02	6.89E-03
1974	437888.5	3725266	5.96E-02	1.19E-02	6.35E-02	6.76E-03
1975	437895.1	3725279	5.76E-02	1.15E-02	6.13E-02	6.54E-03
1976	437908.3	3725305	5.25E-02	1.05E-02	5.59E-02	5.98E-03
1977	437915	3725318	4.97E-02	9.96E-03	5.29E-02	5.67E-03
1978	437921.6	3725331	4.68E-02	9.38E-03	4.99E-02	5.35E-03
1979	437928.2	3725344	4.38E-02	8.80E-03	4.67E-02	5.02E-03
1980	437941.4	3725370	3.83E-02	7.69E-03	4.08E-02	4.40E-03
1981	437948	3725383	3.58E-02	7.20E-03	3.81E-02	4.13E-03
1982	437952.4	3725403	3.37E-02	6.79E-03	3.60E-02	3.90E-03
1983	437947.9	3725417	3.39E-02	6.83E-03	3.62E-02	3.92E-03
1984	437943.4	3725431	3.43E-02	6.91E-03	3.65E-02	3.97E-03
1985	437938.9	3725445	3.45E-02	6.96E-03	3.68E-02	4.00E-03
1986	437934.4	3725459	3.47E-02	6.99E-03	3.70E-02	4.03E-03
1987	437925.4	3725487	3.48E-02	7.02E-03	3.71E-02	4.05E-03
1988	437920.9	3725500	3.46E-02	6.99E-03	3.69E-02	4.04E-03
1989	437916.4	3725514	3.43E-02	6.94E-03	3.66E-02	4.01E-03
1990	437911.9	3725528	3.39E-02	6.86E-03	3.61E-02	3.97E-03
1991	437894.9	3725238	5.18E-02	1.04E-02	5.52E-02	5.89E-03
1992	437901.6	3725251	5.13E-02	1.03E-02	5.46E-02	5.83E-03
1993	437908.2	3725264	5.02E-02	1.01E-02	5.35E-02	5.71E-03
1994	437921.5	3725290	4.67E-02	9.36E-03	4.98E-02	5.33E-03
1995	437928.1	3725303	4.46E-02	8.95E-03	4.76E-02	5.10E-03
1996	437934.8	3725316	4.24E-02	8.52E-03	4.52E-02	4.86E-03
1997	437941.4	3725329	4.02E-02	8.07E-03	4.28E-02	4.61E-03
1998	437954.7	3725355	3.56E-02	7.15E-03	3.79E-02	4.09E-03
1999	437961.3	3725369	3.35E-02	6.74E-03	3.57E-02	3.86E-03
2000	437967.9	3725382	3.16E-02	6.37E-03	3.37E-02	3.66E-03
2001	437972.3	3725402	3.00E-02	6.05E-03	3.20E-02	3.48E-03
2002	437967.8	3725416	3.02E-02	6.08E-03	3.22E-02	3.50E-03
2003	437963.3	3725430	3.03E-02	6.12E-03	3.24E-02	3.52E-03
2004	437958.8	3725443	3.05E-02	6.15E-03	3.25E-02	3.54E-03
2005	437954.2	3725457	3.05E-02	6.16E-03	3.26E-02	3.55E-03
2006	437949.7	3725471	3.05E-02	6.15E-03	3.25E-02	3.55E-03
2007	437940.7	3725499	3.05E-02	6.16E-03	3.25E-02	3.56E-03
2008	437936.2	3725513	3.04E-02	6.14E-03	3.24E-02	3.55E-03
2009	437931.6	3725527	3.02E-02	6.11E-03	3.22E-02	3.54E-03
2010	437908	3725223	4.45E-02	8.93E-03	4.75E-02	5.08E-03
2011	437914.6	3725236	4.43E-02	8.89E-03	4.72E-02	5.05E-03
2012	437921.3	3725249	4.38E-02	8.78E-03	4.66E-02	4.99E-03
2013	437934.6	3725275	4.15E-02	8.33E-03	4.42E-02	4.74E-03
2014	437941.3	3725288	4.00E-02	8.03E-03	4.27E-02	4.58E-03
2015	437947.9	3725301	3.84E-02	7.72E-03	4.10E-02	4.40E-03
2016	437954.6	3725314	3.66E-02	7.36E-03	3.90E-02	4.20E-03
2017	437967.9	3725341	3.29E-02	6.62E-03	3.51E-02	3.79E-03
2018	437974.5	3725354	3.11E-02	6.27E-03	3.32E-02	3.59E-03
2019	437981.2	3725367	2.96E-02	5.95E-03	3.15E-02	3.42E-03
2020	437987.9	3725380	2.80E-02	5.65E-03	2.99E-02	3.25E-03
2021	437992.3	3725400	2.67E-02	5.38E-03	2.84E-02	3.10E-03
2022	437987.7	3725414	2.69E-02	5.43E-03	2.87E-02	3.13E-03
2023	437983.2	3725428	2.71E-02	5.46E-03	2.89E-02	3.15E-03

2024	437978.6	3725442	2.72E-02	5.48E-03	2.90E-02	3.16E-03
2025	437974.1	3725456	2.71E-02	5.48E-03	2.89E-02	3.16E-03
2026	437969.6	3725470	2.71E-02	5.47E-03	2.89E-02	3.16E-03
2027	437965	3725484	2.70E-02	5.46E-03	2.88E-02	3.16E-03
2028	437956	3725512	2.70E-02	5.45E-03	2.88E-02	3.16E-03
2029	437951.4	3725526	2.69E-02	5.45E-03	2.87E-02	3.16E-03
2030	437946.9	3725540	2.68E-02	5.43E-03	2.86E-02	3.15E-03
2031	437927.7	3725221	3.85E-02	7.72E-03	4.10E-02	4.40E-03
2032	437934.4	3725234	3.82E-02	7.67E-03	4.07E-02	4.37E-03
2033	437947.7	3725260	3.68E-02	7.39E-03	3.92E-02	4.22E-03
2034	437954.4	3725273	3.58E-02	7.19E-03	3.82E-02	4.10E-03
2035	437961.1	3725286	3.46E-02	6.95E-03	3.69E-02	3.97E-03
2036	437967.7	3725300	3.33E-02	6.69E-03	3.55E-02	3.83E-03
2037	437981.1	3725326	3.03E-02	6.10E-03	3.23E-02	3.50E-03
2038	437987.8	3725339	2.89E-02	5.82E-03	3.08E-02	3.34E-03
2039	437994.4	3725352	2.75E-02	5.54E-03	2.93E-02	3.18E-03
2040	438001.1	3725365	2.61E-02	5.27E-03	2.79E-02	3.03E-03
2041	438007.8	3725378	2.48E-02	5.00E-03	2.65E-02	2.88E-03
2042	438012.2	3725399	2.37E-02	4.79E-03	2.53E-02	2.76E-03
2043	438007.6	3725413	2.40E-02	4.85E-03	2.56E-02	2.80E-03
2044	438003.1	3725427	2.41E-02	4.88E-03	2.57E-02	2.81E-03
2045	437998.5	3725441	2.42E-02	4.89E-03	2.58E-02	2.82E-03
2046	437994	3725455	2.42E-02	4.89E-03	2.58E-02	2.83E-03
2047	437989.5	3725469	2.42E-02	4.89E-03	2.58E-02	2.82E-03
2048	437984.9	3725483	2.41E-02	4.88E-03	2.57E-02	2.82E-03
2049	437980.4	3725497	2.41E-02	4.88E-03	2.57E-02	2.82E-03
2050	437971.3	3725525	2.41E-02	4.87E-03	2.57E-02	2.82E-03
2051	437966.7	3725539	2.40E-02	4.86E-03	2.56E-02	2.82E-03
2052	437962.2	3725553	2.39E-02	4.85E-03	2.55E-02	2.81E-03
2053	437912.1	3725196	3.90E-02	7.82E-03	4.15E-02	4.46E-03
2054	437959.9	3725243	3.28E-02	6.59E-03	3.50E-02	3.76E-03
2055	437972.8	3725269	3.13E-02	6.30E-03	3.34E-02	3.60E-03
2056	437979.3	3725281	3.04E-02	6.12E-03	3.24E-02	3.50E-03
2057	437992.3	3725307	2.83E-02	5.69E-03	3.02E-02	3.26E-03
2058	437998.7	3725320	2.72E-02	5.47E-03	2.90E-02	3.14E-03
2059	438005.2	3725333	2.61E-02	5.25E-03	2.78E-02	3.01E-03
2060	438011.7	3725345	2.49E-02	5.02E-03	2.66E-02	2.89E-03
2061	438018.2	3725358	2.38E-02	4.80E-03	2.54E-02	2.76E-03
2062	438024.7	3725371	2.27E-02	4.58E-03	2.42E-02	2.64E-03
2063	438031.2	3725384	2.16E-02	4.37E-03	2.31E-02	2.52E-03
2064	438032.2	3725397	2.12E-02	4.28E-03	2.26E-02	2.47E-03
2065	438027.8	3725410	2.14E-02	4.32E-03	2.28E-02	2.50E-03
2066	438023.4	3725424	2.15E-02	4.35E-03	2.30E-02	2.52E-03
2067	438018.9	3725438	2.16E-02	4.38E-03	2.31E-02	2.53E-03
2068	438014.5	3725451	2.17E-02	4.39E-03	2.32E-02	2.54E-03
2069	438010.1	3725465	2.17E-02	4.39E-03	2.32E-02	2.54E-03
2070	438005.7	3725478	2.17E-02	4.39E-03	2.31E-02	2.54E-03
2071	438001.3	3725492	2.17E-02	4.39E-03	2.31E-02	2.54E-03
2072	437996.9	3725506	2.16E-02	4.38E-03	2.31E-02	2.54E-03
2073	437988	3725533	2.16E-02	4.37E-03	2.30E-02	2.54E-03
2074	437983.6	3725547	2.16E-02	4.37E-03	2.30E-02	2.54E-03
2075	437979.2	3725560	2.15E-02	4.37E-03	2.30E-02	2.54E-03

2076	437974.8	3725574	2.15E-02	4.36E-03	2.29E-02	2.53E-03
2077	437966	3725601	2.12E-02	4.31E-03	2.27E-02	2.51E-03
2078	438005.6	3725272	2.55E-02	5.14E-03	2.72E-02	2.95E-03
2079	438012.2	3725285	2.48E-02	5.00E-03	2.65E-02	2.87E-03
2080	438018.7	3725298	2.40E-02	4.84E-03	2.56E-02	2.78E-03
2081	438025.2	3725311	2.32E-02	4.67E-03	2.47E-02	2.69E-03
2082	438031.7	3725323	2.23E-02	4.51E-03	2.38E-02	2.59E-03
2083	438038.2	3725336	2.15E-02	4.34E-03	2.29E-02	2.50E-03
2084	438044.7	3725349	2.06E-02	4.17E-03	2.20E-02	2.40E-03
2085	438051.3	3725362	1.98E-02	4.00E-03	2.11E-02	2.31E-03
2086	438057.8	3725375	1.89E-02	3.82E-03	2.02E-02	2.21E-03
2087	438062.1	3725394	1.81E-02	3.67E-03	1.94E-02	2.12E-03
2088	438057.6	3725408	1.83E-02	3.70E-03	1.95E-02	2.14E-03
2089	438053.2	3725422	1.84E-02	3.72E-03	1.96E-02	2.15E-03
2090	438048.8	3725436	1.85E-02	3.74E-03	1.97E-02	2.16E-03
2091	438044.3	3725449	1.86E-02	3.76E-03	1.98E-02	2.18E-03
2092	438039.9	3725463	1.87E-02	3.78E-03	1.99E-02	2.19E-03
2093	438035.4	3725477	1.87E-02	3.79E-03	2.00E-02	2.19E-03
2094	438031	3725490	1.87E-02	3.78E-03	1.99E-02	2.19E-03
2095	438026.6	3725504	1.86E-02	3.77E-03	1.99E-02	2.19E-03
2096	438022.1	3725518	1.86E-02	3.78E-03	1.99E-02	2.19E-03
2097	438008.8	3725559	1.86E-02	3.77E-03	1.98E-02	2.19E-03
2098	438004.4	3725573	1.86E-02	3.77E-03	1.99E-02	2.20E-03
2099	437999.9	3725586	1.86E-02	3.78E-03	1.99E-02	2.20E-03
2100	438032	3725263	2.18E-02	4.38E-03	2.32E-02	2.52E-03
2101	438045.1	3725289	2.06E-02	4.15E-03	2.19E-02	2.39E-03
2102	438051.6	3725301	1.99E-02	4.01E-03	2.12E-02	2.31E-03
2103	438058.2	3725314	1.92E-02	3.88E-03	2.05E-02	2.23E-03
2104	438064.7	3725327	1.85E-02	3.74E-03	1.97E-02	2.16E-03
2105	438071.3	3725340	1.79E-02	3.61E-03	1.91E-02	2.09E-03
2106	438077.8	3725353	1.73E-02	3.49E-03	1.84E-02	2.02E-03
2107	438084.4	3725366	1.66E-02	3.35E-03	1.77E-02	1.94E-03
2108	438090.9	3725379	1.59E-02	3.22E-03	1.70E-02	1.86E-03
2109	438092	3725392	1.57E-02	3.17E-03	1.67E-02	1.84E-03
2110	438087.5	3725406	1.58E-02	3.20E-03	1.69E-02	1.85E-03
2111	438083.1	3725420	1.59E-02	3.22E-03	1.70E-02	1.87E-03
2112	438078.6	3725433	1.60E-02	3.24E-03	1.71E-02	1.88E-03
2113	438074.1	3725447	1.60E-02	3.25E-03	1.71E-02	1.88E-03
2114	438069.7	3725461	1.61E-02	3.27E-03	1.72E-02	1.89E-03
2115	438065.2	3725475	1.62E-02	3.28E-03	1.73E-02	1.90E-03
2116	438060.8	3725489	1.62E-02	3.29E-03	1.73E-02	1.91E-03
2117	438056.3	3725502	1.62E-02	3.29E-03	1.73E-02	1.91E-03
2118	438051.8	3725516	1.62E-02	3.29E-03	1.73E-02	1.91E-03
2119	438047.4	3725530	1.62E-02	3.29E-03	1.73E-02	1.91E-03
2120	438042.9	3725544	1.62E-02	3.30E-03	1.73E-02	1.92E-03
2121	438029.5	3725585	1.63E-02	3.31E-03	1.74E-02	1.93E-03
2122	438025.1	3725599	1.63E-02	3.31E-03	1.74E-02	1.93E-03
2123	438020.6	3725612	1.63E-02	3.31E-03	1.74E-02	1.93E-03
2124	438011.7	3725640	1.61E-02	3.28E-03	1.72E-02	1.92E-03
2125	438078.1	3725292	1.72E-02	3.48E-03	1.84E-02	2.01E-03
2126	438084.7	3725305	1.67E-02	3.38E-03	1.78E-02	1.95E-03
2127	438091.2	3725318	1.62E-02	3.27E-03	1.73E-02	1.89E-03

2128	438097.8	3725331	1.57E-02	3.17E-03	1.67E-02	1.83E-03
2129	438104.4	3725344	1.51E-02	3.06E-03	1.61E-02	1.77E-03
2130	438111	3725357	1.46E-02	2.95E-03	1.55E-02	1.71E-03
2131	438117.5	3725370	1.40E-02	2.84E-03	1.50E-02	1.65E-03
2132	438121.9	3725390	1.36E-02	2.75E-03	1.45E-02	1.60E-03
2133	438117.4	3725404	1.37E-02	2.79E-03	1.47E-02	1.62E-03
2134	438112.9	3725417	1.39E-02	2.81E-03	1.48E-02	1.63E-03
2135	438108.4	3725431	1.39E-02	2.83E-03	1.49E-02	1.64E-03
2136	438104	3725445	1.40E-02	2.84E-03	1.49E-02	1.65E-03
2137	438099.5	3725459	1.41E-02	2.86E-03	1.50E-02	1.66E-03
2138	438095	3725473	1.42E-02	2.88E-03	1.51E-02	1.67E-03
2139	438090.5	3725487	1.43E-02	2.89E-03	1.52E-02	1.68E-03
2140	438086	3725500	1.43E-02	2.90E-03	1.53E-02	1.69E-03
2141	438081.6	3725514	1.43E-02	2.90E-03	1.53E-02	1.69E-03
2142	438077.1	3725528	1.43E-02	2.90E-03	1.53E-02	1.69E-03
2143	438072.6	3725542	1.43E-02	2.90E-03	1.53E-02	1.69E-03
2144	438068.1	3725556	1.43E-02	2.90E-03	1.52E-02	1.69E-03
2145	438054.7	3725597	1.44E-02	2.93E-03	1.54E-02	1.71E-03
2146	438050.2	3725611	1.44E-02	2.93E-03	1.54E-02	1.71E-03
2147	438045.7	3725625	1.44E-02	2.93E-03	1.54E-02	1.71E-03
2148	438041.3	3725639	1.43E-02	2.92E-03	1.53E-02	1.70E-03
2149	438104.5	3725283	1.50E-02	3.04E-03	1.61E-02	1.76E-03
2150	438111.1	3725296	1.47E-02	2.97E-03	1.56E-02	1.71E-03
2151	438117.7	3725309	1.42E-02	2.88E-03	1.52E-02	1.66E-03
2152	438124.3	3725322	1.38E-02	2.79E-03	1.47E-02	1.61E-03
2153	438130.9	3725335	1.33E-02	2.69E-03	1.42E-02	1.56E-03
2154	438137.5	3725348	1.29E-02	2.60E-03	1.37E-02	1.51E-03
2155	438144.1	3725361	1.24E-02	2.52E-03	1.33E-02	1.46E-03
2156	438150.7	3725374	1.20E-02	2.43E-03	1.28E-02	1.41E-03
2157	438151.8	3725388	1.19E-02	2.41E-03	1.27E-02	1.40E-03
2158	438147.3	3725401	1.20E-02	2.44E-03	1.28E-02	1.42E-03
2159	438142.8	3725415	1.22E-02	2.47E-03	1.30E-02	1.43E-03
2160	438138.3	3725429	1.23E-02	2.49E-03	1.31E-02	1.45E-03
2161	438133.8	3725443	1.24E-02	2.51E-03	1.32E-02	1.46E-03
2162	438129.3	3725457	1.24E-02	2.52E-03	1.33E-02	1.47E-03
2163	438124.8	3725471	1.25E-02	2.53E-03	1.33E-02	1.47E-03
2164	438120.3	3725485	1.26E-02	2.55E-03	1.34E-02	1.48E-03
2165	438115.8	3725498	1.26E-02	2.57E-03	1.35E-02	1.49E-03
2166	438111.3	3725512	1.27E-02	2.58E-03	1.36E-02	1.50E-03
2167	438106.8	3725526	1.27E-02	2.59E-03	1.36E-02	1.51E-03
2168	438102.3	3725540	1.28E-02	2.59E-03	1.36E-02	1.51E-03
2169	438097.8	3725554	1.28E-02	2.59E-03	1.36E-02	1.51E-03
2170	438093.3	3725568	1.28E-02	2.59E-03	1.36E-02	1.51E-03
2171	438088.9	3725582	1.28E-02	2.60E-03	1.37E-02	1.52E-03
2172	438075.4	3725623	1.29E-02	2.61E-03	1.37E-02	1.53E-03
2173	438070.9	3725637	1.28E-02	2.61E-03	1.37E-02	1.53E-03
2174	438066.4	3725651	1.28E-02	2.60E-03	1.37E-02	1.52E-03
2175	438057.4	3725679	1.27E-02	2.58E-03	1.35E-02	1.51E-03
2176	438137.6	3725287	1.29E-02	2.60E-03	1.37E-02	1.51E-03
2177	438144.2	3725300	1.25E-02	2.53E-03	1.33E-02	1.47E-03
2178	438150.8	3725313	1.21E-02	2.45E-03	1.29E-02	1.42E-03
2179	438157.5	3725326	1.17E-02	2.38E-03	1.25E-02	1.38E-03

2180	438164.1	3725339	1.14E-02	2.31E-03	1.22E-02	1.34E-03
2181	438170.7	3725352	1.10E-02	2.24E-03	1.18E-02	1.30E-03
2182	438177.3	3725365	1.07E-02	2.17E-03	1.14E-02	1.26E-03
2183	438181.7	3725385	1.04E-02	2.12E-03	1.11E-02	1.23E-03
2184	438177.2	3725399	1.06E-02	2.14E-03	1.13E-02	1.25E-03
2185	438172.7	3725413	1.07E-02	2.17E-03	1.14E-02	1.26E-03
2186	438168.2	3725427	1.08E-02	2.20E-03	1.15E-02	1.28E-03
2187	438163.7	3725441	1.09E-02	2.22E-03	1.17E-02	1.29E-03
2188	438159.1	3725455	1.10E-02	2.23E-03	1.17E-02	1.30E-03
2189	438154.6	3725469	1.11E-02	2.25E-03	1.18E-02	1.31E-03
2190	438150.1	3725483	1.11E-02	2.26E-03	1.19E-02	1.32E-03
2191	438145.6	3725496	1.12E-02	2.27E-03	1.20E-02	1.33E-03
2192	438141.1	3725510	1.13E-02	2.29E-03	1.20E-02	1.33E-03
2193	438136.6	3725524	1.14E-02	2.31E-03	1.21E-02	1.35E-03
2194	438132.1	3725538	1.14E-02	2.32E-03	1.22E-02	1.36E-03
2195	438127.6	3725552	1.14E-02	2.33E-03	1.22E-02	1.36E-03
2196	438123.1	3725566	1.14E-02	2.32E-03	1.22E-02	1.36E-03
2197	438118.6	3725580	1.15E-02	2.34E-03	1.23E-02	1.36E-03
2198	438114.1	3725594	1.15E-02	2.34E-03	1.23E-02	1.37E-03
2199	438109.5	3725608	1.15E-02	2.34E-03	1.23E-02	1.37E-03
2200	438100.5	3725636	1.15E-02	2.34E-03	1.23E-02	1.37E-03
2201	438096	3725649	1.15E-02	2.34E-03	1.23E-02	1.37E-03
2202	438091.5	3725663	1.15E-02	2.34E-03	1.23E-02	1.37E-03
2203	438087	3725677	1.14E-02	2.33E-03	1.22E-02	1.37E-03
2204	438082.5	3725691	1.14E-02	2.32E-03	1.22E-02	1.36E-03
2205	438170.7	3725291	1.11E-02	2.24E-03	1.18E-02	1.30E-03
2206	438177.3	3725304	1.08E-02	2.18E-03	1.15E-02	1.27E-03
2207	438184	3725317	1.05E-02	2.12E-03	1.12E-02	1.23E-03
2208	438190.6	3725330	1.02E-02	2.06E-03	1.09E-02	1.20E-03
2209	438197.3	3725343	9.86E-03	2.00E-03	1.05E-02	1.16E-03
2210	438203.9	3725356	9.57E-03	1.94E-03	1.02E-02	1.13E-03
2211	438210.5	3725369	9.29E-03	1.89E-03	9.92E-03	1.10E-03
2212	438211.6	3725383	9.21E-03	1.87E-03	9.83E-03	1.09E-03
2213	438207.1	3725397	9.34E-03	1.90E-03	9.98E-03	1.11E-03
2214	438202.5	3725411	9.46E-03	1.92E-03	1.01E-02	1.12E-03
2215	438198	3725425	9.58E-03	1.95E-03	1.02E-02	1.13E-03
2216	438193.5	3725439	9.71E-03	1.97E-03	1.04E-02	1.15E-03
2217	438189	3725453	9.80E-03	1.99E-03	1.05E-02	1.16E-03
2218	438184.5	3725467	9.85E-03	2.00E-03	1.05E-02	1.17E-03
2219	438179.9	3725481	9.91E-03	2.01E-03	1.06E-02	1.17E-03
2220	438175.4	3725494	9.98E-03	2.03E-03	1.07E-02	1.18E-03
2221	438170.9	3725508	1.00E-02	2.04E-03	1.07E-02	1.19E-03
2222	438166.4	3725522	1.01E-02	2.05E-03	1.08E-02	1.20E-03
2223	438161.9	3725536	1.02E-02	2.07E-03	1.09E-02	1.21E-03
2224	438157.3	3725550	1.02E-02	2.08E-03	1.09E-02	1.21E-03
2225	438152.8	3725564	1.03E-02	2.09E-03	1.10E-02	1.22E-03
2226	438148.3	3725578	1.03E-02	2.10E-03	1.10E-02	1.23E-03
2227	438143.8	3725592	1.04E-02	2.11E-03	1.11E-02	1.23E-03
2228	438139.3	3725606	1.04E-02	2.12E-03	1.11E-02	1.24E-03
2229	438134.7	3725620	1.04E-02	2.11E-03	1.11E-02	1.24E-03
2230	438121.2	3725662	1.04E-02	2.11E-03	1.11E-02	1.24E-03
2231	438223.8	3725334	8.89E-03	1.81E-03	9.50E-03	1.05E-03

2232	438230.5	3725347	8.64E-03	1.76E-03	9.23E-03	1.02E-03
2233	438237.1	3725360	8.40E-03	1.71E-03	8.97E-03	9.95E-04
2234	438241.5	3725381	8.21E-03	1.67E-03	8.77E-03	9.73E-04
2235	438237	3725395	8.31E-03	1.69E-03	8.88E-03	9.86E-04
2236	438232.4	3725409	8.43E-03	1.71E-03	9.00E-03	1.00E-03
2237	438227.9	3725422	8.53E-03	1.73E-03	9.11E-03	1.01E-03
2238	438223.4	3725436	8.61E-03	1.75E-03	9.20E-03	1.02E-03
2239	438218.8	3725450	8.69E-03	1.77E-03	9.29E-03	1.03E-03
2240	438214.3	3725464	8.77E-03	1.78E-03	9.37E-03	1.04E-03
2241	438209.8	3725478	8.85E-03	1.80E-03	9.45E-03	1.05E-03
2242	438205.2	3725492	8.93E-03	1.82E-03	9.54E-03	1.06E-03
2243	438200.7	3725506	9.00E-03	1.83E-03	9.62E-03	1.07E-03
2244	438196.2	3725520	9.06E-03	1.84E-03	9.68E-03	1.08E-03
2245	438191.6	3725534	9.11E-03	1.85E-03	9.73E-03	1.08E-03
2246	438187.1	3725548	9.18E-03	1.87E-03	9.81E-03	1.09E-03
2247	438182.6	3725562	9.24E-03	1.88E-03	9.88E-03	1.10E-03
2248	438178	3725576	9.29E-03	1.89E-03	9.93E-03	1.11E-03
2249	438173.5	3725590	9.33E-03	1.90E-03	9.97E-03	1.11E-03
2250	438169	3725604	9.37E-03	1.91E-03	1.00E-02	1.12E-03
2251	438164.5	3725618	9.39E-03	1.91E-03	1.00E-02	1.12E-03
2252	438159.9	3725632	9.40E-03	1.91E-03	1.00E-02	1.12E-03
2253	438155.4	3725646	9.41E-03	1.92E-03	1.01E-02	1.12E-03
2254	438132.7	3725716	9.39E-03	1.91E-03	1.00E-02	1.12E-03
2255	438128.2	3725730	9.33E-03	1.90E-03	9.98E-03	1.12E-03
2256	438271.4	3725378	7.37E-03	1.50E-03	7.88E-03	8.76E-04
2257	438266.9	3725392	7.46E-03	1.52E-03	7.97E-03	8.86E-04
2258	438262.3	3725406	7.56E-03	1.54E-03	8.08E-03	8.98E-04
2259	438257.8	3725420	7.65E-03	1.56E-03	8.17E-03	9.09E-04
2260	438253.2	3725434	7.72E-03	1.57E-03	8.25E-03	9.18E-04
2261	438248.7	3725448	7.79E-03	1.59E-03	8.33E-03	9.27E-04
2262	438244.1	3725462	7.86E-03	1.60E-03	8.40E-03	9.35E-04
2263	438239.6	3725476	7.93E-03	1.61E-03	8.47E-03	9.43E-04
2264	438235.1	3725490	8.01E-03	1.63E-03	8.56E-03	9.53E-04
2265	438230.5	3725504	8.10E-03	1.65E-03	8.65E-03	9.63E-04
2266	438226	3725518	8.16E-03	1.66E-03	8.72E-03	9.71E-04
2267	438221.4	3725532	8.21E-03	1.67E-03	8.78E-03	9.78E-04
2268	438216.9	3725546	8.26E-03	1.68E-03	8.83E-03	9.84E-04
2269	438212.4	3725560	8.31E-03	1.69E-03	8.88E-03	9.90E-04
2270	438207.8	3725574	8.37E-03	1.70E-03	8.94E-03	9.96E-04
2271	438203.3	3725588	8.41E-03	1.71E-03	8.99E-03	1.00E-03
2272	438198.7	3725602	8.45E-03	1.72E-03	9.03E-03	1.01E-03
2273	438194.2	3725616	8.49E-03	1.73E-03	9.08E-03	1.01E-03
2274	438189.7	3725630	8.53E-03	1.74E-03	9.11E-03	1.02E-03
2275	438185.1	3725644	8.55E-03	1.74E-03	9.14E-03	1.02E-03
2276	438180.6	3725658	8.56E-03	1.74E-03	9.15E-03	1.02E-03
2277	438167	3725700	8.58E-03	1.75E-03	9.17E-03	1.03E-03
2278	438162.4	3725714	8.56E-03	1.74E-03	9.15E-03	1.02E-03
2279	438157.9	3725728	8.54E-03	1.74E-03	9.13E-03	1.02E-03
2280	438153.3	3725742	8.51E-03	1.74E-03	9.10E-03	1.02E-03
2281	438148.8	3725756	8.48E-03	1.73E-03	9.06E-03	1.02E-03
2282	438292.2	3725404	6.82E-03	1.39E-03	7.29E-03	8.12E-04
2283	438287.6	3725418	6.90E-03	1.40E-03	7.37E-03	8.21E-04

2284	438283.1	3725432	6.96E-03	1.42E-03	7.44E-03	8.29E-04
2285	438278.6	3725446	7.02E-03	1.43E-03	7.51E-03	8.37E-04
2286	438274	3725460	7.10E-03	1.45E-03	7.59E-03	8.46E-04
2287	438269.5	3725474	7.17E-03	1.46E-03	7.66E-03	8.54E-04
2288	438264.9	3725488	7.23E-03	1.47E-03	7.72E-03	8.61E-04
2289	438260.4	3725502	7.29E-03	1.48E-03	7.79E-03	8.69E-04
2290	438255.8	3725516	7.35E-03	1.50E-03	7.86E-03	8.76E-04
2291	438251.3	3725530	7.40E-03	1.51E-03	7.91E-03	8.82E-04
2292	438246.7	3725544	7.46E-03	1.52E-03	7.97E-03	8.89E-04
2293	438242.2	3725558	7.52E-03	1.53E-03	8.04E-03	8.97E-04
2294	438237.6	3725572	7.57E-03	1.54E-03	8.09E-03	9.03E-04
2295	438233.1	3725586	7.63E-03	1.55E-03	8.15E-03	9.10E-04
2296	438228.5	3725600	7.67E-03	1.56E-03	8.20E-03	9.15E-04
2297	438224	3725614	7.71E-03	1.57E-03	8.25E-03	9.20E-04
2298	438219.4	3725629	7.76E-03	1.58E-03	8.29E-03	9.26E-04
2299	438214.9	3725643	7.79E-03	1.59E-03	8.32E-03	9.30E-04
2300	438210.3	3725657	7.81E-03	1.59E-03	8.35E-03	9.33E-04
2301	438205.8	3725671	7.83E-03	1.60E-03	8.37E-03	9.35E-04
2302	438201.2	3725685	7.84E-03	1.60E-03	8.38E-03	9.37E-04
2303	438192.1	3725713	7.86E-03	1.60E-03	8.40E-03	9.40E-04
2304	438187.6	3725727	7.85E-03	1.60E-03	8.39E-03	9.40E-04
2305	438183	3725741	7.83E-03	1.60E-03	8.37E-03	9.38E-04
2306	438178.5	3725755	7.80E-03	1.59E-03	8.34E-03	9.35E-04
2307	438173.9	3725769	7.77E-03	1.59E-03	8.31E-03	9.33E-04
2308	438313.3	3725429	6.31E-03	1.29E-03	6.74E-03	7.52E-04
2309	438308.8	3725443	6.36E-03	1.30E-03	6.80E-03	7.59E-04
2310	438304.3	3725456	6.43E-03	1.31E-03	6.87E-03	7.66E-04
2311	438299.8	3725470	6.49E-03	1.32E-03	6.94E-03	7.75E-04
2312	438295.4	3725484	6.55E-03	1.33E-03	7.00E-03	7.81E-04
2313	438290.9	3725498	6.60E-03	1.34E-03	7.05E-03	7.87E-04
2314	438286.4	3725512	6.65E-03	1.36E-03	7.11E-03	7.94E-04
2315	438281.9	3725526	6.72E-03	1.37E-03	7.18E-03	8.01E-04
2316	438277.4	3725539	6.77E-03	1.38E-03	7.24E-03	8.08E-04
2317	438272.9	3725553	6.81E-03	1.39E-03	7.28E-03	8.13E-04
2318	438268.4	3725567	6.86E-03	1.40E-03	7.33E-03	8.19E-04
2319	438264	3725581	6.91E-03	1.41E-03	7.39E-03	8.26E-04
2320	438259.5	3725595	6.97E-03	1.42E-03	7.45E-03	8.32E-04
2321	438255	3725609	7.00E-03	1.43E-03	7.49E-03	8.36E-04
2322	438250.5	3725622	7.03E-03	1.43E-03	7.52E-03	8.40E-04
2323	438246	3725636	7.07E-03	1.44E-03	7.56E-03	8.45E-04
2324	438241.5	3725650	7.11E-03	1.45E-03	7.60E-03	8.50E-04
2325	438237.1	3725664	7.14E-03	1.46E-03	7.63E-03	8.54E-04
2326	438232.6	3725678	7.17E-03	1.46E-03	7.66E-03	8.57E-04
2327	438228.1	3725692	7.19E-03	1.47E-03	7.68E-03	8.60E-04
2328	438223.6	3725705	7.20E-03	1.47E-03	7.70E-03	8.61E-04
2329	438214.6	3725733	7.20E-03	1.47E-03	7.70E-03	8.63E-04
2330	438210.1	3725747	7.20E-03	1.47E-03	7.69E-03	8.62E-04
2331	438205.7	3725761	7.18E-03	1.47E-03	7.68E-03	8.61E-04
2332	438201.2	3725775	7.16E-03	1.46E-03	7.65E-03	8.59E-04
2333	438196.7	3725788	7.12E-03	1.45E-03	7.62E-03	8.56E-04
2334	438344.1	3725454	5.70E-03	1.16E-03	6.09E-03	6.81E-04
2335	438339.6	3725467	5.76E-03	1.17E-03	6.16E-03	6.88E-04

2336	438335.1	3725481	5.81E-03	1.18E-03	6.21E-03	6.94E-04
2337	438330.6	3725495	5.84E-03	1.19E-03	6.25E-03	6.98E-04
2338	438326.1	3725509	5.88E-03	1.20E-03	6.29E-03	7.03E-04
2339	438321.6	3725523	5.93E-03	1.21E-03	6.33E-03	7.08E-04
2340	438317.1	3725537	5.97E-03	1.22E-03	6.38E-03	7.14E-04
2341	438312.6	3725551	6.01E-03	1.23E-03	6.43E-03	7.19E-04
2342	438308.1	3725565	6.05E-03	1.23E-03	6.47E-03	7.23E-04
2343	438303.6	3725578	6.10E-03	1.24E-03	6.52E-03	7.29E-04
2344	438299.1	3725592	6.15E-03	1.25E-03	6.57E-03	7.35E-04
2345	438294.6	3725606	6.19E-03	1.26E-03	6.61E-03	7.40E-04
2346	438290.1	3725620	6.22E-03	1.27E-03	6.65E-03	7.44E-04
2347	438285.6	3725634	6.25E-03	1.28E-03	6.69E-03	7.48E-04
2348	438281.1	3725648	6.29E-03	1.28E-03	6.73E-03	7.53E-04
2349	438276.6	3725662	6.33E-03	1.29E-03	6.77E-03	7.58E-04
2350	438272.1	3725676	6.36E-03	1.30E-03	6.80E-03	7.62E-04
2351	438267.6	3725689	6.39E-03	1.30E-03	6.83E-03	7.65E-04
2352	438263.1	3725703	6.41E-03	1.31E-03	6.86E-03	7.68E-04
2353	438258.7	3725717	6.43E-03	1.31E-03	6.88E-03	7.71E-04
2354	438254.2	3725731	6.45E-03	1.32E-03	6.89E-03	7.72E-04
2355	438240.7	3725773	6.45E-03	1.32E-03	6.89E-03	7.74E-04
2356	438236.2	3725787	6.44E-03	1.31E-03	6.88E-03	7.73E-04
2357	438231.7	3725801	6.42E-03	1.31E-03	6.86E-03	7.71E-04
2358	438227.2	3725814	6.39E-03	1.31E-03	6.84E-03	7.69E-04
2359	438374.9	3725479	5.17E-03	1.05E-03	5.52E-03	6.18E-04
2360	438370.4	3725492	5.20E-03	1.06E-03	5.56E-03	6.23E-04
2361	438365.9	3725506	5.24E-03	1.07E-03	5.60E-03	6.27E-04
2362	438361.4	3725520	5.27E-03	1.08E-03	5.64E-03	6.31E-04
2363	438356.9	3725534	5.31E-03	1.08E-03	5.67E-03	6.35E-04
2364	438352.3	3725548	5.34E-03	1.09E-03	5.71E-03	6.40E-04
2365	438347.8	3725562	5.37E-03	1.10E-03	5.75E-03	6.44E-04
2366	438343.3	3725576	5.41E-03	1.10E-03	5.78E-03	6.48E-04
2367	438338.8	3725590	5.44E-03	1.11E-03	5.82E-03	6.52E-04
2368	438334.3	3725604	5.48E-03	1.12E-03	5.86E-03	6.57E-04
2369	438329.8	3725618	5.52E-03	1.13E-03	5.91E-03	6.62E-04
2370	438325.3	3725632	5.56E-03	1.13E-03	5.94E-03	6.66E-04
2371	438320.8	3725645	5.60E-03	1.14E-03	5.98E-03	6.70E-04
2372	438316.3	3725659	5.63E-03	1.15E-03	6.02E-03	6.75E-04
2373	438311.8	3725673	5.67E-03	1.16E-03	6.06E-03	6.80E-04
2374	438307.2	3725687	5.71E-03	1.16E-03	6.10E-03	6.84E-04
2375	438302.7	3725701	5.73E-03	1.17E-03	6.13E-03	6.87E-04
2376	438298.2	3725715	5.76E-03	1.18E-03	6.16E-03	6.90E-04
2377	438293.7	3725729	5.78E-03	1.18E-03	6.17E-03	6.93E-04
2378	438289.2	3725743	5.79E-03	1.18E-03	6.19E-03	6.95E-04
2379	438284.7	3725757	5.81E-03	1.19E-03	6.21E-03	6.97E-04
2380	438271.2	3725799	5.81E-03	1.19E-03	6.21E-03	6.98E-04
2381	438266.7	3725812	5.80E-03	1.18E-03	6.20E-03	6.97E-04
2382	438262.1	3725826	5.78E-03	1.18E-03	6.18E-03	6.95E-04
2383	438257.6	3725840	5.76E-03	1.18E-03	6.16E-03	6.93E-04
2384	438401.1	3725518	4.70E-03	9.60E-04	5.03E-03	5.64E-04
2385	438396.6	3725531	4.73E-03	9.65E-04	5.06E-03	5.67E-04
2386	438392.1	3725545	4.76E-03	9.71E-04	5.09E-03	5.71E-04
2387	438387.6	3725559	4.79E-03	9.78E-04	5.12E-03	5.75E-04

2388	438383	3725573	4.83E-03	9.85E-04	5.16E-03	5.79E-04
2389	438378.5	3725587	4.86E-03	9.92E-04	5.20E-03	5.83E-04
2390	438374	3725601	4.89E-03	9.99E-04	5.23E-03	5.87E-04
2391	438369.5	3725615	4.92E-03	1.01E-03	5.26E-03	5.91E-04
2392	438365	3725629	4.96E-03	1.01E-03	5.30E-03	5.95E-04
2393	438360.4	3725643	4.99E-03	1.02E-03	5.34E-03	5.99E-04
2394	438355.9	3725657	5.03E-03	1.03E-03	5.37E-03	6.03E-04
2395	438351.4	3725671	5.06E-03	1.03E-03	5.41E-03	6.07E-04
2396	438346.9	3725685	5.09E-03	1.04E-03	5.44E-03	6.11E-04
2397	438342.4	3725699	5.12E-03	1.05E-03	5.48E-03	6.15E-04
2398	438337.8	3725713	5.15E-03	1.05E-03	5.51E-03	6.19E-04
2399	438333.3	3725727	5.18E-03	1.06E-03	5.54E-03	6.22E-04
2400	438328.8	3725741	5.20E-03	1.06E-03	5.56E-03	6.25E-04
2401	438324.3	3725755	5.22E-03	1.07E-03	5.58E-03	6.27E-04
2402	438319.8	3725769	5.24E-03	1.07E-03	5.60E-03	6.29E-04
2403	438315.2	3725782	5.25E-03	1.07E-03	5.61E-03	6.31E-04
2404	438288.1	3725866	5.22E-03	1.07E-03	5.58E-03	6.29E-04
2405	438431.8	3725543	4.26E-03	8.71E-04	4.56E-03	5.12E-04
2406	438427.3	3725557	4.30E-03	8.78E-04	4.60E-03	5.16E-04
2407	438422.8	3725571	4.33E-03	8.85E-04	4.63E-03	5.20E-04
2408	438418.2	3725585	4.36E-03	8.90E-04	4.66E-03	5.24E-04
2409	438413.7	3725599	4.39E-03	8.96E-04	4.69E-03	5.27E-04
2410	438409.2	3725613	4.42E-03	9.02E-04	4.72E-03	5.31E-04
2411	438404.7	3725627	4.45E-03	9.10E-04	4.76E-03	5.35E-04
2412	438400.1	3725641	4.48E-03	9.15E-04	4.79E-03	5.38E-04
2413	438395.6	3725654	4.51E-03	9.21E-04	4.82E-03	5.42E-04
2414	438391.1	3725668	4.54E-03	9.28E-04	4.86E-03	5.46E-04
2415	438386.5	3725682	4.57E-03	9.34E-04	4.89E-03	5.49E-04
2416	438382	3725696	4.60E-03	9.40E-04	4.92E-03	5.53E-04
2417	438377.5	3725710	4.63E-03	9.46E-04	4.95E-03	5.56E-04
2418	438372.9	3725724	4.66E-03	9.51E-04	4.98E-03	5.60E-04
2419	438368.4	3725738	4.68E-03	9.57E-04	5.01E-03	5.63E-04
2420	438363.9	3725752	4.71E-03	9.62E-04	5.04E-03	5.66E-04
2421	438359.3	3725766	4.73E-03	9.67E-04	5.06E-03	5.69E-04
2422	438354.8	3725780	4.75E-03	9.71E-04	5.08E-03	5.71E-04
2423	438350.3	3725794	4.77E-03	9.75E-04	5.10E-03	5.74E-04
2424	438345.8	3725808	4.79E-03	9.78E-04	5.12E-03	5.76E-04
2425	438332.2	3725850	4.79E-03	9.79E-04	5.12E-03	5.77E-04
2426	438327.6	3725864	4.78E-03	9.77E-04	5.11E-03	5.76E-04
2427	438323.1	3725878	4.76E-03	9.74E-04	5.09E-03	5.74E-04
2428	438318.6	3725892	4.74E-03	9.70E-04	5.07E-03	5.72E-04
2429	438458	3725582	3.94E-03	8.06E-04	4.22E-03	4.74E-04
2430	438453.4	3725596	3.97E-03	8.11E-04	4.24E-03	4.77E-04
2431	438448.9	3725610	3.99E-03	8.16E-04	4.27E-03	4.80E-04
2432	438444.4	3725624	4.02E-03	8.21E-04	4.29E-03	4.83E-04
2433	438439.8	3725638	4.05E-03	8.27E-04	4.33E-03	4.87E-04
2434	438435.3	3725652	4.08E-03	8.33E-04	4.36E-03	4.90E-04
2435	438430.7	3725666	4.10E-03	8.38E-04	4.39E-03	4.93E-04
2436	438426.2	3725680	4.13E-03	8.43E-04	4.41E-03	4.96E-04
2437	438421.7	3725694	4.15E-03	8.49E-04	4.44E-03	5.00E-04
2438	438417.1	3725708	4.19E-03	8.55E-04	4.48E-03	5.03E-04
2439	438412.6	3725722	4.21E-03	8.61E-04	4.51E-03	5.07E-04

2440	438408	3725736	4.24E-03	8.67E-04	4.54E-03	5.10E-04
2441	438403.5	3725750	4.27E-03	8.73E-04	4.57E-03	5.14E-04
2442	438399	3725764	4.29E-03	8.78E-04	4.59E-03	5.17E-04
2443	438394.4	3725778	4.32E-03	8.82E-04	4.62E-03	5.19E-04
2444	438389.9	3725792	4.33E-03	8.86E-04	4.64E-03	5.22E-04
2445	438385.4	3725806	4.35E-03	8.89E-04	4.65E-03	5.24E-04
2446	438380.8	3725820	4.36E-03	8.92E-04	4.67E-03	5.25E-04
2447	438376.3	3725834	4.37E-03	8.94E-04	4.68E-03	5.27E-04
2448	438362.7	3725876	4.36E-03	8.91E-04	4.66E-03	5.25E-04
2449	438358.1	3725890	4.34E-03	8.88E-04	4.65E-03	5.24E-04
2450	438353.6	3725904	4.33E-03	8.86E-04	4.63E-03	5.23E-04
2451	438488.6	3725607	3.63E-03	7.42E-04	3.88E-03	4.37E-04
2452	438484.1	3725621	3.65E-03	7.47E-04	3.91E-03	4.40E-04
2453	438479.5	3725635	3.68E-03	7.52E-04	3.93E-03	4.43E-04
2454	438475	3725649	3.71E-03	7.58E-04	3.96E-03	4.46E-04
2455	438470.4	3725663	3.73E-03	7.63E-04	3.99E-03	4.49E-04
2456	438465.9	3725677	3.75E-03	7.67E-04	4.01E-03	4.52E-04
2457	438461.4	3725691	3.77E-03	7.72E-04	4.04E-03	4.55E-04
2458	438456.8	3725705	3.80E-03	7.77E-04	4.07E-03	4.58E-04
2459	438452.3	3725719	3.83E-03	7.83E-04	4.09E-03	4.61E-04
2460	438447.7	3725733	3.85E-03	7.88E-04	4.12E-03	4.64E-04
2461	438443.2	3725748	3.88E-03	7.93E-04	4.15E-03	4.67E-04
2462	438438.6	3725762	3.90E-03	7.97E-04	4.17E-03	4.70E-04
2463	438434.1	3725776	3.92E-03	8.02E-04	4.19E-03	4.72E-04
2464	438429.5	3725790	3.94E-03	8.06E-04	4.22E-03	4.75E-04
2465	438425	3725804	3.97E-03	8.11E-04	4.24E-03	4.78E-04
2466	438420.4	3725818	3.98E-03	8.14E-04	4.26E-03	4.79E-04
2467	438311.7	3724752	2.31E-03	4.73E-04	2.47E-03	2.79E-04
2468	438318.4	3724765	2.38E-03	4.86E-04	2.54E-03	2.87E-04
2469	438325.1	3724779	2.44E-03	5.00E-04	2.61E-03	2.95E-04
2470	438331.8	3724792	2.50E-03	5.12E-04	2.68E-03	3.02E-04
2471	438519.3	3725633	3.36E-03	6.87E-04	3.59E-03	4.05E-04
2472	438514.7	3725647	3.38E-03	6.92E-04	3.62E-03	4.08E-04
2473	438510.2	3725661	3.41E-03	6.97E-04	3.64E-03	4.11E-04
2474	438505.6	3725675	3.43E-03	7.01E-04	3.67E-03	4.13E-04
2475	438501.1	3725689	3.45E-03	7.05E-04	3.69E-03	4.16E-04
2476	438496.5	3725703	3.47E-03	7.10E-04	3.71E-03	4.19E-04
2477	438491.9	3725717	3.50E-03	7.15E-04	3.74E-03	4.22E-04
2478	438487.4	3725731	3.52E-03	7.19E-04	3.76E-03	4.24E-04
2479	438482.8	3725745	3.54E-03	7.23E-04	3.78E-03	4.26E-04
2480	438478.3	3725759	3.56E-03	7.28E-04	3.81E-03	4.29E-04
2481	438302.8	3724741	2.25E-03	4.61E-04	2.41E-03	2.72E-04
2482	438337.8	3724722	2.11E-03	4.32E-04	2.26E-03	2.55E-04
2483	438344.4	3724735	2.17E-03	4.45E-04	2.32E-03	2.62E-04
2484	438351	3724748	2.23E-03	4.56E-04	2.39E-03	2.69E-04
2485	438357.6	3724761	2.29E-03	4.68E-04	2.45E-03	2.76E-04
2486	438364.3	3724774	2.34E-03	4.79E-04	2.50E-03	2.82E-04
2487	438370.9	3724787	2.39E-03	4.89E-04	2.56E-03	2.88E-04
2488	438377.5	3724800	2.44E-03	5.00E-04	2.61E-03	2.94E-04
2489	438384.1	3724813	2.49E-03	5.08E-04	2.66E-03	2.99E-04
2490	438390.8	3724826	2.53E-03	5.18E-04	2.71E-03	3.05E-04
2491	438417.3	3724878	2.79E-03	5.69E-04	2.98E-03	3.34E-04

2492	438423.9	3724891	2.85E-03	5.82E-04	3.05E-03	3.42E-04
2493	438430.5	3724904	2.92E-03	5.95E-04	3.12E-03	3.50E-04
2494	438437.2	3724917	2.98E-03	6.08E-04	3.19E-03	3.57E-04
2495	438443.8	3724931	3.04E-03	6.20E-04	3.25E-03	3.64E-04
2496	438450.4	3724944	3.09E-03	6.31E-04	3.31E-03	3.70E-04
2497	438546.4	3725669	3.14E-03	6.42E-04	3.36E-03	3.79E-04
2498	438541.9	3725683	3.16E-03	6.46E-04	3.38E-03	3.81E-04
2499	438537.4	3725697	3.18E-03	6.50E-04	3.40E-03	3.84E-04
2500	438370.5	3724705	1.99E-03	4.08E-04	2.13E-03	2.41E-04
2501	438377.1	3724718	2.04E-03	4.19E-04	2.19E-03	2.47E-04
2502	438383.7	3724731	2.10E-03	4.29E-04	2.24E-03	2.53E-04
2503	438390.4	3724744	2.15E-03	4.40E-04	2.30E-03	2.59E-04
2504	438397	3724757	2.20E-03	4.50E-04	2.35E-03	2.65E-04
2505	438403.6	3724770	2.25E-03	4.60E-04	2.41E-03	2.71E-04
2506	438410.3	3724783	2.30E-03	4.70E-04	2.46E-03	2.77E-04
2507	438416.9	3724796	2.33E-03	4.77E-04	2.50E-03	2.81E-04
2508	438423.6	3724809	2.37E-03	4.84E-04	2.53E-03	2.85E-04
2509	438430.2	3724822	2.41E-03	4.92E-04	2.58E-03	2.90E-04
2510	438436.8	3724835	2.46E-03	5.03E-04	2.63E-03	2.96E-04
2511	438443.5	3724848	2.51E-03	5.13E-04	2.69E-03	3.02E-04
2512	438450.1	3724861	2.57E-03	5.26E-04	2.75E-03	3.09E-04
2513	438456.7	3724874	2.64E-03	5.38E-04	2.82E-03	3.16E-04
2514	438463.4	3724887	2.69E-03	5.50E-04	2.88E-03	3.23E-04
2515	438470	3724901	2.76E-03	5.63E-04	2.95E-03	3.31E-04
2516	438396.5	3724674	1.84E-03	3.77E-04	1.97E-03	2.23E-04
2517	438403.2	3724687	1.88E-03	3.86E-04	2.02E-03	2.28E-04
2518	438409.8	3724700	1.93E-03	3.95E-04	2.07E-03	2.33E-04
2519	438416.5	3724713	1.98E-03	4.05E-04	2.12E-03	2.39E-04
2520	438423.1	3724727	2.02E-03	4.14E-04	2.16E-03	2.44E-04
2521	438429.8	3724740	2.07E-03	4.23E-04	2.21E-03	2.49E-04
2522	438436.4	3724753	2.11E-03	4.32E-04	2.26E-03	2.55E-04
2523	438443.1	3724766	2.15E-03	4.40E-04	2.30E-03	2.60E-04
2524	438449.7	3724779	2.19E-03	4.49E-04	2.35E-03	2.64E-04
2525	438456.4	3724792	2.23E-03	4.56E-04	2.39E-03	2.69E-04
2526	438463	3724805	2.27E-03	4.64E-04	2.43E-03	2.73E-04
2527	438469.7	3724818	2.31E-03	4.72E-04	2.47E-03	2.78E-04
2528	438476.3	3724831	2.35E-03	4.81E-04	2.52E-03	2.83E-04
2529	438483	3724844	2.40E-03	4.91E-04	2.57E-03	2.89E-04
2530	438489.6	3724857	2.46E-03	5.02E-04	2.63E-03	2.95E-04
2531	438496.2	3724871	2.51E-03	5.13E-04	2.68E-03	3.01E-04
2532	437835.2	3725489	6.55E-02	1.32E-02	6.99E-02	7.61E-03
2533	437840.8	3725482	6.52E-02	1.31E-02	6.95E-02	7.55E-03
2534	437882.9	3725525	4.09E-02	8.27E-03	4.36E-02	4.79E-03
2535	437898.7	3725538	3.56E-02	7.20E-03	3.79E-02	4.17E-03
2536	438198.7	3725722	7.64E-03	1.56E-03	8.17E-03	9.14E-04
2537	438222.5	3725740	7.00E-03	1.43E-03	7.48E-03	8.38E-04
2538	438280.5	3725796	5.68E-03	1.16E-03	6.07E-03	6.83E-04
2539	437841.2	3725401	8.95E-02	1.79E-02	9.54E-02	1.02E-02
2540	437860.7	3725405	7.20E-02	1.44E-02	7.67E-02	8.21E-03
2541	437899.8	3725414	4.90E-02	9.85E-03	5.22E-02	5.63E-03
2542	437916	3725425	4.19E-02	8.44E-03	4.47E-02	4.84E-03
2543	437922.7	3725410	4.08E-02	8.21E-03	4.35E-02	4.70E-03

2544	437926	3725394	4.10E-02	8.24E-03	4.37E-02	4.72E-03
2545	437939	3725422	3.58E-02	7.21E-03	3.81E-02	4.14E-03
2546	437932.2	3725437	3.66E-02	7.38E-03	3.90E-02	4.24E-03
2547	437955.1	3725433	3.17E-02	6.39E-03	3.38E-02	3.68E-03
2548	437948.3	3725448	3.23E-02	6.51E-03	3.44E-02	3.75E-03
2549	437964.3	3725460	2.85E-02	5.76E-03	3.04E-02	3.32E-03
2550	437980.4	3725472	2.53E-02	5.11E-03	2.70E-02	2.95E-03
2551	437991.4	3725495	2.28E-02	4.61E-03	2.43E-02	2.67E-03
2552	438037.1	3725441	1.95E-02	3.94E-03	2.08E-02	2.28E-03
2553	438030.5	3725456	1.98E-02	4.00E-03	2.11E-02	2.32E-03
2554	438023.9	3725470	2.00E-02	4.05E-03	2.14E-02	2.35E-03
2555	438017.3	3725485	2.02E-02	4.09E-03	2.15E-02	2.37E-03
2556	438010.7	3725499	2.03E-02	4.12E-03	2.17E-02	2.39E-03
2557	438004.1	3725514	2.05E-02	4.16E-03	2.19E-02	2.41E-03
2558	438042.1	3725425	1.94E-02	3.92E-03	2.07E-02	2.27E-03
2559	438063	3725455	1.68E-02	3.40E-03	1.79E-02	1.97E-03
2560	438056.1	3725470	1.70E-02	3.45E-03	1.82E-02	2.00E-03
2561	438049.3	3725485	1.72E-02	3.49E-03	1.84E-02	2.03E-03
2562	438042.4	3725500	1.74E-02	3.52E-03	1.85E-02	2.04E-03
2563	438035.6	3725515	1.75E-02	3.55E-03	1.87E-02	2.06E-03
2564	438028.7	3725530	1.77E-02	3.59E-03	1.89E-02	2.08E-03
2565	438018.5	3725553	1.79E-02	3.64E-03	1.91E-02	2.11E-03
2566	438073.1	3725423	1.66E-02	3.37E-03	1.78E-02	1.95E-03
2567	438085.8	3725475	1.47E-02	2.99E-03	1.57E-02	1.74E-03
2568	438079.1	3725490	1.49E-02	3.02E-03	1.59E-02	1.76E-03
2569	438072.3	3725505	1.51E-02	3.05E-03	1.61E-02	1.78E-03
2570	438065.6	3725520	1.52E-02	3.08E-03	1.62E-02	1.79E-03
2571	438058.9	3725535	1.53E-02	3.11E-03	1.63E-02	1.81E-03
2572	438052.2	3725549	1.55E-02	3.14E-03	1.65E-02	1.83E-03
2573	438038.7	3725579	1.58E-02	3.20E-03	1.68E-02	1.86E-03
2574	438111.3	3725490	1.30E-02	2.64E-03	1.39E-02	1.54E-03
2575	438104.4	3725505	1.32E-02	2.68E-03	1.41E-02	1.56E-03
2576	438097.4	3725520	1.33E-02	2.71E-03	1.42E-02	1.58E-03
2577	438090.5	3725536	1.34E-02	2.73E-03	1.43E-02	1.59E-03
2578	438083.6	3725551	1.35E-02	2.75E-03	1.44E-02	1.60E-03
2579	438076.6	3725566	1.36E-02	2.76E-03	1.45E-02	1.61E-03
2580	438127.4	3725525	1.18E-02	2.39E-03	1.26E-02	1.40E-03
2581	438120.6	3725540	1.19E-02	2.42E-03	1.27E-02	1.41E-03
2582	438113.7	3725555	1.20E-02	2.44E-03	1.28E-02	1.42E-03
2583	438106.9	3725570	1.21E-02	2.46E-03	1.29E-02	1.43E-03
2584	438100.1	3725585	1.22E-02	2.48E-03	1.30E-02	1.45E-03
2585	438147.1	3725552	1.06E-02	2.16E-03	1.13E-02	1.26E-03
2586	438140.4	3725567	1.07E-02	2.18E-03	1.15E-02	1.27E-03
2587	438133.7	3725582	1.09E-02	2.21E-03	1.16E-02	1.29E-03
2588	438127	3725597	1.10E-02	2.24E-03	1.17E-02	1.31E-03
2589	438120.2	3725612	1.10E-02	2.25E-03	1.18E-02	1.31E-03
2590	438179	3725553	9.43E-03	1.92E-03	1.01E-02	1.12E-03
2591	438172.1	3725568	9.56E-03	1.95E-03	1.02E-02	1.14E-03
2592	438165.2	3725583	9.68E-03	1.97E-03	1.03E-02	1.15E-03
2593	438158.3	3725598	9.80E-03	1.99E-03	1.05E-02	1.17E-03
2594	438151.4	3725614	9.87E-03	2.01E-03	1.06E-02	1.17E-03
2595	438144.5	3725629	9.94E-03	2.02E-03	1.06E-02	1.18E-03

2596	438198.7	3725580	8.60E-03	1.75E-03	9.19E-03	1.02E-03
2597	438191.9	3725595	8.70E-03	1.77E-03	9.30E-03	1.04E-03
2598	438185.1	3725610	8.80E-03	1.79E-03	9.41E-03	1.05E-03
2599	438178.3	3725625	8.89E-03	1.81E-03	9.50E-03	1.06E-03
2600	438171.5	3725640	8.97E-03	1.83E-03	9.59E-03	1.07E-03
2601	438164.7	3725655	9.04E-03	1.84E-03	9.66E-03	1.08E-03
2602	438225.3	3725592	7.79E-03	1.59E-03	8.33E-03	9.29E-04
2603	438218.6	3725607	7.89E-03	1.61E-03	8.43E-03	9.41E-04
2604	438211.9	3725622	7.98E-03	1.63E-03	8.53E-03	9.52E-04
2605	438205.1	3725637	8.07E-03	1.64E-03	8.62E-03	9.63E-04
2606	438198.4	3725651	8.14E-03	1.66E-03	8.70E-03	9.72E-04
2607	438191.7	3725666	8.21E-03	1.67E-03	8.77E-03	9.80E-04
2608	438275.8	3725481	7.00E-03	1.43E-03	7.48E-03	8.34E-04
2609	438301.7	3725494	6.38E-03	1.30E-03	6.82E-03	7.62E-04
2610	438236.5	3725638	7.28E-03	1.48E-03	7.79E-03	8.70E-04
2611	438229.6	3725653	7.37E-03	1.50E-03	7.88E-03	8.80E-04
2612	438222.7	3725669	7.45E-03	1.52E-03	7.96E-03	8.90E-04
2613	438215.9	3725684	7.51E-03	1.53E-03	8.03E-03	8.98E-04
2614	438306.8	3725478	6.33E-03	1.29E-03	6.76E-03	7.55E-04
2615	438293.8	3725582	6.28E-03	1.28E-03	6.71E-03	7.51E-04
2616	438287	3725597	6.37E-03	1.30E-03	6.81E-03	7.61E-04
2617	438280.2	3725612	6.44E-03	1.31E-03	6.89E-03	7.70E-04
2618	438273.5	3725627	6.52E-03	1.33E-03	6.97E-03	7.79E-04
2619	438266.7	3725642	6.60E-03	1.35E-03	7.06E-03	7.89E-04
2620	438259.9	3725657	6.68E-03	1.36E-03	7.14E-03	7.99E-04
2621	438253.1	3725672	6.75E-03	1.38E-03	7.22E-03	8.08E-04
2622	438246.3	3725687	6.82E-03	1.39E-03	7.29E-03	8.16E-04
2623	438239.5	3725702	6.88E-03	1.40E-03	7.36E-03	8.24E-04
2624	438319.2	3725621	5.69E-03	1.16E-03	6.09E-03	6.82E-04
2625	438312.3	3725636	5.77E-03	1.18E-03	6.16E-03	6.91E-04
2626	438305.5	3725651	5.84E-03	1.19E-03	6.25E-03	7.00E-04
2627	438298.7	3725666	5.91E-03	1.21E-03	6.32E-03	7.08E-04
2628	438291.8	3725681	5.98E-03	1.22E-03	6.40E-03	7.17E-04
2629	438285	3725696	6.05E-03	1.23E-03	6.47E-03	7.25E-04
2630	438278.2	3725711	6.11E-03	1.25E-03	6.53E-03	7.32E-04
2631	438271.3	3725726	6.16E-03	1.26E-03	6.59E-03	7.39E-04
2632	438264.5	3725742	6.21E-03	1.27E-03	6.64E-03	7.45E-04
2633	438351.2	3725645	5.12E-03	1.05E-03	5.48E-03	6.14E-04
2634	438344.4	3725660	5.18E-03	1.06E-03	5.54E-03	6.22E-04
2635	438337.5	3725675	5.25E-03	1.07E-03	5.61E-03	6.30E-04
2636	438330.6	3725690	5.32E-03	1.09E-03	5.69E-03	6.38E-04
2637	438323.8	3725705	5.39E-03	1.10E-03	5.76E-03	6.46E-04
2638	438316.9	3725720	5.45E-03	1.11E-03	5.82E-03	6.53E-04
2639	438310	3725735	5.49E-03	1.12E-03	5.87E-03	6.59E-04
2640	438303.2	3725751	5.54E-03	1.13E-03	5.92E-03	6.64E-04
2641	438296.3	3725766	5.58E-03	1.14E-03	5.97E-03	6.70E-04
2642	438386.7	3725661	4.61E-03	9.41E-04	4.93E-03	5.54E-04
2643	438379.8	3725676	4.67E-03	9.53E-04	4.99E-03	5.60E-04
2644	438372.9	3725691	4.72E-03	9.64E-04	5.05E-03	5.67E-04
2645	438366	3725706	4.78E-03	9.76E-04	5.11E-03	5.74E-04
2646	438359.1	3725721	4.84E-03	9.88E-04	5.17E-03	5.81E-04
2647	438352.2	3725737	4.89E-03	1.00E-03	5.23E-03	5.88E-04

2648	438345.3	3725752	4.95E-03	1.01E-03	5.29E-03	5.94E-04
2649	438338.4	3725767	5.00E-03	1.02E-03	5.34E-03	6.00E-04
2650	438331.5	3725782	5.04E-03	1.03E-03	5.39E-03	6.06E-04
2651	438467.3	3725577	3.86E-03	7.89E-04	4.13E-03	4.64E-04
2652	438411.8	3725700	4.25E-03	8.69E-04	4.55E-03	5.12E-04
2653	438404.9	3725715	4.31E-03	8.81E-04	4.61E-03	5.18E-04
2654	438398	3725730	4.36E-03	8.91E-04	4.67E-03	5.25E-04
2655	438391.1	3725745	4.41E-03	9.01E-04	4.72E-03	5.30E-04
2656	438384.1	3725761	4.46E-03	9.11E-04	4.77E-03	5.36E-04
2657	438377.2	3725776	4.50E-03	9.20E-04	4.81E-03	5.41E-04
2658	438370.3	3725791	4.54E-03	9.28E-04	4.86E-03	5.46E-04
2659	438363.4	3725807	4.58E-03	9.37E-04	4.90E-03	5.52E-04
2660	438492.5	3725616	3.59E-03	7.33E-04	3.84E-03	4.32E-04
2661	438443.8	3725723	3.90E-03	7.97E-04	4.17E-03	4.70E-04
2662	438436.9	3725739	3.95E-03	8.07E-04	4.22E-03	4.75E-04
2663	438429.9	3725754	3.99E-03	8.16E-04	4.27E-03	4.80E-04
2664	438423	3725769	4.04E-03	8.25E-04	4.32E-03	4.86E-04
2665	438416	3725785	4.08E-03	8.35E-04	4.37E-03	4.92E-04
2666	438409.1	3725800	4.13E-03	8.43E-04	4.41E-03	4.97E-04
2667	438402.1	3725815	4.16E-03	8.51E-04	4.45E-03	5.01E-04
2668	438395.2	3725831	4.19E-03	8.57E-04	4.48E-03	5.05E-04
2669	438474.4	3725750	3.60E-03	7.37E-04	3.85E-03	4.34E-04
2670	438467.6	3725765	3.64E-03	7.44E-04	3.89E-03	4.39E-04
2671	438460.8	3725780	3.68E-03	7.52E-04	3.93E-03	4.43E-04
2672	437812.9	3725343	1.53E-01	3.05E-02	1.63E-01	1.71E-02
2673	437869.3	3725369	7.07E-02	1.42E-02	7.53E-02	8.04E-03
2674	437910.2	3725367	4.87E-02	9.78E-03	5.19E-02	5.58E-03
2675	437951.1	3725365	3.60E-02	7.24E-03	3.84E-02	4.15E-03
2676	437966.6	3725394	3.14E-02	6.32E-03	3.35E-02	3.63E-03
2677	437970.8	3725369	3.15E-02	6.34E-03	3.36E-02	3.64E-03
2678	438044.6	3725412	1.94E-02	3.93E-03	2.07E-02	2.27E-03
2679	438047	3725398	1.95E-02	3.95E-03	2.08E-02	2.28E-03
2680	438049.7	3725382	1.96E-02	3.96E-03	2.09E-02	2.29E-03
2681	438075.2	3725412	1.67E-02	3.38E-03	1.78E-02	1.96E-03
2682	438078	3725395	1.67E-02	3.39E-03	1.79E-02	1.96E-03
2683	438103.7	3725423	1.44E-02	2.92E-03	1.54E-02	1.69E-03
2684	438106.2	3725408	1.44E-02	2.92E-03	1.54E-02	1.70E-03
2685	438108.9	3725391	1.44E-02	2.93E-03	1.54E-02	1.70E-03
2686	438137.2	3725405	1.26E-02	2.55E-03	1.34E-02	1.48E-03
2687	438168.2	3725401	1.10E-02	2.23E-03	1.17E-02	1.29E-03
2688	437833.4	3725344	1.14E-01	2.27E-02	1.21E-01	1.28E-02
2689	437889.1	3725369	5.80E-02	1.16E-02	6.18E-02	6.62E-03
2690	438007.4	3725390	2.46E-02	4.96E-03	2.62E-02	2.86E-03
2691	437917	3725343	4.80E-02	9.63E-03	5.11E-02	5.49E-03
2692	437957.7	3725345	3.52E-02	7.07E-03	3.75E-02	4.05E-03
2693	437979.3	3725343	3.04E-02	6.12E-03	3.24E-02	3.51E-03
2694	438013.1	3725370	2.42E-02	4.89E-03	2.59E-02	2.81E-03
2695	438034.7	3725367	2.16E-02	4.35E-03	2.30E-02	2.51E-03
2696	438058.6	3725357	1.91E-02	3.86E-03	2.04E-02	2.23E-03
2697	438113.9	3725381	1.42E-02	2.87E-03	1.51E-02	1.67E-03
2698	438142.8	3725389	1.23E-02	2.50E-03	1.32E-02	1.45E-03
2699	437863.6	3725277	7.76E-02	1.55E-02	8.26E-02	8.76E-03

2700	437899.2	3725261	5.36E-02	1.07E-02	5.71E-02	6.10E-03
2701	437918.1	3725263	4.64E-02	9.29E-03	4.94E-02	5.28E-03
2702	437996.2	3725295	2.75E-02	5.54E-03	2.94E-02	3.18E-03
2703	438016.2	3725309	2.44E-02	4.92E-03	2.61E-02	2.83E-03
2704	438017.2	3725318	2.43E-02	4.90E-03	2.59E-02	2.82E-03
2705	438018.2	3725327	2.42E-02	4.87E-03	2.58E-02	2.80E-03
2706	438019.1	3725336	2.39E-02	4.83E-03	2.55E-02	2.78E-03
2707	438032.7	3725288	2.21E-02	4.45E-03	2.35E-02	2.56E-03
2708	438033.6	3725297	2.20E-02	4.44E-03	2.35E-02	2.55E-03
2709	438034.6	3725306	2.20E-02	4.43E-03	2.34E-02	2.55E-03
2710	438035.5	3725315	2.19E-02	4.41E-03	2.33E-02	2.54E-03
2711	438055.7	3725330	1.95E-02	3.93E-03	2.08E-02	2.27E-03
2712	438056.7	3725339	1.94E-02	3.91E-03	2.06E-02	2.25E-03
2713	438083.6	3725328	1.68E-02	3.39E-03	1.79E-02	1.96E-03
2714	438084.5	3725338	1.67E-02	3.38E-03	1.78E-02	1.95E-03
2715	438085.5	3725347	1.66E-02	3.36E-03	1.77E-02	1.94E-03
2716	438086.5	3725356	1.65E-02	3.33E-03	1.76E-02	1.93E-03
2717	438110.6	3725319	1.47E-02	2.98E-03	1.57E-02	1.72E-03
2718	438111.6	3725328	1.46E-02	2.96E-03	1.56E-02	1.71E-03
2719	438113.4	3725346	1.44E-02	2.92E-03	1.54E-02	1.69E-03
2720	438137.5	3725309	1.29E-02	2.62E-03	1.38E-02	1.52E-03
2721	438138.4	3725318	1.29E-02	2.60E-03	1.37E-02	1.51E-03
2722	438139.4	3725327	1.28E-02	2.59E-03	1.36E-02	1.50E-03
2723	438140.3	3725336	1.27E-02	2.58E-03	1.36E-02	1.49E-03
2724	438164.3	3725298	1.14E-02	2.31E-03	1.22E-02	1.34E-03
2725	438165.3	3725307	1.13E-02	2.30E-03	1.21E-02	1.33E-03
2726	438166.2	3725316	1.13E-02	2.29E-03	1.21E-02	1.33E-03
2727	438167.2	3725325	1.12E-02	2.28E-03	1.20E-02	1.32E-03
2728	438173	3725380	1.08E-02	2.20E-03	1.16E-02	1.28E-03
2729	438194.2	3725316	1.00E-02	2.03E-03	1.07E-02	1.18E-03
2730	438200	3725371	9.69E-03	1.97E-03	1.04E-02	1.15E-03
2731	438200.9	3725380	9.64E-03	1.96E-03	1.03E-02	1.14E-03
2732	438201.9	3725389	9.57E-03	1.94E-03	1.02E-02	1.13E-03
2733	438226.8	3725360	8.73E-03	1.77E-03	9.33E-03	1.03E-03
2734	438227.8	3725369	8.68E-03	1.76E-03	9.27E-03	1.03E-03
2735	438228.8	3725378	8.62E-03	1.75E-03	9.20E-03	1.02E-03
2736	438229.7	3725388	8.56E-03	1.74E-03	9.14E-03	1.01E-03
2737	438254.8	3725360	7.87E-03	1.60E-03	8.41E-03	9.33E-04
2738	438255.8	3725369	7.82E-03	1.59E-03	8.35E-03	9.28E-04
2739	438256.7	3725378	7.77E-03	1.58E-03	8.30E-03	9.22E-04
2740	438257.7	3725387	7.72E-03	1.57E-03	8.25E-03	9.16E-04
2741	438258.6	3725396	7.68E-03	1.56E-03	8.20E-03	9.12E-04
2742	438285.5	3725386	7.00E-03	1.42E-03	7.48E-03	8.32E-04
2743	438286.5	3725395	6.97E-03	1.42E-03	7.44E-03	8.29E-04
2744	438472.4	3724891	2.69E-03	5.50E-04	2.88E-03	3.23E-04
2745	438507.7	3724872	2.48E-03	5.08E-04	2.66E-03	2.99E-04
2746	438503.4	3724864	2.46E-03	5.02E-04	2.63E-03	2.95E-04
2747	438499	3724856	2.43E-03	4.96E-04	2.59E-03	2.92E-04
2748	438494.7	3724848	2.39E-03	4.89E-04	2.56E-03	2.88E-04
2749	438534.4	3724837	2.26E-03	4.61E-04	2.41E-03	2.72E-04
2750	438530	3724829	2.23E-03	4.56E-04	2.39E-03	2.69E-04
2751	438565.3	3724810	2.07E-03	4.24E-04	2.22E-03	2.50E-04

2752	438160.6	3724648	1.68E-03	3.46E-04	1.80E-03	2.06E-04
2753	438152.8	3724643	1.65E-03	3.39E-04	1.77E-03	2.02E-04
2754	438145.1	3724638	1.61E-03	3.31E-04	1.72E-03	1.97E-04
2755	438137.3	3724632	1.57E-03	3.24E-04	1.68E-03	1.93E-04
2756	438129.5	3724627	1.53E-03	3.16E-04	1.64E-03	1.88E-04
2757	438121.8	3724622	1.50E-03	3.09E-04	1.60E-03	1.84E-04
2758	438114	3724616	1.46E-03	3.01E-04	1.56E-03	1.79E-04
2759	438106.3	3724611	1.42E-03	2.93E-04	1.52E-03	1.75E-04
2760	438098.5	3724606	1.38E-03	2.85E-04	1.48E-03	1.70E-04
2761	438189.4	3724622	1.58E-03	3.25E-04	1.69E-03	1.93E-04
2762	438195.6	3724629	1.61E-03	3.32E-04	1.73E-03	1.98E-04
2763	438201.8	3724636	1.65E-03	3.40E-04	1.77E-03	2.02E-04
2764	438207.9	3724643	1.69E-03	3.48E-04	1.81E-03	2.07E-04
2765	438214.1	3724650	1.73E-03	3.56E-04	1.86E-03	2.11E-04
2766	438220.3	3724657	1.77E-03	3.64E-04	1.90E-03	2.16E-04
2767	438226.4	3724664	1.81E-03	3.72E-04	1.94E-03	2.21E-04
2768	438232.6	3724671	1.85E-03	3.80E-04	1.98E-03	2.25E-04
2769	438238.8	3724678	1.89E-03	3.88E-04	2.02E-03	2.30E-04
2770	438245	3724684	1.93E-03	3.96E-04	2.07E-03	2.35E-04
2771	438251.1	3724691	1.97E-03	4.05E-04	2.12E-03	2.40E-04
2772	438257.3	3724698	2.02E-03	4.14E-04	2.16E-03	2.45E-04
2773	438263.5	3724705	2.06E-03	4.22E-04	2.20E-03	2.50E-04
2774	438269.7	3724712	2.10E-03	4.30E-04	2.25E-03	2.54E-04
2775	438275.8	3724719	2.14E-03	4.38E-04	2.29E-03	2.59E-04
2776	438282	3724726	2.18E-03	4.46E-04	2.33E-03	2.64E-04
2777	438288.2	3724733	2.21E-03	4.54E-04	2.37E-03	2.68E-04
2778	438343.7	3724795	2.50E-03	5.11E-04	2.67E-03	3.01E-04
2779	438349.9	3724802	2.52E-03	5.15E-04	2.70E-03	3.03E-04
2780	438356.1	3724809	2.54E-03	5.20E-04	2.72E-03	3.06E-04
2781	438183.2	3724615	1.54E-03	3.17E-04	1.65E-03	1.89E-04
2782	438175.5	3724610	1.51E-03	3.11E-04	1.62E-03	1.85E-04
2783	438167.7	3724605	1.48E-03	3.04E-04	1.58E-03	1.81E-04
2784	438160	3724599	1.44E-03	2.97E-04	1.54E-03	1.77E-04
2785	438152.2	3724594	1.40E-03	2.90E-04	1.51E-03	1.73E-04
2786	438144.5	3724589	1.37E-03	2.82E-04	1.47E-03	1.68E-04
2787	438136.7	3724583	1.33E-03	2.75E-04	1.43E-03	1.64E-04
2788	438128.9	3724578	1.30E-03	2.68E-04	1.39E-03	1.60E-04
2789	438121.2	3724573	1.27E-03	2.61E-04	1.36E-03	1.56E-04
2790	438212.1	3724589	1.45E-03	2.98E-04	1.55E-03	1.78E-04
2791	438218.3	3724596	1.48E-03	3.05E-04	1.59E-03	1.82E-04
2792	438224.4	3724603	1.52E-03	3.13E-04	1.63E-03	1.86E-04
2793	438230.6	3724610	1.55E-03	3.20E-04	1.67E-03	1.90E-04
2794	438236.8	3724617	1.59E-03	3.27E-04	1.70E-03	1.94E-04
2795	438243	3724624	1.62E-03	3.34E-04	1.74E-03	1.98E-04
2796	438249.2	3724631	1.66E-03	3.41E-04	1.78E-03	2.02E-04
2797	438255.3	3724638	1.69E-03	3.48E-04	1.81E-03	2.06E-04
2798	438261.5	3724645	1.73E-03	3.55E-04	1.85E-03	2.10E-04
2799	438267.7	3724652	1.76E-03	3.62E-04	1.89E-03	2.15E-04
2800	438273.9	3724659	1.80E-03	3.69E-04	1.93E-03	2.19E-04
2801	438280.1	3724665	1.83E-03	3.76E-04	1.96E-03	2.23E-04
2802	438286.3	3724672	1.87E-03	3.84E-04	2.00E-03	2.27E-04
2803	438292.4	3724679	1.91E-03	3.91E-04	2.04E-03	2.31E-04

2804	438298.6	3724686	1.94E-03	3.98E-04	2.08E-03	2.36E-04
2805	438317.2	3724707	2.04E-03	4.19E-04	2.19E-03	2.48E-04
2806	438366.6	3724763	2.28E-03	4.66E-04	2.44E-03	2.75E-04
2807	438372.8	3724769	2.30E-03	4.71E-04	2.46E-03	2.78E-04
2808	438379	3724776	2.32E-03	4.75E-04	2.49E-03	2.80E-04
2809	438385.2	3724783	2.35E-03	4.80E-04	2.51E-03	2.83E-04
2810	438391.3	3724790	2.36E-03	4.84E-04	2.53E-03	2.85E-04
2811	438397.5	3724797	2.38E-03	4.87E-04	2.55E-03	2.87E-04
2812	438403.7	3724804	2.39E-03	4.89E-04	2.56E-03	2.88E-04
2813	438409.9	3724811	2.40E-03	4.91E-04	2.57E-03	2.89E-04
2814	438416.1	3724818	2.42E-03	4.94E-04	2.59E-03	2.91E-04
2815	438428.4	3724832	2.46E-03	5.03E-04	2.63E-03	2.96E-04
2816	438205.9	3724582	1.42E-03	2.92E-04	1.52E-03	1.73E-04
2817	438198.1	3724577	1.39E-03	2.86E-04	1.49E-03	1.70E-04
2818	438190.4	3724572	1.36E-03	2.80E-04	1.46E-03	1.67E-04
2819	438182.6	3724566	1.33E-03	2.73E-04	1.42E-03	1.63E-04
2820	438174.9	3724561	1.29E-03	2.67E-04	1.39E-03	1.59E-04
2821	438167.1	3724556	1.26E-03	2.60E-04	1.35E-03	1.55E-04
2822	438159.4	3724550	1.23E-03	2.54E-04	1.32E-03	1.52E-04
2823	438151.6	3724545	1.20E-03	2.48E-04	1.29E-03	1.48E-04
2824	438143.9	3724540	1.17E-03	2.41E-04	1.25E-03	1.44E-04
2825	438234.7	3724556	1.34E-03	2.75E-04	1.43E-03	1.64E-04
2826	438240.9	3724563	1.37E-03	2.81E-04	1.47E-03	1.67E-04
2827	438247.1	3724570	1.40E-03	2.88E-04	1.50E-03	1.71E-04
2828	438253.3	3724577	1.43E-03	2.94E-04	1.53E-03	1.75E-04
2829	438259.5	3724584	1.46E-03	3.01E-04	1.57E-03	1.79E-04
2830	438265.7	3724591	1.49E-03	3.07E-04	1.60E-03	1.82E-04
2831	438271.9	3724598	1.52E-03	3.13E-04	1.63E-03	1.86E-04
2832	438278.1	3724605	1.55E-03	3.19E-04	1.66E-03	1.89E-04
2833	438284.3	3724612	1.58E-03	3.26E-04	1.70E-03	1.93E-04
2834	438290.4	3724619	1.62E-03	3.32E-04	1.73E-03	1.97E-04
2835	438296.6	3724626	1.65E-03	3.39E-04	1.77E-03	2.01E-04
2836	438302.8	3724633	1.68E-03	3.45E-04	1.80E-03	2.04E-04
2837	438309	3724640	1.71E-03	3.51E-04	1.83E-03	2.08E-04
2838	438315.2	3724646	1.74E-03	3.58E-04	1.87E-03	2.12E-04
2839	438321.4	3724653	1.78E-03	3.64E-04	1.90E-03	2.16E-04
2840	438327.6	3724660	1.81E-03	3.71E-04	1.93E-03	2.19E-04
2841	438333.8	3724667	1.84E-03	3.77E-04	1.97E-03	2.23E-04
2842	438340	3724674	1.87E-03	3.83E-04	2.00E-03	2.26E-04
2843	438401.8	3724744	2.13E-03	4.36E-04	2.28E-03	2.57E-04
2844	438408	3724751	2.15E-03	4.40E-04	2.30E-03	2.60E-04
2845	438414.2	3724758	2.17E-03	4.44E-04	2.32E-03	2.62E-04
2846	438420.4	3724764	2.19E-03	4.48E-04	2.34E-03	2.64E-04
2847	438426.6	3724771	2.21E-03	4.52E-04	2.37E-03	2.67E-04
2848	438432.8	3724778	2.23E-03	4.56E-04	2.39E-03	2.69E-04
2849	438439	3724785	2.25E-03	4.59E-04	2.40E-03	2.71E-04
2850	438445.2	3724792	2.26E-03	4.62E-04	2.42E-03	2.72E-04
2851	438228.6	3724549	1.30E-03	2.69E-04	1.40E-03	1.60E-04
2852	438220.8	3724544	1.28E-03	2.63E-04	1.37E-03	1.57E-04
2853	438213	3724539	1.25E-03	2.57E-04	1.34E-03	1.53E-04
2854	438205.3	3724533	1.22E-03	2.52E-04	1.31E-03	1.50E-04
2855	438197.5	3724528	1.20E-03	2.46E-04	1.28E-03	1.47E-04

2856	438189.8	3724523	1.17E-03	2.41E-04	1.25E-03	1.44E-04
2857	438182	3724517	1.14E-03	2.35E-04	1.22E-03	1.40E-04
2858	438174.3	3724512	1.11E-03	2.29E-04	1.19E-03	1.37E-04
2859	438166.5	3724507	1.08E-03	2.24E-04	1.16E-03	1.34E-04
2860	438257.4	3724523	1.24E-03	2.56E-04	1.33E-03	1.52E-04
2861	438263.6	3724530	1.27E-03	2.62E-04	1.36E-03	1.56E-04
2862	438269.8	3724537	1.30E-03	2.67E-04	1.39E-03	1.59E-04
2863	438276	3724544	1.33E-03	2.73E-04	1.42E-03	1.62E-04
2864	438282.2	3724551	1.35E-03	2.78E-04	1.45E-03	1.66E-04
2865	438288.4	3724558	1.38E-03	2.84E-04	1.48E-03	1.69E-04
2866	438294.6	3724565	1.41E-03	2.90E-04	1.51E-03	1.72E-04
2867	438300.8	3724572	1.44E-03	2.96E-04	1.54E-03	1.76E-04
2868	438307	3724579	1.47E-03	3.02E-04	1.57E-03	1.79E-04
2869	438313.2	3724586	1.50E-03	3.07E-04	1.60E-03	1.82E-04
2870	438319.4	3724593	1.52E-03	3.13E-04	1.63E-03	1.86E-04
2871	438325.6	3724600	1.55E-03	3.19E-04	1.67E-03	1.89E-04
2872	438331.8	3724607	1.58E-03	3.25E-04	1.70E-03	1.93E-04
2873	438337.9	3724614	1.61E-03	3.31E-04	1.73E-03	1.96E-04
2874	438344.1	3724621	1.64E-03	3.36E-04	1.76E-03	1.99E-04
2875	438350.3	3724628	1.67E-03	3.42E-04	1.78E-03	2.02E-04
2876	438356.5	3724634	1.69E-03	3.48E-04	1.81E-03	2.06E-04
2877	438418.5	3724704	1.93E-03	3.96E-04	2.07E-03	2.34E-04
2878	438430.9	3724718	1.97E-03	4.04E-04	2.11E-03	2.39E-04
2879	438437.1	3724725	1.99E-03	4.08E-04	2.13E-03	2.41E-04
2880	438443.3	3724732	2.01E-03	4.12E-04	2.15E-03	2.43E-04
2881	438449.5	3724739	2.03E-03	4.16E-04	2.17E-03	2.45E-04
2882	438455.7	3724746	2.05E-03	4.19E-04	2.19E-03	2.47E-04
2883	438461.9	3724753	2.06E-03	4.22E-04	2.21E-03	2.49E-04
2884	438468.1	3724760	2.08E-03	4.26E-04	2.23E-03	2.51E-04
2885	438474.2	3724766	2.09E-03	4.29E-04	2.24E-03	2.53E-04
2886	438480.4	3724773	2.11E-03	4.32E-04	2.26E-03	2.54E-04
2887	438486.6	3724780	2.12E-03	4.34E-04	2.27E-03	2.56E-04
2888	438492.8	3724787	2.14E-03	4.37E-04	2.29E-03	2.58E-04
2889	438499	3724794	2.15E-03	4.40E-04	2.30E-03	2.59E-04
2890	438505.2	3724801	2.17E-03	4.43E-04	2.32E-03	2.61E-04
2891	438511.4	3724808	2.18E-03	4.46E-04	2.34E-03	2.63E-04
2892	438517.6	3724815	2.20E-03	4.49E-04	2.35E-03	2.65E-04
2893	438523.8	3724822	2.21E-03	4.53E-04	2.37E-03	2.67E-04
2894	438251.2	3724516	1.21E-03	2.50E-04	1.30E-03	1.49E-04
2895	438243.5	3724511	1.19E-03	2.45E-04	1.27E-03	1.46E-04
2896	438235.7	3724506	1.16E-03	2.39E-04	1.25E-03	1.43E-04
2897	438227.9	3724500	1.14E-03	2.34E-04	1.22E-03	1.39E-04
2898	438220.2	3724495	1.11E-03	2.29E-04	1.19E-03	1.36E-04
2899	438212.4	3724490	1.08E-03	2.24E-04	1.16E-03	1.33E-04
2900	438204.7	3724484	1.06E-03	2.19E-04	1.14E-03	1.30E-04
2901	438196.9	3724479	1.04E-03	2.14E-04	1.11E-03	1.28E-04
2902	438189.2	3724474	1.01E-03	2.09E-04	1.08E-03	1.25E-04
2903	438466.1	3724699	1.86E-03	3.80E-04	1.99E-03	2.24E-04
2904	438472.3	3724706	1.87E-03	3.83E-04	2.00E-03	2.26E-04
2905	438478.5	3724713	1.89E-03	3.87E-04	2.02E-03	2.28E-04
2906	438484.7	3724720	1.90E-03	3.90E-04	2.04E-03	2.30E-04
2907	438490.9	3724727	1.92E-03	3.93E-04	2.05E-03	2.32E-04

2908	438497.1	3724734	1.94E-03	3.96E-04	2.07E-03	2.34E-04
2909	438503.3	3724741	1.95E-03	4.00E-04	2.09E-03	2.36E-04
2910	438509.5	3724748	1.97E-03	4.03E-04	2.11E-03	2.38E-04
2911	438515.7	3724755	1.98E-03	4.06E-04	2.12E-03	2.39E-04
2912	438521.9	3724762	2.00E-03	4.09E-04	2.14E-03	2.41E-04
2913	438528.1	3724769	2.01E-03	4.11E-04	2.15E-03	2.43E-04
2914	438534.3	3724775	2.02E-03	4.14E-04	2.17E-03	2.44E-04
2915	438540.5	3724782	2.04E-03	4.17E-04	2.18E-03	2.46E-04
2916	438546.7	3724789	2.05E-03	4.19E-04	2.19E-03	2.47E-04
2917	438552.9	3724796	2.06E-03	4.21E-04	2.20E-03	2.48E-04
2918	438559.1	3724803	2.07E-03	4.23E-04	2.21E-03	2.49E-04
2919	438211.8	3724441	9.52E-04	1.96E-04	1.02E-03	1.17E-04
2920	438302.7	3724457	1.05E-03	2.16E-04	1.12E-03	1.28E-04
2921	438308.9	3724464	1.07E-03	2.20E-04	1.15E-03	1.31E-04
2922	438315.2	3724471	1.09E-03	2.25E-04	1.17E-03	1.34E-04
2923	438321.4	3724478	1.11E-03	2.29E-04	1.19E-03	1.36E-04
2924	438327.6	3724485	1.14E-03	2.34E-04	1.22E-03	1.39E-04
2925	438333.8	3724492	1.16E-03	2.38E-04	1.24E-03	1.42E-04
2926	438340	3724499	1.18E-03	2.43E-04	1.26E-03	1.44E-04
2927	438346.2	3724506	1.20E-03	2.48E-04	1.29E-03	1.47E-04
2928	438352.4	3724513	1.23E-03	2.52E-04	1.31E-03	1.50E-04
2929	438358.6	3724520	1.25E-03	2.57E-04	1.34E-03	1.53E-04
2930	438364.8	3724527	1.27E-03	2.62E-04	1.36E-03	1.55E-04
2931	438371	3724534	1.29E-03	2.66E-04	1.39E-03	1.58E-04
2932	438377.2	3724541	1.32E-03	2.71E-04	1.41E-03	1.61E-04
2933	438383.4	3724548	1.34E-03	2.76E-04	1.44E-03	1.64E-04
2934	438389.6	3724555	1.37E-03	2.81E-04	1.46E-03	1.66E-04
2935	438395.8	3724562	1.39E-03	2.85E-04	1.49E-03	1.69E-04
2936	438402	3724569	1.41E-03	2.90E-04	1.51E-03	1.72E-04
2937	438408.3	3724576	1.44E-03	2.95E-04	1.54E-03	1.75E-04
2938	438414.5	3724583	1.46E-03	3.00E-04	1.56E-03	1.77E-04
2939	438420.7	3724590	1.48E-03	3.04E-04	1.59E-03	1.80E-04
2940	438426.9	3724597	1.51E-03	3.09E-04	1.61E-03	1.83E-04
2941	438433.1	3724604	1.53E-03	3.14E-04	1.64E-03	1.86E-04
2942	438439.3	3724611	1.55E-03	3.19E-04	1.66E-03	1.89E-04
2943	438445.5	3724617	1.57E-03	3.23E-04	1.69E-03	1.91E-04
2944	438451.7	3724624	1.60E-03	3.27E-04	1.71E-03	1.94E-04
2945	438296.5	3724450	1.03E-03	2.11E-04	1.10E-03	1.26E-04
2946	438288.8	3724445	1.01E-03	2.08E-04	1.08E-03	1.24E-04
2947	438281	3724440	9.93E-04	2.05E-04	1.06E-03	1.22E-04
2948	438273.3	3724434	9.75E-04	2.01E-04	1.05E-03	1.20E-04
2949	438325.4	3724424	9.52E-04	1.96E-04	1.02E-03	1.17E-04
2950	438331.6	3724431	9.72E-04	2.00E-04	1.04E-03	1.19E-04
2951	438337.8	3724438	9.92E-04	2.04E-04	1.06E-03	1.22E-04
2952	438344	3724445	1.01E-03	2.08E-04	1.08E-03	1.24E-04
2953	438350.3	3724452	1.03E-03	2.13E-04	1.11E-03	1.27E-04
2954	438356.5	3724459	1.05E-03	2.17E-04	1.13E-03	1.29E-04
2955	438362.7	3724466	1.07E-03	2.21E-04	1.15E-03	1.31E-04
2956	438368.9	3724473	1.09E-03	2.25E-04	1.17E-03	1.34E-04
2957	438375.1	3724480	1.12E-03	2.29E-04	1.20E-03	1.36E-04
2958	438381.3	3724487	1.14E-03	2.34E-04	1.22E-03	1.39E-04
2959	438387.5	3724494	1.16E-03	2.38E-04	1.24E-03	1.41E-04

2960	438393.7	3724501	1.18E-03	2.42E-04	1.26E-03	1.44E-04
2961	438399.9	3724508	1.20E-03	2.47E-04	1.28E-03	1.46E-04
2962	438406.2	3724515	1.22E-03	2.51E-04	1.31E-03	1.49E-04
2963	438412.4	3724522	1.24E-03	2.55E-04	1.33E-03	1.51E-04
2964	438418.6	3724529	1.26E-03	2.59E-04	1.35E-03	1.54E-04
2965	438424.8	3724536	1.28E-03	2.63E-04	1.37E-03	1.56E-04
2966	438431	3724543	1.30E-03	2.67E-04	1.39E-03	1.59E-04
2967	438437.2	3724550	1.32E-03	2.71E-04	1.42E-03	1.61E-04
2968	438443.4	3724557	1.34E-03	2.75E-04	1.44E-03	1.63E-04
2969	438449.6	3724564	1.36E-03	2.79E-04	1.46E-03	1.66E-04
2970	438455.9	3724571	1.38E-03	2.84E-04	1.48E-03	1.68E-04
2971	438462.1	3724578	1.40E-03	2.88E-04	1.50E-03	1.70E-04
2972	438468.3	3724585	1.42E-03	2.92E-04	1.52E-03	1.73E-04
2973	438474.5	3724592	1.44E-03	2.95E-04	1.54E-03	1.75E-04
2974	438480.7	3724599	1.46E-03	2.99E-04	1.56E-03	1.77E-04
2975	438486.9	3724606	1.47E-03	3.03E-04	1.58E-03	1.79E-04
2976	438493.1	3724613	1.49E-03	3.06E-04	1.60E-03	1.81E-04
2977	438319.2	3724417	9.33E-04	1.92E-04	1.00E-03	1.15E-04
2978	438311.4	3724412	9.17E-04	1.89E-04	9.84E-04	1.13E-04
2979	438303.7	3724407	9.02E-04	1.86E-04	9.67E-04	1.11E-04
2980	438295.9	3724401	8.87E-04	1.83E-04	9.51E-04	1.09E-04
2981	438288.2	3724396	8.71E-04	1.80E-04	9.34E-04	1.07E-04
2982	438280.4	3724391	8.55E-04	1.76E-04	9.17E-04	1.05E-04
2983	438272.7	3724385	8.40E-04	1.73E-04	9.01E-04	1.03E-04
2984	438264.9	3724380	8.24E-04	1.70E-04	8.84E-04	1.02E-04
2985	438257.2	3724375	8.08E-04	1.67E-04	8.67E-04	9.96E-05
2986	438089.2	3724599	1.33E-03	2.75E-04	1.43E-03	1.64E-04
2987	438112.5	3724566	1.22E-03	2.53E-04	1.31E-03	1.51E-04
2988	438098.2	3724556	1.16E-03	2.39E-04	1.24E-03	1.43E-04
2989	438083.9	3724546	1.09E-03	2.25E-04	1.17E-03	1.35E-04
2990	438135.9	3724534	1.13E-03	2.34E-04	1.22E-03	1.40E-04
2991	438121.6	3724523	1.08E-03	2.22E-04	1.15E-03	1.33E-04
2992	438107.3	3724513	1.02E-03	2.10E-04	1.09E-03	1.26E-04
2993	438159.2	3724501	1.06E-03	2.18E-04	1.13E-03	1.30E-04
2994	438144.9	3724491	1.01E-03	2.08E-04	1.08E-03	1.24E-04
2995	438130.6	3724481	9.56E-04	1.97E-04	1.03E-03	1.18E-04
2996	438175.4	3724464	9.66E-04	1.99E-04	1.04E-03	1.19E-04
2997	438161.1	3724453	9.21E-04	1.90E-04	9.88E-04	1.14E-04
2998	438146.8	3724443	8.76E-04	1.81E-04	9.40E-04	1.08E-04
2999	438198.7	3724431	9.13E-04	1.88E-04	9.79E-04	1.13E-04
3000	438184.4	3724421	8.71E-04	1.80E-04	9.34E-04	1.08E-04
3001	438170.1	3724411	8.29E-04	1.71E-04	8.90E-04	1.03E-04
3002	438245.4	3724366	7.82E-04	1.62E-04	8.39E-04	9.65E-05
3003	438231.1	3724356	7.53E-04	1.55E-04	8.07E-04	9.29E-05
3004	438216.8	3724346	7.23E-04	1.49E-04	7.76E-04	8.93E-05
3005	437513.6	3724656	5.14E-04	1.07E-04	5.52E-04	6.42E-05
3006	437530.2	3724649	5.08E-04	1.06E-04	5.46E-04	6.38E-05
3007	437546.7	3724642	5.05E-04	1.05E-04	5.43E-04	6.37E-05
3008	437563.3	3724636	5.05E-04	1.05E-04	5.43E-04	6.40E-05
3009	437647.6	3724631	5.27E-04	1.11E-04	5.68E-04	6.78E-05
3010	437664.8	3724636	5.73E-04	1.20E-04	6.17E-04	7.38E-05
3011	437456.8	3724649	4.97E-04	1.02E-04	5.33E-04	6.10E-05

3012	437473	3724642	4.81E-04	9.94E-05	5.17E-04	5.94E-05
3013	437489.3	3724636	4.69E-04	9.70E-05	5.04E-04	5.81E-05
3014	437505.5	3724629	4.60E-04	9.53E-05	4.94E-04	5.73E-05
3015	437521.8	3724622	4.54E-04	9.42E-05	4.87E-04	5.67E-05
3016	437538	3724615	4.50E-04	9.36E-05	4.84E-04	5.65E-05
3017	437554.3	3724609	4.49E-04	9.35E-05	4.83E-04	5.66E-05
3018	437611.5	3724591	4.20E-04	8.77E-05	4.52E-04	5.34E-05
3019	437628.4	3724596	4.37E-04	9.15E-05	4.70E-04	5.58E-05
3020	437645.3	3724601	4.59E-04	9.61E-05	4.94E-04	5.87E-05
3021	437662.1	3724606	4.95E-04	1.04E-04	5.34E-04	6.36E-05
3022	437679	3724611	5.42E-04	1.14E-04	5.84E-04	6.97E-05
3023	437695.9	3724616	5.90E-04	1.24E-04	6.36E-04	7.59E-05
3024	437712.8	3724621	6.42E-04	1.35E-04	6.92E-04	8.26E-05
3025	437388.9	3724646	5.23E-04	1.07E-04	5.60E-04	6.35E-05
3026	437405.2	3724640	5.00E-04	1.03E-04	5.36E-04	6.08E-05
3027	437421.6	3724633	4.79E-04	9.85E-05	5.14E-04	5.84E-05
3028	437438	3724626	4.61E-04	9.48E-05	4.94E-04	5.63E-05
3029	437454.3	3724619	4.45E-04	9.16E-05	4.77E-04	5.46E-05
3030	437470.7	3724613	4.31E-04	8.90E-05	4.63E-04	5.31E-05
3031	437487	3724606	4.20E-04	8.69E-05	4.51E-04	5.20E-05
3032	437503.4	3724599	4.13E-04	8.54E-05	4.43E-04	5.13E-05
3033	437519.7	3724592	4.07E-04	8.44E-05	4.37E-04	5.08E-05
3034	437536.1	3724586	4.04E-04	8.39E-05	4.34E-04	5.06E-05
3035	437585.1	3724565	3.65E-04	7.61E-05	3.93E-04	4.62E-05
3036	437610	3724561	3.68E-04	7.68E-05	3.96E-04	4.67E-05
3037	437626.9	3724566	3.89E-04	8.14E-05	4.19E-04	4.96E-05
3038	437643.9	3724571	4.12E-04	8.62E-05	4.43E-04	5.26E-05
3039	437660.9	3724576	4.43E-04	9.28E-05	4.77E-04	5.67E-05
3040	437677.9	3724581	4.84E-04	1.01E-04	5.21E-04	6.20E-05
3041	437694.8	3724586	5.27E-04	1.10E-04	5.67E-04	6.76E-05
3042	437711.8	3724591	5.73E-04	1.20E-04	6.18E-04	7.36E-05
3043	437728.8	3724596	6.25E-04	1.31E-04	6.73E-04	8.02E-05
3044	437745.8	3724601	6.83E-04	1.43E-04	7.36E-04	8.76E-05
3045	437762.7	3724606	7.46E-04	1.56E-04	8.04E-04	9.56E-05
3046	437779.7	3724611	8.16E-04	1.71E-04	8.79E-04	1.04E-04
3047	437796.7	3724616	8.95E-04	1.87E-04	9.63E-04	1.14E-04
3048	437813.7	3724621	9.82E-04	2.05E-04	1.06E-03	1.25E-04
3049	437362.2	3724617	4.83E-04	9.91E-05	5.18E-04	5.85E-05
3050	437378.6	3724610	4.62E-04	9.47E-05	4.95E-04	5.60E-05
3051	437394.9	3724603	4.42E-04	9.07E-05	4.73E-04	5.37E-05
3052	437411.3	3724596	4.24E-04	8.70E-05	4.54E-04	5.16E-05
3053	437427.6	3724590	4.07E-04	8.38E-05	4.37E-04	4.97E-05
3054	437444	3724583	3.93E-04	8.10E-05	4.22E-04	4.82E-05
3055	437460.3	3724576	3.81E-04	7.86E-05	4.09E-04	4.69E-05
3056	437476.7	3724569	3.71E-04	7.67E-05	3.98E-04	4.58E-05
3057	437493.1	3724563	3.64E-04	7.52E-05	3.90E-04	4.50E-05
3058	437509.4	3724556	3.58E-04	7.41E-05	3.84E-04	4.45E-05
3059	437558.5	3724536	3.37E-04	7.00E-05	3.62E-04	4.22E-05
3060	437574.8	3724529	3.18E-04	6.62E-05	3.42E-04	4.00E-05
3061	437591.2	3724522	3.10E-04	6.45E-05	3.33E-04	3.91E-05
3062	437607.8	3724521	3.20E-04	6.67E-05	3.44E-04	4.04E-05
3063	437624.8	3724526	3.38E-04	7.05E-05	3.63E-04	4.29E-05

3064	437641.8	3724531	3.60E-04	7.52E-05	3.87E-04	4.58E-05
3065	437658.8	3724536	3.87E-04	8.09E-05	4.17E-04	4.94E-05
3066	437675.7	3724541	4.19E-04	8.76E-05	4.51E-04	5.35E-05
3067	437692.7	3724546	4.54E-04	9.51E-05	4.89E-04	5.81E-05
3068	437709.7	3724551	4.95E-04	1.04E-04	5.33E-04	6.33E-05
3069	437726.7	3724556	5.34E-04	1.12E-04	5.75E-04	6.84E-05
3070	437743.6	3724561	5.78E-04	1.21E-04	6.23E-04	7.40E-05
3071	437760.6	3724566	6.29E-04	1.32E-04	6.77E-04	8.04E-05
3072	437777.6	3724571	6.81E-04	1.42E-04	7.33E-04	8.69E-05
3073	437794.6	3724576	7.34E-04	1.54E-04	7.90E-04	9.36E-05
3074	437811.5	3724581	7.97E-04	1.67E-04	8.58E-04	1.01E-04
3075	437828.5	3724586	8.66E-04	1.81E-04	9.32E-04	1.10E-04
3076	437335.6	3724587	4.51E-04	9.23E-05	4.83E-04	5.45E-05
3077	437351.9	3724580	4.31E-04	8.82E-05	4.61E-04	5.21E-05
3078	437368.3	3724573	4.12E-04	8.44E-05	4.41E-04	4.99E-05
3079	437384.6	3724566	3.94E-04	8.09E-05	4.22E-04	4.78E-05
3080	437401	3724560	3.78E-04	7.77E-05	4.05E-04	4.60E-05
3081	437417.3	3724553	3.64E-04	7.48E-05	3.90E-04	4.44E-05
3082	437433.7	3724546	3.51E-04	7.23E-05	3.77E-04	4.30E-05
3083	437450	3724539	3.41E-04	7.02E-05	3.65E-04	4.18E-05
3084	437466.4	3724533	3.31E-04	6.84E-05	3.56E-04	4.08E-05
3085	437482.7	3724526	3.24E-04	6.70E-05	3.48E-04	4.00E-05
3086	437580.9	3724485	2.85E-04	5.93E-05	3.07E-04	3.58E-05
3087	437605.7	3724481	2.90E-04	6.04E-05	3.12E-04	3.66E-05
3088	437622.7	3724486	3.04E-04	6.33E-05	3.26E-04	3.84E-05
3089	437639.6	3724491	3.21E-04	6.70E-05	3.45E-04	4.07E-05
3090	437656.6	3724496	3.42E-04	7.14E-05	3.68E-04	4.35E-05
3091	437673.6	3724501	3.68E-04	7.69E-05	3.96E-04	4.68E-05
3092	437690.6	3724506	3.98E-04	8.31E-05	4.28E-04	5.07E-05
3093	437707.6	3724511	4.31E-04	9.02E-05	4.64E-04	5.50E-05
3094	437724.5	3724516	4.67E-04	9.76E-05	5.02E-04	5.95E-05
3095	437741.5	3724521	5.03E-04	1.05E-04	5.42E-04	6.42E-05
3096	437758.5	3724526	5.40E-04	1.13E-04	5.81E-04	6.89E-05
3097	437775.5	3724531	5.81E-04	1.22E-04	6.26E-04	7.41E-05
3098	437210.8	3724597	5.38E-04	1.10E-04	5.77E-04	6.52E-05
3099	437227.2	3724591	5.20E-04	1.07E-04	5.57E-04	6.28E-05
3100	437243.5	3724584	5.01E-04	1.03E-04	5.36E-04	6.05E-05
3101	437259.9	3724577	4.81E-04	9.85E-05	5.15E-04	5.81E-05
3102	437276.2	3724570	4.61E-04	9.45E-05	4.94E-04	5.57E-05
3103	437292.6	3724564	4.42E-04	9.05E-05	4.73E-04	5.34E-05
3104	437308.9	3724557	4.23E-04	8.66E-05	4.53E-04	5.11E-05
3105	437325.3	3724550	4.04E-04	8.28E-05	4.33E-04	4.89E-05
3106	437341.6	3724543	3.87E-04	7.92E-05	4.14E-04	4.68E-05
3107	437358	3724537	3.70E-04	7.59E-05	3.97E-04	4.48E-05
3108	437374.3	3724530	3.55E-04	7.28E-05	3.80E-04	4.30E-05
3109	437390.7	3724523	3.41E-04	7.00E-05	3.65E-04	4.14E-05
3110	437407	3724516	3.28E-04	6.74E-05	3.52E-04	4.00E-05
3111	437423.4	3724510	3.17E-04	6.51E-05	3.40E-04	3.87E-05
3112	437439.7	3724503	3.07E-04	6.32E-05	3.29E-04	3.76E-05
3113	437570.5	3724449	2.55E-04	5.29E-05	2.74E-04	3.19E-05
3114	437586.9	3724442	2.54E-04	5.28E-05	2.73E-04	3.19E-05
3115	437603.6	3724441	2.62E-04	5.44E-05	2.81E-04	3.29E-05

3116	437620.5	3724446	2.75E-04	5.73E-05	2.96E-04	3.47E-05
3117	437637.5	3724451	2.90E-04	6.05E-05	3.12E-04	3.67E-05
3118	437654.5	3724456	3.08E-04	6.42E-05	3.31E-04	3.90E-05
3119	437671.5	3724461	3.28E-04	6.85E-05	3.53E-04	4.16E-05
3120	437688.4	3724466	3.52E-04	7.34E-05	3.78E-04	4.47E-05
3121	437705.4	3724471	3.79E-04	7.92E-05	4.08E-04	4.82E-05
3122	437722.4	3724476	4.06E-04	8.49E-05	4.37E-04	5.17E-05
3123	437739.4	3724481	4.35E-04	9.10E-05	4.68E-04	5.54E-05
3124	437841.2	3724511	6.29E-04	1.31E-04	6.76E-04	7.97E-05
3125	437858.2	3724516	6.69E-04	1.40E-04	7.20E-04	8.47E-05
3126	437200.5	3724561	4.86E-04	9.96E-05	5.21E-04	5.88E-05
3127	437216.9	3724554	4.69E-04	9.60E-05	5.02E-04	5.66E-05
3128	437233.2	3724547	4.51E-04	9.25E-05	4.83E-04	5.45E-05
3129	437249.6	3724541	4.34E-04	8.88E-05	4.65E-04	5.24E-05
3130	437265.9	3724534	4.16E-04	8.52E-05	4.46E-04	5.02E-05
3131	437282.3	3724527	3.99E-04	8.17E-05	4.27E-04	4.81E-05
3132	437298.6	3724520	3.82E-04	7.82E-05	4.09E-04	4.61E-05
3133	437315	3724514	3.66E-04	7.49E-05	3.92E-04	4.42E-05
3134	437331.3	3724507	3.50E-04	7.17E-05	3.75E-04	4.23E-05
3135	437347.7	3724500	3.36E-04	6.88E-05	3.59E-04	4.06E-05
3136	437364	3724493	3.22E-04	6.60E-05	3.45E-04	3.90E-05
3137	437380.4	3724487	3.10E-04	6.35E-05	3.32E-04	3.76E-05
3138	437396.7	3724480	2.98E-04	6.12E-05	3.19E-04	3.63E-05
3139	437413.1	3724473	2.88E-04	5.92E-05	3.09E-04	3.51E-05
3140	437511.2	3724433	2.32E-04	4.80E-05	2.49E-04	2.87E-05
3141	437527.5	3724426	2.28E-04	4.71E-05	2.44E-04	2.82E-05
3142	437543.9	3724419	2.26E-04	4.68E-05	2.43E-04	2.81E-05
3143	437560.2	3724412	2.26E-04	4.68E-05	2.42E-04	2.82E-05
3144	437576.6	3724406	2.28E-04	4.72E-05	2.44E-04	2.85E-05
3145	437601.4	3724401	2.36E-04	4.91E-05	2.54E-04	2.97E-05
3146	437618.4	3724406	2.48E-04	5.16E-05	2.67E-04	3.12E-05
3147	437635.4	3724411	2.61E-04	5.43E-05	2.81E-04	3.29E-05
3148	437652.4	3724416	2.76E-04	5.75E-05	2.97E-04	3.49E-05
3149	437669.3	3724421	2.92E-04	6.10E-05	3.14E-04	3.70E-05
3150	437686.3	3724426	3.12E-04	6.51E-05	3.35E-04	3.95E-05
3151	437703.3	3724431	3.33E-04	6.95E-05	3.58E-04	4.22E-05
3152	437805.2	3724461	4.73E-04	9.87E-05	5.08E-04	6.00E-05
3153	437822.1	3724466	5.03E-04	1.05E-04	5.41E-04	6.38E-05
3154	437839.1	3724471	5.35E-04	1.12E-04	5.75E-04	6.77E-05
3155	437856.1	3724476	5.68E-04	1.18E-04	6.11E-04	7.19E-05
3156	437873.1	3724481	5.98E-04	1.25E-04	6.43E-04	7.56E-05
3157	437890	3724486	6.29E-04	1.31E-04	6.77E-04	7.95E-05
3158	438042.8	3724531	9.69E-04	2.01E-04	1.04E-03	1.21E-04
3159	438059.8	3724536	1.01E-03	2.09E-04	1.08E-03	1.25E-04
3160	437206.5	3724517	4.26E-04	8.72E-05	4.56E-04	5.14E-05
3161	437222.9	3724511	4.10E-04	8.39E-05	4.39E-04	4.95E-05
3162	437239.3	3724504	3.94E-04	8.06E-05	4.22E-04	4.75E-05
3163	437255.6	3724497	3.78E-04	7.74E-05	4.05E-04	4.56E-05
3164	437272	3724490	3.63E-04	7.42E-05	3.88E-04	4.37E-05
3165	437288.3	3724484	3.47E-04	7.11E-05	3.72E-04	4.19E-05
3166	437304.7	3724477	3.33E-04	6.81E-05	3.56E-04	4.02E-05
3167	437321	3724470	3.19E-04	6.53E-05	3.42E-04	3.85E-05

3168	437337.4	3724463	3.06E-04	6.27E-05	3.28E-04	3.70E-05
3169	437353.7	3724457	2.94E-04	6.03E-05	3.15E-04	3.56E-05
3170	437370.1	3724450	2.83E-04	5.80E-05	3.03E-04	3.43E-05
3171	437386.4	3724443	2.73E-04	5.60E-05	2.92E-04	3.32E-05
3172	437484.5	3724403	2.18E-04	4.49E-05	2.33E-04	2.68E-05
3173	437500.9	3724396	2.11E-04	4.35E-05	2.26E-04	2.60E-05
3174	437517.2	3724389	2.07E-04	4.28E-05	2.22E-04	2.57E-05
3175	437533.6	3724383	2.05E-04	4.24E-05	2.20E-04	2.54E-05
3176	437549.9	3724376	2.05E-04	4.24E-05	2.20E-04	2.55E-05
3177	437566.3	3724369	2.06E-04	4.28E-05	2.21E-04	2.57E-05
3178	437582.6	3724362	2.09E-04	4.33E-05	2.24E-04	2.61E-05
3179	437599.3	3724361	2.15E-04	4.46E-05	2.31E-04	2.69E-05
3180	437616.3	3724366	2.25E-04	4.68E-05	2.42E-04	2.82E-05
3181	437633.3	3724371	2.36E-04	4.90E-05	2.53E-04	2.96E-05
3182	437650.2	3724376	2.48E-04	5.16E-05	2.66E-04	3.13E-05
3183	437667.2	3724381	2.61E-04	5.43E-05	2.80E-04	3.29E-05
3184	437684.2	3724386	2.75E-04	5.73E-05	2.95E-04	3.48E-05
3185	437769.1	3724411	3.62E-04	7.56E-05	3.90E-04	4.60E-05
3186	437786	3724416	3.84E-04	8.01E-05	4.13E-04	4.87E-05
3187	437803	3724421	4.07E-04	8.50E-05	4.38E-04	5.16E-05
3188	437820	3724426	4.32E-04	9.02E-05	4.65E-04	5.48E-05
3189	437837	3724431	4.59E-04	9.57E-05	4.93E-04	5.81E-05
3190	437854	3724436	4.85E-04	1.01E-04	5.22E-04	6.14E-05
3191	437870.9	3724441	5.12E-04	1.07E-04	5.50E-04	6.47E-05
3192	437887.9	3724446	5.37E-04	1.12E-04	5.78E-04	6.79E-05
3193	437904.9	3724451	5.66E-04	1.18E-04	6.08E-04	7.14E-05
3194	437921.9	3724456	5.96E-04	1.24E-04	6.40E-04	7.50E-05
3195	437989.8	3724476	7.29E-04	1.51E-04	7.83E-04	9.12E-05
3196	438006.7	3724481	7.67E-04	1.59E-04	8.24E-04	9.59E-05
3197	438023.7	3724486	8.07E-04	1.67E-04	8.67E-04	1.01E-04
3198	438040.7	3724491	8.47E-04	1.75E-04	9.09E-04	1.05E-04
3199	438057.7	3724496	8.85E-04	1.83E-04	9.50E-04	1.10E-04
3200	438074.7	3724501	9.24E-04	1.91E-04	9.92E-04	1.15E-04
3201	438091.6	3724506	9.68E-04	2.00E-04	1.04E-03	1.20E-04
3202	437196.2	3724481	3.89E-04	7.96E-05	4.16E-04	4.69E-05
3203	437212.6	3724474	3.74E-04	7.66E-05	4.01E-04	4.51E-05
3204	437228.9	3724467	3.60E-04	7.37E-05	3.85E-04	4.34E-05
3205	437245.3	3724461	3.46E-04	7.07E-05	3.70E-04	4.17E-05
3206	437261.6	3724454	3.32E-04	6.79E-05	3.55E-04	4.00E-05
3207	437278	3724447	3.18E-04	6.51E-05	3.41E-04	3.84E-05
3208	437294.4	3724440	3.05E-04	6.25E-05	3.27E-04	3.68E-05
3209	437310.7	3724434	2.93E-04	5.99E-05	3.13E-04	3.54E-05
3210	437327.1	3724427	2.81E-04	5.76E-05	3.01E-04	3.40E-05
3211	437343.4	3724420	2.70E-04	5.54E-05	2.90E-04	3.27E-05
3212	437359.8	3724413	2.60E-04	5.34E-05	2.79E-04	3.15E-05
3213	437474.2	3724366	2.04E-04	4.20E-05	2.18E-04	2.50E-05
3214	437490.6	3724359	1.96E-04	4.03E-05	2.10E-04	2.41E-05
3215	437506.9	3724353	1.91E-04	3.94E-05	2.05E-04	2.36E-05
3216	437523.3	3724346	1.89E-04	3.90E-05	2.02E-04	2.34E-05
3217	437539.6	3724339	1.88E-04	3.89E-05	2.02E-04	2.34E-05
3218	437556	3724332	1.89E-04	3.92E-05	2.03E-04	2.36E-05
3219	437572.3	3724326	1.91E-04	3.95E-05	2.05E-04	2.38E-05

3220	437597.2	3724321	1.97E-04	4.09E-05	2.12E-04	2.47E-05
3221	437614.1	3724326	2.05E-04	4.26E-05	2.20E-04	2.57E-05
3222	437631.1	3724331	2.14E-04	4.46E-05	2.30E-04	2.69E-05
3223	437648.1	3724336	2.25E-04	4.68E-05	2.42E-04	2.83E-05
3224	437665.1	3724341	2.36E-04	4.90E-05	2.53E-04	2.97E-05
3225	437733	3724361	2.87E-04	5.99E-05	3.09E-04	3.64E-05
3226	437750	3724366	3.03E-04	6.32E-05	3.26E-04	3.84E-05
3227	437766.9	3724371	3.19E-04	6.65E-05	3.43E-04	4.04E-05
3228	437783.9	3724376	3.36E-04	7.01E-05	3.62E-04	4.26E-05
3229	437800.9	3724381	3.55E-04	7.40E-05	3.81E-04	4.49E-05
3230	437817.9	3724386	3.74E-04	7.79E-05	4.02E-04	4.73E-05
3231	437834.8	3724391	3.94E-04	8.22E-05	4.24E-04	4.99E-05
3232	437851.8	3724396	4.16E-04	8.67E-05	4.47E-04	5.26E-05
3233	437868.8	3724401	4.39E-04	9.15E-05	4.72E-04	5.55E-05
3234	437885.8	3724406	4.63E-04	9.64E-05	4.98E-04	5.85E-05
3235	437902.8	3724411	4.88E-04	1.02E-04	5.24E-04	6.15E-05
3236	437953.7	3724426	5.70E-04	1.18E-04	6.12E-04	7.16E-05
3237	437970.7	3724431	6.04E-04	1.25E-04	6.49E-04	7.57E-05
3238	437987.6	3724436	6.38E-04	1.32E-04	6.85E-04	7.99E-05
3239	438004.6	3724441	6.73E-04	1.40E-04	7.23E-04	8.42E-05
3240	438021.6	3724446	7.09E-04	1.47E-04	7.61E-04	8.85E-05
3241	438038.6	3724451	7.45E-04	1.54E-04	8.00E-04	9.28E-05
3242	438055.5	3724456	7.80E-04	1.62E-04	8.38E-04	9.71E-05
3243	438072.5	3724461	8.16E-04	1.69E-04	8.76E-04	1.01E-04
3244	438089.5	3724466	8.53E-04	1.77E-04	9.16E-04	1.06E-04
3245	438106.5	3724471	8.92E-04	1.84E-04	9.57E-04	1.11E-04
3246	437185.9	3724444	3.57E-04	7.30E-05	3.82E-04	4.30E-05
3247	437202.3	3724438	3.44E-04	7.03E-05	3.68E-04	4.14E-05
3248	437218.6	3724431	3.30E-04	6.76E-05	3.54E-04	3.98E-05
3249	437235	3724424	3.18E-04	6.50E-05	3.40E-04	3.83E-05
3250	437251.3	3724417	3.05E-04	6.24E-05	3.26E-04	3.68E-05
3251	437267.7	3724411	2.93E-04	5.99E-05	3.13E-04	3.53E-05
3252	437284	3724404	2.81E-04	5.75E-05	3.01E-04	3.39E-05
3253	437300.4	3724397	2.70E-04	5.53E-05	2.89E-04	3.26E-05
3254	437316.7	3724390	2.60E-04	5.32E-05	2.78E-04	3.14E-05
3255	437333.1	3724384	2.50E-04	5.12E-05	2.67E-04	3.02E-05
3256	437480.3	3724323	1.80E-04	3.72E-05	1.93E-04	2.22E-05
3257	437496.6	3724316	1.77E-04	3.65E-05	1.90E-04	2.18E-05
3258	437513	3724309	1.76E-04	3.63E-05	1.88E-04	2.17E-05
3259	437529.3	3724303	1.74E-04	3.60E-05	1.87E-04	2.16E-05
3260	437545.7	3724296	1.75E-04	3.62E-05	1.88E-04	2.17E-05
3261	437562	3724289	1.76E-04	3.64E-05	1.89E-04	2.19E-05
3262	437578.4	3724282	1.78E-04	3.68E-05	1.91E-04	2.22E-05
3263	437595	3724281	1.82E-04	3.77E-05	1.95E-04	2.27E-05
3264	437612	3724286	1.89E-04	3.93E-05	2.03E-04	2.37E-05
3265	437629	3724291	1.97E-04	4.09E-05	2.11E-04	2.47E-05
3266	437713.9	3724316	2.45E-04	5.11E-05	2.64E-04	3.10E-05
3267	437730.9	3724321	2.57E-04	5.35E-05	2.76E-04	3.25E-05
3268	437747.8	3724326	2.69E-04	5.61E-05	2.90E-04	3.41E-05
3269	437764.8	3724331	2.82E-04	5.89E-05	3.04E-04	3.57E-05
3270	437781.8	3724336	2.96E-04	6.17E-05	3.18E-04	3.75E-05
3271	437798.8	3724341	3.11E-04	6.49E-05	3.35E-04	3.94E-05

3272	437815.7	3724346	3.27E-04	6.81E-05	3.51E-04	4.14E-05
3273	437832.7	3724351	3.44E-04	7.17E-05	3.70E-04	4.35E-05
3274	437849.7	3724356	3.62E-04	7.54E-05	3.89E-04	4.58E-05
3275	437866.7	3724361	3.82E-04	7.96E-05	4.10E-04	4.82E-05
3276	437883.6	3724366	4.03E-04	8.39E-05	4.33E-04	5.08E-05
3277	437934.6	3724381	4.73E-04	9.85E-05	5.09E-04	5.96E-05
3278	437951.6	3724386	5.00E-04	1.04E-04	5.37E-04	6.28E-05
3279	437968.5	3724391	5.30E-04	1.10E-04	5.69E-04	6.65E-05
3280	437985.5	3724396	5.61E-04	1.17E-04	6.03E-04	7.03E-05
3281	438002.5	3724401	5.93E-04	1.23E-04	6.37E-04	7.42E-05
3282	438019.5	3724406	6.26E-04	1.30E-04	6.72E-04	7.82E-05
3283	438036.4	3724411	6.58E-04	1.37E-04	7.07E-04	8.22E-05
3284	438053.4	3724416	6.90E-04	1.43E-04	7.41E-04	8.60E-05
3285	438070.4	3724421	7.22E-04	1.50E-04	7.75E-04	8.99E-05
3286	438087.4	3724426	7.55E-04	1.56E-04	8.11E-04	9.39E-05
3287	438104.3	3724431	7.89E-04	1.63E-04	8.47E-04	9.80E-05
3288	438121.3	3724436	8.24E-04	1.70E-04	8.84E-04	1.02E-04
3289	437159.3	3724415	3.41E-04	6.98E-05	3.65E-04	4.12E-05
3290	437175.6	3724408	3.29E-04	6.73E-05	3.52E-04	3.97E-05
3291	437192	3724401	3.17E-04	6.48E-05	3.39E-04	3.82E-05
3292	437208.3	3724394	3.05E-04	6.23E-05	3.26E-04	3.67E-05
3293	437224.7	3724388	2.93E-04	6.00E-05	3.14E-04	3.53E-05
3294	437241	3724381	2.81E-04	5.76E-05	3.01E-04	3.40E-05
3295	437257.4	3724374	2.71E-04	5.54E-05	2.90E-04	3.27E-05
3296	437273.7	3724367	2.60E-04	5.33E-05	2.79E-04	3.14E-05
3297	437290.1	3724361	2.50E-04	5.13E-05	2.68E-04	3.02E-05
3298	437306.4	3724354	2.41E-04	4.94E-05	2.58E-04	2.91E-05
3299	437486.3	3724280	1.67E-04	3.44E-05	1.79E-04	2.06E-05
3300	437502.7	3724273	1.64E-04	3.39E-05	1.76E-04	2.02E-05
3301	437519	3724266	1.63E-04	3.37E-05	1.75E-04	2.02E-05
3302	437535.4	3724259	1.63E-04	3.37E-05	1.75E-04	2.02E-05
3303	437551.7	3724253	1.64E-04	3.39E-05	1.76E-04	2.03E-05
3304	437568.1	3724246	1.65E-04	3.42E-05	1.77E-04	2.05E-05
3305	437592.9	3724242	1.69E-04	3.50E-05	1.81E-04	2.11E-05
3306	437609.9	3724247	1.75E-04	3.63E-05	1.88E-04	2.19E-05
3307	437745.7	3724286	2.42E-04	5.04E-05	2.60E-04	3.06E-05
3308	437762.7	3724291	2.53E-04	5.27E-05	2.72E-04	3.20E-05
3309	437779.7	3724296	2.65E-04	5.51E-05	2.84E-04	3.34E-05
3310	437796.6	3724301	2.77E-04	5.76E-05	2.97E-04	3.50E-05
3311	437813.6	3724306	2.90E-04	6.03E-05	3.11E-04	3.66E-05
3312	437830.6	3724311	3.04E-04	6.33E-05	3.26E-04	3.84E-05
3313	437847.6	3724316	3.20E-04	6.67E-05	3.44E-04	4.04E-05
3314	437864.5	3724321	3.37E-04	7.02E-05	3.62E-04	4.26E-05
3315	437898.5	3724331	3.76E-04	7.82E-05	4.04E-04	4.74E-05
3316	437915.5	3724336	3.98E-04	8.28E-05	4.27E-04	5.01E-05
3317	437932.4	3724341	4.20E-04	8.75E-05	4.52E-04	5.29E-05
3318	437949.4	3724346	4.44E-04	9.23E-05	4.77E-04	5.58E-05
3319	437966.4	3724351	4.70E-04	9.77E-05	5.05E-04	5.90E-05
3320	437983.4	3724356	4.98E-04	1.03E-04	5.34E-04	6.24E-05
3321	438000.4	3724361	5.25E-04	1.09E-04	5.64E-04	6.57E-05
3322	438017.3	3724366	5.54E-04	1.15E-04	5.95E-04	6.93E-05
3323	438034.3	3724371	5.84E-04	1.21E-04	6.27E-04	7.29E-05

3324	438051.3	3724376	6.13E-04	1.27E-04	6.59E-04	7.65E-05
3325	438068.3	3724381	6.43E-04	1.33E-04	6.90E-04	8.01E-05
3326	438085.2	3724386	6.72E-04	1.39E-04	7.22E-04	8.37E-05
3327	438102.2	3724391	7.02E-04	1.45E-04	7.54E-04	8.72E-05
3328	438119.2	3724396	7.33E-04	1.52E-04	7.87E-04	9.10E-05
3329	438136.2	3724401	7.64E-04	1.58E-04	8.20E-04	9.47E-05
3330	438153.1	3724406	7.97E-04	1.65E-04	8.55E-04	9.86E-05
3331	437132.6	3724385	3.27E-04	6.69E-05	3.50E-04	3.94E-05
3332	437149	3724378	3.16E-04	6.46E-05	3.38E-04	3.81E-05
3333	437165.3	3724371	3.04E-04	6.23E-05	3.26E-04	3.67E-05
3334	437181.7	3724364	2.93E-04	6.00E-05	3.14E-04	3.54E-05
3335	437198	3724358	2.82E-04	5.78E-05	3.02E-04	3.40E-05
3336	437214.4	3724351	2.72E-04	5.56E-05	2.91E-04	3.28E-05
3337	437230.7	3724344	2.61E-04	5.35E-05	2.80E-04	3.15E-05
3338	437247.1	3724337	2.51E-04	5.15E-05	2.69E-04	3.03E-05
3339	437263.4	3724331	2.42E-04	4.96E-05	2.59E-04	2.92E-05
3340	437279.8	3724324	2.33E-04	4.77E-05	2.49E-04	2.82E-05
3341	437476	3724243	1.59E-04	3.27E-05	1.70E-04	1.95E-05
3342	437492.4	3724236	1.55E-04	3.20E-05	1.66E-04	1.91E-05
3343	437508.7	3724229	1.53E-04	3.16E-05	1.64E-04	1.89E-05
3344	437525.1	3724223	1.53E-04	3.15E-05	1.64E-04	1.89E-05
3345	437541.4	3724216	1.53E-04	3.16E-05	1.64E-04	1.89E-05
3346	437557.8	3724209	1.53E-04	3.17E-05	1.65E-04	1.90E-05
3347	437574.1	3724203	1.55E-04	3.20E-05	1.66E-04	1.92E-05
3348	437590.8	3724202	1.57E-04	3.26E-05	1.69E-04	1.96E-05
3349	437692.6	3724231	1.93E-04	4.02E-05	2.08E-04	2.43E-05
3350	437709.6	3724236	2.01E-04	4.19E-05	2.16E-04	2.53E-05
3351	437726.6	3724241	2.09E-04	4.36E-05	2.25E-04	2.64E-05
3352	437743.6	3724246	2.18E-04	4.54E-05	2.35E-04	2.75E-05
3353	437845.4	3724276	2.86E-04	5.96E-05	3.07E-04	3.61E-05
3354	437862.4	3724281	3.01E-04	6.27E-05	3.24E-04	3.80E-05
3355	437879.4	3724286	3.18E-04	6.62E-05	3.42E-04	4.01E-05
3356	437930.3	3724301	3.77E-04	7.84E-05	4.05E-04	4.74E-05
3357	437947.3	3724306	3.99E-04	8.30E-05	4.29E-04	5.02E-05
3358	437964.3	3724311	4.22E-04	8.77E-05	4.53E-04	5.30E-05
3359	437981.2	3724316	4.46E-04	9.27E-05	4.79E-04	5.59E-05
3360	437998.2	3724321	4.70E-04	9.76E-05	5.05E-04	5.89E-05
3361	438015.2	3724326	4.95E-04	1.03E-04	5.31E-04	6.19E-05
3362	438032.2	3724331	5.21E-04	1.08E-04	5.60E-04	6.51E-05
3363	438049.2	3724336	5.48E-04	1.14E-04	5.89E-04	6.84E-05
3364	438066.1	3724341	5.76E-04	1.19E-04	6.18E-04	7.18E-05
3365	438083.1	3724346	6.03E-04	1.25E-04	6.47E-04	7.50E-05
3366	438100.1	3724351	6.30E-04	1.30E-04	6.76E-04	7.83E-05
3367	438117.1	3724356	6.58E-04	1.36E-04	7.06E-04	8.17E-05
3368	438134	3724361	6.87E-04	1.42E-04	7.37E-04	8.52E-05
3369	438151	3724366	7.15E-04	1.48E-04	7.67E-04	8.86E-05
3370	438168	3724371	7.42E-04	1.53E-04	7.97E-04	9.19E-05
3371	437122.3	3724348	3.03E-04	6.20E-05	3.24E-04	3.66E-05
3372	437138.7	3724341	2.93E-04	5.99E-05	3.13E-04	3.53E-05
3373	437155	3724335	2.82E-04	5.78E-05	3.02E-04	3.41E-05
3374	437171.4	3724328	2.72E-04	5.57E-05	2.91E-04	3.28E-05
3375	437187.7	3724321	2.63E-04	5.37E-05	2.81E-04	3.17E-05

3376	437204.1	3724314	2.53E-04	5.17E-05	2.71E-04	3.05E-05
3377	437220.4	3724308	2.43E-04	4.98E-05	2.61E-04	2.94E-05
3378	437236.8	3724301	2.34E-04	4.80E-05	2.51E-04	2.83E-05
3379	437253.1	3724294	2.26E-04	4.63E-05	2.42E-04	2.73E-05
3380	437449.3	3724213	1.52E-04	3.14E-05	1.63E-04	1.87E-05
3381	437465.7	3724206	1.48E-04	3.05E-05	1.59E-04	1.82E-05
3382	437482	3724200	1.45E-04	3.00E-05	1.56E-04	1.79E-05
3383	437498.4	3724193	1.43E-04	2.96E-05	1.54E-04	1.77E-05
3384	437514.8	3724186	1.43E-04	2.95E-05	1.53E-04	1.77E-05
3385	437531.1	3724179	1.43E-04	2.95E-05	1.53E-04	1.77E-05
3386	437547.5	3724173	1.43E-04	2.97E-05	1.54E-04	1.78E-05
3387	437563.8	3724166	1.44E-04	2.99E-05	1.55E-04	1.79E-05
3388	437588.6	3724162	1.48E-04	3.06E-05	1.58E-04	1.84E-05
3389	437673.5	3724187	1.72E-04	3.56E-05	1.84E-04	2.15E-05
3390	437690.5	3724191	1.78E-04	3.69E-05	1.91E-04	2.23E-05
3391	437707.5	3724196	1.84E-04	3.83E-05	1.98E-04	2.31E-05
3392	437724.5	3724201	1.91E-04	3.97E-05	2.05E-04	2.40E-05
3393	437741.4	3724206	1.99E-04	4.14E-05	2.14E-04	2.50E-05
3394	437758.4	3724211	2.07E-04	4.31E-05	2.23E-04	2.61E-05
3395	437775.4	3724216	2.16E-04	4.49E-05	2.32E-04	2.72E-05
3396	437792.4	3724221	2.24E-04	4.67E-05	2.41E-04	2.83E-05
3397	437809.3	3724226	2.35E-04	4.88E-05	2.52E-04	2.96E-05
3398	437826.3	3724231	2.45E-04	5.10E-05	2.63E-04	3.09E-05
3399	437843.3	3724236	2.58E-04	5.37E-05	2.77E-04	3.26E-05
3400	437860.3	3724241	2.72E-04	5.66E-05	2.92E-04	3.43E-05
3401	437877.3	3724246	2.87E-04	5.98E-05	3.09E-04	3.62E-05
3402	437894.2	3724251	3.04E-04	6.32E-05	3.27E-04	3.83E-05
3403	437911.2	3724256	3.22E-04	6.69E-05	3.46E-04	4.05E-05
3404	437928.2	3724261	3.40E-04	7.08E-05	3.66E-04	4.28E-05
3405	437962.1	3724271	3.81E-04	7.91E-05	4.09E-04	4.78E-05
3406	437979.1	3724276	4.02E-04	8.36E-05	4.32E-04	5.05E-05
3407	437996.1	3724281	4.24E-04	8.80E-05	4.55E-04	5.31E-05
3408	438013.1	3724286	4.46E-04	9.26E-05	4.79E-04	5.58E-05
3409	438030	3724291	4.69E-04	9.73E-05	5.04E-04	5.86E-05
3410	438047	3724296	4.93E-04	1.02E-04	5.30E-04	6.16E-05
3411	438064	3724301	5.19E-04	1.08E-04	5.57E-04	6.47E-05
3412	438081	3724306	5.45E-04	1.13E-04	5.85E-04	6.79E-05
3413	438098	3724311	5.71E-04	1.18E-04	6.13E-04	7.11E-05
3414	438114.9	3724316	5.95E-04	1.23E-04	6.39E-04	7.40E-05
3415	438199.8	3724341	7.03E-04	1.45E-04	7.54E-04	8.69E-05
3416	436933.7	3724550	5.07E-04	1.04E-04	5.44E-04	6.21E-05
3417	436926.3	3724556	5.12E-04	1.05E-04	5.49E-04	6.27E-05
3418	436919	3724563	5.16E-04	1.06E-04	5.54E-04	6.33E-05
3419	436921.6	3724507	4.70E-04	9.68E-05	5.04E-04	5.75E-05
3420	436914.2	3724513	4.75E-04	9.77E-05	5.09E-04	5.81E-05
3421	436906.9	3724520	4.79E-04	9.86E-05	5.14E-04	5.86E-05
3422	436899.5	3724527	4.84E-04	9.95E-05	5.18E-04	5.92E-05
3423	436892.2	3724533	4.87E-04	1.00E-04	5.22E-04	5.96E-05
3424	436894.8	3724477	4.45E-04	9.16E-05	4.77E-04	5.44E-05
3425	436887.4	3724484	4.50E-04	9.25E-05	4.82E-04	5.50E-05
3426	436880.1	3724490	4.54E-04	9.34E-05	4.86E-04	5.55E-05
3427	436872.7	3724497	4.58E-04	9.42E-05	4.91E-04	5.60E-05

3428	436865.4	3724503	4.61E-04	9.48E-05	4.94E-04	5.64E-05

			T2			T2L3			T3			T4		
			1023	437662.98										
					7.81E-07			1.56E-07			8.29E-07			8.86E-08
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	437487.55	3725277.38	1.14E-07	1.87E-09	1.16E-07	2.46E-08	4.18E-10	2.50E-08	1.24E-07	1.98E-09	1.26E-07	1.56E-08	2.11E-10	1.58E-08
2	437484.49	3725268.74	1.16E-07	1.66E-09	1.18E-07	2.51E-08	3.66E-10	2.55E-08	1.26E-07	1.73E-09	1.28E-07	1.60E-08	1.83E-10	1.62E-08
3	437503.24	3725300.11	1.27E-07	2.80E-09	1.30E-07	2.70E-08	6.41E-10	2.76E-08	1.38E-07	3.03E-09	1.41E-07	1.68E-08	3.27E-10	1.71E-08
4	437480.19	3725284.3	9.92E-08	1.87E-09	1.01E-07	2.13E-08	4.29E-10	2.17E-08	1.08E-07	2.03E-09	1.10E-07	1.34E-08	2.19E-10	1.36E-08
5	437474.25	3725267.49	1.00E-07	1.48E-09	1.02E-07	2.17E-08	3.30E-10	2.20E-08	1.09E-07	1.56E-09	1.11E-07	1.39E-08	1.66E-10	1.40E-08
6	437483.16	3725292.71	9.96E-08	2.11E-09	1.02E-07	2.13E-08	4.94E-10	2.18E-08	1.08E-07	2.33E-09	1.10E-07	1.34E-08	2.54E-10	1.36E-08
7	437495.8	3725306.79	1.13E-07	2.81E-09	1.15E-07	2.39E-08	6.67E-10	2.46E-08	1.22E-07	3.16E-09	1.25E-07	1.49E-08	3.45E-10	1.52E-08
8	437472.81	3725291.16	8.71E-08	1.88E-09	8.90E-08	1.87E-08	4.43E-10	1.91E-08	9.44E-08	2.10E-09	9.65E-08	1.17E-08	2.29E-10	1.20E-08
9	437466.99	3725274.69	8.64E-08	1.48E-09	8.78E-08	1.86E-08	3.39E-10	1.89E-08	9.38E-08	1.60E-09	9.54E-08	1.18E-08	1.73E-10	1.20E-08
10	437465.41	3725297.97	7.77E-08	1.91E-09	7.96E-08	1.66E-08	4.63E-10	1.71E-08	8.41E-08	2.19E-09	8.63E-08	1.04E-08	2.41E-10	1.07E-08
11	437459.69	3725281.75	7.55E-08	1.50E-09	7.70E-08	1.62E-08	3.51E-10	1.66E-08	8.19E-08	1.66E-09	8.36E-08	1.03E-08	1.81E-10	1.04E-08
12	437453.96	3725265.54	7.47E-08	1.20E-09	7.59E-08	1.61E-08	2.73E-10	1.64E-08	8.12E-08	1.29E-09	8.25E-08	1.03E-08	1.38E-10	1.04E-08
13	437474.6	3725313.11	8.53E-08	2.55E-09	8.79E-08	1.82E-08	6.34E-10	1.88E-08	9.23E-08	3.00E-09	9.53E-08	1.14E-08	3.34E-10	1.17E-08
14	437458.01	3725304.75	6.94E-08	1.97E-09	7.14E-08	1.48E-08	4.88E-10	1.53E-08	7.51E-08	2.31E-09	7.74E-08	9.31E-09	2.56E-10	9.57E-09
15	437452.35	3725288.73	6.58E-08	1.52E-09	6.74E-08	1.41E-08	3.64E-10	1.45E-08	7.13E-08	1.72E-09	7.31E-08	8.87E-09	1.89E-10	9.06E-09
16	437446.7	3725272.72	6.44E-08	1.21E-09	6.56E-08	1.38E-08	2.81E-10	1.41E-08	6.99E-08	1.33E-09	7.12E-08	8.77E-09	1.44E-10	8.91E-09
17	437441.04	3725256.7	6.38E-08	9.85E-10	6.48E-08	1.38E-08	2.22E-10	1.40E-08	6.94E-08	1.05E-09	7.04E-08	8.79E-09	1.12E-10	8.90E-09
18	437467.16	3725319.79	7.82E-08	2.67E-09	8.08E-08	1.67E-08	6.78E-10	1.73E-08	8.45E-08	3.21E-09	8.77E-08	1.05E-08	3.60E-10	1.08E-08
19	437473.48	3725326.83	8.48E-08	3.14E-09	8.79E-08	1.81E-08	8.08E-10	1.89E-08	9.16E-08	3.83E-09	9.55E-08	1.14E-08	4.30E-10	1.18E-08
20	437442.9	3725317.47	5.70E-08	2.07E-09	5.91E-08	1.22E-08	5.32E-10	1.27E-08	6.16E-08	2.52E-09	6.41E-08	7.64E-09	2.83E-10	7.92E-09
21	437439.85	3725308.82	5.39E-08	1.74E-09	5.56E-08	1.15E-08	4.39E-10	1.19E-08	5.83E-08	2.08E-09	6.03E-08	7.20E-09	2.32E-10	7.43E-09
22	437436.79	3725300.17	5.14E-08	1.49E-09	5.29E-08	1.10E-08	3.69E-10	1.13E-08	5.56E-08	1.75E-09	5.73E-08	6.86E-09	1.93E-10	7.06E-09
23	437433.74	3725291.52	4.99E-08	1.32E-09	5.13E-08	1.07E-08	3.22E-10	1.10E-08	5.40E-08	1.52E-09	5.56E-08	6.68E-09	1.68E-10	6.85E-09
24	437430.68	3725282.88	4.87E-08	1.16E-09	4.99E-08	1.04E-08	2.79E-10	1.07E-08	5.28E-08	1.32E-09	5.41E-08	6.54E-09	1.45E-10	6.68E-09
25	437427.63	3725274.23	4.77E-08	1.04E-09	4.87E-08	1.02E-08	2.45E-10	1.04E-08	5.17E-08	1.16E-09	5.28E-08	6.42E-09	1.26E-10	6.55E-09
26	437424.58	3725265.58	4.67E-08	9.30E-10	4.77E-08	1.00E-08	2.16E-10	1.02E-08	5.07E-08	1.02E-09	5.17E-08	6.31E-09	1.11E-10	6.42E-09
27	437445.95	3725326.11	6.07E-08	2.48E-09	6.32E-08	1.30E-08	6.46E-10	1.36E-08	6.56E-08	3.06E-09	6.86E-08	8.17E-09	3.46E-10	8.51E-09
28	437452.27	3725333.15	6.73E-08	3.00E-09	7.03E-08	1.44E-08	7.91E-10	1.52E-08	7.27E-08	3.75E-09	7.65E-08	9.10E-09	4.25E-10	9.52E-09
29	437458.59	3725340.19	7.49E-08	3.63E-09	7.85E-08	1.60E-08	9.69E-10	1.70E-08	8.09E-08	4.60E-09	8.55E-08	1.02E-08	5.22E-10	1.07E-08
30	437428.1	3725331.07	4.90E-08	2.15E-09	5.11E-08	1.05E-08	5.66E-10	1.10E-08	5.29E-08	2.68E-09	5.56E-08	6.61E-09	3.04E-10	6.91E-09
31	437422.16	3725314.25	4.33E-08	1.53E-09	4.48E-08	9.22E-09	3.90E-10	9.61E-09	4.68E-08	1.85E-09	4.86E-08	5.78E-09	2.07E-10	5.99E-09
32	437419.2	3725305.85	4.13E-08	1.32E-09	4.26E-08	8.78E-09	3.32E-10	9.11E-09	4.46E-08	1.57E-09	4.62E-08	5.50E-09	1.75E-10	5.67E-09
33	437431.07	3725339.47	5.32E-08	2.63E-09	5.59E-08	1.14E-08	7.03E-10	1.21E-08	5.75E-08	3.33E-09	6.09E-08	7.24E-09	3.79E-10	7.62E-09
34	437437.39	3725346.51	6.13E-08	3.37E-09	6.47E-08	1.32E-08	9.14E-10	1.41E-08	6.63E-08	4.34E-09	7.06E-08	8.42E-09	4.95E-10	8.91E-09
35	437443.71	3725353.55	7.16E-08	4.38E-09	7.59E-08	1.54E-08	1.20E-09	1.66E-08	7.74E-08	5.70E-09	8.31E-08	9.93E-09	6.54E-10	1.06E-08
36	437413.06	3725343.97	4.28E-08	2.18E-09	4.50E-08	9.18E-09	5.85E-10	9.77E-09	4.63E-08	2.77E-09	4.91E-08	5.83E-09	3.16E-10	6.15E-09
37	437409.92	3725335.1	3.94E-08	1.79E-09	4.12E-08	8.43E-09	4.73E-10	8.90E-09	4.26E-08	2.24E-09	4.48E-08	5.32E-09	2.54E-10	5.57E-09
38	437406.79	3725326.23	3.69E-08	1.51E-09	3.84E-08	7.87E-09	3.93E-10	8.26E-09	3.99E-08	1.86E-09	4.17E-08	4.95E-09	2.10E-10	5.16E-09
39	437416.19	3725352.83	4.77E-08	2.75E-09	5.05E-08	1.03E-08	7.48E-10	1.10E-08	5.16E-08	3.55E-09	5.51E-08	6.57E-09	4.06E-10	6.98E-09
40	437422.51	3725359.87	5.68E-08	3.67E-09	6.04E-08	1.23E-08	1.01E-09	1.33E-08	6.14E-08	4.81E-09	6.62E-08	7.92E-09	5.52E-10	8.47E-09
41	437359.44	3725228.2	2.08E-08	4.72E-10	2.13E-08	4.42E-09	1.09E-10	4.53E-09	2.25E-08	5.16E-10	2.30E-08	2.74E-09	5.57E-11	2.80E-09
42	437363.39	3725219.93	2.15E-08	4.55E-10	2.19E-08	4.55E-09	1.03E-10	4.66E-09	2.32E-08	4.89E-10	2.37E-08	2.83E-09	5.26E-11	2.88E-09
43	437410.73	3725120.58	2.98E-08	3.15E-10	3.01E-08	6.45E-09	6.19E-11	6.51E-09	3.25E-08	2.92E-10	3.27E-08	4.11E-09	2.94E-11	4.14E-09
44	437339.39	3725227.32	1.70E-08	4.27E-10	1.74E-08	3.59E-09	1.00E-10	3.69E-09	1.83E-08	4.74E-10	1.88E-08	2.22E-09	5.15E-11	2.27E-09
45	437347.13	3725211.08	1.77E-08	3.97E-10	1.81E-08	3.75E-09	9.06E-11	3.84E-09	1.92E-08	4.28E-10	1.96E-08	2.32E-09	4.61E-11	2.37E-09
46	437354.87	3725194.85	1.84E-08	3.68E-10	1.88E-08	3.90E-09	8.17E-11	3.98E-09	1.99E-08	3.86E-10	2.03E-08	2.42E-09	4.11E-11	2.46E-09
47	437397.41	3725105.57	2.23E-08	2.74E-10	2.26E-08	4.79E-09	5.39E-11	4.84E-09	2.42E-08	2.54E-10	2.45E-08	3.02E-09	2.56E-11	3.04E-09
48	437340.44	3725304.84	1.85E-08	7.26E-10	1.93E-08	3.93E-09	1.87E-10	4.12E-09	2.00E-08	8.84E-10	2.09E-08	2.46E-09	9.92E-11	2.56E-09
49	437337.33	3725296.03	1.79E-08	6.70E-10	1.86E-08	3.80E-09	1.71E-10	3.97E-09	1.94E-08	8.10E-10	2.02E-08	2.37E-09	9.06E-11	2.46E-09
50	437334.22	3725287.23	1.73E-08	6.19E-10	1.79E-08	3.67E-09	1.56E-10	3.82E-09	1.87E-08	7.41E-10	1.94E-08	2.28E-09	8.28E-11	2.36E-09
51	437331.11	3725278.42	1.67E-08	5.74E-10	1.73E-08	3.54E-09	1.44E-10	3.68E-09	1.80E-08	6.82E-10	1.87E-08	2.20E-09	7.59E-11	2.28E-09
52	437319.57	3725225.95	1.42E-08	3.92E-10	1.46E-08	2.99E-09	9.34E-11	3.09E-09	1.53E-08	4.42E-10	1.57E-08	1.85E-09	4.83E-11	1.90E-09
53	437323.59	3725217.52	1.44E-08	3.76E-10	1.48E-08	3.04E-09	8.86E-11	3.13E-09	1.56E-08	4.19E-10	1.60E-08	1.88E-09	4.56E-11	1.92E-09
54	437327.61	3725209.08	1.47E-08	3.62E-10	1.50E-08	3.09E-09	8.41E-11	3.18E-09	1.58E-08	3.98E-10	1.62E-08	1.91E-09	4.31E-11	1.95E-09
55	437331.63	3725200.65	1.49E-08	3.48E-10	1.52E-08	3.14E-09	7.97E-11	3.22E-09	1.61E-08	3.77E-10	1.64E-08	1.94E-09	4.06E-11	1.98E-09
56	437335.65	3725192.22	1.51E-08	3.34E-10	1.54E-08	3.18E-09	7.55E-11	3.26E-09	1.63E-08	3.57E-10	1.66E-08	1.96E-09	3.83E-11	2.00E-09
57	437339.66	3725183.79	1.53E-08	3.21E-10	1.56E-08	3.23E-09	7.15E-11	3.30E-09	1.65E-08	3.38E-10	1.68E-08	1.99E-09	3.60E-11	2.03E-09
58	437338.34	3725354.39	2.05E-08	1.12E-09	2.16E-08	4.38E-09	3.02E-10	4.69E-09	2.21E-08	1.43E-09	2.35E-08	2.78E-09	1.63E-10	2.95E-09
59	437335.28	3725345.74	1.94E-08	1.01E-09	2.04E-08	4.15E-09	2.70E-10	4.42E-09	2.10E-08	1.28E-09	2.22E-08	2.63E-09	1.45E-10	2.77E-09
60	437332.23	3725337.1	1.85E-08	9.10E-10	1.94E-08	3.94E-09	2.42E-10	4.18E-09	1.99E-08	1.15E-09	2.11E-08	2.49E-09	1.30E-10	2.62E-09
61	437329.17	3725328.45	1.76E-08	8.26E-10	1.84E-08	3.75E-09	2.18E-10	3.97E-09	1.90E-08	1.03E-09	2.00E-08	2.36E-09	1.17E-10	2.48E-09
62	437326.12	3725319.8	1.69E-08	7.58E-10	1.77E-08	3.60E-09	1.99E-10	3.80E-09	1.83E-08	9.42E-10	1.92E-08	2.26E-09	1.06E-10	2.37E-09
63	437323.07	3725311.16	1.64E-08	7.00E-10	1.71E-08	3.48E-09	1.82E-10	3.66E-09	1.77E-08	8.64E-10	1.85E-08	2.18E-09	9.74E-11	2.27E-09
64	437320.01	3725302.51	1.58E-08	6.50E-10	1.65E-08	3.36E-09	1.68E-10	3.53E-09	1.71E-08	7.96E-10	1.79E-08	2.10E-09	8.95E-11	2.19E-09
65	437316.96	3725293.86	1.53E-08	6.04E-10	1.59E-08	3.25E-09	1.55E-10	3.41E-09	1.65E-08	7.35E-10	1.73E-08	2.03E-09	8.24E-11	2.11E-09
66	437313.9	3725285.21	1.48E-08	5.62E-10	1.54E-08	3.14E-09	1.43E-10	3.28E-09	1.60E-08	6.79E-10	1.67E-08	1.96E-09	7.60E-11	2.03E-09
67	437310.85	3725276.57	1.44E-08	5.25E-10	1.49E-08	3.04E-09	1.33E-10	3.17E-09	1.55E-08	6.30E-10	1.61E-08	1.89E-09	7.03E-11	1.96E-09
68	437299.53	3725225.05	1.22E-08	3.66E-10	1.26E-08	2.57E-09	8.87E-11	2.66E-09	1.32E-08	4.20E-10	1.36E-08	1.59E-09	4.62E-11	1.63E-09
69	437303.47	3725216.77	1.24E-08	3.53E-10	1.27E-08	2.60E-09	8.44E-11	2.69E-09	1.33E-08	3.99E-10	1.37E-08	1.60E-09	4.38E-11	1.65E-09
70	437307.42	3725208.49	1.25E-08	3.39E-10	1.28E-08	2.63E-09	8.03E-11	2.71E-09	1.35E-08	3.80E-10	1.39E-08	1.62E-09	4.14E-11	1.66E-09
71	437311.36	3725200.21	1.26E-08	3.26E-10	1.29E-08	2.65E-09	7.61E-11	2.73E-09	1.36E-08	3.60E-10	1.40E-08	1.63E-09	3.91E-11	1.67E-09
72	437315.31	3725191.93	1.27E-08	3.13E-10	1.30E-08	2.68E-09	7.22E-11	2.75E-09	1.37E-08	3.41E-10	1.40E-08	1.65E-09	3.69E-11	1.68E-09
73	437319.25	3725183.65	1.28E-08	3.01E-10	1.31E-08	2.70E-09	6.85E-11	2.77E-09	1.38E-08	3.24E-10	1.42E-08	1.66E-09	3.48E-11	1.69E-09
74	437346.87	3725125.7	1.46E-08	2.56E-10	1.49E-08	3.09E-09	5.35E-11	3.14E-09	1.58E-08	2.53E-10	1.61E-08	1.91E-09	2.63E-11	1.93E-09

75	437350.81	3725117.42	1.48E-08	2.48E-10	1.51E-08	3.13E-09	5.15E-11	3.18E-09	1.60E-08	2.43E-10	1.63E-08	1.94E-09	2.51E-11	1.96E-09
76	437354.76	3725109.15	1.50E-08	2.42E-10	1.52E-08	3.17E-09	4.95E-11	3.22E-09	1.62E-08	2.34E-10	1.64E-08	1.96E-09	2.40E-11	1.99E-09
77	437358.71	3725100.87	1.51E-08	2.35E-10	1.53E-08	3.19E-09	4.77E-11	3.24E-09	1.63E-08	2.25E-10	1.65E-08	1.98E-09	2.30E-11	2.00E-09
78	437320.72	3725360.02	1.83E-08	1.04E-09	1.94E-08	3.93E-09	2.81E-10	4.21E-09	1.98E-08	1.33E-09	2.11E-08	2.50E-09	1.52E-10	2.65E-09
79	437317.71	3725351.51	1.74E-08	9.38E-10	1.83E-08	3.71E-09	2.52E-10	3.96E-09	1.87E-08	1.20E-09	1.99E-08	2.35E-09	1.36E-10	2.49E-09
80	437314.71	3725342.99	1.66E-08	8.59E-10	1.75E-08	3.54E-09	2.30E-10	3.77E-09	1.79E-08	1.09E-09	1.90E-08	2.24E-09	1.24E-10	2.36E-09
81	437311.7	3725334.47	1.59E-08	7.87E-10	1.66E-08	3.38E-09	2.09E-10	3.59E-09	1.71E-08	9.92E-10	1.81E-08	2.13E-09	1.13E-10	2.24E-09
82	437308.69	3725325.96	1.51E-08	7.21E-10	1.59E-08	3.22E-09	1.90E-10	3.41E-09	1.63E-08	9.03E-10	1.72E-08	2.03E-09	1.02E-10	2.13E-09
83	437305.68	3725317.44	1.46E-08	6.70E-10	1.53E-08	3.11E-09	1.76E-10	3.29E-09	1.58E-08	8.34E-10	1.66E-08	1.95E-09	9.43E-11	2.04E-09
84	437302.68	3725308.92	1.41E-08	6.23E-10	1.48E-08	3.00E-09	1.63E-10	3.16E-09	1.52E-08	7.71E-10	1.60E-08	1.88E-09	8.70E-11	1.97E-09
85	437299.67	3725300.41	1.37E-08	5.81E-10	1.42E-08	2.90E-09	1.51E-10	3.05E-09	1.47E-08	7.14E-10	1.54E-08	1.81E-09	8.04E-11	1.89E-09
86	437296.66	3725291.89	1.32E-08	5.43E-10	1.38E-08	2.80E-09	1.40E-10	2.94E-09	1.43E-08	6.63E-10	1.49E-08	1.75E-09	7.46E-11	1.82E-09
87	437293.65	3725283.37	1.28E-08	5.10E-10	1.34E-08	2.72E-09	1.31E-10	2.85E-09	1.38E-08	6.19E-10	1.45E-08	1.69E-09	6.95E-11	1.76E-09
88	437290.65	3725274.86	1.25E-08	4.81E-10	1.30E-08	2.64E-09	1.22E-10	2.77E-09	1.35E-08	5.80E-10	1.41E-08	1.64E-09	6.49E-11	1.71E-09
89	437279.5	3725224.12	1.07E-08	3.44E-10	1.10E-08	2.25E-09	8.44E-11	2.34E-09	1.15E-08	4.00E-10	1.19E-08	1.39E-09	4.42E-11	1.43E-09
90	437287.27	3725207.82	1.09E-08	3.21E-10	1.12E-08	2.29E-09	7.71E-11	2.37E-09	1.17E-08	3.65E-10	1.21E-08	1.41E-09	4.00E-11	1.45E-09
91	437295.04	3725191.51	1.10E-08	2.96E-10	1.13E-08	2.31E-09	6.97E-11	2.38E-09	1.18E-08	3.30E-10	1.22E-08	1.42E-09	3.59E-11	1.45E-09
92	437298.92	3725183.36	1.10E-08	2.85E-10	1.13E-08	2.32E-09	6.62E-11	2.39E-09	1.19E-08	3.13E-10	1.22E-08	1.42E-09	3.39E-11	1.46E-09
93	437326.12	3725126.28	1.21E-08	2.36E-10	1.24E-08	2.55E-09	5.04E-11	2.61E-09	1.31E-08	2.38E-10	1.33E-08	1.57E-09	2.49E-11	1.59E-09
94	437333.89	3725109.97	1.26E-08	2.29E-10	1.28E-08	2.64E-09	4.80E-11	2.69E-09	1.36E-08	2.27E-10	1.38E-08	1.62E-09	2.36E-11	1.65E-09
95	437337.78	3725101.82	1.26E-08	2.23E-10	1.29E-08	2.67E-09	4.62E-11	2.71E-09	1.37E-08	2.18E-10	1.39E-08	1.64E-09	2.26E-11	1.66E-09
96	437345.55	3725085.51	1.27E-08	2.10E-10	1.29E-08	2.68E-09	4.29E-11	2.73E-09	1.37E-08	2.02E-10	1.39E-08	1.65E-09	2.07E-11	1.67E-09
97	437349.43	3725077.36	1.26E-08	2.04E-10	1.28E-08	2.66E-09	4.13E-11	2.70E-09	1.36E-08	1.95E-10	1.38E-08	1.64E-09	1.99E-11	1.66E-09
98	437299.01	3725354.04	1.58E-08	8.64E-10	1.66E-08	3.37E-09	2.32E-10	3.61E-09	1.70E-08	1.10E-09	1.81E-08	2.14E-09	1.26E-10	2.26E-09
99	437295.91	3725345.27	1.50E-08	7.88E-10	1.58E-08	3.20E-09	2.11E-10	3.41E-09	1.62E-08	1.00E-09	1.72E-08	2.02E-09	1.14E-10	2.13E-09
100	437292.81	3725336.5	1.42E-08	7.19E-10	1.49E-08	3.03E-09	1.91E-10	3.22E-09	1.53E-08	9.08E-10	1.62E-08	1.91E-09	1.03E-10	2.01E-09
101	437289.72	3725327.72	1.34E-08	6.56E-10	1.41E-08	2.86E-09	1.74E-10	3.04E-09	1.45E-08	8.24E-10	1.53E-08	1.80E-09	9.34E-11	1.89E-09
102	437286.62	3725318.95	1.30E-08	6.12E-10	1.36E-08	2.76E-09	1.61E-10	2.92E-09	1.40E-08	7.65E-10	1.48E-08	1.73E-09	8.65E-11	1.82E-09
103	437283.52	3725310.18	1.26E-08	5.73E-10	1.32E-08	2.67E-09	1.50E-10	2.82E-09	1.36E-08	7.12E-10	1.43E-08	1.67E-09	8.04E-11	1.75E-09
104	437280.42	3725301.41	1.22E-08	5.37E-10	1.27E-08	2.58E-09	1.40E-10	2.72E-09	1.31E-08	6.63E-10	1.38E-08	1.61E-09	7.48E-11	1.69E-09
105	437277.32	3725292.63	1.18E-08	5.04E-10	1.23E-08	2.50E-09	1.31E-10	2.63E-09	1.27E-08	6.19E-10	1.33E-08	1.56E-09	6.97E-11	1.63E-09
106	437274.23	3725283.86	1.15E-08	4.74E-10	1.19E-08	2.43E-09	1.22E-10	2.55E-09	1.24E-08	5.79E-10	1.29E-08	1.51E-09	6.51E-11	1.57E-09
107	437271.13	3725275.09	1.11E-08	4.46E-10	1.15E-08	2.35E-09	1.14E-10	2.46E-09	1.20E-08	5.42E-10	1.25E-08	1.46E-09	6.07E-11	1.52E-09
108	437259.64	3725222.83	9.49E-09	3.23E-10	9.82E-09	2.00E-09	8.00E-11	2.08E-09	1.02E-08	3.79E-10	1.06E-08	1.23E-09	4.20E-11	1.27E-09
109	437263.64	3725214.43	9.58E-09	3.14E-10	9.90E-09	2.02E-09	7.69E-11	2.09E-09	1.03E-08	3.64E-10	1.07E-08	1.24E-09	4.02E-11	1.28E-09
110	437267.64	3725206.03	9.67E-09	3.04E-10	9.97E-09	2.03E-09	7.38E-11	2.11E-09	1.04E-08	3.49E-10	1.08E-08	1.25E-09	3.85E-11	1.29E-09
111	437271.65	3725197.63	9.65E-09	2.91E-10	9.94E-09	2.03E-09	7.00E-11	2.10E-09	1.04E-08	3.32E-10	1.07E-08	1.25E-09	3.64E-11	1.28E-09
112	437275.65	3725189.23	9.65E-09	2.79E-10	9.93E-09	2.03E-09	6.65E-11	2.09E-09	1.04E-08	3.15E-10	1.07E-08	1.24E-09	3.44E-11	1.28E-09
113	437279.65	3725180.83	9.66E-09	2.68E-10	9.93E-09	2.03E-09	6.32E-11	2.09E-09	1.04E-08	2.99E-10	1.07E-08	1.24E-09	3.26E-11	1.28E-09
114	437307.67	3725122.04	1.04E-08	2.19E-10	1.07E-08	2.19E-09	4.76E-11	2.24E-09	1.13E-08	2.25E-10	1.15E-08	1.34E-09	2.37E-11	1.36E-09
115	437311.67	3725113.64	1.06E-08	2.15E-10	1.08E-08	2.22E-09	4.61E-11	2.27E-09	1.14E-08	2.18E-10	1.16E-08	1.36E-09	2.29E-11	1.38E-09
116	437315.67	3725105.24	1.07E-08	2.10E-10	1.09E-08	2.25E-09	4.47E-11	2.29E-09	1.15E-08	2.11E-10	1.18E-08	1.37E-09	2.21E-11	1.40E-09
117	437319.68	3725096.84	1.08E-08	2.06E-10	1.10E-08	2.27E-09	4.34E-11	2.31E-09	1.17E-08	2.05E-10	1.19E-08	1.39E-09	2.13E-11	1.41E-09
118	437323.68	3725088.44	1.09E-08	2.02E-10	1.11E-08	2.29E-09	4.22E-11	2.33E-09	1.17E-08	1.99E-10	1.19E-08	1.40E-09	2.07E-11	1.42E-09
119	437327.68	3725080.05	1.09E-08	1.96E-10	1.11E-08	2.29E-09	4.06E-11	2.33E-09	1.18E-08	1.92E-10	1.20E-08	1.40E-09	1.98E-11	1.42E-09
120	437331.68	3725071.65	1.09E-08	1.91E-10	1.11E-08	2.29E-09	3.91E-11	2.33E-09	1.18E-08	1.84E-10	1.20E-08	1.41E-09	1.90E-11	1.43E-09
121	437335.68	3725063.25	1.08E-08	1.85E-10	1.10E-08	2.27E-09	3.76E-11	2.31E-09	1.17E-08	1.77E-10	1.18E-08	1.39E-09	1.82E-11	1.41E-09
122	437339.69	3725054.85	1.06E-08	1.79E-10	1.08E-08	2.24E-09	3.62E-11	2.27E-09	1.15E-08	1.71E-10	1.16E-08	1.37E-09	1.74E-11	1.39E-09
123	437343.69	3725046.45	1.04E-08	1.74E-10	1.06E-08	2.19E-09	3.48E-11	2.22E-09	1.12E-08	1.64E-10	1.14E-08	1.34E-09	1.67E-11	1.36E-09
124	437308.96	3725437.71	2.37E-08	1.78E-09	2.54E-08	5.14E-09	4.97E-10	5.63E-09	2.56E-08	2.36E-09	2.79E-08	3.34E-09	2.71E-10	3.61E-09
125	437305.9	3725429.06	2.22E-08	1.62E-09	2.38E-08	4.81E-09	4.50E-10	5.26E-09	2.40E-08	2.14E-09	2.61E-08	3.12E-09	2.46E-10	3.36E-09
126	437302.85	3725420.42	2.09E-08	1.47E-09	2.24E-08	4.52E-09	4.08E-10	4.93E-09	2.26E-08	1.94E-09	2.45E-08	2.92E-09	2.23E-10	3.14E-09
127	437299.79	3725411.77	1.97E-08	1.34E-09	2.10E-08	4.25E-09	3.70E-10	4.62E-09	2.13E-08	1.76E-09	2.30E-08	2.74E-09	2.02E-10	2.94E-09
128	437296.74	3725403.12	1.86E-08	1.22E-09	1.98E-08	4.00E-09	3.36E-10	4.34E-09	2.01E-08	1.59E-09	2.17E-08	2.57E-09	1.83E-10	2.75E-09
129	437278.42	3725351.24	1.39E-08	7.42E-10	1.46E-08	2.96E-09	1.99E-10	3.16E-09	1.49E-08	9.43E-10	1.59E-08	1.87E-09	1.07E-10	1.98E-09
130	437275.36	3725342.59	1.32E-08	6.85E-10	1.39E-08	2.82E-09	1.83E-10	3.00E-09	1.43E-08	8.68E-10	1.51E-08	1.78E-09	9.86E-11	1.88E-09
131	437272.31	3725333.94	1.27E-08	6.36E-10	1.33E-08	2.70E-09	1.69E-10	2.86E-09	1.37E-08	8.01E-10	1.45E-08	1.70E-09	9.09E-11	1.79E-09
132	437269.26	3725325.29	1.22E-08	5.93E-10	1.28E-08	2.59E-09	1.57E-10	2.74E-09	1.31E-08	7.43E-10	1.39E-08	1.62E-09	8.42E-11	1.71E-09
133	437266.2	3725316.65	1.18E-08	5.56E-10	1.23E-08	2.50E-09	1.46E-10	2.65E-09	1.27E-08	6.94E-10	1.34E-08	1.57E-09	7.85E-11	1.64E-09
134	437263.15	3725308	1.14E-08	5.22E-10	1.19E-08	2.41E-09	1.37E-10	2.55E-09	1.23E-08	6.48E-10	1.29E-08	1.51E-09	7.32E-11	1.58E-09
135	437250.93	3725273.41	9.89E-09	4.08E-10	1.03E-08	2.09E-09	1.05E-10	2.20E-09	1.07E-08	4.97E-10	1.12E-08	1.30E-09	5.58E-11	1.35E-09
136	437239.61	3725221.89	8.45E-09	3.02E-10	8.76E-09	1.78E-09	7.53E-11	1.85E-09	9.10E-09	3.57E-10	9.46E-09	1.10E-09	3.96E-11	1.14E-09
137	437243.56	3725213.61	8.53E-09	2.94E-10	8.82E-09	1.79E-09	7.28E-11	1.87E-09	9.18E-09	3.45E-10	9.53E-09	1.10E-09	3.82E-11	1.14E-09
138	437247.5	3725205.34	8.60E-09	2.86E-10	8.88E-09	1.81E-09	7.02E-11	1.88E-09	9.26E-09	3.33E-10	9.59E-09	1.11E-09	3.68E-11	1.15E-09
139	437251.45	3725197.06	8.60E-09	2.76E-10	8.87E-09	1.81E-09	6.72E-11	1.87E-09	9.26E-09	3.18E-10	9.58E-09	1.11E-09	3.51E-11	1.14E-09
140	437255.39	3725188.78	8.58E-09	2.66E-10	8.85E-09	1.80E-09	6.42E-11	1.87E-09	9.24E-09	3.04E-10	9.55E-09	1.10E-09	3.34E-11	1.14E-09
141	437259.34	3725180.5	8.56E-09	2.55E-10	8.81E-09	1.79E-09	6.11E-11	1.86E-09	9.21E-09	2.89E-10	9.50E-09	1.10E-09	3.17E-11	1.13E-09
142	437263.28	3725172.22	8.57E-09	2.46E-10	8.81E-09	1.80E-09	5.83E-11	1.85E-09	9.22E-09	2.76E-10	9.50E-09	1.10E-09	3.01E-11	1.13E-09
143	437294.84	3725105.99	9.22E-09	1.98E-10	9.42E-09	1.93E-09	4.30E-11	1.97E-09	9.94E-09	2.03E-10	1.01E-08	1.18E-09	2.14E-11	1.20E-09
144	437298.79	3725097.71	9.30E-09	1.93E-10	9.49E-09	1.95E-09	4.16E-11	1.99E-09	1.00E-08	1.96E-10	1.02E-08	1.19E-09	2.06E-11	1.21E-09
145	437302.73	3725089.43	9.36E-09	1.89E-10	9.55E-09	1.96E-09	4.03E-11	2.00E-09	1.01E-08	1.90E-10	1.03E-08	1.20E-09	1.99E-11	1.21E-09
146	437306.68	3725081.15	9.43E-09	1.86E-10	9.62E-09	1.98E-09	3.92E-11	2.01E-09	1.02E-08	1.85E-10	1.03E-08	1.20E-09	1.93E-11	1.22E-09
147	437310.62	3725072.87	9.51E-09	1.83E-10	9.69E-09	1.99E-09	3.84E-11	2.03E-09	1.02E-08	1.81E-10	1.04E-08	1.21E-09	1.88E-11	1.23E-09
148	437314.57	3725064.6	9.50E-09	1.78E-10	9.67E-09	1.99E-09	3.70E-11	2.03E-09	1.02E-08	1.75E-10	1.04E-08	1.21E-09	1.81E-11	1.23E-09
149	437318.51	3725056.32	9.46E-09	1.73E-10	9.64E-09	1.98E-09	3.57E-11	2.02E-09	1.02E-08	1.68E-10	1.04E-08	1.21E-09	1.74E-11	1.23E-09
150	437322.46	3725048.04	9.38E-09	1.68E-10	9.55E-09	1.97E-09	3.44E-11	2.00E-09	1.01E-08	1.62E-10	1.03E-08	1.20E-09	1.67E-11	1.22E-09
151	437326.4	3725039.76	9.24E-09	1.63E-10	9.40E-09	1.94E-09	3.31E-11	1.97E-09	9.96E-09	1.56E-10	1.01E-08	1.18E-09	1.60E-11	1.20E-09
152	437330.35	3725031.48	9.06E-09	1.58E-10	9.22E-09	1.90E-09	3.19E-11	1.93E-09	9.77E-09	1.50E-10	9.92E-09	1.16E-09	1.53E-11	1.17E-09

153	437312.01	3725446.36	2.52E-08	1.96E-09	2.72E-08	5.49E-09	5.48E-10	6.03E-09	2.73E-08	2.60E-09	2.99E-08	3.58E-09	3.00E-10	3.88E-09
154	437318.33	3725453.4	2.79E-08	2.26E-09	3.02E-08	6.09E-09	6.33E-10	6.72E-09	3.02E-08	3.01E-09	3.32E-08	3.99E-09	3.47E-10	4.33E-09
155	437286.58	3725457.59	1.90E-08	1.36E-09	2.03E-08	4.11E-09	3.78E-10	4.48E-09	2.05E-08	1.80E-09	2.23E-08	2.65E-09	2.06E-10	2.86E-09
156	437283.46	3725448.78	1.82E-08	1.28E-09	1.94E-08	3.92E-09	3.53E-10	4.28E-09	1.96E-08	1.67E-09	2.13E-08	2.53E-09	1.92E-10	2.72E-09
157	437280.35	3725439.98	1.74E-08	1.19E-09	1.86E-08	3.75E-09	3.29E-10	4.08E-09	1.88E-08	1.56E-09	2.03E-08	2.41E-09	1.79E-10	2.59E-09
158	437277.24	3725431.17	1.67E-08	1.11E-09	1.78E-08	3.60E-09	3.07E-10	3.90E-09	1.80E-08	1.46E-09	1.95E-08	2.31E-09	1.67E-10	2.47E-09
159	437274.13	3725422.36	1.60E-08	1.04E-09	1.71E-08	3.45E-09	2.86E-10	3.73E-09	1.73E-08	1.36E-09	1.87E-08	2.21E-09	1.56E-10	2.36E-09
160	437271.02	3725413.55	1.54E-08	9.76E-10	1.64E-08	3.31E-09	2.67E-10	3.57E-09	1.66E-08	1.27E-09	1.79E-08	2.11E-09	1.45E-10	2.26E-09
161	437267.91	3725404.75	1.48E-08	9.12E-10	1.57E-08	3.17E-09	2.49E-10	3.42E-09	1.60E-08	1.18E-09	1.71E-08	2.02E-09	1.35E-10	2.16E-09
162	437227.48	3725290.25	9.27E-09	4.10E-10	9.68E-09	1.96E-09	1.06E-10	2.07E-09	9.98E-09	5.04E-10	1.05E-08	1.22E-09	5.68E-11	1.28E-09
163	437224.37	3725281.44	8.93E-09	3.87E-10	9.32E-09	1.89E-09	1.00E-10	1.99E-09	9.62E-09	4.74E-10	1.01E-08	1.17E-09	5.33E-11	1.23E-09
164	437221.26	3725272.63	8.63E-09	3.66E-10	9.00E-09	1.82E-09	9.43E-11	1.92E-09	9.30E-09	4.47E-10	9.75E-09	1.13E-09	5.02E-11	1.18E-09
165	437218.15	3725263.83	8.36E-09	3.47E-10	8.71E-09	1.76E-09	8.91E-11	1.85E-09	9.01E-09	4.22E-10	9.43E-09	1.09E-09	4.74E-11	1.14E-09
166	437209.72	3725220.16	7.39E-09	2.77E-10	7.66E-09	1.55E-09	6.96E-11	1.62E-09	7.95E-09	3.30E-10	8.28E-09	9.57E-10	3.67E-11	9.93E-10
167	437213.74	3725211.73	7.37E-09	2.69E-10	7.64E-09	1.55E-09	6.72E-11	1.62E-09	7.94E-09	3.18E-10	8.26E-09	9.53E-10	3.54E-11	9.89E-10
168	437217.76	3725203.3	7.38E-09	2.62E-10	7.64E-09	1.55E-09	6.49E-11	1.61E-09	7.95E-09	3.07E-10	8.25E-09	9.53E-10	3.41E-11	9.87E-10
169	437221.78	3725194.87	7.39E-09	2.54E-10	7.65E-09	1.55E-09	6.26E-11	1.61E-09	7.96E-09	2.97E-10	8.26E-09	9.53E-10	3.28E-11	9.86E-10
170	437225.8	3725186.43	7.40E-09	2.47E-10	7.65E-09	1.55E-09	6.03E-11	1.61E-09	7.97E-09	2.86E-10	8.25E-09	9.52E-10	3.15E-11	9.83E-10
171	437229.82	3725178	7.40E-09	2.39E-10	7.64E-09	1.55E-09	5.80E-11	1.61E-09	7.96E-09	2.74E-10	8.24E-09	9.50E-10	3.02E-11	9.80E-10
172	437278.04	3725076.82	7.70E-09	1.68E-10	7.87E-09	1.61E-09	3.63E-11	1.64E-09	8.29E-09	1.71E-10	8.46E-09	9.77E-10	1.80E-11	9.95E-10
173	437282.05	3725068.38	7.75E-09	1.64E-10	7.91E-09	1.62E-09	3.52E-11	1.65E-09	8.35E-09	1.66E-10	8.51E-09	9.83E-10	1.74E-11	1.00E-09
174	437286.07	3725059.95	7.79E-09	1.61E-10	7.95E-09	1.63E-09	3.42E-11	1.66E-09	8.39E-09	1.61E-10	8.55E-09	9.88E-10	1.69E-11	1.00E-09
175	437290.09	3725051.52	7.81E-09	1.58E-10	7.97E-09	1.63E-09	3.32E-11	1.66E-09	8.41E-09	1.57E-10	8.57E-09	9.90E-10	1.63E-11	1.01E-09
176	437294.11	3725043.09	7.82E-09	1.55E-10	7.98E-09	1.63E-09	3.24E-11	1.67E-09	8.42E-09	1.53E-10	8.57E-09	9.91E-10	1.59E-11	1.01E-09
177	437298.13	3725034.65	7.80E-09	1.52E-10	7.95E-09	1.63E-09	3.16E-11	1.66E-09	8.40E-09	1.49E-10	8.55E-09	9.88E-10	1.54E-11	1.00E-09
178	437302.14	3725026.22	7.72E-09	1.48E-10	7.87E-09	1.61E-09	3.04E-11	1.64E-09	8.31E-09	1.44E-10	8.46E-09	9.78E-10	1.48E-11	9.93E-10
179	437306.16	3725017.79	7.62E-09	1.43E-10	7.76E-09	1.59E-09	2.93E-11	1.62E-09	8.20E-09	1.38E-10	8.34E-09	9.65E-10	1.42E-11	9.80E-10
180	437310.18	3725009.36	7.50E-09	1.39E-10	7.63E-09	1.57E-09	2.83E-11	1.59E-09	8.07E-09	1.33E-10	8.21E-09	9.50E-10	1.37E-11	9.63E-10
181	437289.69	3725466.4	1.98E-08	1.46E-09	2.13E-08	4.29E-09	4.05E-10	4.70E-09	2.14E-08	1.92E-09	2.33E-08	2.78E-09	2.21E-10	3.00E-09
182	437296.01	3725473.44	2.14E-08	1.62E-09	2.30E-08	4.63E-09	4.51E-10	5.08E-09	2.31E-08	2.14E-09	2.52E-08	3.01E-09	2.47E-10	3.26E-09
183	437302.33	3725480.48	2.30E-08	1.79E-09	2.47E-08	4.99E-09	5.01E-10	5.49E-09	2.48E-08	2.38E-09	2.72E-08	3.25E-09	2.74E-10	3.53E-09
184	437264.31	3725477.79	1.56E-08	1.08E-09	1.67E-08	3.37E-09	2.97E-10	3.67E-09	1.69E-08	1.41E-09	1.83E-08	2.16E-09	1.62E-10	2.33E-09
185	437261.25	3725469.15	1.52E-08	1.02E-09	1.62E-08	3.26E-09	2.82E-10	3.54E-09	1.64E-08	1.34E-09	1.77E-08	2.09E-09	1.54E-10	2.25E-09
186	437258.2	3725460.5	1.47E-08	9.75E-10	1.57E-08	3.16E-09	2.68E-10	3.43E-09	1.58E-08	1.27E-09	1.71E-08	2.02E-09	1.46E-10	2.17E-09
187	437255.15	3725451.85	1.42E-08	9.26E-10	1.51E-08	3.05E-09	2.54E-10	3.31E-09	1.53E-08	1.21E-09	1.65E-08	1.95E-09	1.38E-10	2.09E-09
188	437252.09	3725443.2	1.38E-08	8.79E-10	1.46E-08	2.95E-09	2.41E-10	3.19E-09	1.48E-08	1.14E-09	1.60E-08	1.89E-09	1.31E-10	2.02E-09
189	437249.04	3725434.56	1.33E-08	8.34E-10	1.42E-08	2.86E-09	2.28E-10	3.09E-09	1.44E-08	1.08E-09	1.55E-08	1.82E-09	1.24E-10	1.94E-09
190	437245.99	3725425.91	1.29E-08	7.91E-10	1.37E-08	2.77E-09	2.15E-10	2.98E-09	1.39E-08	1.02E-09	1.49E-08	1.76E-09	1.17E-10	1.88E-09
191	437242.93	3725417.26	1.25E-08	7.51E-10	1.32E-08	2.68E-09	2.04E-10	2.88E-09	1.35E-08	9.67E-10	1.45E-08	1.70E-09	1.10E-10	1.81E-09
192	437239.88	3725408.61	1.21E-08	7.12E-10	1.28E-08	2.59E-09	1.93E-10	2.78E-09	1.31E-08	9.14E-10	1.40E-08	1.64E-09	1.04E-10	1.75E-09
193	437236.82	3725399.97	1.17E-08	6.75E-10	1.24E-08	2.51E-09	1.82E-10	2.69E-09	1.27E-08	8.65E-10	1.35E-08	1.59E-09	9.86E-11	1.69E-09
194	437215.45	3725339.43	9.48E-09	4.71E-10	9.95E-09	2.01E-09	1.24E-10	2.14E-09	1.02E-08	5.90E-10	1.08E-08	1.26E-09	6.68E-11	1.33E-09
195	437212.39	3725330.79	9.21E-09	4.48E-10	9.66E-09	1.95E-09	1.18E-10	2.07E-09	9.92E-09	5.60E-10	1.05E-08	1.22E-09	6.34E-11	1.28E-09
196	437209.34	3725322.14	8.95E-09	4.27E-10	9.37E-09	1.90E-09	1.12E-10	2.01E-09	9.64E-09	5.31E-10	1.02E-08	1.18E-09	6.01E-11	1.24E-09
197	437206.29	3725313.49	8.70E-09	4.07E-10	9.10E-09	1.84E-09	1.06E-10	1.95E-09	9.37E-09	5.05E-10	9.87E-09	1.15E-09	5.70E-11	1.21E-09
198	437203.23	3725304.84	8.45E-09	3.88E-10	8.84E-09	1.79E-09	1.01E-10	1.89E-09	9.11E-09	4.80E-10	9.59E-09	1.11E-09	5.41E-11	1.17E-09
199	437200.18	3725296.2	8.23E-09	3.70E-10	8.60E-09	1.74E-09	9.63E-11	1.84E-09	8.86E-09	4.56E-10	9.32E-09	1.08E-09	5.14E-11	1.13E-09
200	437197.12	3725287.55	8.00E-09	3.54E-10	8.35E-09	1.69E-09	9.16E-11	1.78E-09	8.62E-09	4.34E-10	9.05E-09	1.05E-09	4.89E-11	1.10E-09
201	437194.07	3725278.9	7.78E-09	3.38E-10	8.12E-09	1.64E-09	8.72E-11	1.73E-09	8.38E-09	4.13E-10	8.79E-09	1.02E-09	4.65E-11	1.07E-09
202	437191.02	3725270.25	7.57E-09	3.23E-10	7.89E-09	1.60E-09	8.31E-11	1.68E-09	8.15E-09	3.94E-10	8.55E-09	9.90E-10	4.42E-11	1.03E-09
203	437187.96	3725261.61	7.36E-09	3.09E-10	7.67E-09	1.55E-09	7.92E-11	1.63E-09	7.93E-09	3.76E-10	8.30E-09	9.61E-10	4.21E-11	1.00E-09
204	437179.69	3725218.74	6.63E-09	2.56E-10	6.89E-09	1.39E-09	6.45E-11	1.46E-09	7.14E-09	3.06E-10	7.44E-09	8.58E-10	3.41E-11	8.92E-10
205	437183.64	3725210.46	6.63E-09	2.51E-10	6.88E-09	1.39E-09	6.29E-11	1.45E-09	7.13E-09	2.98E-10	7.43E-09	8.56E-10	3.32E-11	8.89E-10
206	437187.58	3725202.18	6.60E-09	2.44E-10	6.85E-09	1.39E-09	6.10E-11	1.45E-09	7.11E-09	2.89E-10	7.40E-09	8.52E-10	3.21E-11	8.84E-10
207	437191.53	3725193.9	6.61E-09	2.39E-10	6.85E-09	1.39E-09	5.93E-11	1.45E-09	7.11E-09	2.81E-10	7.40E-09	8.51E-10	3.12E-11	8.83E-10
208	437195.47	3725185.62	6.62E-09	2.33E-10	6.85E-09	1.39E-09	5.76E-11	1.45E-09	7.12E-09	2.73E-10	7.40E-09	8.51E-10	3.02E-11	8.81E-10
209	437199.42	3725177.34	6.63E-09	2.27E-10	6.86E-09	1.39E-09	5.58E-11	1.45E-09	7.14E-09	2.64E-10	7.40E-09	8.51E-10	2.92E-11	8.81E-10
210	437258.6	3725053.16	6.51E-09	1.46E-10	6.66E-09	1.36E-09	3.17E-11	1.39E-09	7.01E-09	1.50E-10	7.16E-09	8.22E-10	1.58E-11	8.38E-10
211	437262.54	3725044.88	6.53E-09	1.43E-10	6.67E-09	1.36E-09	3.07E-11	1.39E-09	7.02E-09	1.45E-10	7.17E-09	8.23E-10	1.53E-11	8.38E-10
212	437266.49	3725036.6	6.53E-09	1.40E-10	6.67E-09	1.36E-09	2.99E-11	1.39E-09	7.03E-09	1.41E-10	7.17E-09	8.24E-10	1.48E-11	8.38E-10
213	437270.43	3725028.32	6.53E-09	1.37E-10	6.67E-09	1.36E-09	2.90E-11	1.39E-09	7.03E-09	1.37E-10	7.17E-09	8.23E-10	1.43E-11	8.38E-10
214	437274.38	3725020.05	6.51E-09	1.34E-10	6.65E-09	1.36E-09	2.82E-11	1.38E-09	7.01E-09	1.33E-10	7.14E-09	8.20E-10	1.38E-11	8.34E-10
215	437278.32	3725011.77	6.48E-09	1.31E-10	6.61E-09	1.35E-09	2.74E-11	1.38E-09	6.97E-09	1.29E-10	7.10E-09	8.15E-10	1.34E-11	8.29E-10
216	437282.27	3725003.49	6.43E-09	1.29E-10	6.56E-09	1.34E-09	2.66E-11	1.37E-09	6.92E-09	1.26E-10	7.04E-09	8.09E-10	1.30E-11	8.22E-10
217	437286.21	3724995.21	6.37E-09	1.26E-10	6.49E-09	1.33E-09	2.59E-11	1.35E-09	6.85E-09	1.22E-10	6.98E-09	8.01E-10	1.26E-11	8.13E-10
218	437290.16	3724986.93	6.29E-09	1.23E-10	6.41E-09	1.31E-09	2.53E-11	1.33E-09	6.77E-09	1.19E-10	6.88E-09	7.90E-10	1.23E-11	8.03E-10
219	437235.73	3725480.13	1.21E-08	7.73E-10	1.29E-08	2.60E-09	2.11E-10	2.82E-09	1.31E-08	1.00E-09	1.41E-08	1.66E-09	1.15E-10	1.77E-09
220	437232.63	3725471.35	1.18E-08	7.43E-10	1.26E-08	2.54E-09	2.03E-10	2.74E-09	1.28E-08	9.61E-10	1.37E-08	1.62E-09	1.10E-10	1.73E-09
221	437229.53	3725462.57	1.16E-08	7.14E-10	1.23E-08	2.47E-09	1.94E-10	2.67E-09	1.25E-08	9.21E-10	1.34E-08	1.57E-09	1.05E-10	1.68E-09
222	437226.43	3725453.79	1.13E-08	6.85E-10	1.19E-08	2.41E-09	1.86E-10	2.60E-09	1.21E-08	8.82E-10	1.30E-08	1.53E-09	1.01E-10	1.63E-09
223	437223.33	3725445	1.10E-08	6.56E-10	1.16E-08	2.35E-09	1.78E-10	2.53E-09	1.18E-08	8.44E-10	1.27E-08	1.49E-09	9.64E-11	1.58E-09
224	437220.23	3725436.22	1.07E-08	6.29E-10	1.13E-08	2.28E-09	1.70E-10	2.45E-09	1.15E-08	8.07E-10	1.23E-08	1.45E-09	9.20E-11	1.54E-09
225	437217.12	3725427.44	1.04E-08	6.02E-10	1.10E-08	2.22E-09	1.63E-10	2.38E-09	1.12E-08	7.71E-10	1.20E-08	1.41E-09	8.79E-11	1.49E-09
226	437214.02	3725418.66	1.01E-08	5.77E-10	1.07E-08	2.16E-09	1.55E-10	2.32E-09	1.09E-08	7.36E-10	1.17E-08	1.37E-09	8.39E-11	1.45E-09
227	437210.92	3725409.87	9.87E-09	5.52E-10	1.04E-08	2.10E-09	1.48E-10	2.25E-09	1.06E-08	7.03E-10	1.13E-08	1.33E-09	8.01E-11	1.41E-09
228	437207.82	3725401.09	9.61E-09	5.28E-10	1.01E-08	2.05E-09	1.42E-10	2.19E-09	1.04E-08	6.72E-10	1.10E-08	1.29E-09	7.64E-11	1.37E-09
229	437189.21	3725348.4	8.22E-09	4.08E-10	8.63E-09	1.74E-09	1.08E-10	1.85E-09	8.85E-09	5.11E-10	9.36E-09	1.09E-09	5.78E-11	1.15E-09
230	437186.11	3725339.61	8.01E-09	3.91E-10	8.41E-09	1.70E-09	1.03E-10	1.80E-09	8.63E-09	4.88E-10	9.12E-09	1.06E-09	5.52E-11	1.12E-09

231	437183.01	3725330.83	7.82E-09	3.75E-10	8.19E-09	1.66E-09	9.85E-11	1.75E-09	8.42E-09	4.67E-10	8.89E-09	1.03E-09	5.28E-11	1.09E-09
232	437164.4	3725278.13	6.74E-09	2.94E-10	7.03E-09	1.42E-09	7.58E-11	1.50E-09	7.26E-09	3.59E-10	7.62E-09	8.82E-10	4.04E-11	9.22E-10
233	437161.3	3725269.35	6.58E-09	2.82E-10	6.86E-09	1.39E-09	7.26E-11	1.46E-09	7.08E-09	3.44E-10	7.43E-09	8.59E-10	3.87E-11	8.98E-10
234	437158.2	3725260.57	6.42E-09	2.71E-10	6.69E-09	1.35E-09	6.96E-11	1.42E-09	6.91E-09	3.30E-10	7.24E-09	8.37E-10	3.70E-11	8.74E-10
235	437149.8	3725217.03	5.85E-09	2.30E-10	6.09E-09	1.23E-09	5.82E-11	1.29E-09	6.30E-09	2.76E-10	6.58E-09	7.58E-10	3.08E-11	7.89E-10
236	437153.8	3725208.62	5.88E-09	2.27E-10	6.11E-09	1.23E-09	5.72E-11	1.29E-09	6.33E-09	2.71E-10	6.60E-09	7.60E-10	3.02E-11	7.90E-10
237	437157.81	3725200.21	5.90E-09	2.24E-10	6.13E-09	1.24E-09	5.61E-11	1.30E-09	6.35E-09	2.66E-10	6.62E-09	7.62E-10	2.96E-11	7.91E-10
238	437161.82	3725191.81	5.93E-09	2.20E-10	6.15E-09	1.24E-09	5.50E-11	1.30E-09	6.38E-09	2.61E-10	6.64E-09	7.64E-10	2.90E-11	7.93E-10
239	437165.82	3725183.4	5.95E-09	2.17E-10	6.17E-09	1.25E-09	5.38E-11	1.30E-09	6.41E-09	2.55E-10	6.66E-09	7.66E-10	2.83E-11	7.94E-10
240	437169.83	3725174.99	5.98E-09	2.13E-10	6.19E-09	1.25E-09	5.26E-11	1.30E-09	6.43E-09	2.49E-10	6.68E-09	7.67E-10	2.76E-11	7.95E-10
241	437209.9	3725090.91	5.81E-09	1.61E-10	5.97E-09	1.21E-09	3.73E-11	1.25E-09	6.25E-09	1.76E-10	6.43E-09	7.36E-10	1.91E-11	7.55E-10
242	437241.95	3725023.64	5.68E-09	1.29E-10	5.81E-09	1.18E-09	2.79E-11	1.21E-09	6.11E-09	1.32E-10	6.24E-09	7.13E-10	1.39E-11	7.27E-10
243	437245.96	3725015.23	5.64E-09	1.25E-10	5.77E-09	1.17E-09	2.69E-11	1.20E-09	6.07E-09	1.27E-10	6.20E-09	7.08E-10	1.33E-11	7.22E-10
244	437249.97	3725006.83	5.60E-09	1.22E-10	5.72E-09	1.16E-09	2.60E-11	1.19E-09	6.02E-09	1.23E-10	6.14E-09	7.02E-10	1.28E-11	7.15E-10
245	437253.97	3724998.42	5.55E-09	1.19E-10	5.67E-09	1.15E-09	2.51E-11	1.18E-09	5.97E-09	1.19E-10	6.08E-09	6.95E-10	1.24E-11	7.08E-10
246	437257.98	3724990.01	5.49E-09	1.16E-10	5.61E-09	1.14E-09	2.43E-11	1.17E-09	5.91E-09	1.15E-10	6.02E-09	6.88E-10	1.19E-11	7.00E-10
247	437261.99	3724981.6	5.45E-09	1.13E-10	5.56E-09	1.13E-09	2.36E-11	1.16E-09	5.86E-09	1.11E-10	5.97E-09	6.82E-10	1.15E-11	6.93E-10
248	437265.99	3724973.19	5.40E-09	1.11E-10	5.51E-09	1.12E-09	2.30E-11	1.14E-09	5.80E-09	1.08E-10	5.91E-09	6.75E-10	1.12E-11	6.86E-10
249	437270	3724964.78	5.34E-09	1.09E-10	5.45E-09	1.11E-09	2.24E-11	1.13E-09	5.74E-09	1.06E-10	5.85E-09	6.67E-10	1.09E-11	6.78E-10
250	437203.85	3725473.11	9.57E-09	5.64E-10	1.01E-08	2.04E-09	1.52E-10	2.19E-09	1.03E-08	7.23E-10	1.10E-08	1.29E-09	8.24E-11	1.37E-09
251	437200.71	3725464.21	9.36E-09	5.45E-10	9.91E-09	2.00E-09	1.47E-10	2.14E-09	1.01E-08	6.97E-10	1.08E-08	1.26E-09	7.95E-11	1.34E-09
252	437197.56	3725455.31	9.16E-09	5.26E-10	9.69E-09	1.95E-09	1.42E-10	2.09E-09	9.87E-09	6.72E-10	1.05E-08	1.23E-09	7.66E-11	1.31E-09
253	437194.42	3725446.41	8.96E-09	5.08E-10	9.47E-09	1.91E-09	1.36E-10	2.05E-09	9.66E-09	6.47E-10	1.03E-08	1.20E-09	7.37E-11	1.28E-09
254	437191.28	3725437.5	8.76E-09	4.90E-10	9.25E-09	1.87E-09	1.31E-10	2.00E-09	9.45E-09	6.23E-10	1.01E-08	1.18E-09	7.09E-11	1.25E-09
255	437188.13	3725428.6	8.57E-09	4.72E-10	9.04E-09	1.82E-09	1.26E-10	1.95E-09	9.24E-09	6.00E-10	9.84E-09	1.15E-09	6.82E-11	1.22E-09
256	437184.99	3725419.7	8.38E-09	4.55E-10	8.84E-09	1.78E-09	1.22E-10	1.90E-09	9.03E-09	5.77E-10	9.61E-09	1.12E-09	6.56E-11	1.19E-09
257	437181.85	3725410.8	8.19E-09	4.39E-10	8.63E-09	1.74E-09	1.17E-10	1.86E-09	8.83E-09	5.55E-10	9.38E-09	1.09E-09	6.31E-11	1.16E-09
258	437178.7	3725401.9	8.01E-09	4.23E-10	8.43E-09	1.70E-09	1.13E-10	1.81E-09	8.63E-09	5.34E-10	9.16E-09	1.07E-09	6.07E-11	1.13E-09
259	437175.56	3725393	7.83E-09	4.08E-10	8.24E-09	1.66E-09	1.08E-10	1.77E-09	8.44E-09	5.14E-10	8.95E-09	1.04E-09	5.83E-11	1.10E-09
260	437153.55	3725330.68	6.69E-09	3.16E-10	7.00E-09	1.41E-09	8.28E-11	1.50E-09	7.20E-09	3.92E-10	7.59E-09	8.80E-10	4.43E-11	9.24E-10
261	437150.41	3725321.78	6.54E-09	3.05E-10	6.84E-09	1.38E-09	7.96E-11	1.46E-09	7.04E-09	3.78E-10	7.42E-09	8.59E-10	4.26E-11	9.02E-10
262	437147.27	3725312.88	6.40E-09	2.95E-10	6.69E-09	1.35E-09	7.67E-11	1.43E-09	6.89E-09	3.64E-10	7.25E-09	8.39E-10	4.10E-11	8.80E-10
263	437144.12	3725303.98	6.26E-09	2.84E-10	6.54E-09	1.32E-09	7.38E-11	1.40E-09	6.74E-09	3.50E-10	7.09E-09	8.20E-10	3.94E-11	8.59E-10
264	437140.98	3725295.08	6.13E-09	2.74E-10	6.40E-09	1.29E-09	7.11E-11	1.36E-09	6.60E-09	3.37E-10	6.93E-09	8.02E-10	3.79E-11	8.40E-10
265	437137.84	3725286.17	5.99E-09	2.65E-10	6.26E-09	1.26E-09	6.85E-11	1.33E-09	6.45E-09	3.24E-10	6.78E-09	7.83E-10	3.65E-11	8.20E-10
266	437134.69	3725277.27	5.86E-09	2.56E-10	6.11E-09	1.23E-09	6.59E-11	1.30E-09	6.31E-09	3.12E-10	6.62E-09	7.64E-10	3.51E-11	7.99E-10
267	437131.55	3725268.37	5.73E-09	2.47E-10	5.97E-09	1.21E-09	6.35E-11	1.27E-09	6.16E-09	3.01E-10	6.47E-09	7.46E-10	3.38E-11	7.80E-10
268	437128.41	3725259.47	5.60E-09	2.38E-10	5.84E-09	1.18E-09	6.12E-11	1.24E-09	6.03E-09	2.90E-10	6.32E-09	7.29E-10	3.25E-11	7.61E-10
269	437118.97	3725232.76	5.23E-09	2.15E-10	5.45E-09	1.10E-09	5.47E-11	1.16E-09	5.63E-09	2.59E-10	5.89E-09	6.78E-10	2.90E-11	7.07E-10
270	437119.89	3725215.34	5.16E-09	2.06E-10	5.36E-09	1.08E-09	5.22E-11	1.14E-09	5.55E-09	2.47E-10	5.80E-09	6.67E-10	2.76E-11	6.94E-10
271	437123.95	3725206.82	5.20E-09	2.05E-10	5.40E-09	1.09E-09	5.16E-11	1.14E-09	5.59E-09	2.45E-10	5.83E-09	6.71E-10	2.73E-11	6.98E-10
272	437128.01	3725198.29	5.23E-09	2.02E-10	5.43E-09	1.10E-09	5.09E-11	1.15E-09	5.63E-09	2.41E-10	5.87E-09	6.75E-10	2.69E-11	7.02E-10
273	437132.08	3725189.77	5.26E-09	2.00E-10	5.46E-09	1.10E-09	5.01E-11	1.15E-09	5.66E-09	2.37E-10	5.90E-09	6.78E-10	2.64E-11	7.04E-10
274	437136.14	3725181.25	5.29E-09	1.98E-10	5.49E-09	1.11E-09	4.93E-11	1.16E-09	5.70E-09	2.33E-10	5.93E-09	6.81E-10	2.60E-11	7.07E-10
275	437164.57	3725121.59	5.39E-09	1.74E-10	5.57E-09	1.13E-09	4.20E-11	1.17E-09	5.80E-09	1.99E-10	6.00E-09	6.86E-10	2.18E-11	7.08E-10
276	437168.63	3725113.07	5.40E-09	1.70E-10	5.57E-09	1.13E-09	4.08E-11	1.17E-09	5.80E-09	1.93E-10	6.00E-09	6.86E-10	2.12E-11	7.07E-10
277	437172.69	3725104.55	5.41E-09	1.67E-10	5.57E-09	1.13E-09	3.96E-11	1.17E-09	5.81E-09	1.87E-10	6.00E-09	6.85E-10	2.05E-11	7.06E-10
278	437176.75	3725096.03	5.39E-09	1.62E-10	5.56E-09	1.12E-09	3.84E-11	1.16E-09	5.80E-09	1.82E-10	5.98E-09	6.83E-10	1.98E-11	7.03E-10
279	437180.81	3725087.5	5.38E-09	1.58E-10	5.53E-09	1.12E-09	3.71E-11	1.16E-09	5.78E-09	1.75E-10	5.96E-09	6.80E-10	1.91E-11	6.99E-10
280	437184.87	3725078.98	5.35E-09	1.54E-10	5.51E-09	1.12E-09	3.58E-11	1.15E-09	5.75E-09	1.69E-10	5.92E-09	6.76E-10	1.84E-11	6.95E-10
281	437188.93	3725070.46	5.33E-09	1.49E-10	5.47E-09	1.11E-09	3.45E-11	1.14E-09	5.73E-09	1.63E-10	5.89E-09	6.72E-10	1.77E-11	6.90E-10
282	437192.99	3725061.94	5.30E-09	1.45E-10	5.44E-09	1.10E-09	3.33E-11	1.14E-09	5.69E-09	1.57E-10	5.85E-09	6.68E-10	1.70E-11	6.85E-10
283	437225.48	3724993.76	4.96E-09	1.14E-10	5.08E-09	1.03E-09	2.46E-11	1.06E-09	5.34E-09	1.16E-10	5.45E-09	6.21E-10	1.22E-11	6.33E-10
284	437229.55	3724985.24	4.90E-09	1.10E-10	5.01E-09	1.02E-09	2.37E-11	1.04E-09	5.27E-09	1.12E-10	5.38E-09	6.12E-10	1.17E-11	6.24E-10
285	437233.61	3724976.71	4.85E-09	1.08E-10	4.96E-09	1.01E-09	2.29E-11	1.03E-09	5.22E-09	1.08E-10	5.33E-09	6.06E-10	1.13E-11	6.18E-10
286	437237.67	3724968.19	4.80E-09	1.05E-10	4.91E-09	9.97E-10	2.22E-11	1.02E-09	5.16E-09	1.05E-10	5.27E-09	6.00E-10	1.09E-11	6.11E-10
287	437241.73	3724959.67	4.75E-09	1.02E-10	4.86E-09	9.86E-10	2.15E-11	1.01E-09	5.11E-09	1.02E-10	5.21E-09	5.93E-10	1.06E-11	6.03E-10
288	437245.79	3724951.15	4.70E-09	1.00E-10	4.80E-09	9.75E-10	2.09E-11	9.95E-10	5.05E-09	9.86E-11	5.15E-09	5.86E-10	1.02E-11	5.96E-10
289	437249.85	3724942.62	4.64E-09	9.78E-11	4.74E-09	9.62E-10	2.03E-11	9.82E-10	4.99E-09	9.58E-11	5.08E-09	5.78E-10	9.92E-12	5.87E-10
290	437175.63	3725476.45	7.87E-09	4.40E-10	8.31E-09	1.67E-09	1.18E-10	1.79E-09	8.48E-09	5.59E-10	9.04E-09	1.05E-09	6.36E-11	1.12E-09
291	437172.53	3725467.68	7.74E-09	4.28E-10	8.17E-09	1.65E-09	1.15E-10	1.76E-09	8.34E-09	5.43E-10	8.89E-09	1.03E-09	6.18E-11	1.10E-09
292	437169.44	3725458.92	7.62E-09	4.17E-10	8.03E-09	1.62E-09	1.11E-10	1.73E-09	8.21E-09	5.28E-10	8.73E-09	1.02E-09	6.01E-11	1.08E-09
293	437166.34	3725450.16	7.49E-09	4.06E-10	7.89E-09	1.59E-09	1.08E-10	1.70E-09	8.07E-09	5.13E-10	8.58E-09	9.98E-10	5.83E-11	1.06E-09
294	437163.25	3725441.39	7.37E-09	3.95E-10	7.76E-09	1.56E-09	1.05E-10	1.67E-09	7.94E-09	4.99E-10	8.44E-09	9.81E-10	5.67E-11	1.04E-09
295	437160.15	3725432.63	7.24E-09	3.85E-10	7.63E-09	1.54E-09	1.02E-10	1.64E-09	7.80E-09	4.86E-10	8.29E-09	9.64E-10	5.51E-11	1.02E-09
296	437157.06	3725423.86	7.11E-09	3.73E-10	7.48E-09	1.51E-09	9.91E-11	1.61E-09	7.66E-09	4.70E-10	8.13E-09	9.44E-10	5.33E-11	9.98E-10
297	437153.96	3725415.1	6.97E-09	3.62E-10	7.34E-09	1.48E-09	9.60E-11	1.58E-09	7.51E-09	4.55E-10	7.97E-09	9.25E-10	5.16E-11	9.77E-10
298	437150.87	3725406.33	6.84E-09	3.51E-10	7.19E-09	1.45E-09	9.30E-11	1.54E-09	7.37E-09	4.41E-10	7.81E-09	9.07E-10	5.00E-11	9.57E-10
299	437147.77	3725397.57	6.71E-09	3.41E-10	7.05E-09	1.42E-09	9.00E-11	1.51E-09	7.23E-09	4.27E-10	7.66E-09	8.88E-10	4.83E-11	9.37E-10
300	437135.39	3725362.51	6.21E-09	3.02E-10	6.52E-09	1.31E-09	7.91E-11	1.39E-09	6.69E-09	3.75E-10	7.07E-09	8.18E-10	4.24E-11	8.60E-10
301	437132.3	3725353.75	6.09E-09	2.92E-10	6.38E-09	1.29E-09	7.66E-11	1.36E-09	6.56E-09	3.63E-10	6.92E-09	8.01E-10	4.10E-11	8.42E-10
302	437129.2	3725344.98	5.97E-09	2.84E-10	6.25E-09	1.26E-09	7.41E-11	1.34E-09	6.43E-09	3.51E-10	6.78E-09	7.84E-10	3.96E-11	8.24E-10
303	437126.11	3725336.22	5.85E-09	2.75E-10	6.13E-09	1.24E-09	7.17E-11	1.31E-09	6.30E-09	3.40E-10	6.64E-09	7.67E-10	3.83E-11	8.06E-10
304	437123.01	3725327.46	5.73E-09	2.67E-10	6.00E-09	1.21E-09	6.94E-11	1.28E-09	6.17E-09	3.29E-10	6.50E-09	7.51E-10	3.71E-11	7.88E-10
305	437119.92	3725318.69	5.62E-09	2.59E-10	5.88E-09	1.19E-09	6.72E-11	1.25E-09	6.05E-09	3.19E-10	6.37E-09	7.36E-10	3.59E-11	7.71E-10
306	437116.82	3725309.93	5.52E-09	2.51E-10	5.77E-09	1.16E-09	6.51E-11	1.23E-09	5.94E-09	3.08E-10	6.25E-09	7.21E-10	3.47E-11	7.56E-10
307	437113.73	3725301.16	5.41E-09	2.44E-10	5.66E-09	1.14E-09	6.30E-11	1.20E-09	5.82E-09	2.99E-10	6.12E-09	7.06E-10	3.36E-11	7.40E-10
308	437110.63	3725292.4	5.31E-09	2.36E-10	5.54E-09	1.12E-09	6.10E-11	1.18E-09	5.71E-09	2.89E-10	6.00E-09	6.92E-10	3.25E-11	7.25E-10

309	437107.54	3725283.63	5.20E-09	2.29E-10	5.43E-09	1.10E-09	5.91E-11	1.16E-09	5.60E-09	2.80E-10	5.88E-09	6.78E-10	3.15E-11	7.09E-10
310	437101.35	3725266.11	5.00E-09	2.16E-10	5.22E-09	1.05E-09	5.54E-11	1.11E-09	5.38E-09	2.62E-10	5.64E-09	6.50E-10	2.94E-11	6.79E-10
311	437088.97	3725231.05	4.62E-09	1.91E-10	4.81E-09	9.71E-10	4.87E-11	1.02E-09	4.97E-09	2.31E-10	5.20E-09	5.98E-10	2.58E-11	6.23E-10
312	437089.87	3725213.89	4.57E-09	1.85E-10	4.76E-09	9.60E-10	4.69E-11	1.01E-09	4.92E-09	2.22E-10	5.14E-09	5.90E-10	2.48E-11	6.15E-10
313	437093.87	3725205.5	4.61E-09	1.84E-10	4.79E-09	9.67E-10	4.65E-11	1.01E-09	4.96E-09	2.20E-10	5.18E-09	5.94E-10	2.46E-11	6.19E-10
314	437097.87	3725197.11	4.64E-09	1.83E-10	4.82E-09	9.73E-10	4.61E-11	1.02E-09	4.99E-09	2.18E-10	5.21E-09	5.98E-10	2.44E-11	6.22E-10
315	437101.87	3725188.72	4.67E-09	1.82E-10	4.85E-09	9.80E-10	4.56E-11	1.03E-09	5.02E-09	2.16E-10	5.24E-09	6.01E-10	2.41E-11	6.25E-10
316	437105.87	3725180.33	4.70E-09	1.80E-10	4.88E-09	9.86E-10	4.51E-11	1.03E-09	5.06E-09	2.13E-10	5.27E-09	6.04E-10	2.38E-11	6.28E-10
317	437129.86	3725129.99	4.84E-09	1.66E-10	5.00E-09	1.01E-09	4.07E-11	1.05E-09	5.20E-09	1.92E-10	5.39E-09	6.17E-10	2.12E-11	6.39E-10
318	437133.85	3725121.59	4.85E-09	1.63E-10	5.02E-09	1.01E-09	3.98E-11	1.05E-09	5.22E-09	1.88E-10	5.41E-09	6.18E-10	2.08E-11	6.39E-10
319	437137.85	3725113.2	4.87E-09	1.61E-10	5.03E-09	1.02E-09	3.89E-11	1.06E-09	5.23E-09	1.84E-10	5.42E-09	6.20E-10	2.03E-11	6.40E-10
320	437141.85	3725104.81	4.88E-09	1.58E-10	5.04E-09	1.02E-09	3.80E-11	1.06E-09	5.25E-09	1.80E-10	5.43E-09	6.21E-10	1.97E-11	6.40E-10
321	437145.85	3725096.42	4.89E-09	1.55E-10	5.05E-09	1.02E-09	3.71E-11	1.06E-09	5.26E-09	1.75E-10	5.43E-09	6.21E-10	1.92E-11	6.40E-10
322	437149.85	3725088.03	4.90E-09	1.52E-10	5.05E-09	1.02E-09	3.61E-11	1.06E-09	5.27E-09	1.71E-10	5.44E-09	6.21E-10	1.87E-11	6.40E-10
323	437153.85	3725079.64	4.90E-09	1.49E-10	5.05E-09	1.02E-09	3.52E-11	1.06E-09	5.27E-09	1.66E-10	5.44E-09	6.21E-10	1.82E-11	6.39E-10
324	437157.85	3725071.25	4.90E-09	1.46E-10	5.05E-09	1.02E-09	3.42E-11	1.06E-09	5.27E-09	1.62E-10	5.43E-09	6.20E-10	1.76E-11	6.37E-10
325	437161.84	3725062.86	4.89E-09	1.42E-10	5.04E-09	1.02E-09	3.33E-11	1.05E-09	5.26E-09	1.57E-10	5.42E-09	6.18E-10	1.71E-11	6.35E-10
326	437165.84	3725054.47	4.89E-09	1.39E-10	5.02E-09	1.02E-09	3.23E-11	1.05E-09	5.25E-09	1.53E-10	5.41E-09	6.16E-10	1.66E-11	6.33E-10
327	437169.84	3725046.08	4.88E-09	1.36E-10	5.01E-09	1.01E-09	3.14E-11	1.05E-09	5.24E-09	1.48E-10	5.39E-09	6.14E-10	1.60E-11	6.30E-10
328	437173.84	3725037.69	4.86E-09	1.33E-10	4.99E-09	1.01E-09	3.05E-11	1.04E-09	5.22E-09	1.44E-10	5.37E-09	6.12E-10	1.55E-11	6.27E-10
329	437177.84	3725029.3	4.84E-09	1.30E-10	4.97E-09	1.01E-09	2.95E-11	1.04E-09	5.20E-09	1.40E-10	5.34E-09	6.08E-10	1.50E-11	6.23E-10
330	437213.82	3724953.78	4.35E-09	9.94E-11	4.45E-09	9.02E-10	2.13E-11	9.24E-10	4.68E-09	1.00E-10	4.78E-09	5.42E-10	1.05E-11	5.53E-10
331	437217.82	3724945.39	4.29E-09	9.65E-11	4.38E-09	8.88E-10	2.05E-11	9.09E-10	4.61E-09	9.70E-11	4.70E-09	5.33E-10	1.01E-11	5.44E-10
332	437221.82	3724937	4.22E-09	9.38E-11	4.31E-09	8.74E-10	1.99E-11	8.94E-10	4.53E-09	9.37E-11	4.63E-09	5.25E-10	9.78E-12	5.34E-10
333	437225.82	3724928.61	4.16E-09	9.14E-11	4.25E-09	8.61E-10	1.92E-11	8.81E-10	4.47E-09	9.08E-11	4.56E-09	5.17E-10	9.46E-12	5.26E-10
334	437229.82	3724920.22	4.10E-09	8.91E-11	4.19E-09	8.48E-10	1.87E-11	8.67E-10	4.40E-09	8.81E-11	4.49E-09	5.08E-10	9.15E-12	5.18E-10
335	437143.61	3725469.04	6.46E-09	3.41E-10	6.80E-09	1.37E-09	9.06E-11	1.46E-09	6.96E-09	4.30E-10	7.39E-09	8.57E-10	4.88E-11	9.06E-10
336	437140.48	3725460.17	6.38E-09	3.34E-10	6.71E-09	1.35E-09	8.86E-11	1.44E-09	6.87E-09	4.20E-10	7.29E-09	8.45E-10	4.76E-11	8.93E-10
337	437137.35	3725451.3	6.30E-09	3.27E-10	6.62E-09	1.33E-09	8.67E-11	1.42E-09	6.78E-09	4.11E-10	7.19E-09	8.34E-10	4.66E-11	8.80E-10
338	437134.22	3725442.44	6.22E-09	3.21E-10	6.54E-09	1.32E-09	8.48E-11	1.40E-09	6.70E-09	4.02E-10	7.10E-09	8.23E-10	4.56E-11	8.68E-10
339	437131.08	3725433.57	6.14E-09	3.14E-10	6.46E-09	1.30E-09	8.30E-11	1.38E-09	6.62E-09	3.93E-10	7.01E-09	8.12E-10	4.46E-11	8.56E-10
340	437127.95	3725424.7	6.07E-09	3.08E-10	6.38E-09	1.28E-09	8.12E-11	1.37E-09	6.54E-09	3.85E-10	6.92E-09	8.01E-10	4.36E-11	8.45E-10
341	437124.82	3725415.83	5.98E-09	3.01E-10	6.28E-09	1.26E-09	7.92E-11	1.34E-09	6.43E-09	3.75E-10	6.81E-09	7.88E-10	4.25E-11	8.31E-10
342	437121.69	3725406.96	5.87E-09	2.93E-10	6.17E-09	1.24E-09	7.69E-11	1.32E-09	6.32E-09	3.65E-10	6.69E-09	7.74E-10	4.13E-11	8.15E-10
343	437109.16	3725371.48	5.48E-09	2.63E-10	5.74E-09	1.16E-09	6.87E-11	1.23E-09	5.89E-09	3.26E-10	6.22E-09	7.18E-10	3.68E-11	7.55E-10
344	437106.03	3725362.61	5.38E-09	2.56E-10	5.64E-09	1.14E-09	6.68E-11	1.20E-09	5.79E-09	3.16E-10	6.11E-09	7.05E-10	3.57E-11	7.41E-10
345	437102.9	3725353.74	5.28E-09	2.49E-10	5.53E-09	1.11E-09	6.49E-11	1.18E-09	5.69E-09	3.08E-10	6.00E-09	6.92E-10	3.47E-11	7.26E-10
346	437080.97	3725291.66	4.66E-09	2.06E-10	4.86E-09	9.80E-10	5.31E-11	1.03E-09	5.01E-09	2.52E-10	5.26E-09	6.05E-10	2.83E-11	6.33E-10
347	437077.84	3725282.79	4.58E-09	2.01E-10	4.78E-09	9.62E-10	5.16E-11	1.01E-09	4.92E-09	2.45E-10	5.17E-09	5.94E-10	2.75E-11	6.21E-10
348	437074.71	3725273.92	4.49E-09	1.96E-10	4.69E-09	9.45E-10	5.02E-11	9.95E-10	4.83E-09	2.38E-10	5.07E-09	5.83E-10	2.67E-11	6.09E-10
349	437071.57	3725265.05	4.41E-09	1.90E-10	4.60E-09	9.28E-10	4.87E-11	9.76E-10	4.75E-09	2.31E-10	4.98E-09	5.72E-10	2.59E-11	5.98E-10
350	437062.18	3725238.44	4.18E-09	1.76E-10	4.36E-09	8.78E-10	4.47E-11	9.23E-10	4.50E-09	2.12E-10	4.71E-09	5.40E-10	2.37E-11	5.64E-10
351	437059.05	3725229.58	4.11E-09	1.71E-10	4.28E-09	8.63E-10	4.35E-11	9.06E-10	4.42E-09	2.06E-10	4.63E-09	5.30E-10	2.30E-11	5.53E-10
352	437059.96	3725212.21	4.07E-09	1.66E-10	4.24E-09	8.55E-10	4.21E-11	8.97E-10	4.38E-09	2.00E-10	4.58E-09	5.25E-10	2.23E-11	5.47E-10
353	437064.01	3725203.72	4.11E-09	1.66E-10	4.28E-09	8.62E-10	4.19E-11	9.04E-10	4.42E-09	1.99E-10	4.62E-09	5.29E-10	2.22E-11	5.51E-10
354	437068.05	3725195.23	4.14E-09	1.65E-10	4.31E-09	8.69E-10	4.17E-11	9.10E-10	4.46E-09	1.97E-10	4.65E-09	5.33E-10	2.20E-11	5.55E-10
355	437072.1	3725186.74	4.17E-09	1.64E-10	4.34E-09	8.75E-10	4.14E-11	9.16E-10	4.49E-09	1.96E-10	4.68E-09	5.36E-10	2.18E-11	5.58E-10
356	437076.15	3725178.25	4.20E-09	1.63E-10	4.36E-09	8.80E-10	4.10E-11	9.21E-10	4.52E-09	1.94E-10	4.71E-09	5.40E-10	2.16E-11	5.61E-10
357	437104.47	3725118.81	4.35E-09	1.52E-10	4.51E-09	9.10E-10	3.72E-11	9.47E-10	4.68E-09	1.76E-10	4.86E-09	5.55E-10	1.94E-11	5.74E-10
358	437108.52	3725110.32	4.37E-09	1.50E-10	4.52E-09	9.13E-10	3.65E-11	9.49E-10	4.70E-09	1.73E-10	4.87E-09	5.56E-10	1.90E-11	5.75E-10
359	437112.56	3725101.83	4.38E-09	1.47E-10	4.53E-09	9.15E-10	3.57E-11	9.51E-10	4.71E-09	1.69E-10	4.88E-09	5.57E-10	1.86E-11	5.76E-10
360	437116.61	3725093.34	4.40E-09	1.45E-10	4.54E-09	9.17E-10	3.50E-11	9.52E-10	4.73E-09	1.66E-10	4.89E-09	5.58E-10	1.82E-11	5.76E-10
361	437120.66	3725084.85	4.41E-09	1.42E-10	4.55E-09	9.19E-10	3.42E-11	9.53E-10	4.74E-09	1.62E-10	4.90E-09	5.59E-10	1.78E-11	5.76E-10
362	437124.7	3725076.36	4.41E-09	1.40E-10	4.55E-09	9.20E-10	3.34E-11	9.54E-10	4.74E-09	1.58E-10	4.90E-09	5.59E-10	1.73E-11	5.76E-10
363	437128.75	3725067.87	4.42E-09	1.37E-10	4.56E-09	9.21E-10	3.27E-11	9.54E-10	4.75E-09	1.54E-10	4.90E-09	5.59E-10	1.69E-11	5.76E-10
364	437132.79	3725059.37	4.42E-09	1.35E-10	4.56E-09	9.21E-10	3.18E-11	9.53E-10	4.75E-09	1.51E-10	4.90E-09	5.59E-10	1.64E-11	5.75E-10
365	437136.84	3725050.88	4.42E-09	1.32E-10	4.55E-09	9.21E-10	3.10E-11	9.52E-10	4.75E-09	1.47E-10	4.90E-09	5.58E-10	1.60E-11	5.74E-10
366	437140.89	3725042.39	4.42E-09	1.29E-10	4.55E-09	9.20E-10	3.02E-11	9.50E-10	4.75E-09	1.43E-10	4.89E-09	5.57E-10	1.55E-11	5.73E-10
367	437144.93	3725033.9	4.41E-09	1.27E-10	4.54E-09	9.18E-10	2.94E-11	9.48E-10	4.74E-09	1.39E-10	4.88E-09	5.56E-10	1.51E-11	5.71E-10
368	437148.98	3725025.41	4.40E-09	1.24E-10	4.53E-09	9.16E-10	2.86E-11	9.44E-10	4.73E-09	1.35E-10	4.87E-09	5.54E-10	1.46E-11	5.69E-10
369	437153.03	3725016.92	4.39E-09	1.21E-10	4.51E-09	9.13E-10	2.78E-11	9.40E-10	4.72E-09	1.31E-10	4.85E-09	5.52E-10	1.42E-11	5.66E-10
370	437157.07	3725008.43	4.37E-09	1.18E-10	4.49E-09	9.09E-10	2.70E-11	9.36E-10	4.70E-09	1.28E-10	4.83E-09	5.49E-10	1.37E-11	5.63E-10
371	437161.12	3724999.94	4.35E-09	1.16E-10	4.47E-09	9.04E-10	2.62E-11	9.30E-10	4.67E-09	1.24E-10	4.80E-09	5.46E-10	1.33E-11	5.59E-10
372	437197.54	3724923.52	3.88E-09	9.01E-11	3.97E-09	8.04E-10	1.93E-11	8.24E-10	4.17E-09	9.12E-11	4.26E-09	4.82E-10	9.58E-12	4.92E-10
373	437201.58	3724915.03	3.82E-09	8.76E-11	3.91E-09	7.91E-10	1.87E-11	8.10E-10	4.10E-09	8.82E-11	4.19E-09	4.74E-10	9.24E-12	4.83E-10
374	437205.63	3724906.53	3.77E-09	8.54E-11	3.85E-09	7.79E-10	1.81E-11	7.97E-10	4.04E-09	8.55E-11	4.13E-09	4.67E-10	8.94E-12	4.76E-10
375	437209.68	3724898.04	3.70E-09	8.31E-11	3.78E-09	7.66E-10	1.75E-11	7.83E-10	3.97E-09	8.28E-11	4.06E-09	4.58E-10	8.63E-12	4.67E-10
376	437115.57	3725472.89	5.57E-09	2.84E-10	5.85E-09	1.18E-09	7.50E-11	1.25E-09	5.99E-09	3.56E-10	6.35E-09	7.34E-10	4.03E-11	7.74E-10
377	437112.48	3725464.14	5.50E-09	2.79E-10	5.78E-09	1.16E-09	7.35E-11	1.24E-09	5.92E-09	3.48E-10	6.27E-09	7.25E-10	3.94E-11	7.64E-10
378	437109.39	3725455.39	5.43E-09	2.73E-10	5.70E-09	1.15E-09	7.19E-11	1.22E-09	5.84E-09	3.41E-10	6.18E-09	7.15E-10	3.86E-11	7.53E-10
379	437106.3	3725446.64	5.36E-09	2.68E-10	5.63E-09	1.13E-09	7.04E-11	1.20E-09	5.77E-09	3.34E-10	6.10E-09	7.05E-10	3.78E-11	7.43E-10
380	437103.21	3725437.89	5.30E-09	2.63E-10	5.56E-09	1.12E-09	6.91E-11	1.19E-09	5.71E-09	3.28E-10	6.03E-09	6.97E-10	3.70E-11	7.34E-10
381	437100.12	3725429.14	5.24E-09	2.58E-10	5.50E-09	1.11E-09	6.78E-11	1.18E-09	5.64E-09	3.21E-10	5.96E-09	6.89E-10	3.63E-11	7.25E-10
382	437097.03	3725420.39	5.18E-09	2.54E-10	5.44E-09	1.09E-09	6.65E-11	1.16E-09	5.58E-09	3.15E-10	5.89E-09	6.80E-10	3.56E-11	7.16E-10
383	437093.94	3725411.64	5.12E-09	2.49E-10	5.37E-09	1.08E-09	6.50E-11	1.15E-09	5.51E-09	3.08E-10	5.82E-09	6.71E-10	3.48E-11	7.06E-10
384	437081.58	3725376.64	4.83E-09	2.28E-10	5.05E-09	1.02E-09	5.93E-11	1.08E-09	5.19E-09	2.81E-10	5.47E-09	6.30E-10	3.17E-11	6.62E-10
385	437078.49	3725367.89	4.75E-09	2.22E-10	4.97E-09	1.00E-09	5.77E-11	1.06E-09	5.11E-09	2.74E-10	5.38E-09	6.19E-10	3.08E-11	6.50E-10
386	437075.4	3725359.13	4.67E-09	2.17E-10	4.88E-09	9.83E-10	5.63E-11	1.04E-09	5.02E-09	2.67E-10	5.29E-09	6.08E-10	3.00E-11	6.38E-10

387	437072.31	3725350.38	4.60E-09	2.12E-10	4.81E-09	9.68E-10	5.50E-11	1.02E-09	4.95E-09	2.61E-10	5.21E-09	5.99E-10	2.93E-11	6.28E-10
388	437069.22	3725341.63	4.53E-09	2.08E-10	4.74E-09	9.54E-10	5.37E-11	1.01E-09	4.87E-09	2.55E-10	5.13E-09	5.89E-10	2.87E-11	6.18E-10
389	437066.13	3725332.88	4.46E-09	2.03E-10	4.66E-09	9.39E-10	5.25E-11	9.91E-10	4.80E-09	2.49E-10	5.05E-09	5.80E-10	2.80E-11	6.08E-10
390	437063.04	3725324.13	4.39E-09	1.98E-10	4.59E-09	9.24E-10	5.12E-11	9.75E-10	4.72E-09	2.43E-10	4.96E-09	5.70E-10	2.73E-11	5.98E-10
391	437059.95	3725315.38	4.32E-09	1.94E-10	4.51E-09	9.08E-10	5.00E-11	9.58E-10	4.65E-09	2.37E-10	4.88E-09	5.61E-10	2.66E-11	5.87E-10
392	437056.86	3725306.63	4.25E-09	1.89E-10	4.44E-09	8.93E-10	4.87E-11	9.42E-10	4.57E-09	2.31E-10	4.80E-09	5.51E-10	2.59E-11	5.77E-10
393	437053.77	3725297.88	4.18E-09	1.85E-10	4.37E-09	8.79E-10	4.75E-11	9.26E-10	4.50E-09	2.25E-10	4.72E-09	5.42E-10	2.53E-11	5.67E-10
394	437050.68	3725289.13	4.11E-09	1.81E-10	4.30E-09	8.65E-10	4.64E-11	9.11E-10	4.43E-09	2.20E-10	4.65E-09	5.33E-10	2.47E-11	5.57E-10
395	437047.59	3725280.38	4.05E-09	1.76E-10	4.23E-09	8.51E-10	4.52E-11	8.96E-10	4.36E-09	2.14E-10	4.57E-09	5.24E-10	2.40E-11	5.48E-10
396	437044.5	3725271.63	3.99E-09	1.72E-10	4.16E-09	8.38E-10	4.41E-11	8.82E-10	4.29E-09	2.09E-10	4.50E-09	5.16E-10	2.34E-11	5.39E-10
397	437041.41	3725262.88	3.93E-09	1.69E-10	4.09E-09	8.24E-10	4.30E-11	8.67E-10	4.22E-09	2.04E-10	4.43E-09	5.07E-10	2.29E-11	5.30E-10
398	437032.14	3725236.63	3.74E-09	1.57E-10	3.90E-09	7.84E-10	3.99E-11	8.24E-10	4.02E-09	1.89E-10	4.21E-09	4.82E-10	2.12E-11	5.03E-10
399	437029.05	3725227.88	3.68E-09	1.53E-10	3.83E-09	7.71E-10	3.89E-11	8.10E-10	3.96E-09	1.84E-10	4.14E-09	4.73E-10	2.06E-11	4.94E-10
400	437029.95	3725210.75	3.65E-09	1.50E-10	3.80E-09	7.65E-10	3.79E-11	8.03E-10	3.93E-09	1.80E-10	4.11E-09	4.69E-10	2.01E-11	4.89E-10
401	437033.94	3725202.37	3.68E-09	1.50E-10	3.83E-09	7.72E-10	3.78E-11	8.09E-10	3.96E-09	1.79E-10	4.14E-09	4.73E-10	2.00E-11	4.93E-10
402	437037.93	3725194	3.71E-09	1.50E-10	3.86E-09	7.78E-10	3.77E-11	8.15E-10	3.99E-09	1.79E-10	4.17E-09	4.77E-10	1.99E-11	4.96E-10
403	437041.92	3725185.62	3.74E-09	1.49E-10	3.89E-09	7.83E-10	3.76E-11	8.21E-10	4.02E-09	1.78E-10	4.20E-09	4.80E-10	1.98E-11	5.00E-10
404	437045.92	3725177.24	3.77E-09	1.49E-10	3.91E-09	7.89E-10	3.73E-11	8.26E-10	4.05E-09	1.77E-10	4.23E-09	4.83E-10	1.97E-11	5.03E-10
405	437085.84	3725093.47	3.96E-09	1.36E-10	4.10E-09	8.27E-10	3.31E-11	8.60E-10	4.26E-09	1.57E-10	4.42E-09	5.03E-10	1.73E-11	5.20E-10
406	437089.83	3725085.09	3.97E-09	1.34E-10	4.11E-09	8.29E-10	3.25E-11	8.62E-10	4.27E-09	1.54E-10	4.43E-09	5.04E-10	1.69E-11	5.21E-10
407	437093.82	3725076.71	3.98E-09	1.32E-10	4.12E-09	8.31E-10	3.19E-11	8.63E-10	4.28E-09	1.51E-10	4.43E-09	5.05E-10	1.66E-11	5.21E-10
408	437097.81	3725068.33	3.99E-09	1.30E-10	4.12E-09	8.32E-10	3.13E-11	8.64E-10	4.29E-09	1.48E-10	4.44E-09	5.05E-10	1.62E-11	5.22E-10
409	437101.81	3725059.96	4.00E-09	1.28E-10	4.13E-09	8.34E-10	3.06E-11	8.64E-10	4.30E-09	1.45E-10	4.44E-09	5.06E-10	1.59E-11	5.22E-10
410	437105.8	3725051.58	4.00E-09	1.26E-10	4.13E-09	8.34E-10	3.00E-11	8.64E-10	4.30E-09	1.42E-10	4.45E-09	5.06E-10	1.55E-11	5.21E-10
411	437109.79	3725043.2	4.01E-09	1.24E-10	4.13E-09	8.34E-10	2.93E-11	8.64E-10	4.31E-09	1.39E-10	4.44E-09	5.05E-10	1.51E-11	5.21E-10
412	437113.78	3725034.83	4.01E-09	1.22E-10	4.13E-09	8.34E-10	2.86E-11	8.62E-10	4.30E-09	1.35E-10	4.44E-09	5.05E-10	1.48E-11	5.20E-10
413	437117.78	3725026.45	4.00E-09	1.19E-10	4.12E-09	8.33E-10	2.80E-11	8.61E-10	4.30E-09	1.32E-10	4.43E-09	5.04E-10	1.44E-11	5.18E-10
414	437121.77	3725018.07	4.00E-09	1.17E-10	4.11E-09	8.31E-10	2.73E-11	8.59E-10	4.29E-09	1.29E-10	4.42E-09	5.03E-10	1.40E-11	5.17E-10
415	437125.76	3725009.69	3.99E-09	1.15E-10	4.10E-09	8.29E-10	2.66E-11	8.56E-10	4.29E-09	1.26E-10	4.41E-09	5.01E-10	1.36E-11	5.15E-10
416	437129.75	3725001.32	3.98E-09	1.12E-10	4.09E-09	8.26E-10	2.59E-11	8.52E-10	4.27E-09	1.22E-10	4.39E-09	4.99E-10	1.32E-11	5.12E-10
417	437133.74	3724992.94	3.96E-09	1.10E-10	4.07E-09	8.23E-10	2.52E-11	8.48E-10	4.26E-09	1.19E-10	4.38E-09	4.97E-10	1.29E-11	5.10E-10
418	437137.74	3724984.56	3.94E-09	1.08E-10	4.05E-09	8.19E-10	2.45E-11	8.43E-10	4.24E-09	1.16E-10	4.35E-09	4.94E-10	1.25E-11	5.06E-10
419	437141.73	3724976.18	3.92E-09	1.05E-10	4.03E-09	8.14E-10	2.39E-11	8.38E-10	4.21E-09	1.13E-10	4.33E-09	4.91E-10	1.21E-11	5.03E-10
420	437145.72	3724967.81	3.90E-09	1.03E-10	4.00E-09	8.09E-10	2.32E-11	8.32E-10	4.19E-09	1.10E-10	4.30E-09	4.87E-10	1.17E-11	4.99E-10
421	437177.66	3724900.79	3.56E-09	8.45E-11	3.64E-09	7.37E-10	1.82E-11	7.55E-10	3.82E-09	8.62E-11	3.91E-09	4.42E-10	9.07E-12	4.51E-10
422	437181.65	3724892.41	3.50E-09	8.23E-11	3.58E-09	7.24E-10	1.77E-11	7.42E-10	3.76E-09	8.35E-11	3.84E-09	4.34E-10	8.77E-12	4.42E-10
423	437185.64	3724884.03	3.44E-09	8.01E-11	3.52E-09	7.11E-10	1.71E-11	7.28E-10	3.69E-09	8.09E-11	3.77E-09	4.25E-10	8.48E-12	4.34E-10
424	437189.63	3724875.65	3.37E-09	7.79E-11	3.45E-09	6.97E-10	1.66E-11	7.13E-10	3.62E-09	7.83E-11	3.70E-09	4.17E-10	8.20E-12	4.25E-10
425	437086.57	3725474.03	4.83E-09	2.39E-10	5.07E-09	1.02E-09	6.27E-11	1.08E-09	5.20E-09	2.97E-10	5.50E-09	6.34E-10	3.36E-11	6.67E-10
426	437083.45	3725465.18	4.78E-09	2.35E-10	5.02E-09	1.01E-09	6.16E-11	1.07E-09	5.15E-09	2.92E-10	5.44E-09	6.27E-10	3.30E-11	6.60E-10
427	437080.32	3725456.34	4.73E-09	2.31E-10	4.97E-09	9.99E-10	6.05E-11	1.06E-09	5.09E-09	2.87E-10	5.38E-09	6.20E-10	3.24E-11	6.53E-10
428	437077.2	3725447.49	4.68E-09	2.28E-10	4.91E-09	9.88E-10	5.95E-11	1.05E-09	5.04E-09	2.82E-10	5.32E-09	6.13E-10	3.18E-11	6.45E-10
429	437074.08	3725438.65	4.62E-09	2.23E-10	4.85E-09	9.75E-10	5.83E-11	1.03E-09	4.98E-09	2.76E-10	5.25E-09	6.05E-10	3.12E-11	6.36E-10
430	437070.95	3725429.81	4.56E-09	2.19E-10	4.78E-09	9.62E-10	5.71E-11	1.02E-09	4.91E-09	2.70E-10	5.18E-09	5.96E-10	3.05E-11	6.27E-10
431	437067.83	3725420.96	4.50E-09	2.14E-10	4.72E-09	9.49E-10	5.59E-11	1.00E-09	4.84E-09	2.65E-10	5.11E-09	5.88E-10	2.99E-11	6.18E-10
432	437064.71	3725412.12	4.44E-09	2.10E-10	4.65E-09	9.36E-10	5.47E-11	9.91E-10	4.78E-09	2.59E-10	5.04E-09	5.80E-10	2.92E-11	6.09E-10
433	437055.34	3725385.59	4.26E-09	1.98E-10	4.46E-09	8.98E-10	5.14E-11	9.49E-10	4.59E-09	2.43E-10	4.83E-09	5.55E-10	2.74E-11	5.83E-10
434	437052.21	3725376.74	4.21E-09	1.94E-10	4.40E-09	8.85E-10	5.03E-11	9.36E-10	4.52E-09	2.38E-10	4.76E-09	5.47E-10	2.68E-11	5.74E-10
435	437049.09	3725367.9	4.15E-09	1.90E-10	4.34E-09	8.73E-10	4.93E-11	9.23E-10	4.46E-09	2.34E-10	4.70E-09	5.39E-10	2.63E-11	5.66E-10
436	437045.97	3725359.05	4.10E-09	1.87E-10	4.28E-09	8.62E-10	4.83E-11	9.10E-10	4.41E-09	2.29E-10	4.64E-09	5.32E-10	2.57E-11	5.58E-10
437	437042.85	3725350.21	4.04E-09	1.83E-10	4.23E-09	8.51E-10	4.73E-11	8.98E-10	4.35E-09	2.24E-10	4.57E-09	5.25E-10	2.52E-11	5.50E-10
438	437039.72	3725341.37	3.99E-09	1.80E-10	4.17E-09	8.39E-10	4.64E-11	8.86E-10	4.29E-09	2.20E-10	4.51E-09	5.18E-10	2.47E-11	5.42E-10
439	437036.6	3725332.52	3.94E-09	1.77E-10	4.12E-09	8.28E-10	4.55E-11	8.74E-10	4.24E-09	2.15E-10	4.45E-09	5.11E-10	2.42E-11	5.35E-10
440	437024.11	3725297.15	3.74E-09	1.63E-10	3.90E-09	7.84E-10	4.18E-11	8.26E-10	4.02E-09	1.98E-10	4.21E-09	4.82E-10	2.22E-11	5.05E-10
441	437020.98	3725288.3	3.68E-09	1.60E-10	3.84E-09	7.73E-10	4.10E-11	8.14E-10	3.96E-09	1.94E-10	4.16E-09	4.76E-10	2.18E-11	4.97E-10
442	437017.86	3725279.46	3.63E-09	1.57E-10	3.79E-09	7.62E-10	4.01E-11	8.02E-10	3.90E-09	1.90E-10	4.09E-09	4.68E-10	2.13E-11	4.90E-10
443	437014.74	3725270.61	3.58E-09	1.54E-10	3.73E-09	7.50E-10	3.92E-11	7.90E-10	3.85E-09	1.86E-10	4.03E-09	4.61E-10	2.08E-11	4.82E-10
444	437011.61	3725261.77	3.52E-09	1.51E-10	3.67E-09	7.39E-10	3.84E-11	7.77E-10	3.79E-09	1.82E-10	3.97E-09	4.54E-10	2.03E-11	4.74E-10
445	437002.24	3725235.24	3.36E-09	1.41E-10	3.50E-09	7.05E-10	3.57E-11	7.40E-10	3.62E-09	1.69E-10	3.78E-09	4.32E-10	1.89E-11	4.51E-10
446	436999.12	3725226.39	3.32E-09	1.38E-10	3.46E-09	6.95E-10	3.50E-11	7.30E-10	3.57E-09	1.66E-10	3.73E-09	4.26E-10	1.85E-11	4.45E-10
447	437000.03	3725209.08	3.30E-09	1.36E-10	3.44E-09	6.91E-10	3.43E-11	7.25E-10	3.55E-09	1.62E-10	3.71E-09	4.23E-10	1.81E-11	4.41E-10
448	437004.07	3725200.62	3.33E-09	1.36E-10	3.46E-09	6.97E-10	3.43E-11	7.31E-10	3.58E-09	1.62E-10	3.74E-09	4.27E-10	1.81E-11	4.45E-10
449	437008.1	3725192.15	3.35E-09	1.36E-10	3.49E-09	7.02E-10	3.42E-11	7.37E-10	3.61E-09	1.62E-10	3.77E-09	4.30E-10	1.81E-11	4.48E-10
450	437012.14	3725183.68	3.38E-09	1.36E-10	3.52E-09	7.08E-10	3.42E-11	7.42E-10	3.63E-09	1.62E-10	3.80E-09	4.33E-10	1.80E-11	4.51E-10
451	437048.45	3725107.48	3.52E-09	1.28E-10	3.65E-09	7.34E-10	3.16E-11	7.65E-10	3.78E-09	1.50E-10	3.93E-09	4.47E-10	1.66E-11	4.63E-10
452	437052.49	3725099.01	3.53E-09	1.27E-10	3.66E-09	7.36E-10	3.12E-11	7.67E-10	3.79E-09	1.48E-10	3.94E-09	4.48E-10	1.63E-11	4.64E-10
453	437056.52	3725090.55	3.54E-09	1.26E-10	3.67E-09	7.39E-10	3.08E-11	7.70E-10	3.81E-09	1.46E-10	3.95E-09	4.49E-10	1.61E-11	4.65E-10
454	437060.56	3725082.08	3.57E-09	1.25E-10	3.70E-09	7.45E-10	3.04E-11	7.75E-10	3.84E-09	1.44E-10	3.98E-09	4.52E-10	1.59E-11	4.68E-10
455	437064.59	3725073.61	3.59E-09	1.24E-10	3.72E-09	7.49E-10	3.00E-11	7.79E-10	3.86E-09	1.42E-10	4.00E-09	4.55E-10	1.56E-11	4.70E-10
456	437068.62	3725065.14	3.61E-09	1.22E-10	3.73E-09	7.52E-10	2.95E-11	7.81E-10	3.88E-09	1.40E-10	4.02E-09	4.56E-10	1.54E-11	4.72E-10
457	437072.66	3725056.68	3.62E-09	1.20E-10	3.74E-09	7.54E-10	2.90E-11	7.83E-10	3.89E-09	1.37E-10	4.03E-09	4.57E-10	1.51E-11	4.72E-10
458	437076.69	3725048.21	3.64E-09	1.19E-10	3.75E-09	7.57E-10	2.85E-11	7.86E-10	3.91E-09	1.35E-10	4.04E-09	4.59E-10	1.48E-11	4.74E-10
459	437080.73	3725039.74	3.65E-09	1.17E-10	3.76E-09	7.59E-10	2.79E-11	7.87E-10	3.92E-09	1.32E-10	4.05E-09	4.60E-10	1.45E-11	4.75E-10
460	437084.76	3725031.28	3.65E-09	1.15E-10	3.77E-09	7.60E-10	2.74E-11	7.87E-10	3.92E-09	1.30E-10	4.05E-09	4.60E-10	1.42E-11	4.74E-10
461	437088.8	3725022.81	3.65E-09	1.13E-10	3.76E-09	7.60E-10	2.68E-11	7.86E-10	3.92E-09	1.27E-10	4.05E-09	4.60E-10	1.38E-11	4.73E-10
462	437092.83	3725014.34	3.65E-09	1.11E-10	3.76E-09	7.59E-10	2.62E-11	7.85E-10	3.92E-09	1.24E-10	4.04E-09	4.59E-10	1.35E-11	4.72E-10
463	437096.87	3725005.88	3.65E-09	1.09E-10	3.75E-09	7.58E-10	2.56E-11	7.83E-10	3.92E-09	1.21E-10	4.04E-09	4.58E-10	1.32E-11	4.71E-10
464	437100.9	3724997.41	3.64E-09	1.07E-10	3.75E-09	7.56E-10	2.50E-11	7.81E-10	3.91E-09	1.18E-10	4.03E-09	4.57E-10	1.28E-11	4.70E-10

465	437104.94	3724988.94	3.63E-09	1.05E-10	3.73E-09	7.54E-10	2.44E-11	7.78E-10	3.90E-09	1.16E-10	4.01E-09	4.55E-10	1.25E-11	4.67E-10
466	437108.97	3724980.47	3.62E-09	1.03E-10	3.72E-09	7.51E-10	2.38E-11	7.75E-10	3.88E-09	1.13E-10	4.00E-09	4.53E-10	1.22E-11	4.65E-10
467	437113.01	3724972.01	3.60E-09	1.01E-10	3.70E-09	7.47E-10	2.32E-11	7.71E-10	3.87E-09	1.10E-10	3.98E-09	4.51E-10	1.18E-11	4.62E-10
468	437117.04	3724963.54	3.58E-09	9.91E-11	3.68E-09	7.43E-10	2.26E-11	7.66E-10	3.85E-09	1.07E-10	3.95E-09	4.48E-10	1.15E-11	4.59E-10
469	437121.08	3724955.07	3.56E-09	9.70E-11	3.66E-09	7.39E-10	2.20E-11	7.61E-10	3.82E-09	1.04E-10	3.93E-09	4.45E-10	1.12E-11	4.56E-10
470	437125.11	3724946.61	3.54E-09	9.49E-11	3.63E-09	7.33E-10	2.14E-11	7.55E-10	3.80E-09	1.01E-10	3.90E-09	4.41E-10	1.09E-11	4.52E-10
471	437129.15	3724938.14	3.51E-09	9.28E-11	3.60E-09	7.28E-10	2.09E-11	7.48E-10	3.77E-09	9.86E-11	3.87E-09	4.38E-10	1.06E-11	4.48E-10
472	437161.43	3724870.4	3.19E-09	7.64E-11	3.26E-09	6.59E-10	1.65E-11	6.75E-10	3.42E-09	7.80E-11	3.50E-09	3.94E-10	8.21E-12	4.03E-10
473	437165.46	3724861.94	3.13E-09	7.45E-11	3.21E-09	6.47E-10	1.60E-11	6.64E-10	3.36E-09	7.56E-11	3.44E-09	3.87E-10	7.95E-12	3.95E-10
474	437169.5	3724853.47	3.08E-09	7.25E-11	3.15E-09	6.36E-10	1.55E-11	6.51E-10	3.30E-09	7.34E-11	3.38E-09	3.80E-10	7.70E-12	3.88E-10
475	437003.07	3725320.85	3.44E-09	1.51E-10	3.59E-09	7.23E-10	3.87E-11	7.61E-10	3.70E-09	1.83E-10	3.89E-09	4.44E-10	2.06E-11	4.65E-10
476	436999.99	3725312.11	3.40E-09	1.49E-10	3.55E-09	7.14E-10	3.80E-11	7.52E-10	3.66E-09	1.80E-10	3.84E-09	4.39E-10	2.02E-11	4.59E-10
477	436996.9	3725303.37	3.36E-09	1.46E-10	3.50E-09	7.05E-10	3.73E-11	7.42E-10	3.61E-09	1.77E-10	3.79E-09	4.33E-10	1.98E-11	4.53E-10
478	436993.82	3725294.63	3.32E-09	1.43E-10	3.46E-09	6.96E-10	3.66E-11	7.32E-10	3.57E-09	1.73E-10	3.74E-09	4.27E-10	1.94E-11	4.47E-10
479	436990.73	3725285.89	3.28E-09	1.41E-10	3.42E-09	6.87E-10	3.59E-11	7.23E-10	3.52E-09	1.70E-10	3.69E-09	4.22E-10	1.91E-11	4.41E-10
480	436987.64	3725277.15	3.23E-09	1.38E-10	3.37E-09	6.77E-10	3.52E-11	7.13E-10	3.47E-09	1.67E-10	3.64E-09	4.16E-10	1.87E-11	4.35E-10
481	436984.56	3725268.41	3.19E-09	1.36E-10	3.32E-09	6.68E-10	3.45E-11	7.02E-10	3.42E-09	1.64E-10	3.59E-09	4.10E-10	1.83E-11	4.28E-10
482	436972.21	3725233.45	3.02E-09	1.26E-10	3.14E-09	6.32E-10	3.19E-11	6.64E-10	3.24E-09	1.51E-10	3.39E-09	3.87E-10	1.69E-11	4.04E-10
483	436969.13	3725224.71	2.99E-09	1.24E-10	3.11E-09	6.25E-10	3.14E-11	6.57E-10	3.21E-09	1.49E-10	3.36E-09	3.83E-10	1.66E-11	4.00E-10
484	436970.03	3725207.61	3.00E-09	1.23E-10	3.13E-09	6.28E-10	3.11E-11	6.59E-10	3.23E-09	1.47E-10	3.37E-09	3.84E-10	1.65E-11	4.01E-10
485	436974.01	3725199.24	3.03E-09	1.24E-10	3.15E-09	6.33E-10	3.12E-11	6.64E-10	3.25E-09	1.48E-10	3.40E-09	3.87E-10	1.65E-11	4.04E-10
486	436978	3725190.87	3.05E-09	1.24E-10	3.17E-09	6.38E-10	3.12E-11	6.69E-10	3.28E-09	1.48E-10	3.43E-09	3.90E-10	1.65E-11	4.07E-10
487	436981.99	3725182.51	3.07E-09	1.24E-10	3.20E-09	6.43E-10	3.12E-11	6.74E-10	3.30E-09	1.48E-10	3.45E-09	3.93E-10	1.65E-11	4.10E-10
488	437009.9	3725123.94	3.14E-09	1.20E-10	3.26E-09	6.56E-10	2.97E-11	6.86E-10	3.38E-09	1.41E-10	3.52E-09	4.00E-10	1.56E-11	4.16E-10
489	437013.88	3725115.57	3.14E-09	1.19E-10	3.26E-09	6.56E-10	2.94E-11	6.85E-10	3.38E-09	1.39E-10	3.52E-09	4.00E-10	1.54E-11	4.15E-10
490	437017.87	3725107.2	3.15E-09	1.18E-10	3.27E-09	6.57E-10	2.91E-11	6.86E-10	3.38E-09	1.38E-10	3.52E-09	4.00E-10	1.52E-11	4.15E-10
491	437021.86	3725098.84	3.16E-09	1.17E-10	3.28E-09	6.59E-10	2.87E-11	6.88E-10	3.39E-09	1.36E-10	3.53E-09	4.01E-10	1.51E-11	4.16E-10
492	437025.85	3725090.47	3.17E-09	1.16E-10	3.29E-09	6.61E-10	2.84E-11	6.90E-10	3.41E-09	1.35E-10	3.54E-09	4.02E-10	1.49E-11	4.17E-10
493	437029.83	3725082.1	3.19E-09	1.15E-10	3.30E-09	6.65E-10	2.81E-11	6.93E-10	3.43E-09	1.33E-10	3.56E-09	4.04E-10	1.47E-11	4.19E-10
494	437033.82	3725073.73	3.21E-09	1.14E-10	3.33E-09	6.70E-10	2.79E-11	6.98E-10	3.45E-09	1.32E-10	3.58E-09	4.07E-10	1.46E-11	4.21E-10
495	437037.81	3725065.37	3.24E-09	1.13E-10	3.35E-09	6.75E-10	2.76E-11	7.02E-10	3.48E-09	1.31E-10	3.61E-09	4.09E-10	1.44E-11	4.24E-10
496	437041.79	3725057	3.26E-09	1.13E-10	3.38E-09	6.80E-10	2.73E-11	7.07E-10	3.51E-09	1.29E-10	3.64E-09	4.12E-10	1.42E-11	4.26E-10
497	437045.78	3725048.63	3.30E-09	1.12E-10	3.41E-09	6.87E-10	2.71E-11	7.14E-10	3.54E-09	1.28E-10	3.67E-09	4.16E-10	1.41E-11	4.30E-10
498	437049.77	3725040.27	3.32E-09	1.11E-10	3.43E-09	6.90E-10	2.67E-11	7.17E-10	3.56E-09	1.27E-10	3.69E-09	4.18E-10	1.39E-11	4.32E-10
499	437053.76	3725031.9	3.33E-09	1.10E-10	3.44E-09	6.93E-10	2.63E-11	7.19E-10	3.58E-09	1.24E-10	3.70E-09	4.19E-10	1.36E-11	4.33E-10
500	437057.74	3725023.53	3.34E-09	1.08E-10	3.45E-09	6.95E-10	2.58E-11	7.20E-10	3.59E-09	1.22E-10	3.71E-09	4.20E-10	1.34E-11	4.34E-10
501	437061.73	3725015.17	3.34E-09	1.07E-10	3.45E-09	6.95E-10	2.54E-11	7.21E-10	3.59E-09	1.20E-10	3.71E-09	4.21E-10	1.31E-11	4.34E-10
502	437065.72	3725006.8	3.35E-09	1.05E-10	3.45E-09	6.96E-10	2.49E-11	7.20E-10	3.59E-09	1.18E-10	3.71E-09	4.21E-10	1.29E-11	4.33E-10
503	437069.71	3724998.43	3.34E-09	1.03E-10	3.45E-09	6.95E-10	2.44E-11	7.19E-10	3.59E-09	1.15E-10	3.71E-09	4.20E-10	1.26E-11	4.33E-10
504	437073.69	3724990.07	3.34E-09	1.02E-10	3.44E-09	6.94E-10	2.39E-11	7.18E-10	3.59E-09	1.13E-10	3.70E-09	4.19E-10	1.23E-11	4.31E-10
505	437077.68	3724981.7	3.33E-09	1.00E-10	3.43E-09	6.92E-10	2.34E-11	7.16E-10	3.58E-09	1.11E-10	3.69E-09	4.18E-10	1.20E-11	4.30E-10
506	437081.67	3724973.33	3.32E-09	9.83E-11	3.42E-09	6.90E-10	2.29E-11	7.13E-10	3.57E-09	1.08E-10	3.68E-09	4.16E-10	1.17E-11	4.28E-10
507	437085.65	3724964.96	3.31E-09	9.65E-11	3.41E-09	6.88E-10	2.24E-11	7.10E-10	3.56E-09	1.06E-10	3.66E-09	4.15E-10	1.14E-11	4.26E-10
508	437089.64	3724956.6	3.30E-09	9.47E-11	3.39E-09	6.85E-10	2.18E-11	7.07E-10	3.54E-09	1.03E-10	3.65E-09	4.13E-10	1.12E-11	4.24E-10
509	437093.63	3724948.23	3.28E-09	9.29E-11	3.38E-09	6.81E-10	2.13E-11	7.03E-10	3.53E-09	1.01E-10	3.63E-09	4.10E-10	1.09E-11	4.21E-10
510	437097.62	3724939.86	3.27E-09	9.11E-11	3.36E-09	6.77E-10	2.08E-11	6.98E-10	3.51E-09	9.83E-11	3.61E-09	4.08E-10	1.06E-11	4.18E-10
511	437101.6	3724931.5	3.25E-09	8.92E-11	3.33E-09	6.73E-10	2.03E-11	6.93E-10	3.49E-09	9.59E-11	3.58E-09	4.05E-10	1.03E-11	4.15E-10
512	437105.59	3724923.13	3.22E-09	8.74E-11	3.31E-09	6.68E-10	1.98E-11	6.88E-10	3.46E-09	9.35E-11	3.55E-09	4.01E-10	1.00E-11	4.11E-10
513	437109.58	3724914.76	3.20E-09	8.55E-11	3.28E-09	6.62E-10	1.93E-11	6.82E-10	3.43E-09	9.10E-11	3.52E-09	3.98E-10	9.75E-12	4.08E-10
514	437137.49	3724856.19	2.95E-09	7.28E-11	3.02E-09	6.10E-10	1.59E-11	6.25E-10	3.17E-09	7.50E-11	3.24E-09	3.65E-10	7.93E-12	3.73E-10
515	437141.47	3724847.83	2.90E-09	7.11E-11	2.98E-09	6.00E-10	1.54E-11	6.16E-10	3.12E-09	7.29E-11	3.19E-09	3.59E-10	7.69E-12	3.67E-10
516	437145.46	3724839.46	2.86E-09	6.94E-11	2.93E-09	5.91E-10	1.50E-11	6.06E-10	3.07E-09	7.09E-11	3.14E-09	3.53E-10	7.46E-12	3.61E-10
517	437149.45	3724831.09	2.81E-09	6.77E-11	2.88E-09	5.81E-10	1.46E-11	5.95E-10	3.02E-09	6.88E-11	3.09E-09	3.47E-10	7.24E-12	3.54E-10
518	437032.68	3725487.94	3.83E-09	1.81E-10	4.01E-09	8.07E-10	4.71E-11	8.54E-10	4.12E-09	2.23E-10	4.34E-09	4.99E-10	2.51E-11	5.24E-10
519	437029.56	3725479.11	3.79E-09	1.78E-10	3.97E-09	7.97E-10	4.63E-11	8.44E-10	4.08E-09	2.19E-10	4.29E-09	4.93E-10	2.47E-11	5.18E-10
520	437026.45	3725470.29	3.74E-09	1.75E-10	3.92E-09	7.88E-10	4.54E-11	8.33E-10	4.03E-09	2.15E-10	4.24E-09	4.87E-10	2.43E-11	5.11E-10
521	437023.33	3725461.47	3.70E-09	1.72E-10	3.87E-09	7.78E-10	4.46E-11	8.23E-10	3.98E-09	2.11E-10	4.19E-09	4.80E-10	2.38E-11	5.04E-10
522	437020.22	3725452.64	3.65E-09	1.69E-10	3.82E-09	7.68E-10	4.38E-11	8.12E-10	3.93E-09	2.08E-10	4.14E-09	4.74E-10	2.34E-11	4.98E-10
523	437017.1	3725443.82	3.61E-09	1.66E-10	3.77E-09	7.59E-10	4.30E-11	8.02E-10	3.88E-09	2.04E-10	4.08E-09	4.68E-10	2.29E-11	4.91E-10
524	437013.98	3725434.99	3.57E-09	1.64E-10	3.73E-09	7.50E-10	4.23E-11	7.92E-10	3.84E-09	2.00E-10	4.04E-09	4.63E-10	2.25E-11	4.85E-10
525	437010.87	3725426.17	3.53E-09	1.61E-10	3.69E-09	7.42E-10	4.16E-11	7.83E-10	3.79E-09	1.97E-10	3.99E-09	4.57E-10	2.21E-11	4.79E-10
526	436998.4	3725390.87	3.37E-09	1.51E-10	3.52E-09	7.08E-10	3.89E-11	7.47E-10	3.63E-09	1.84E-10	3.81E-09	4.36E-10	2.07E-11	4.57E-10
527	436995.29	3725382.05	3.34E-09	1.49E-10	3.49E-09	7.00E-10	3.82E-11	7.39E-10	3.59E-09	1.81E-10	3.77E-09	4.31E-10	2.03E-11	4.51E-10
528	436992.17	3725373.23	3.30E-09	1.47E-10	3.45E-09	6.92E-10	3.76E-11	7.30E-10	3.55E-09	1.78E-10	3.72E-09	4.26E-10	2.00E-11	4.46E-10
529	436989.05	3725364.4	3.26E-09	1.44E-10	3.41E-09	6.84E-10	3.70E-11	7.21E-10	3.51E-09	1.75E-10	3.68E-09	4.21E-10	1.97E-11	4.41E-10
530	436985.94	3725355.58	3.23E-09	1.42E-10	3.37E-09	6.77E-10	3.64E-11	7.13E-10	3.47E-09	1.72E-10	3.64E-09	4.16E-10	1.93E-11	4.35E-10
531	436982.82	3725346.75	3.19E-09	1.40E-10	3.33E-09	6.69E-10	3.58E-11	7.05E-10	3.43E-09	1.70E-10	3.60E-09	4.11E-10	1.90E-11	4.30E-10
532	436979.71	3725337.93	3.16E-09	1.38E-10	3.29E-09	6.62E-10	3.53E-11	6.97E-10	3.39E-09	1.67E-10	3.56E-09	4.07E-10	1.87E-11	4.25E-10
533	436976.59	3725329.11	3.12E-09	1.36E-10	3.26E-09	6.55E-10	3.47E-11	6.90E-10	3.36E-09	1.65E-10	3.52E-09	4.02E-10	1.84E-11	4.21E-10
534	436973.47	3725320.28	3.09E-09	1.34E-10	3.22E-09	6.48E-10	3.42E-11	6.82E-10	3.32E-09	1.62E-10	3.48E-09	3.98E-10	1.81E-11	4.16E-10
535	436970.36	3725311.46	3.05E-09	1.32E-10	3.18E-09	6.40E-10	3.36E-11	6.73E-10	3.28E-09	1.59E-10	3.44E-09	3.93E-10	1.78E-11	4.10E-10
536	436967.24	3725302.63	3.01E-09	1.30E-10	3.14E-09	6.32E-10	3.30E-11	6.65E-10	3.24E-09	1.56E-10	3.40E-09	3.87E-10	1.75E-11	4.05E-10
537	436964.13	3725293.81	2.97E-09	1.27E-10	3.10E-09	6.23E-10	3.24E-11	6.56E-10	3.20E-09	1.53E-10	3.35E-09	3.82E-10	1.72E-11	3.99E-10
538	436961.01	3725284.99	2.93E-09	1.25E-10	3.06E-09	6.14E-10	3.18E-11	6.46E-10	3.15E-09	1.50E-10	3.30E-09	3.76E-10	1.68E-11	3.93E-10
539	436957.89	3725276.16	2.89E-09	1.23E-10	3.01E-09	6.05E-10	3.11E-11	6.36E-10	3.10E-09	1.47E-10	3.25E-09	3.71E-10	1.65E-11	3.87E-10
540	436954.78	3725267.34	2.85E-09	1.20E-10	2.97E-09	5.96E-10	3.05E-11	6.27E-10	3.06E-09	1.45E-10	3.20E-09	3.65E-10	1.62E-11	3.81E-10
541	436945.43	3725240.87	2.75E-09	1.15E-10	2.87E-09	5.76E-10	2.91E-11	6.05E-10	2.96E-09	1.38E-10	3.10E-09	3.53E-10	1.54E-11	3.68E-10
542	436942.31	3725232.04	2.72E-09	1.13E-10	2.84E-09	5.70E-10	2.86E-11	5.99E-10	2.93E-09	1.35E-10	3.06E-09	3.49E-10	1.51E-11	3.64E-10

543	436939.2	3725223.22	2.70E-09	1.12E-10	2.81E-09	5.65E-10	2.82E-11	5.93E-10	2.90E-09	1.34E-10	3.03E-09	3.45E-10	1.49E-11	3.60E-10
544	436940.11	3725205.95	2.71E-09	1.11E-10	2.83E-09	5.68E-10	2.80E-11	5.96E-10	2.92E-09	1.33E-10	3.05E-09	3.47E-10	1.48E-11	3.62E-10
545	436944.13	3725197.5	2.75E-09	1.12E-10	2.86E-09	5.74E-10	2.82E-11	6.02E-10	2.95E-09	1.34E-10	3.08E-09	3.51E-10	1.49E-11	3.66E-10
546	436948.16	3725189.05	2.78E-09	1.13E-10	2.89E-09	5.81E-10	2.84E-11	6.09E-10	2.99E-09	1.34E-10	3.12E-09	3.55E-10	1.50E-11	3.70E-10
547	436952.18	3725180.6	2.81E-09	1.13E-10	2.92E-09	5.88E-10	2.85E-11	6.16E-10	3.02E-09	1.35E-10	3.16E-09	3.59E-10	1.50E-11	3.74E-10
548	436988.41	3725104.57	2.89E-09	1.09E-10	3.00E-09	6.02E-10	2.70E-11	6.29E-10	3.10E-09	1.28E-10	3.23E-09	3.66E-10	1.42E-11	3.81E-10
549	436992.44	3725096.13	2.89E-09	1.08E-10	3.00E-09	6.03E-10	2.67E-11	6.30E-10	3.11E-09	1.26E-10	3.23E-09	3.67E-10	1.40E-11	3.81E-10
550	436996.47	3725087.68	2.90E-09	1.07E-10	3.00E-09	6.04E-10	2.64E-11	6.30E-10	3.11E-09	1.25E-10	3.24E-09	3.67E-10	1.38E-11	3.81E-10
551	437000.49	3725079.23	2.91E-09	1.07E-10	3.02E-09	6.06E-10	2.62E-11	6.32E-10	3.12E-09	1.24E-10	3.25E-09	3.68E-10	1.37E-11	3.82E-10
552	437004.52	3725070.78	2.92E-09	1.06E-10	3.03E-09	6.09E-10	2.60E-11	6.35E-10	3.14E-09	1.23E-10	3.26E-09	3.70E-10	1.36E-11	3.84E-10
553	437008.54	3725062.33	2.94E-09	1.05E-10	3.05E-09	6.13E-10	2.57E-11	6.39E-10	3.16E-09	1.22E-10	3.28E-09	3.72E-10	1.34E-11	3.85E-10
554	437012.57	3725053.89	2.97E-09	1.05E-10	3.07E-09	6.17E-10	2.55E-11	6.43E-10	3.19E-09	1.21E-10	3.31E-09	3.74E-10	1.33E-11	3.88E-10
555	437016.59	3725045.44	3.00E-09	1.04E-10	3.10E-09	6.24E-10	2.54E-11	6.49E-10	3.22E-09	1.20E-10	3.34E-09	3.78E-10	1.32E-11	3.91E-10
556	437020.62	3725036.99	3.03E-09	1.04E-10	3.13E-09	6.30E-10	2.52E-11	6.55E-10	3.25E-09	1.19E-10	3.37E-09	3.82E-10	1.31E-11	3.95E-10
557	437024.65	3725028.54	3.06E-09	1.04E-10	3.16E-09	6.36E-10	2.50E-11	6.61E-10	3.28E-09	1.18E-10	3.40E-09	3.85E-10	1.30E-11	3.98E-10
558	437028.67	3725020.1	3.06E-09	1.02E-10	3.17E-09	6.37E-10	2.46E-11	6.62E-10	3.29E-09	1.16E-10	3.41E-09	3.85E-10	1.28E-11	3.98E-10
559	437032.7	3725011.65	3.07E-09	1.01E-10	3.17E-09	6.38E-10	2.42E-11	6.62E-10	3.29E-09	1.15E-10	3.41E-09	3.86E-10	1.26E-11	3.98E-10
560	437036.72	3725003.2	3.07E-09	9.98E-11	3.17E-09	6.38E-10	2.38E-11	6.62E-10	3.30E-09	1.13E-10	3.41E-09	3.85E-10	1.23E-11	3.98E-10
561	437040.75	3724994.75	3.07E-09	9.84E-11	3.17E-09	6.37E-10	2.34E-11	6.61E-10	3.29E-09	1.11E-10	3.41E-09	3.85E-10	1.21E-11	3.97E-10
562	437044.77	3724986.3	3.06E-09	9.70E-11	3.16E-09	6.36E-10	2.30E-11	6.59E-10	3.29E-09	1.09E-10	3.40E-09	3.84E-10	1.18E-11	3.96E-10
563	437048.8	3724977.86	3.06E-09	9.55E-11	3.15E-09	6.35E-10	2.25E-11	6.57E-10	3.28E-09	1.06E-10	3.39E-09	3.83E-10	1.16E-11	3.95E-10
564	437052.83	3724969.41	3.05E-09	9.40E-11	3.15E-09	6.34E-10	2.21E-11	6.56E-10	3.28E-09	1.04E-10	3.38E-09	3.82E-10	1.14E-11	3.93E-10
565	437056.85	3724960.96	3.05E-09	9.25E-11	3.14E-09	6.32E-10	2.16E-11	6.54E-10	3.27E-09	1.02E-10	3.38E-09	3.81E-10	1.11E-11	3.92E-10
566	437060.88	3724952.51	3.04E-09	9.10E-11	3.13E-09	6.31E-10	2.12E-11	6.52E-10	3.27E-09	1.00E-10	3.37E-09	3.80E-10	1.09E-11	3.91E-10
567	437064.9	3724944.06	3.03E-09	8.94E-11	3.12E-09	6.29E-10	2.07E-11	6.50E-10	3.26E-09	9.80E-11	3.36E-09	3.79E-10	1.06E-11	3.89E-10
568	437068.93	3724935.62	3.02E-09	8.78E-11	3.11E-09	6.27E-10	2.03E-11	6.47E-10	3.25E-09	9.58E-11	3.34E-09	3.77E-10	1.04E-11	3.88E-10
569	437072.95	3724927.17	3.01E-09	8.62E-11	3.10E-09	6.24E-10	1.98E-11	6.44E-10	3.23E-09	9.37E-11	3.33E-09	3.75E-10	1.01E-11	3.86E-10
570	437076.98	3724918.72	3.00E-09	8.46E-11	3.08E-09	6.21E-10	1.94E-11	6.40E-10	3.22E-09	9.15E-11	3.31E-09	3.73E-10	9.86E-12	3.83E-10
571	437081.01	3724910.27	2.98E-09	8.30E-11	3.06E-09	6.17E-10	1.89E-11	6.36E-10	3.20E-09	8.93E-11	3.29E-09	3.71E-10	9.61E-12	3.80E-10
572	437085.03	3724901.83	2.96E-09	8.13E-11	3.04E-09	6.12E-10	1.84E-11	6.31E-10	3.17E-09	8.72E-11	3.26E-09	3.68E-10	9.36E-12	3.77E-10
573	437089.06	3724893.38	2.93E-09	7.97E-11	3.01E-09	6.07E-10	1.80E-11	6.25E-10	3.15E-09	8.50E-11	3.23E-09	3.65E-10	9.11E-12	3.74E-10
574	437093.08	3724884.93	2.91E-09	7.80E-11	2.99E-09	6.02E-10	1.75E-11	6.19E-10	3.12E-09	8.29E-11	3.20E-09	3.61E-10	8.87E-12	3.70E-10
575	437117.24	3724834.24	2.71E-09	6.81E-11	2.77E-09	5.59E-10	1.49E-11	5.74E-10	2.90E-09	7.05E-11	2.97E-09	3.34E-10	7.47E-12	3.42E-10
576	437121.26	3724825.8	2.67E-09	6.65E-11	2.73E-09	5.51E-10	1.45E-11	5.65E-10	2.86E-09	6.86E-11	2.93E-09	3.29E-10	7.25E-12	3.36E-10
577	437125.29	3724817.35	2.62E-09	6.49E-11	2.69E-09	5.42E-10	1.41E-11	5.56E-10	2.82E-09	6.67E-11	2.88E-09	3.24E-10	7.04E-12	3.31E-10
578	437129.31	3724808.9	2.58E-09	6.34E-11	2.65E-09	5.33E-10	1.37E-11	5.47E-10	2.77E-09	6.48E-11	2.84E-09	3.18E-10	6.83E-12	3.25E-10
579	436993.23	3725487.24	3.27E-09	1.50E-10	3.42E-09	6.86E-10	3.86E-11	7.25E-10	3.51E-09	1.83E-10	3.69E-09	4.23E-10	2.06E-11	4.43E-10
580	436990.1	3725478.37	3.23E-09	1.47E-10	3.37E-09	6.78E-10	3.79E-11	7.16E-10	3.47E-09	1.80E-10	3.65E-09	4.18E-10	2.02E-11	4.38E-10
581	436986.97	3725469.5	3.19E-09	1.45E-10	3.34E-09	6.70E-10	3.73E-11	7.07E-10	3.43E-09	1.77E-10	3.61E-09	4.13E-10	1.99E-11	4.32E-10
582	436983.83	3725460.63	3.16E-09	1.43E-10	3.30E-09	6.63E-10	3.67E-11	7.00E-10	3.39E-09	1.74E-10	3.57E-09	4.08E-10	1.95E-11	4.28E-10
583	436980.7	3725451.76	3.12E-09	1.41E-10	3.26E-09	6.56E-10	3.62E-11	6.92E-10	3.36E-09	1.71E-10	3.53E-09	4.04E-10	1.92E-11	4.23E-10
584	436977.57	3725442.89	3.09E-09	1.39E-10	3.23E-09	6.49E-10	3.56E-11	6.85E-10	3.32E-09	1.69E-10	3.49E-09	3.99E-10	1.89E-11	4.18E-10
585	436974.44	3725434.02	3.06E-09	1.37E-10	3.20E-09	6.43E-10	3.51E-11	6.78E-10	3.29E-09	1.66E-10	3.46E-09	3.95E-10	1.87E-11	4.14E-10
586	436965.04	3725407.41	2.98E-09	1.31E-10	3.11E-09	6.24E-10	3.36E-11	6.58E-10	3.20E-09	1.59E-10	3.36E-09	3.83E-10	1.79E-11	4.01E-10
587	436961.91	3725398.54	2.95E-09	1.29E-10	3.08E-09	6.18E-10	3.31E-11	6.51E-10	3.17E-09	1.57E-10	3.32E-09	3.79E-10	1.76E-11	3.97E-10
588	436946.25	3725354.2	2.81E-09	1.21E-10	2.93E-09	5.88E-10	3.09E-11	6.19E-10	3.02E-09	1.46E-10	3.16E-09	3.61E-10	1.64E-11	3.77E-10
589	436943.12	3725345.33	2.78E-09	1.20E-10	2.90E-09	5.83E-10	3.05E-11	6.13E-10	2.99E-09	1.45E-10	3.14E-09	3.57E-10	1.62E-11	3.73E-10
590	436939.98	3725336.46	2.76E-09	1.18E-10	2.88E-09	5.77E-10	3.01E-11	6.07E-10	2.96E-09	1.43E-10	3.11E-09	3.54E-10	1.60E-11	3.70E-10
591	436936.85	3725327.59	2.73E-09	1.17E-10	2.85E-09	5.72E-10	2.97E-11	6.01E-10	2.93E-09	1.41E-10	3.08E-09	3.50E-10	1.57E-11	3.66E-10
592	436933.72	3725318.72	2.70E-09	1.15E-10	2.82E-09	5.65E-10	2.92E-11	5.95E-10	2.90E-09	1.39E-10	3.04E-09	3.46E-10	1.55E-11	3.62E-10
593	436930.59	3725309.85	2.67E-09	1.13E-10	2.78E-09	5.59E-10	2.88E-11	5.87E-10	2.87E-09	1.36E-10	3.00E-09	3.42E-10	1.52E-11	3.57E-10
594	436927.46	3725300.98	2.64E-09	1.12E-10	2.75E-09	5.52E-10	2.83E-11	5.80E-10	2.83E-09	1.34E-10	2.97E-09	3.38E-10	1.50E-11	3.53E-10
595	436924.32	3725292.11	2.60E-09	1.10E-10	2.71E-09	5.45E-10	2.79E-11	5.73E-10	2.80E-09	1.32E-10	2.93E-09	3.34E-10	1.47E-11	3.48E-10
596	436921.19	3725283.24	2.57E-09	1.08E-10	2.68E-09	5.38E-10	2.74E-11	5.65E-10	2.76E-09	1.30E-10	2.89E-09	3.29E-10	1.45E-11	3.44E-10
597	436918.06	3725274.38	2.54E-09	1.06E-10	2.65E-09	5.31E-10	2.69E-11	5.58E-10	2.73E-09	1.28E-10	2.86E-09	3.25E-10	1.43E-11	3.39E-10
598	436914.93	3725265.51	2.51E-09	1.05E-10	2.61E-09	5.25E-10	2.65E-11	5.51E-10	2.70E-09	1.26E-10	2.82E-09	3.21E-10	1.40E-11	3.35E-10
599	436905.53	3725238.9	2.44E-09	1.01E-10	2.54E-09	5.10E-10	2.54E-11	5.35E-10	2.62E-09	1.21E-10	2.74E-09	3.11E-10	1.34E-11	3.25E-10
600	436902.4	3725230.03	2.42E-09	9.96E-11	2.52E-09	5.05E-10	2.51E-11	5.30E-10	2.60E-09	1.19E-10	2.72E-09	3.09E-10	1.33E-11	3.22E-10
601	436899.27	3725221.16	2.40E-09	9.84E-11	2.49E-09	5.01E-10	2.48E-11	5.25E-10	2.57E-09	1.17E-10	2.69E-09	3.06E-10	1.31E-11	3.19E-10
602	436900.18	3725203.8	2.40E-09	9.79E-11	2.50E-09	5.02E-10	2.46E-11	5.26E-10	2.58E-09	1.17E-10	2.70E-09	3.06E-10	1.30E-11	3.19E-10
603	436904.23	3725195.31	2.43E-09	9.86E-11	2.52E-09	5.07E-10	2.48E-11	5.31E-10	2.61E-09	1.17E-10	2.72E-09	3.09E-10	1.31E-11	3.22E-10
604	436908.27	3725186.82	2.45E-09	9.92E-11	2.55E-09	5.12E-10	2.49E-11	5.37E-10	2.63E-09	1.18E-10	2.75E-09	3.12E-10	1.32E-11	3.25E-10
605	436912.32	3725178.33	2.47E-09	9.98E-11	2.57E-09	5.17E-10	2.51E-11	5.42E-10	2.66E-09	1.19E-10	2.78E-09	3.15E-10	1.32E-11	3.28E-10
606	436948.74	3725101.91	2.58E-09	9.85E-11	2.67E-09	5.37E-10	2.44E-11	5.62E-10	2.77E-09	1.16E-10	2.88E-09	3.27E-10	1.28E-11	3.40E-10
607	436952.78	3725093.42	2.59E-09	9.81E-11	2.69E-09	5.39E-10	2.43E-11	5.64E-10	2.78E-09	1.15E-10	2.89E-09	3.28E-10	1.27E-11	3.41E-10
608	436956.83	3725084.92	2.60E-09	9.77E-11	2.70E-09	5.41E-10	2.41E-11	5.66E-10	2.79E-09	1.14E-10	2.90E-09	3.29E-10	1.27E-11	3.42E-10
609	436960.88	3725076.43	2.60E-09	9.70E-11	2.70E-09	5.42E-10	2.39E-11	5.66E-10	2.80E-09	1.13E-10	2.91E-09	3.29E-10	1.25E-11	3.42E-10
610	436964.92	3725067.94	2.61E-09	9.63E-11	2.70E-09	5.43E-10	2.37E-11	5.67E-10	2.80E-09	1.12E-10	2.91E-09	3.30E-10	1.24E-11	3.42E-10
611	436968.97	3725059.45	2.61E-09	9.56E-11	2.71E-09	5.44E-10	2.34E-11	5.67E-10	2.81E-09	1.11E-10	2.92E-09	3.30E-10	1.23E-11	3.42E-10
612	436973.02	3725050.96	2.63E-09	9.51E-11	2.72E-09	5.47E-10	2.33E-11	5.70E-10	2.82E-09	1.10E-10	2.93E-09	3.32E-10	1.22E-11	3.44E-10
613	436977.06	3725042.47	2.65E-09	9.49E-11	2.74E-09	5.51E-10	2.32E-11	5.75E-10	2.85E-09	1.10E-10	2.96E-09	3.34E-10	1.21E-11	3.46E-10
614	436981.11	3725033.98	2.67E-09	9.47E-11	2.77E-09	5.56E-10	2.30E-11	5.79E-10	2.87E-09	1.09E-10	2.98E-09	3.37E-10	1.20E-11	3.49E-10
615	436985.16	3725025.49	2.70E-09	9.44E-11	2.79E-09	5.61E-10	2.29E-11	5.84E-10	2.90E-09	1.08E-10	3.00E-09	3.40E-10	1.19E-11	3.52E-10
616	436989.2	3725017	2.71E-09	9.36E-11	2.80E-09	5.63E-10	2.27E-11	5.85E-10	2.91E-09	1.07E-10	3.01E-09	3.41E-10	1.18E-11	3.52E-10
617	436993.25	3725008.5	2.72E-09	9.28E-11	2.81E-09	5.64E-10	2.24E-11	5.87E-10	2.92E-09	1.06E-10	3.02E-09	3.41E-10	1.16E-11	3.53E-10
618	436997.29	3725000.01	2.72E-09	9.19E-11	2.81E-09	5.66E-10	2.21E-11	5.88E-10	2.92E-09	1.05E-10	3.03E-09	3.42E-10	1.15E-11	3.53E-10
619	437001.34	3724991.52	2.72E-09	9.07E-11	2.81E-09	5.65E-10	2.17E-11	5.86E-10	2.92E-09	1.03E-10	3.02E-09	3.41E-10	1.13E-11	3.52E-10
620	437005.39	3724983.03	2.70E-09	8.92E-11	2.79E-09	5.62E-10	2.13E-11	5.83E-10	2.90E-09	1.01E-10	3.00E-09	3.39E-10	1.10E-11	3.50E-10

621	437009.43	3724974.54	2.69E-09	8.77E-11	2.78E-09	5.58E-10	2.09E-11	5.79E-10	2.89E-09	9.89E-11	2.99E-09	3.37E-10	1.08E-11	3.48E-10
622	437013.48	3724966.05	2.68E-09	8.62E-11	2.76E-09	5.55E-10	2.05E-11	5.76E-10	2.87E-09	9.68E-11	2.97E-09	3.35E-10	1.06E-11	3.45E-10
623	437017.53	3724957.56	2.68E-09	8.51E-11	2.76E-09	5.55E-10	2.01E-11	5.75E-10	2.87E-09	9.52E-11	2.97E-09	3.35E-10	1.04E-11	3.45E-10
624	437021.57	3724949.07	2.68E-09	8.41E-11	2.76E-09	5.55E-10	1.98E-11	5.75E-10	2.87E-09	9.37E-11	2.97E-09	3.34E-10	1.02E-11	3.45E-10
625	437025.62	3724940.58	2.68E-09	8.30E-11	2.76E-09	5.55E-10	1.95E-11	5.75E-10	2.88E-09	9.22E-11	2.97E-09	3.34E-10	1.00E-11	3.44E-10
626	437029.67	3724932.08	2.69E-09	8.22E-11	2.77E-09	5.57E-10	1.92E-11	5.76E-10	2.89E-09	9.09E-11	2.98E-09	3.35E-10	9.87E-12	3.45E-10
627	437033.71	3724923.59	2.70E-09	8.16E-11	2.79E-09	5.60E-10	1.90E-11	5.79E-10	2.90E-09	8.98E-11	2.99E-09	3.37E-10	9.74E-12	3.47E-10
628	437037.76	3724915.1	2.72E-09	8.09E-11	2.80E-09	5.63E-10	1.88E-11	5.82E-10	2.92E-09	8.87E-11	3.01E-09	3.38E-10	9.60E-12	3.48E-10
629	437041.8	3724906.61	2.72E-09	7.99E-11	2.80E-09	5.63E-10	1.84E-11	5.81E-10	2.92E-09	8.72E-11	3.00E-09	3.38E-10	9.43E-12	3.48E-10
630	437045.85	3724898.12	2.71E-09	7.85E-11	2.78E-09	5.61E-10	1.80E-11	5.79E-10	2.91E-09	8.53E-11	2.99E-09	3.37E-10	9.21E-12	3.46E-10
631	437049.9	3724889.63	2.70E-09	7.71E-11	2.77E-09	5.58E-10	1.77E-11	5.76E-10	2.89E-09	8.35E-11	2.98E-09	3.35E-10	9.00E-12	3.44E-10
632	437053.94	3724881.14	2.68E-09	7.57E-11	2.75E-09	5.55E-10	1.73E-11	5.72E-10	2.88E-09	8.16E-11	2.96E-09	3.33E-10	8.78E-12	3.42E-10
633	437057.99	3724872.65	2.66E-09	7.42E-11	2.73E-09	5.50E-10	1.69E-11	5.67E-10	2.85E-09	7.97E-11	2.93E-09	3.30E-10	8.57E-12	3.39E-10
634	437062.04	3724864.15	2.64E-09	7.28E-11	2.71E-09	5.45E-10	1.65E-11	5.62E-10	2.83E-09	7.79E-11	2.91E-09	3.27E-10	8.35E-12	3.35E-10
635	437066.08	3724855.66	2.61E-09	7.13E-11	2.68E-09	5.40E-10	1.61E-11	5.56E-10	2.80E-09	7.60E-11	2.88E-09	3.24E-10	8.14E-12	3.32E-10
636	437070.13	3724847.17	2.59E-09	6.99E-11	2.66E-09	5.35E-10	1.57E-11	5.50E-10	2.78E-09	7.42E-11	2.85E-09	3.20E-10	7.93E-12	3.28E-10
637	437090.36	3724804.72	2.43E-09	6.27E-11	2.50E-09	5.02E-10	1.38E-11	5.16E-10	2.61E-09	6.52E-11	2.68E-09	3.00E-10	6.92E-12	3.07E-10
638	437094.41	3724796.23	2.40E-09	6.13E-11	2.46E-09	4.95E-10	1.34E-11	5.08E-10	2.57E-09	6.35E-11	2.64E-09	2.96E-10	6.73E-12	3.02E-10
639	437098.45	3724787.73	2.36E-09	5.98E-11	2.42E-09	4.87E-10	1.31E-11	5.00E-10	2.53E-09	6.18E-11	2.60E-09	2.91E-10	6.54E-12	2.97E-10
640	437102.5	3724779.24	2.32E-09	5.85E-11	2.38E-09	4.79E-10	1.27E-11	4.92E-10	2.49E-09	6.02E-11	2.55E-09	2.86E-10	6.36E-12	2.92E-10
641	436956.87	3725495.29	2.84E-09	1.27E-10	2.97E-09	5.96E-10	3.26E-11	6.28E-10	3.05E-09	1.54E-10	3.21E-09	3.66E-10	1.73E-11	3.83E-10
642	436953.73	3725486.38	2.81E-09	1.25E-10	2.94E-09	5.90E-10	3.21E-11	6.22E-10	3.02E-09	1.52E-10	3.17E-09	3.62E-10	1.71E-11	3.79E-10
643	436950.58	3725477.47	2.78E-09	1.24E-10	2.91E-09	5.84E-10	3.16E-11	6.15E-10	2.99E-09	1.50E-10	3.14E-09	3.59E-10	1.68E-11	3.75E-10
644	436947.43	3725468.56	2.76E-09	1.22E-10	2.88E-09	5.79E-10	3.12E-11	6.10E-10	2.97E-09	1.48E-10	3.11E-09	3.55E-10	1.66E-11	3.72E-10
645	436944.29	3725459.65	2.74E-09	1.21E-10	2.86E-09	5.74E-10	3.09E-11	6.05E-10	2.94E-09	1.46E-10	3.09E-09	3.52E-10	1.64E-11	3.69E-10
646	436941.14	3725450.74	2.71E-09	1.19E-10	2.83E-09	5.69E-10	3.05E-11	5.99E-10	2.92E-09	1.44E-10	3.06E-09	3.49E-10	1.62E-11	3.65E-10
647	436938	3725441.83	2.69E-09	1.18E-10	2.81E-09	5.64E-10	3.01E-11	5.94E-10	2.89E-09	1.43E-10	3.04E-09	3.46E-10	1.60E-11	3.62E-10
648	436925.41	3725406.2	2.60E-09	1.12E-10	2.71E-09	5.44E-10	2.86E-11	5.73E-10	2.79E-09	1.35E-10	2.93E-09	3.34E-10	1.52E-11	3.49E-10
649	436922.26	3725397.29	2.58E-09	1.11E-10	2.69E-09	5.40E-10	2.83E-11	5.68E-10	2.77E-09	1.34E-10	2.91E-09	3.31E-10	1.50E-11	3.46E-10
650	436919.12	3725388.38	2.56E-09	1.10E-10	2.67E-09	5.36E-10	2.80E-11	5.64E-10	2.75E-09	1.32E-10	2.88E-09	3.28E-10	1.48E-11	3.43E-10
651	436915.97	3725379.47	2.54E-09	1.09E-10	2.65E-09	5.32E-10	2.76E-11	5.60E-10	2.73E-09	1.31E-10	2.86E-09	3.26E-10	1.46E-11	3.40E-10
652	436912.82	3725370.56	2.52E-09	1.08E-10	2.63E-09	5.28E-10	2.73E-11	5.55E-10	2.71E-09	1.29E-10	2.84E-09	3.23E-10	1.45E-11	3.38E-10
653	436887.65	3725299.28	2.33E-09	9.73E-11	2.43E-09	4.87E-10	2.46E-11	5.12E-10	2.50E-09	1.16E-10	2.62E-09	2.98E-10	1.30E-11	3.11E-10
654	436884.51	3725290.37	2.31E-09	9.60E-11	2.40E-09	4.82E-10	2.42E-11	5.06E-10	2.48E-09	1.15E-10	2.59E-09	2.94E-10	1.28E-11	3.07E-10
655	436881.36	3725281.46	2.28E-09	9.47E-11	2.37E-09	4.76E-10	2.39E-11	5.00E-10	2.45E-09	1.13E-10	2.56E-09	2.91E-10	1.26E-11	3.04E-10
656	436878.22	3725272.55	2.26E-09	9.34E-11	2.35E-09	4.71E-10	2.36E-11	4.95E-10	2.42E-09	1.12E-10	2.53E-09	2.88E-10	1.25E-11	3.00E-10
657	436865.63	3725236.92	2.18E-09	8.95E-11	2.27E-09	4.56E-10	2.25E-11	4.78E-10	2.35E-09	1.07E-10	2.45E-09	2.78E-10	1.19E-11	2.90E-10
658	436862.48	3725228.01	2.17E-09	8.88E-11	2.26E-09	4.53E-10	2.23E-11	4.75E-10	2.33E-09	1.06E-10	2.44E-09	2.76E-10	1.18E-11	2.88E-10
659	436859.34	3725219.1	2.16E-09	8.80E-11	2.25E-09	4.51E-10	2.21E-11	4.73E-10	2.32E-09	1.05E-10	2.42E-09	2.75E-10	1.17E-11	2.86E-10
660	436860.26	3725201.66	2.17E-09	8.81E-11	2.26E-09	4.53E-10	2.21E-11	4.75E-10	2.33E-09	1.05E-10	2.44E-09	2.76E-10	1.17E-11	2.88E-10
661	436864.32	3725193.13	2.19E-09	8.87E-11	2.28E-09	4.57E-10	2.22E-11	4.79E-10	2.35E-09	1.05E-10	2.46E-09	2.79E-10	1.17E-11	2.90E-10
662	436868.39	3725184.6	2.21E-09	8.93E-11	2.30E-09	4.62E-10	2.24E-11	4.84E-10	2.38E-09	1.06E-10	2.48E-09	2.81E-10	1.18E-11	2.93E-10
663	436900.9	3725116.36	2.29E-09	8.94E-11	2.38E-09	4.78E-10	2.22E-11	5.00E-10	2.46E-09	1.05E-10	2.57E-09	2.91E-10	1.17E-11	3.02E-10
664	436904.97	3725107.83	2.30E-09	8.91E-11	2.39E-09	4.79E-10	2.21E-11	5.01E-10	2.47E-09	1.05E-10	2.57E-09	2.91E-10	1.16E-11	3.03E-10
665	436909.03	3725099.3	2.30E-09	8.88E-11	2.39E-09	4.80E-10	2.20E-11	5.02E-10	2.47E-09	1.04E-10	2.58E-09	2.92E-10	1.16E-11	3.04E-10
666	436913.1	3725090.77	2.31E-09	8.85E-11	2.40E-09	4.82E-10	2.19E-11	5.04E-10	2.48E-09	1.04E-10	2.59E-09	2.93E-10	1.15E-11	3.04E-10
667	436917.16	3725082.24	2.32E-09	8.81E-11	2.41E-09	4.83E-10	2.18E-11	5.05E-10	2.49E-09	1.03E-10	2.59E-09	2.93E-10	1.14E-11	3.05E-10
668	436921.23	3725073.71	2.33E-09	8.78E-11	2.41E-09	4.85E-10	2.17E-11	5.06E-10	2.50E-09	1.03E-10	2.60E-09	2.94E-10	1.14E-11	3.06E-10
669	436925.29	3725065.18	2.33E-09	8.74E-11	2.42E-09	4.86E-10	2.15E-11	5.07E-10	2.51E-09	1.02E-10	2.61E-09	2.95E-10	1.13E-11	3.06E-10
670	436929.36	3725056.65	2.34E-09	8.70E-11	2.43E-09	4.87E-10	2.14E-11	5.09E-10	2.51E-09	1.01E-10	2.62E-09	2.96E-10	1.12E-11	3.07E-10
671	436933.42	3725048.12	2.35E-09	8.67E-11	2.44E-09	4.90E-10	2.13E-11	5.11E-10	2.53E-09	1.01E-10	2.63E-09	2.97E-10	1.11E-11	3.08E-10
672	436937.49	3725039.59	2.37E-09	8.64E-11	2.45E-09	4.93E-10	2.12E-11	5.14E-10	2.54E-09	1.00E-10	2.64E-09	2.99E-10	1.11E-11	3.10E-10
673	436941.55	3725031.06	2.38E-09	8.62E-11	2.47E-09	4.96E-10	2.11E-11	5.17E-10	2.56E-09	9.97E-11	2.66E-09	3.00E-10	1.10E-11	3.11E-10
674	436945.62	3725022.53	2.40E-09	8.60E-11	2.48E-09	4.99E-10	2.09E-11	5.20E-10	2.58E-09	9.92E-11	2.67E-09	3.02E-10	1.09E-11	3.13E-10
675	436949.68	3725014	2.42E-09	8.57E-11	2.50E-09	5.02E-10	2.08E-11	5.23E-10	2.59E-09	9.86E-11	2.69E-09	3.04E-10	1.09E-11	3.15E-10
676	436953.74	3725005.47	2.43E-09	8.54E-11	2.52E-09	5.06E-10	2.07E-11	5.26E-10	2.61E-09	9.80E-11	2.71E-09	3.06E-10	1.08E-11	3.17E-10
677	436957.81	3724996.94	2.45E-09	8.50E-11	2.53E-09	5.08E-10	2.06E-11	5.29E-10	2.63E-09	9.73E-11	2.72E-09	3.07E-10	1.07E-11	3.18E-10
678	436961.87	3724988.41	2.44E-09	8.41E-11	2.53E-09	5.08E-10	2.03E-11	5.28E-10	2.62E-09	9.60E-11	2.72E-09	3.07E-10	1.05E-11	3.17E-10
679	436965.94	3724979.88	2.44E-09	8.30E-11	2.52E-09	5.06E-10	2.00E-11	5.26E-10	2.62E-09	9.45E-11	2.71E-09	3.06E-10	1.04E-11	3.16E-10
680	436970	3724971.36	2.43E-09	8.19E-11	2.51E-09	5.04E-10	1.96E-11	5.24E-10	2.61E-09	9.29E-11	2.70E-09	3.05E-10	1.02E-11	3.15E-10
681	436974.07	3724962.83	2.42E-09	8.08E-11	2.50E-09	5.03E-10	1.93E-11	5.22E-10	2.60E-09	9.15E-11	2.69E-09	3.04E-10	1.00E-11	3.14E-10
682	436978.13	3724954.3	2.42E-09	7.99E-11	2.50E-09	5.03E-10	1.90E-11	5.22E-10	2.60E-09	9.01E-11	2.69E-09	3.03E-10	9.86E-12	3.13E-10
683	436982.2	3724945.77	2.42E-09	7.89E-11	2.50E-09	5.02E-10	1.88E-11	5.21E-10	2.60E-09	8.88E-11	2.69E-09	3.03E-10	9.70E-12	3.12E-10
684	436986.26	3724937.24	2.42E-09	7.79E-11	2.49E-09	5.01E-10	1.85E-11	5.19E-10	2.59E-09	8.74E-11	2.68E-09	3.02E-10	9.54E-12	3.11E-10
685	436990.33	3724928.71	2.43E-09	7.75E-11	2.51E-09	5.05E-10	1.83E-11	5.23E-10	2.61E-09	8.66E-11	2.70E-09	3.04E-10	9.44E-12	3.13E-10
686	436994.39	3724920.18	2.46E-09	7.74E-11	2.54E-09	5.10E-10	1.82E-11	5.28E-10	2.64E-09	8.61E-11	2.73E-09	3.07E-10	9.37E-12	3.16E-10
687	436998.46	3724911.65	2.49E-09	7.72E-11	2.56E-09	5.15E-10	1.81E-11	5.33E-10	2.67E-09	8.56E-11	2.75E-09	3.10E-10	9.30E-12	3.19E-10
688	437002.52	3724903.12	2.50E-09	7.67E-11	2.58E-09	5.18E-10	1.79E-11	5.36E-10	2.69E-09	8.47E-11	2.77E-09	3.12E-10	9.19E-12	3.21E-10
689	437006.59	3724894.59	2.50E-09	7.55E-11	2.57E-09	5.17E-10	1.76E-11	5.35E-10	2.68E-09	8.31E-11	2.76E-09	3.11E-10	9.01E-12	3.20E-10
690	437010.65	3724886.06	2.49E-09	7.44E-11	2.56E-09	5.16E-10	1.72E-11	5.33E-10	2.67E-09	8.15E-11	2.75E-09	3.10E-10	8.83E-12	3.19E-10
691	437014.72	3724877.53	2.48E-09	7.31E-11	2.55E-09	5.13E-10	1.69E-11	5.30E-10	2.66E-09	7.99E-11	2.74E-09	3.08E-10	8.64E-12	3.17E-10
692	437018.78	3724869	2.46E-09	7.19E-11	2.53E-09	5.10E-10	1.66E-11	5.26E-10	2.64E-09	7.83E-11	2.72E-09	3.06E-10	8.46E-12	3.14E-10
693	437022.85	3724860.47	2.45E-09	7.07E-11	2.52E-09	5.06E-10	1.62E-11	5.22E-10	2.62E-09	7.67E-11	2.70E-09	3.04E-10	8.27E-12	3.12E-10
694	437026.91	3724851.94	2.43E-09	6.94E-11	2.50E-09	5.02E-10	1.59E-11	5.18E-10	2.61E-09	7.50E-11	2.68E-09	3.01E-10	8.08E-12	3.09E-10
695	437059.43	3724783.7	2.24E-09	5.93E-11	2.30E-09	4.62E-10	1.32E-11	4.75E-10	2.40E-09	6.23E-11	2.46E-09	2.76E-10	6.63E-12	2.83E-10
696	437063.49	3724775.17	2.21E-09	5.81E-11	2.27E-09	4.56E-10	1.29E-11	4.68E-10	2.37E-09	6.07E-11	2.43E-09	2.72E-10	6.46E-12	2.78E-10
697	437067.56	3724766.64	2.18E-09	5.68E-11	2.23E-09	4.49E-10	1.25E-11	4.62E-10	2.34E-09	5.92E-11	2.39E-09	2.68E-10	6.29E-12	2.74E-10
698	437071.62	3724758.11	2.14E-09	5.55E-11	2.20E-09	4.42E-10	1.22E-11	4.55E-10	2.30E-09	5.77E-11	2.36E-09	2.64E-10	6.12E-12	2.70E-10

699	437075.69	3724749.58	2.11E-09	5.43E-11	2.17E-09	4.35E-10	1.19E-11	4.47E-10	2.27E-09	5.62E-11	2.32E-09	2.60E-10	5.95E-12	2.66E-10
700	436918.73	3725498.29	2.52E-09	1.10E-10	2.63E-09	5.27E-10	2.81E-11	5.55E-10	2.71E-09	1.33E-10	2.84E-09	3.23E-10	1.49E-11	3.38E-10
701	436915.62	3725489.49	2.49E-09	1.09E-10	2.60E-09	5.22E-10	2.77E-11	5.50E-10	2.68E-09	1.31E-10	2.81E-09	3.20E-10	1.47E-11	3.35E-10
702	436912.52	3725480.7	2.47E-09	1.07E-10	2.58E-09	5.17E-10	2.74E-11	5.45E-10	2.66E-09	1.30E-10	2.79E-09	3.17E-10	1.45E-11	3.32E-10
703	436909.41	3725471.9	2.45E-09	1.06E-10	2.56E-09	5.13E-10	2.70E-11	5.40E-10	2.63E-09	1.28E-10	2.76E-09	3.14E-10	1.43E-11	3.29E-10
704	436906.31	3725463.11	2.43E-09	1.05E-10	2.53E-09	5.09E-10	2.67E-11	5.35E-10	2.61E-09	1.27E-10	2.74E-09	3.12E-10	1.42E-11	3.26E-10
705	436903.2	3725454.32	2.41E-09	1.04E-10	2.51E-09	5.04E-10	2.64E-11	5.31E-10	2.59E-09	1.25E-10	2.71E-09	3.09E-10	1.40E-11	3.23E-10
706	436900.1	3725445.52	2.39E-09	1.03E-10	2.49E-09	5.00E-10	2.61E-11	5.26E-10	2.57E-09	1.24E-10	2.69E-09	3.06E-10	1.38E-11	3.20E-10
707	436893.88	3725427.93	2.36E-09	1.01E-10	2.46E-09	4.93E-10	2.55E-11	5.18E-10	2.53E-09	1.21E-10	2.65E-09	3.02E-10	1.35E-11	3.15E-10
708	436890.78	3725419.14	2.34E-09	9.97E-11	2.44E-09	4.89E-10	2.53E-11	5.15E-10	2.51E-09	1.20E-10	2.63E-09	2.99E-10	1.34E-11	3.13E-10
709	436887.67	3725410.35	2.32E-09	9.87E-11	2.42E-09	4.86E-10	2.50E-11	5.11E-10	2.50E-09	1.19E-10	2.61E-09	2.97E-10	1.32E-11	3.10E-10
710	436884.57	3725401.55	2.31E-09	9.77E-11	2.40E-09	4.82E-10	2.48E-11	5.07E-10	2.48E-09	1.17E-10	2.60E-09	2.95E-10	1.31E-11	3.08E-10
711	436881.46	3725392.76	2.29E-09	9.68E-11	2.39E-09	4.79E-10	2.45E-11	5.04E-10	2.46E-09	1.16E-10	2.58E-09	2.93E-10	1.30E-11	3.06E-10
712	436878.36	3725383.96	2.27E-09	9.59E-11	2.37E-09	4.76E-10	2.43E-11	5.00E-10	2.44E-09	1.15E-10	2.56E-09	2.91E-10	1.28E-11	3.03E-10
713	436875.25	3725375.17	2.26E-09	9.49E-11	2.35E-09	4.72E-10	2.40E-11	4.96E-10	2.42E-09	1.14E-10	2.54E-09	2.88E-10	1.27E-11	3.01E-10
714	436872.15	3725366.38	2.24E-09	9.39E-11	2.33E-09	4.68E-10	2.37E-11	4.92E-10	2.40E-09	1.12E-10	2.52E-09	2.86E-10	1.26E-11	2.98E-10
715	436869.04	3725357.58	2.22E-09	9.30E-11	2.31E-09	4.64E-10	2.35E-11	4.88E-10	2.39E-09	1.11E-10	2.50E-09	2.84E-10	1.24E-11	2.96E-10
716	436865.94	3725348.79	2.20E-09	9.20E-11	2.29E-09	4.60E-10	2.32E-11	4.83E-10	2.37E-09	1.10E-10	2.48E-09	2.81E-10	1.23E-11	2.93E-10
717	436862.83	3725339.99	2.18E-09	9.10E-11	2.27E-09	4.56E-10	2.30E-11	4.79E-10	2.35E-09	1.09E-10	2.45E-09	2.78E-10	1.21E-11	2.91E-10
718	436859.72	3725331.2	2.16E-09	9.00E-11	2.25E-09	4.52E-10	2.27E-11	4.75E-10	2.32E-09	1.08E-10	2.43E-09	2.76E-10	1.20E-11	2.88E-10
719	436856.62	3725322.41	2.15E-09	8.91E-11	2.23E-09	4.48E-10	2.25E-11	4.71E-10	2.31E-09	1.06E-10	2.41E-09	2.74E-10	1.19E-11	2.85E-10
720	436853.51	3725313.61	2.13E-09	8.81E-11	2.22E-09	4.44E-10	2.22E-11	4.66E-10	2.28E-09	1.05E-10	2.39E-09	2.71E-10	1.17E-11	2.83E-10
721	436850.41	3725304.82	2.11E-09	8.72E-11	2.20E-09	4.40E-10	2.20E-11	4.62E-10	2.27E-09	1.04E-10	2.37E-09	2.69E-10	1.16E-11	2.80E-10
722	436847.3	3725296.02	2.09E-09	8.63E-11	2.18E-09	4.37E-10	2.17E-11	4.58E-10	2.25E-09	1.03E-10	2.35E-09	2.66E-10	1.15E-11	2.78E-10
723	436844.2	3725287.23	2.07E-09	8.53E-11	2.16E-09	4.33E-10	2.15E-11	4.54E-10	2.23E-09	1.02E-10	2.33E-09	2.64E-10	1.13E-11	2.75E-10
724	436841.09	3725278.44	2.05E-09	8.44E-11	2.14E-09	4.29E-10	2.12E-11	4.50E-10	2.21E-09	1.01E-10	2.31E-09	2.62E-10	1.12E-11	2.73E-10
725	436837.99	3725269.64	2.04E-09	8.35E-11	2.12E-09	4.25E-10	2.10E-11	4.46E-10	2.19E-09	9.95E-11	2.29E-09	2.59E-10	1.11E-11	2.70E-10
726	436828.67	3725243.26	1.99E-09	8.11E-11	2.07E-09	4.15E-10	2.04E-11	4.35E-10	2.14E-09	9.64E-11	2.23E-09	2.53E-10	1.07E-11	2.64E-10
727	436825.56	3725234.47	1.97E-09	8.03E-11	2.06E-09	4.12E-10	2.02E-11	4.32E-10	2.12E-09	9.54E-11	2.22E-09	2.51E-10	1.06E-11	2.62E-10
728	436822.46	3725225.67	1.96E-09	7.97E-11	2.04E-09	4.10E-10	2.00E-11	4.29E-10	2.11E-09	9.46E-11	2.20E-09	2.50E-10	1.05E-11	2.60E-10
729	436819.35	3725216.88	1.95E-09	7.90E-11	2.03E-09	4.07E-10	1.98E-11	4.27E-10	2.09E-09	9.38E-11	2.19E-09	2.48E-10	1.04E-11	2.58E-10
730	436820.26	3725199.66	1.95E-09	7.89E-11	2.03E-09	4.08E-10	1.97E-11	4.27E-10	2.10E-09	9.35E-11	2.19E-09	2.48E-10	1.04E-11	2.59E-10
731	436824.27	3725191.25	1.97E-09	7.94E-11	2.05E-09	4.11E-10	1.99E-11	4.31E-10	2.12E-09	9.42E-11	2.21E-09	2.50E-10	1.05E-11	2.61E-10
732	436828.28	3725182.83	1.99E-09	8.00E-11	2.07E-09	4.15E-10	2.00E-11	4.35E-10	2.14E-09	9.48E-11	2.23E-09	2.53E-10	1.05E-11	2.63E-10
733	436876.43	3725081.8	2.10E-09	8.04E-11	2.18E-09	4.37E-10	1.99E-11	4.57E-10	2.25E-09	9.42E-11	2.35E-09	2.65E-10	1.04E-11	2.76E-10
734	436880.44	3725073.38	2.11E-09	8.02E-11	2.19E-09	4.38E-10	1.98E-11	4.58E-10	2.26E-09	9.39E-11	2.35E-09	2.66E-10	1.04E-11	2.76E-10
735	436884.45	3725064.96	2.11E-09	8.00E-11	2.19E-09	4.40E-10	1.97E-11	4.60E-10	2.27E-09	9.35E-11	2.36E-09	2.67E-10	1.04E-11	2.77E-10
736	436888.46	3725056.54	2.12E-09	7.98E-11	2.20E-09	4.41E-10	1.97E-11	4.61E-10	2.28E-09	9.31E-11	2.37E-09	2.68E-10	1.03E-11	2.78E-10
737	436892.48	3725048.12	2.13E-09	7.95E-11	2.21E-09	4.43E-10	1.96E-11	4.63E-10	2.29E-09	9.26E-11	2.38E-09	2.69E-10	1.02E-11	2.79E-10
738	437032.9	3724753.45	2.04E-09	5.51E-11	2.09E-09	4.21E-10	1.23E-11	4.33E-10	2.19E-09	5.81E-11	2.25E-09	2.51E-10	6.19E-12	2.57E-10
739	437036.91	3724745.03	2.02E-09	5.40E-11	2.07E-09	4.16E-10	1.20E-11	4.28E-10	2.16E-09	5.67E-11	2.22E-09	2.48E-10	6.04E-12	2.54E-10
740	437040.92	3724736.61	1.99E-09	5.29E-11	2.04E-09	4.10E-10	1.17E-11	4.22E-10	2.13E-09	5.54E-11	2.19E-09	2.45E-10	5.89E-12	2.51E-10
741	437044.93	3724728.19	1.96E-09	5.18E-11	2.01E-09	4.04E-10	1.14E-11	4.16E-10	2.10E-09	5.41E-11	2.16E-09	2.41E-10	5.75E-12	2.47E-10
742	437048.95	3724719.77	1.93E-09	5.07E-11	1.98E-09	3.98E-10	1.12E-11	4.10E-10	2.07E-09	5.28E-11	2.13E-09	2.37E-10	5.60E-12	2.43E-10
743	436848.05	3725409.15	2.08E-09	8.70E-11	2.17E-09	4.35E-10	2.20E-11	4.57E-10	2.24E-09	1.04E-10	2.34E-09	2.65E-10	1.16E-11	2.77E-10
744	436844.93	3725400.32	2.07E-09	8.62E-11	2.15E-09	4.32E-10	2.17E-11	4.53E-10	2.22E-09	1.03E-10	2.32E-09	2.63E-10	1.15E-11	2.75E-10
745	436841.81	3725391.48	2.05E-09	8.53E-11	2.14E-09	4.28E-10	2.15E-11	4.50E-10	2.20E-09	1.02E-10	2.31E-09	2.61E-10	1.14E-11	2.73E-10
746	436838.69	3725382.65	2.04E-09	8.46E-11	2.12E-09	4.25E-10	2.13E-11	4.47E-10	2.19E-09	1.01E-10	2.29E-09	2.60E-10	1.13E-11	2.71E-10
747	436835.57	3725373.82	2.02E-09	8.39E-11	2.11E-09	4.23E-10	2.11E-11	4.44E-10	2.17E-09	1.00E-10	2.27E-09	2.58E-10	1.12E-11	2.69E-10
748	436832.45	3725364.98	2.01E-09	8.32E-11	2.09E-09	4.20E-10	2.09E-11	4.41E-10	2.16E-09	9.92E-11	2.26E-09	2.56E-10	1.11E-11	2.67E-10
749	436829.33	3725356.15	2.00E-09	8.25E-11	2.08E-09	4.17E-10	2.08E-11	4.38E-10	2.15E-09	9.83E-11	2.25E-09	2.54E-10	1.10E-11	2.65E-10
750	436826.21	3725347.32	1.98E-09	8.18E-11	2.07E-09	4.14E-10	2.06E-11	4.35E-10	2.13E-09	9.74E-11	2.23E-09	2.53E-10	1.09E-11	2.63E-10
751	436823.09	3725338.48	1.97E-09	8.11E-11	2.05E-09	4.11E-10	2.04E-11	4.32E-10	2.12E-09	9.65E-11	2.21E-09	2.51E-10	1.08E-11	2.61E-10
752	436819.97	3725329.65	1.96E-09	8.03E-11	2.04E-09	4.08E-10	2.02E-11	4.28E-10	2.10E-09	9.56E-11	2.20E-09	2.49E-10	1.07E-11	2.59E-10
753	436816.85	3725320.81	1.94E-09	7.96E-11	2.02E-09	4.05E-10	2.00E-11	4.25E-10	2.08E-09	9.47E-11	2.18E-09	2.47E-10	1.05E-11	2.57E-10
754	436813.74	3725311.98	1.93E-09	7.88E-11	2.00E-09	4.02E-10	1.98E-11	4.22E-10	2.07E-09	9.37E-11	2.16E-09	2.45E-10	1.04E-11	2.55E-10
755	436810.62	3725303.15	1.91E-09	7.81E-11	1.99E-09	3.98E-10	1.96E-11	4.18E-10	2.05E-09	9.28E-11	2.14E-09	2.43E-10	1.03E-11	2.53E-10
756	436807.5	3725294.31	1.89E-09	7.73E-11	1.97E-09	3.95E-10	1.94E-11	4.15E-10	2.03E-09	9.19E-11	2.13E-09	2.41E-10	1.02E-11	2.51E-10
757	436804.38	3725285.48	1.88E-09	7.67E-11	1.96E-09	3.92E-10	1.92E-11	4.12E-10	2.02E-09	9.11E-11	2.11E-09	2.39E-10	1.01E-11	2.49E-10
758	436801.26	3725276.65	1.87E-09	7.60E-11	1.94E-09	3.90E-10	1.91E-11	4.09E-10	2.01E-09	9.03E-11	2.10E-09	2.37E-10	1.01E-11	2.47E-10
759	436798.14	3725267.81	1.86E-09	7.54E-11	1.93E-09	3.87E-10	1.89E-11	4.06E-10	1.99E-09	8.95E-11	2.08E-09	2.36E-10	9.96E-12	2.46E-10
760	436795.02	3725258.98	1.84E-09	7.48E-11	1.92E-09	3.84E-10	1.87E-11	4.03E-10	1.98E-09	8.87E-11	2.07E-09	2.34E-10	9.88E-12	2.44E-10
761	436791.9	3725250.15	1.83E-09	7.42E-11	1.90E-09	3.82E-10	1.86E-11	4.00E-10	1.97E-09	8.80E-11	2.05E-09	2.32E-10	9.79E-12	2.42E-10
762	436788.78	3725241.31	1.82E-09	7.36E-11	1.89E-09	3.79E-10	1.84E-11	3.98E-10	1.95E-09	8.72E-11	2.04E-09	2.31E-10	9.71E-12	2.41E-10
763	436785.66	3725232.48	1.81E-09	7.30E-11	1.88E-09	3.77E-10	1.83E-11	3.95E-10	1.94E-09	8.65E-11	2.03E-09	2.29E-10	9.62E-12	2.39E-10
764	436782.54	3725223.65	1.80E-09	7.24E-11	1.87E-09	3.74E-10	1.81E-11	3.92E-10	1.93E-09	8.57E-11	2.01E-09	2.28E-10	9.54E-12	2.37E-10
765	436779.42	3725214.81	1.78E-09	7.18E-11	1.86E-09	3.72E-10	1.79E-11	3.90E-10	1.92E-09	8.50E-11	2.00E-09	2.26E-10	9.45E-12	2.36E-10
766	436780.33	3725197.52	1.78E-09	7.15E-11	1.85E-09	3.72E-10	1.79E-11	3.89E-10	1.91E-09	8.46E-11	2.00E-09	2.26E-10	9.41E-12	2.35E-10
767	436816.6	3725121.41	1.88E-09	7.41E-11	1.96E-09	3.93E-10	1.84E-11	4.11E-10	2.02E-09	8.73E-11	2.11E-09	2.39E-10	9.69E-12	2.48E-10
768	436820.63	3725112.95	1.89E-09	7.41E-11	1.97E-09	3.94E-10	1.84E-11	4.12E-10	2.03E-09	8.72E-11	2.12E-09	2.39E-10	9.68E-12	2.49E-10
769	436824.66	3725104.5	1.90E-09	7.40E-11	1.97E-09	3.95E-10	1.84E-11	4.13E-10	2.04E-09	8.70E-11	2.12E-09	2.40E-10	9.65E-12	2.49E-10
770	436828.69	3725096.04	1.90E-09	7.38E-11	1.97E-09	3.96E-10	1.83E-11	4.14E-10	2.04E-09	8.67E-11	2.13E-09	2.40E-10	9.62E-12	2.50E-10
771	436832.72	3725087.58	1.90E-09	7.36E-11	1.98E-09	3.96E-10	1.82E-11	4.14E-10	2.04E-09	8.64E-11	2.13E-09	2.41E-10	9.58E-12	2.50E-10
772	436836.75	3725079.13	1.91E-09	7.35E-11	1.98E-09	3.98E-10	1.82E-11	4.16E-10	2.05E-09	8.62E-11	2.14E-09	2.41E-10	9.55E-12	2.51E-10
773	436840.78	3725070.67	1.92E-09	7.35E-11	1.99E-09	3.99E-10	1.82E-11	4.18E-10	2.06E-09	8.60E-11	2.15E-09	2.42E-10	9.53E-12	2.52E-10
774	436844.81	3725062.21	1.93E-09	7.34E-11	2.00E-09	4.01E-10	1.81E-11	4.19E-10	2.07E-09	8.58E-11	2.16E-09	2.43E-10	9.51E-12	2.53E-10
775	436848.84	3725053.76	1.94E-09	7.34E-11	2.01E-09	4.03E-10	1.81E-11	4.21E-10	2.08E-09	8.56E-11	2.17E-09	2.44E-10	9.48E-12	2.54E-10
776	437010.04	3724715.48	1.85E-09	5.05E-11	1.90E-09	3.82E-10	1.13E-11	3.93E-10	1.99E-09	5.33E-11	2.04E-09	2.28E-10	5.68E-12	2.33E-10

777	437014.07	3724707.02	1.83E-09	4.95E-11	1.88E-09	3.77E-10	1.10E-11	3.88E-10	1.96E-09	5.21E-11	2.01E-09	2.25E-10	5.55E-12	2.30E-10
778	437018.1	3724698.57	1.81E-09	4.85E-11	1.86E-09	3.73E-10	1.08E-11	3.83E-10	1.94E-09	5.09E-11	1.99E-09	2.22E-10	5.42E-12	2.27E-10
779	437022.13	3724690.11	1.78E-09	4.75E-11	1.83E-09	3.67E-10	1.05E-11	3.78E-10	1.91E-09	4.97E-11	1.96E-09	2.19E-10	5.29E-12	2.24E-10
780	436845.98	3725514.3	2.05E-09	8.68E-11	2.14E-09	4.28E-10	2.20E-11	4.50E-10	2.20E-09	1.04E-10	2.31E-09	2.62E-10	1.16E-11	2.73E-10
781	436842.85	3725505.43	2.03E-09	8.60E-11	2.12E-09	4.25E-10	2.18E-11	4.47E-10	2.19E-09	1.03E-10	2.29E-09	2.60E-10	1.15E-11	2.71E-10
782	436839.72	3725496.56	2.02E-09	8.52E-11	2.10E-09	4.22E-10	2.15E-11	4.43E-10	2.17E-09	1.02E-10	2.27E-09	2.58E-10	1.14E-11	2.69E-10
783	436836.58	3725487.69	2.00E-09	8.43E-11	2.09E-09	4.19E-10	2.13E-11	4.40E-10	2.15E-09	1.01E-10	2.25E-09	2.56E-10	1.13E-11	2.67E-10
784	436833.45	3725478.82	1.99E-09	8.35E-11	2.07E-09	4.15E-10	2.11E-11	4.37E-10	2.14E-09	1.00E-10	2.24E-09	2.54E-10	1.12E-11	2.65E-10
785	436830.32	3725469.95	1.97E-09	8.27E-11	2.06E-09	4.12E-10	2.09E-11	4.33E-10	2.12E-09	9.89E-11	2.22E-09	2.52E-10	1.10E-11	2.63E-10
786	436824.06	3725452.21	1.95E-09	8.11E-11	2.03E-09	4.06E-10	2.04E-11	4.27E-10	2.09E-09	9.68E-11	2.19E-09	2.48E-10	1.08E-11	2.59E-10
787	436789.6	3725354.65	1.82E-09	7.45E-11	1.90E-09	3.81E-10	1.87E-11	3.99E-10	1.96E-09	8.84E-11	2.05E-09	2.32E-10	9.85E-12	2.42E-10
788	436786.47	3725345.78	1.81E-09	7.39E-11	1.89E-09	3.78E-10	1.85E-11	3.97E-10	1.95E-09	8.77E-11	2.03E-09	2.30E-10	9.76E-12	2.40E-10
789	436783.34	3725336.91	1.80E-09	7.33E-11	1.87E-09	3.76E-10	1.84E-11	3.94E-10	1.93E-09	8.70E-11	2.02E-09	2.29E-10	9.68E-12	2.38E-10
790	436780.21	3725328.05	1.79E-09	7.27E-11	1.86E-09	3.73E-10	1.82E-11	3.91E-10	1.92E-09	8.62E-11	2.01E-09	2.27E-10	9.60E-12	2.37E-10
791	436777.07	3725319.18	1.78E-09	7.21E-11	1.85E-09	3.70E-10	1.80E-11	3.88E-10	1.91E-09	8.55E-11	1.99E-09	2.25E-10	9.51E-12	2.35E-10
792	436773.94	3725310.31	1.76E-09	7.14E-11	1.83E-09	3.67E-10	1.79E-11	3.85E-10	1.89E-09	8.47E-11	1.98E-09	2.24E-10	9.42E-12	2.33E-10
793	436770.81	3725301.44	1.75E-09	7.07E-11	1.82E-09	3.64E-10	1.77E-11	3.82E-10	1.88E-09	8.38E-11	1.96E-09	2.22E-10	9.33E-12	2.31E-10
794	436767.68	3725292.57	1.74E-09	7.01E-11	1.81E-09	3.62E-10	1.75E-11	3.79E-10	1.86E-09	8.31E-11	1.95E-09	2.20E-10	9.24E-12	2.29E-10
795	436764.55	3725283.7	1.72E-09	6.96E-11	1.79E-09	3.59E-10	1.74E-11	3.77E-10	1.85E-09	8.24E-11	1.93E-09	2.19E-10	9.17E-12	2.28E-10
796	436761.41	3725274.83	1.71E-09	6.90E-11	1.78E-09	3.57E-10	1.72E-11	3.74E-10	1.84E-09	8.17E-11	1.92E-09	2.17E-10	9.09E-12	2.26E-10
797	436758.28	3725265.96	1.70E-09	6.84E-11	1.77E-09	3.54E-10	1.71E-11	3.71E-10	1.82E-09	8.10E-11	1.91E-09	2.15E-10	9.01E-12	2.24E-10
798	436755.15	3725257.09	1.69E-09	6.79E-11	1.76E-09	3.52E-10	1.70E-11	3.69E-10	1.81E-09	8.04E-11	1.89E-09	2.14E-10	8.94E-12	2.23E-10
799	436752.02	3725248.22	1.68E-09	6.74E-11	1.74E-09	3.50E-10	1.68E-11	3.66E-10	1.80E-09	7.97E-11	1.88E-09	2.13E-10	8.87E-12	2.21E-10
800	436748.89	3725239.35	1.67E-09	6.68E-11	1.73E-09	3.47E-10	1.67E-11	3.64E-10	1.79E-09	7.91E-11	1.87E-09	2.11E-10	8.79E-12	2.20E-10
801	436745.75	3725230.48	1.65E-09	6.63E-11	1.72E-09	3.45E-10	1.65E-11	3.61E-10	1.78E-09	7.84E-11	1.85E-09	2.10E-10	8.72E-12	2.18E-10
802	436742.62	3725221.62	1.64E-09	6.58E-11	1.71E-09	3.42E-10	1.64E-11	3.59E-10	1.76E-09	7.77E-11	1.84E-09	2.08E-10	8.64E-12	2.17E-10
803	436739.49	3725212.75	1.63E-09	6.52E-11	1.70E-09	3.40E-10	1.63E-11	3.56E-10	1.75E-09	7.70E-11	1.83E-09	2.07E-10	8.56E-12	2.15E-10
804	436740.4	3725195.39	1.63E-09	6.50E-11	1.69E-09	3.40E-10	1.62E-11	3.56E-10	1.75E-09	7.68E-11	1.83E-09	2.06E-10	8.53E-12	2.15E-10
805	436772.77	3725127.46	1.71E-09	6.75E-11	1.78E-09	3.57E-10	1.68E-11	3.74E-10	1.84E-09	7.94E-11	1.92E-09	2.17E-10	8.82E-12	2.25E-10
806	436776.82	3725118.97	1.72E-09	6.77E-11	1.79E-09	3.59E-10	1.68E-11	3.76E-10	1.85E-09	7.97E-11	1.93E-09	2.18E-10	8.84E-12	2.27E-10
807	436780.87	3725110.47	1.73E-09	6.79E-11	1.80E-09	3.61E-10	1.69E-11	3.78E-10	1.86E-09	7.98E-11	1.94E-09	2.19E-10	8.86E-12	2.28E-10
808	436784.91	3725101.98	1.74E-09	6.80E-11	1.81E-09	3.63E-10	1.69E-11	3.80E-10	1.87E-09	7.99E-11	1.95E-09	2.20E-10	8.87E-12	2.29E-10
809	436788.96	3725093.49	1.75E-09	6.81E-11	1.82E-09	3.65E-10	1.69E-11	3.82E-10	1.88E-09	8.00E-11	1.96E-09	2.21E-10	8.87E-12	2.30E-10
810	436793.01	3725085	1.76E-09	6.82E-11	1.83E-09	3.66E-10	1.69E-11	3.83E-10	1.89E-09	7.99E-11	1.97E-09	2.22E-10	8.86E-12	2.31E-10
811	436797.05	3725076.51	1.77E-09	6.81E-11	1.83E-09	3.68E-10	1.69E-11	3.84E-10	1.90E-09	7.98E-11	1.98E-09	2.23E-10	8.85E-12	2.32E-10
812	436801.1	3725068.02	1.77E-09	6.81E-11	1.84E-09	3.69E-10	1.68E-11	3.86E-10	1.90E-09	7.97E-11	1.98E-09	2.24E-10	8.83E-12	2.33E-10
813	436805.15	3725059.53	1.78E-09	6.81E-11	1.85E-09	3.70E-10	1.68E-11	3.87E-10	1.91E-09	7.96E-11	1.99E-09	2.25E-10	8.82E-12	2.33E-10
814	436809.19	3725051.04	1.79E-09	6.81E-11	1.86E-09	3.72E-10	1.68E-11	3.89E-10	1.92E-09	7.95E-11	2.00E-09	2.26E-10	8.80E-12	2.34E-10
815	436813.24	3725042.55	1.80E-09	6.82E-11	1.87E-09	3.75E-10	1.68E-11	3.91E-10	1.93E-09	7.95E-11	2.01E-09	2.27E-10	8.80E-12	2.36E-10
816	436817.28	3725034.05	1.81E-09	6.82E-11	1.88E-09	3.77E-10	1.68E-11	3.93E-10	1.94E-09	7.94E-11	2.02E-09	2.28E-10	8.79E-12	2.37E-10
817	436787.58	3725459.93	1.80E-09	7.42E-11	1.87E-09	3.75E-10	1.86E-11	3.94E-10	1.93E-09	8.83E-11	2.02E-09	2.29E-10	9.84E-12	2.38E-10
818	436784.43	3725451.02	1.79E-09	7.37E-11	1.86E-09	3.73E-10	1.85E-11	3.92E-10	1.92E-09	8.77E-11	2.01E-09	2.28E-10	9.78E-12	2.37E-10
819	436781.29	3725442.12	1.78E-09	7.32E-11	1.85E-09	3.72E-10	1.84E-11	3.90E-10	1.91E-09	8.71E-11	2.00E-09	2.26E-10	9.71E-12	2.36E-10
820	436753	3725362.01	1.70E-09	6.89E-11	1.77E-09	3.55E-10	1.72E-11	3.72E-10	1.83E-09	8.17E-11	1.91E-09	2.16E-10	9.09E-12	2.25E-10
821	436749.85	3725353.1	1.69E-09	6.83E-11	1.76E-09	3.52E-10	1.71E-11	3.69E-10	1.81E-09	8.09E-11	1.89E-09	2.14E-10	9.00E-12	2.23E-10
822	436746.71	3725344.2	1.68E-09	6.76E-11	1.74E-09	3.49E-10	1.69E-11	3.66E-10	1.80E-09	8.01E-11	1.88E-09	2.12E-10	8.91E-12	2.21E-10
823	436743.57	3725335.3	1.66E-09	6.70E-11	1.73E-09	3.47E-10	1.67E-11	3.63E-10	1.79E-09	7.93E-11	1.86E-09	2.11E-10	8.82E-12	2.19E-10
824	436740.42	3725326.4	1.65E-09	6.64E-11	1.72E-09	3.44E-10	1.66E-11	3.61E-10	1.77E-09	7.86E-11	1.85E-09	2.09E-10	8.74E-12	2.18E-10
825	436737.28	3725317.5	1.64E-09	6.58E-11	1.70E-09	3.41E-10	1.64E-11	3.58E-10	1.76E-09	7.78E-11	1.84E-09	2.07E-10	8.65E-12	2.16E-10
826	436734.14	3725308.59	1.62E-09	6.52E-11	1.69E-09	3.38E-10	1.63E-11	3.54E-10	1.74E-09	7.71E-11	1.82E-09	2.06E-10	8.57E-12	2.14E-10
827	436730.99	3725299.69	1.61E-09	6.46E-11	1.67E-09	3.35E-10	1.61E-11	3.52E-10	1.73E-09	7.63E-11	1.81E-09	2.04E-10	8.48E-12	2.12E-10
828	436727.85	3725290.79	1.60E-09	6.40E-11	1.66E-09	3.33E-10	1.60E-11	3.49E-10	1.72E-09	7.57E-11	1.79E-09	2.02E-10	8.41E-12	2.11E-10
829	436724.7	3725281.89	1.59E-09	6.35E-11	1.65E-09	3.30E-10	1.58E-11	3.46E-10	1.70E-09	7.50E-11	1.78E-09	2.01E-10	8.34E-12	2.09E-10
830	436721.56	3725272.99	1.58E-09	6.30E-11	1.64E-09	3.28E-10	1.57E-11	3.44E-10	1.69E-09	7.44E-11	1.77E-09	1.99E-10	8.27E-12	2.08E-10
831	436718.42	3725264.09	1.56E-09	6.25E-11	1.63E-09	3.26E-10	1.56E-11	3.41E-10	1.68E-09	7.38E-11	1.75E-09	1.98E-10	8.20E-12	2.06E-10
832	436715.27	3725255.18	1.56E-09	6.21E-11	1.62E-09	3.24E-10	1.55E-11	3.39E-10	1.67E-09	7.33E-11	1.74E-09	1.97E-10	8.15E-12	2.05E-10
833	436712.13	3725246.28	1.55E-09	6.17E-11	1.61E-09	3.22E-10	1.54E-11	3.37E-10	1.66E-09	7.28E-11	1.73E-09	1.96E-10	8.09E-12	2.04E-10
834	436708.99	3725237.38	1.54E-09	6.13E-11	1.60E-09	3.20E-10	1.53E-11	3.35E-10	1.65E-09	7.23E-11	1.72E-09	1.94E-10	8.03E-12	2.03E-10
835	436705.84	3725228.48	1.53E-09	6.08E-11	1.59E-09	3.18E-10	1.51E-11	3.33E-10	1.64E-09	7.17E-11	1.71E-09	1.93E-10	7.97E-12	2.01E-10
836	436702.7	3725219.58	1.52E-09	6.04E-11	1.58E-09	3.16E-10	1.50E-11	3.31E-10	1.63E-09	7.12E-11	1.70E-09	1.92E-10	7.91E-12	2.00E-10
837	436699.56	3725210.67	1.51E-09	5.99E-11	1.57E-09	3.14E-10	1.49E-11	3.29E-10	1.62E-09	7.06E-11	1.69E-09	1.91E-10	7.84E-12	1.98E-10
838	436700.47	3725193.25	1.51E-09	5.98E-11	1.57E-09	3.14E-10	1.49E-11	3.29E-10	1.62E-09	7.05E-11	1.69E-09	1.91E-10	7.83E-12	1.98E-10
839	436728.9	3725133.59	1.58E-09	6.21E-11	1.64E-09	3.28E-10	1.54E-11	3.44E-10	1.69E-09	7.30E-11	1.77E-09	1.99E-10	8.11E-12	2.07E-10
840	436732.96	3725125.07	1.59E-09	6.23E-11	1.65E-09	3.30E-10	1.55E-11	3.45E-10	1.70E-09	7.32E-11	1.78E-09	2.00E-10	8.13E-12	2.08E-10
841	436737.02	3725116.55	1.59E-09	6.25E-11	1.66E-09	3.32E-10	1.55E-11	3.47E-10	1.71E-09	7.34E-11	1.78E-09	2.01E-10	8.15E-12	2.09E-10
842	436741.09	3725108.03	1.61E-09	6.29E-11	1.67E-09	3.35E-10	1.56E-11	3.50E-10	1.73E-09	7.39E-11	1.80E-09	2.03E-10	8.20E-12	2.11E-10
843	436745.15	3725099.5	1.62E-09	6.33E-11	1.69E-09	3.38E-10	1.57E-11	3.53E-10	1.74E-09	7.43E-11	1.82E-09	2.05E-10	8.24E-12	2.13E-10
844	436749.21	3725090.98	1.64E-09	6.37E-11	1.70E-09	3.41E-10	1.58E-11	3.57E-10	1.76E-09	7.47E-11	1.83E-09	2.07E-10	8.29E-12	2.15E-10
845	436753.27	3725082.46	1.65E-09	6.39E-11	1.71E-09	3.43E-10	1.58E-11	3.59E-10	1.77E-09	7.49E-11	1.84E-09	2.08E-10	8.30E-12	2.16E-10
846	436757.33	3725073.94	1.66E-09	6.39E-11	1.72E-09	3.44E-10	1.58E-11	3.60E-10	1.78E-09	7.49E-11	1.85E-09	2.09E-10	8.30E-12	2.17E-10
847	436759.11	3725490.32	1.71E-09	7.02E-11	1.78E-09	3.56E-10	1.76E-11	3.74E-10	1.83E-09	8.35E-11	1.92E-09	2.17E-10	9.30E-12	2.26E-10
848	436756	3725481.51	1.70E-09	6.98E-11	1.77E-09	3.55E-10	1.75E-11	3.72E-10	1.83E-09	8.30E-11	1.91E-09	2.16E-10	9.24E-12	2.25E-10
849	436752.89	3725472.7	1.69E-09	6.95E-11	1.76E-09	3.53E-10	1.74E-11	3.71E-10	1.82E-09	8.26E-11	1.90E-09	2.15E-10	9.19E-12	2.24E-10
850	436749.78	3725463.9	1.69E-09	6.92E-11	1.76E-09	3.53E-10	1.74E-11	3.70E-10	1.82E-09	8.23E-11	1.90E-09	2.15E-10	9.16E-12	2.24E-10
851	436746.67	3725455.09	1.69E-09	6.90E-11	1.76E-09	3.52E-10	1.73E-11	3.69E-10	1.81E-09	8.20E-11	1.89E-09	2.14E-10	9.13E-12	2.23E-10
852	436743.56	3725446.28	1.69E-09	6.88E-11	1.76E-09	3.52E-10	1.73E-11	3.69E-10	1.81E-09	8.17E-11	1.89E-09	2.14E-10	9.10E-12	2.23E-10
853	436740.45	3725437.47	1.68E-09	6.84E-11	1.75E-09	3.50E-10	1.71E-11	3.67E-10	1.80E-09	8.12E-11	1.88E-09	2.13E-10	9.04E-12	2.22E-10
854	436737.34	3725428.67	1.67E-09	6.81E-11	1.74E-09	3.49E-10	1.70E-11	3.66E-10	1.80E-09	8.08E-11	1.88E-09	2.12E-10	8.99E-12	2.21E-10

855	436712.45	3725358.21	1.58E-09	6.32E-11	1.64E-09	3.28E-10	1.58E-11	3.44E-10	1.69E-09	7.47E-11	1.77E-09	1.99E-10	8.30E-12	2.08E-10
856	436709.34	3725349.4	1.56E-09	6.27E-11	1.63E-09	3.26E-10	1.56E-11	3.41E-10	1.68E-09	7.40E-11	1.75E-09	1.98E-10	8.22E-12	2.06E-10
857	436706.23	3725340.59	1.55E-09	6.21E-11	1.62E-09	3.23E-10	1.55E-11	3.39E-10	1.67E-09	7.34E-11	1.74E-09	1.96E-10	8.15E-12	2.05E-10
858	436703.12	3725331.78	1.54E-09	6.16E-11	1.60E-09	3.21E-10	1.53E-11	3.36E-10	1.65E-09	7.27E-11	1.73E-09	1.95E-10	8.08E-12	2.03E-10
859	436700.01	3725322.98	1.53E-09	6.10E-11	1.59E-09	3.18E-10	1.52E-11	3.34E-10	1.64E-09	7.20E-11	1.71E-09	1.93E-10	8.00E-12	2.01E-10
860	436696.9	3725314.17	1.52E-09	6.05E-11	1.58E-09	3.16E-10	1.51E-11	3.31E-10	1.63E-09	7.13E-11	1.70E-09	1.92E-10	7.93E-12	2.00E-10
861	436693.79	3725305.36	1.51E-09	6.00E-11	1.57E-09	3.13E-10	1.49E-11	3.28E-10	1.62E-09	7.07E-11	1.69E-09	1.90E-10	7.85E-12	1.98E-10
862	436690.68	3725296.55	1.49E-09	5.94E-11	1.55E-09	3.11E-10	1.48E-11	3.26E-10	1.60E-09	7.00E-11	1.67E-09	1.89E-10	7.78E-12	1.96E-10
863	436687.57	3725287.75	1.48E-09	5.90E-11	1.54E-09	3.09E-10	1.47E-11	3.23E-10	1.59E-09	6.95E-11	1.66E-09	1.87E-10	7.72E-12	1.95E-10
864	436684.46	3725278.94	1.47E-09	5.86E-11	1.53E-09	3.07E-10	1.46E-11	3.21E-10	1.58E-09	6.90E-11	1.65E-09	1.86E-10	7.67E-12	1.94E-10
865	436681.35	3725270.13	1.46E-09	5.82E-11	1.52E-09	3.05E-10	1.45E-11	3.19E-10	1.57E-09	6.85E-11	1.64E-09	1.85E-10	7.61E-12	1.93E-10
866	436678.24	3725261.32	1.46E-09	5.78E-11	1.51E-09	3.03E-10	1.44E-11	3.17E-10	1.56E-09	6.81E-11	1.63E-09	1.84E-10	7.56E-12	1.91E-10
867	436675.13	3725252.52	1.45E-09	5.74E-11	1.51E-09	3.01E-10	1.43E-11	3.16E-10	1.55E-09	6.76E-11	1.62E-09	1.83E-10	7.51E-12	1.90E-10
868	436672.02	3725243.71	1.44E-09	5.70E-11	1.50E-09	3.00E-10	1.42E-11	3.14E-10	1.54E-09	6.72E-11	1.61E-09	1.82E-10	7.46E-12	1.89E-10
869	436688.61	3725132.21	1.47E-09	5.78E-11	1.53E-09	3.06E-10	1.43E-11	3.21E-10	1.58E-09	6.79E-11	1.65E-09	1.86E-10	7.54E-12	1.93E-10
870	436692.63	3725123.78	1.48E-09	5.81E-11	1.54E-09	3.08E-10	1.44E-11	3.23E-10	1.59E-09	6.82E-11	1.66E-09	1.87E-10	7.57E-12	1.95E-10
871	436696.65	3725115.35	1.49E-09	5.83E-11	1.55E-09	3.10E-10	1.45E-11	3.25E-10	1.60E-09	6.85E-11	1.67E-09	1.88E-10	7.60E-12	1.96E-10
872	436700.67	3725106.92	1.50E-09	5.86E-11	1.56E-09	3.12E-10	1.45E-11	3.27E-10	1.61E-09	6.88E-11	1.68E-09	1.89E-10	7.63E-12	1.97E-10
873	436704.69	3725098.48	1.51E-09	5.89E-11	1.57E-09	3.14E-10	1.46E-11	3.29E-10	1.62E-09	6.91E-11	1.69E-09	1.91E-10	7.66E-12	1.98E-10
874	436708.71	3725090.05	1.53E-09	5.93E-11	1.58E-09	3.17E-10	1.47E-11	3.32E-10	1.64E-09	6.95E-11	1.71E-09	1.92E-10	7.71E-12	2.00E-10
875	436712.72	3725081.62	1.54E-09	5.97E-11	1.60E-09	3.20E-10	1.48E-11	3.35E-10	1.65E-09	7.00E-11	1.72E-09	1.94E-10	7.75E-12	2.02E-10
876	436788.21	3725683.75	1.86E-09	7.81E-11	1.94E-09	3.89E-10	1.97E-11	4.08E-10	2.00E-09	9.33E-11	2.09E-09	2.37E-10	1.04E-11	2.47E-10
877	436785.09	3725674.91	1.85E-09	7.73E-11	1.92E-09	3.85E-10	1.95E-11	4.05E-10	1.98E-09	9.24E-11	2.08E-09	2.35E-10	1.03E-11	2.45E-10
878	436781.97	3725666.07	1.83E-09	7.67E-11	1.91E-09	3.83E-10	1.93E-11	4.02E-10	1.97E-09	9.15E-11	2.06E-09	2.33E-10	1.02E-11	2.43E-10
879	436778.85	3725657.23	1.82E-09	7.60E-11	1.90E-09	3.80E-10	1.92E-11	3.99E-10	1.95E-09	9.07E-11	2.05E-09	2.32E-10	1.01E-11	2.42E-10
880	436772.61	3725639.55	1.78E-09	7.39E-11	1.85E-09	3.71E-10	1.86E-11	3.89E-10	1.91E-09	8.82E-11	2.00E-09	2.26E-10	9.83E-12	2.36E-10
881	436769.48	3725630.71	1.76E-09	7.30E-11	1.83E-09	3.67E-10	1.84E-11	3.85E-10	1.89E-09	8.71E-11	1.98E-09	2.24E-10	9.71E-12	2.33E-10
882	436766.36	3725621.87	1.75E-09	7.24E-11	1.82E-09	3.64E-10	1.82E-11	3.82E-10	1.87E-09	8.63E-11	1.96E-09	2.22E-10	9.62E-12	2.32E-10
883	436763.24	3725613.03	1.74E-09	7.19E-11	1.81E-09	3.62E-10	1.81E-11	3.80E-10	1.86E-09	8.57E-11	1.95E-09	2.21E-10	9.55E-12	2.30E-10
884	436760.12	3725604.19	1.73E-09	7.14E-11	1.80E-09	3.60E-10	1.80E-11	3.78E-10	1.85E-09	8.51E-11	1.94E-09	2.19E-10	9.49E-12	2.29E-10
885	436757	3725595.35	1.71E-09	7.09E-11	1.79E-09	3.58E-10	1.78E-11	3.76E-10	1.84E-09	8.45E-11	1.93E-09	2.18E-10	9.41E-12	2.27E-10
886	436753.88	3725586.51	1.70E-09	7.04E-11	1.77E-09	3.55E-10	1.77E-11	3.73E-10	1.83E-09	8.38E-11	1.91E-09	2.16E-10	9.34E-12	2.26E-10
887	436750.75	3725577.67	1.69E-09	6.99E-11	1.76E-09	3.53E-10	1.76E-11	3.71E-10	1.82E-09	8.32E-11	1.90E-09	2.15E-10	9.27E-12	2.24E-10
888	436747.63	3725568.83	1.68E-09	6.94E-11	1.75E-09	3.51E-10	1.74E-11	3.68E-10	1.81E-09	8.25E-11	1.89E-09	2.14E-10	9.20E-12	2.23E-10
889	436744.51	3725559.99	1.67E-09	6.89E-11	1.74E-09	3.49E-10	1.73E-11	3.66E-10	1.79E-09	8.19E-11	1.88E-09	2.12E-10	9.13E-12	2.21E-10
890	436741.39	3725551.15	1.66E-09	6.84E-11	1.73E-09	3.47E-10	1.72E-11	3.64E-10	1.78E-09	8.14E-11	1.87E-09	2.11E-10	9.06E-12	2.20E-10
891	436716.42	3725480.43	1.60E-09	6.54E-11	1.67E-09	3.34E-10	1.64E-11	3.51E-10	1.72E-09	7.75E-11	1.80E-09	2.03E-10	8.63E-12	2.12E-10
892	436713.29	3725471.59	1.60E-09	6.51E-11	1.67E-09	3.34E-10	1.63E-11	3.50E-10	1.72E-09	7.72E-11	1.80E-09	2.03E-10	8.60E-12	2.12E-10
893	436710.17	3725462.75	1.60E-09	6.50E-11	1.66E-09	3.33E-10	1.63E-11	3.49E-10	1.72E-09	7.70E-11	1.79E-09	2.03E-10	8.57E-12	2.11E-10
894	436707.05	3725453.91	1.60E-09	6.48E-11	1.66E-09	3.33E-10	1.62E-11	3.49E-10	1.71E-09	7.68E-11	1.79E-09	2.02E-10	8.54E-12	2.11E-10
895	436703.93	3725445.08	1.60E-09	6.47E-11	1.66E-09	3.33E-10	1.62E-11	3.49E-10	1.71E-09	7.66E-11	1.79E-09	2.02E-10	8.52E-12	2.11E-10
896	436700.81	3725436.24	1.59E-09	6.45E-11	1.66E-09	3.32E-10	1.61E-11	3.48E-10	1.71E-09	7.63E-11	1.79E-09	2.02E-10	8.49E-12	2.10E-10
897	436697.69	3725427.4	1.59E-09	6.43E-11	1.65E-09	3.31E-10	1.61E-11	3.47E-10	1.71E-09	7.61E-11	1.78E-09	2.01E-10	8.46E-12	2.10E-10
898	436694.56	3725418.56	1.59E-09	6.41E-11	1.65E-09	3.30E-10	1.60E-11	3.46E-10	1.70E-09	7.58E-11	1.78E-09	2.01E-10	8.43E-12	2.09E-10
899	436691.44	3725409.72	1.57E-09	6.32E-11	1.63E-09	3.27E-10	1.58E-11	3.43E-10	1.69E-09	7.48E-11	1.76E-09	1.99E-10	8.31E-12	2.07E-10
900	436632.13	3725241.76	1.35E-09	5.30E-11	1.40E-09	2.80E-10	1.32E-11	2.93E-10	1.44E-09	6.23E-11	1.51E-09	1.70E-10	6.91E-12	1.77E-10
901	436664.92	3725096.01	1.40E-09	5.45E-11	1.45E-09	2.91E-10	1.35E-11	3.05E-10	1.50E-09	6.38E-11	1.57E-09	1.76E-10	7.08E-12	1.84E-10
902	436764.5	3725727.61	1.75E-09	7.28E-11	1.82E-09	3.65E-10	1.83E-11	3.84E-10	1.88E-09	8.67E-11	1.97E-09	2.23E-10	9.66E-12	2.32E-10
903	436761.37	3725718.74	1.75E-09	7.26E-11	1.82E-09	3.65E-10	1.83E-11	3.83E-10	1.88E-09	8.66E-11	1.97E-09	2.22E-10	9.65E-12	2.32E-10
904	436758.24	3725709.87	1.75E-09	7.26E-11	1.82E-09	3.65E-10	1.82E-11	3.83E-10	1.88E-09	8.64E-11	1.96E-09	2.22E-10	9.63E-12	2.32E-10
905	436755.11	3725701.01	1.75E-09	7.25E-11	1.82E-09	3.64E-10	1.82E-11	3.83E-10	1.88E-09	8.64E-11	1.96E-09	2.22E-10	9.63E-12	2.32E-10
906	436751.98	3725692.14	1.75E-09	7.26E-11	1.82E-09	3.65E-10	1.83E-11	3.83E-10	1.88E-09	8.65E-11	1.96E-09	2.22E-10	9.64E-12	2.32E-10
907	436748.84	3725683.27	1.74E-09	7.22E-11	1.81E-09	3.63E-10	1.81E-11	3.81E-10	1.87E-09	8.60E-11	1.95E-09	2.21E-10	9.58E-12	2.30E-10
908	436745.71	3725674.4	1.72E-09	7.13E-11	1.79E-09	3.59E-10	1.79E-11	3.77E-10	1.85E-09	8.49E-11	1.93E-09	2.19E-10	9.47E-12	2.28E-10
909	436742.58	3725665.53	1.70E-09	7.04E-11	1.77E-09	3.55E-10	1.77E-11	3.73E-10	1.83E-09	8.38E-11	1.91E-09	2.16E-10	9.34E-12	2.26E-10
910	436739.45	3725656.66	1.69E-09	6.97E-11	1.76E-09	3.52E-10	1.75E-11	3.69E-10	1.81E-09	8.29E-11	1.90E-09	2.14E-10	9.23E-12	2.24E-10
911	436736.31	3725647.79	1.67E-09	6.90E-11	1.74E-09	3.49E-10	1.73E-11	3.66E-10	1.80E-09	8.21E-11	1.88E-09	2.13E-10	9.15E-12	2.22E-10
912	436733.18	3725638.92	1.66E-09	6.84E-11	1.73E-09	3.47E-10	1.72E-11	3.64E-10	1.78E-09	8.14E-11	1.87E-09	2.11E-10	9.06E-12	2.20E-10
913	436730.05	3725630.05	1.65E-09	6.79E-11	1.72E-09	3.44E-10	1.70E-11	3.61E-10	1.77E-09	8.07E-11	1.85E-09	2.09E-10	8.98E-12	2.18E-10
914	436726.92	3725621.18	1.64E-09	6.74E-11	1.71E-09	3.42E-10	1.69E-11	3.59E-10	1.76E-09	8.01E-11	1.84E-09	2.08E-10	8.92E-12	2.17E-10
915	436723.79	3725612.31	1.63E-09	6.69E-11	1.70E-09	3.40E-10	1.68E-11	3.57E-10	1.75E-09	7.96E-11	1.83E-09	2.07E-10	8.86E-12	2.16E-10
916	436720.65	3725603.44	1.62E-09	6.65E-11	1.69E-09	3.38E-10	1.67E-11	3.55E-10	1.74E-09	7.90E-11	1.82E-09	2.06E-10	8.80E-12	2.15E-10
917	436717.52	3725594.58	1.61E-09	6.61E-11	1.68E-09	3.36E-10	1.66E-11	3.53E-10	1.73E-09	7.85E-11	1.81E-09	2.05E-10	8.74E-12	2.13E-10
918	436714.39	3725585.71	1.60E-09	6.56E-11	1.67E-09	3.34E-10	1.64E-11	3.50E-10	1.72E-09	7.79E-11	1.80E-09	2.03E-10	8.67E-12	2.12E-10
919	436711.26	3725576.84	1.59E-09	6.50E-11	1.65E-09	3.31E-10	1.63E-11	3.48E-10	1.71E-09	7.72E-11	1.78E-09	2.02E-10	8.59E-12	2.10E-10
920	436708.13	3725567.97	1.58E-09	6.45E-11	1.64E-09	3.29E-10	1.62E-11	3.45E-10	1.69E-09	7.65E-11	1.77E-09	2.00E-10	8.52E-12	2.09E-10
921	436704.99	3725559.1	1.57E-09	6.40E-11	1.63E-09	3.27E-10	1.60E-11	3.43E-10	1.68E-09	7.60E-11	1.76E-09	1.99E-10	8.45E-12	2.07E-10
922	436701.86	3725550.23	1.56E-09	6.35E-11	1.62E-09	3.25E-10	1.59E-11	3.41E-10	1.67E-09	7.54E-11	1.75E-09	1.97E-10	8.39E-12	2.06E-10
923	436698.73	3725541.36	1.55E-09	6.30E-11	1.61E-09	3.22E-10	1.58E-11	3.38E-10	1.66E-09	7.47E-11	1.74E-09	1.96E-10	8.32E-12	2.04E-10
924	436695.6	3725532.49	1.54E-09	6.25E-11	1.60E-09	3.20E-10	1.57E-11	3.36E-10	1.65E-09	7.41E-11	1.72E-09	1.95E-10	8.25E-12	2.03E-10
925	436670.54	3725461.54	1.51E-09	6.11E-11	1.57E-09	3.15E-10	1.53E-11	3.31E-10	1.63E-09	7.23E-11	1.70E-09	1.92E-10	8.04E-12	2.00E-10
926	436667.41	3725452.67	1.51E-09	6.07E-11	1.57E-09	3.14E-10	1.52E-11	3.29E-10	1.62E-09	7.18E-11	1.69E-09	1.91E-10	7.98E-12	1.99E-10
927	436664.28	3725443.8	1.50E-09	6.03E-11	1.56E-09	3.12E-10	1.50E-11	3.27E-10	1.61E-09	7.13E-11	1.68E-09	1.90E-10	7.92E-12	1.98E-10
928	436661.14	3725434.93	1.49E-09	5.99E-11	1.55E-09	3.11E-10	1.49E-11	3.26E-10	1.60E-09	7.08E-11	1.67E-09	1.89E-10	7.86E-12	1.97E-10
929	436658.01	3725426.06	1.48E-09	5.95E-11	1.54E-09	3.09E-10	1.48E-11	3.24E-10	1.59E-09	7.02E-11	1.66E-09	1.88E-10	7.81E-12	1.95E-10
930	436654.88	3725417.19	1.48E-09	5.91E-11	1.54E-09	3.07E-10	1.47E-11	3.22E-10	1.59E-09	6.97E-11	1.66E-09	1.87E-10	7.75E-12	1.94E-10
931	436595.37	3725248.68	1.28E-09	5.00E-11	1.33E-09	2.65E-10	1.24E-11	2.78E-10	1.37E-09	5.87E-11	1.43E-09	1.61E-10	6.51E-12	1.67E-10
932	436592.24	3725239.81	1.27E-09	4.97E-11	1.32E-09	2.64E-10	1.23E-11	2.76E-10	1.36E-09	5.83E-11	1.42E-09	1.60E-10	6.47E-12	1.66E-10

933	436589.11	3725230.94	1.27E-09	4.96E-11	1.32E-09	2.63E-10	1.23E-11	2.76E-10	1.36E-09	5.82E-11	1.42E-09	1.60E-10	6.45E-12	1.66E-10
934	436585.97	3725222.07	1.27E-09	4.96E-11	1.32E-09	2.64E-10	1.23E-11	2.76E-10	1.36E-09	5.82E-11	1.42E-09	1.60E-10	6.46E-12	1.66E-10
935	436582.84	3725213.2	1.27E-09	4.98E-11	1.32E-09	2.64E-10	1.23E-11	2.77E-10	1.36E-09	5.84E-11	1.42E-09	1.60E-10	6.48E-12	1.67E-10
936	436725.14	3725727.15	1.64E-09	6.72E-11	1.70E-09	3.41E-10	1.69E-11	3.58E-10	1.76E-09	7.99E-11	1.84E-09	2.08E-10	8.89E-12	2.16E-10
937	436722	3725718.26	1.64E-09	6.73E-11	1.70E-09	3.41E-10	1.69E-11	3.58E-10	1.76E-09	7.99E-11	1.84E-09	2.08E-10	8.90E-12	2.16E-10
938	436718.86	3725709.36	1.63E-09	6.71E-11	1.70E-09	3.40E-10	1.68E-11	3.57E-10	1.75E-09	7.97E-11	1.83E-09	2.07E-10	8.88E-12	2.16E-10
939	436715.71	3725700.46	1.63E-09	6.67E-11	1.69E-09	3.39E-10	1.67E-11	3.55E-10	1.74E-09	7.92E-11	1.82E-09	2.06E-10	8.82E-12	2.15E-10
940	436712.57	3725691.57	1.62E-09	6.63E-11	1.68E-09	3.37E-10	1.66E-11	3.54E-10	1.74E-09	7.87E-11	1.81E-09	2.05E-10	8.77E-12	2.14E-10
941	436709.43	3725682.67	1.61E-09	6.59E-11	1.67E-09	3.35E-10	1.65E-11	3.52E-10	1.73E-09	7.82E-11	1.80E-09	2.04E-10	8.71E-12	2.13E-10
942	436706.29	3725673.77	1.60E-09	6.55E-11	1.66E-09	3.33E-10	1.64E-11	3.50E-10	1.72E-09	7.78E-11	1.79E-09	2.03E-10	8.66E-12	2.11E-10
943	436703.15	3725664.88	1.59E-09	6.51E-11	1.65E-09	3.31E-10	1.63E-11	3.48E-10	1.71E-09	7.72E-11	1.78E-09	2.01E-10	8.59E-12	2.10E-10
944	436700	3725655.98	1.58E-09	6.45E-11	1.64E-09	3.29E-10	1.61E-11	3.45E-10	1.69E-09	7.65E-11	1.77E-09	2.00E-10	8.51E-12	2.08E-10
945	436696.86	3725647.08	1.57E-09	6.41E-11	1.63E-09	3.27E-10	1.60E-11	3.43E-10	1.68E-09	7.60E-11	1.76E-09	1.99E-10	8.46E-12	2.07E-10
946	436693.72	3725638.19	1.56E-09	6.37E-11	1.62E-09	3.25E-10	1.59E-11	3.41E-10	1.68E-09	7.55E-11	1.75E-09	1.98E-10	8.41E-12	2.06E-10
947	436690.58	3725629.29	1.55E-09	6.34E-11	1.62E-09	3.24E-10	1.59E-11	3.40E-10	1.67E-09	7.52E-11	1.74E-09	1.97E-10	8.37E-12	2.05E-10
948	436687.44	3725620.39	1.55E-09	6.31E-11	1.61E-09	3.22E-10	1.58E-11	3.38E-10	1.66E-09	7.49E-11	1.74E-09	1.96E-10	8.33E-12	2.04E-10
949	436684.3	3725611.5	1.54E-09	6.28E-11	1.60E-09	3.21E-10	1.57E-11	3.37E-10	1.65E-09	7.45E-11	1.73E-09	1.95E-10	8.29E-12	2.03E-10
950	436681.15	3725602.6	1.53E-09	6.24E-11	1.59E-09	3.19E-10	1.56E-11	3.35E-10	1.65E-09	7.40E-11	1.72E-09	1.94E-10	8.23E-12	2.02E-10
951	436678.01	3725593.7	1.52E-09	6.21E-11	1.59E-09	3.18E-10	1.55E-11	3.33E-10	1.64E-09	7.35E-11	1.71E-09	1.93E-10	8.18E-12	2.01E-10
952	436674.87	3725584.81	1.51E-09	6.14E-11	1.57E-09	3.15E-10	1.54E-11	3.30E-10	1.62E-09	7.28E-11	1.70E-09	1.92E-10	8.10E-12	2.00E-10
953	436671.73	3725575.91	1.50E-09	6.08E-11	1.56E-09	3.12E-10	1.52E-11	3.27E-10	1.61E-09	7.20E-11	1.68E-09	1.90E-10	8.01E-12	1.98E-10
954	436668.59	3725567.01	1.48E-09	6.01E-11	1.54E-09	3.09E-10	1.50E-11	3.24E-10	1.59E-09	7.12E-11	1.66E-09	1.88E-10	7.92E-12	1.96E-10
955	436665.45	3725558.12	1.47E-09	5.97E-11	1.53E-09	3.07E-10	1.49E-11	3.22E-10	1.58E-09	7.06E-11	1.65E-09	1.87E-10	7.86E-12	1.94E-10
956	436662.3	3725549.22	1.47E-09	5.94E-11	1.53E-09	3.06E-10	1.48E-11	3.20E-10	1.58E-09	7.03E-11	1.65E-09	1.86E-10	7.81E-12	1.94E-10
957	436659.16	3725540.32	1.46E-09	5.91E-11	1.52E-09	3.04E-10	1.48E-11	3.19E-10	1.57E-09	6.99E-11	1.64E-09	1.85E-10	7.77E-12	1.93E-10
958	436656.02	3725531.43	1.46E-09	5.89E-11	1.52E-09	3.04E-10	1.47E-11	3.18E-10	1.57E-09	6.97E-11	1.64E-09	1.85E-10	7.75E-12	1.92E-10
959	436652.88	3725522.53	1.46E-09	5.88E-11	1.52E-09	3.04E-10	1.47E-11	3.18E-10	1.57E-09	6.96E-11	1.63E-09	1.84E-10	7.74E-12	1.92E-10
960	436561.77	3725264.53	1.22E-09	4.76E-11	1.27E-09	2.54E-10	1.18E-11	2.65E-10	1.31E-09	5.58E-11	1.37E-09	1.54E-10	6.19E-12	1.60E-10
961	436558.63	3725255.63	1.21E-09	4.74E-11	1.26E-09	2.52E-10	1.17E-11	2.64E-10	1.30E-09	5.55E-11	1.36E-09	1.53E-10	6.15E-12	1.59E-10
962	436555.48	3725246.74	1.21E-09	4.71E-11	1.26E-09	2.51E-10	1.17E-11	2.63E-10	1.30E-09	5.52E-11	1.35E-09	1.52E-10	6.12E-12	1.58E-10
963	436552.34	3725237.84	1.20E-09	4.69E-11	1.25E-09	2.50E-10	1.16E-11	2.61E-10	1.29E-09	5.49E-11	1.34E-09	1.51E-10	6.09E-12	1.57E-10
964	436549.2	3725228.94	1.20E-09	4.69E-11	1.25E-09	2.50E-10	1.16E-11	2.62E-10	1.29E-09	5.50E-11	1.35E-09	1.51E-10	6.09E-12	1.58E-10
965	437547.78	3725319.47	2.46E-07	5.59E-09	2.52E-07	5.06E-08	1.16E-09	5.18E-08	2.64E-07	5.48E-09	2.69E-07	3.00E-08	5.67E-10	3.06E-08
966	437559.6	3725332.51	2.87E-07	6.93E-09	2.94E-07	5.86E-08	1.44E-09	6.00E-08	3.07E-07	6.81E-09	3.14E-07	3.44E-08	7.06E-10	3.51E-08
967	437528.56	3725313.16	1.77E-07	4.17E-09	1.82E-07	3.70E-08	9.22E-10	3.79E-08	1.91E-07	4.36E-09	1.95E-07	2.24E-08	4.63E-10	2.29E-08
968	437540.37	3725326.19	2.06E-07	5.30E-09	2.11E-07	4.26E-08	1.17E-09	4.38E-08	2.21E-07	5.55E-09	2.27E-07	2.55E-08	5.90E-10	2.61E-08
969	437552.19	3725339.22	2.38E-07	6.58E-09	2.45E-07	4.90E-08	1.47E-09	5.05E-08	2.55E-07	6.94E-09	2.62E-07	2.91E-08	7.40E-10	2.99E-08
970	437509.34	3725306.84	1.35E-07	3.19E-09	1.39E-07	2.86E-08	7.36E-10	2.93E-08	1.46E-07	3.48E-09	1.50E-07	1.77E-08	3.76E-10	1.80E-08
971	437521.15	3725319.87	1.55E-07	4.11E-09	1.59E-07	3.24E-08	9.55E-10	3.33E-08	1.66E-07	4.52E-09	1.71E-07	1.98E-08	4.89E-10	2.03E-08
972	437532.97	3725332.91	1.78E-07	5.23E-09	1.83E-07	3.71E-08	1.22E-09	3.83E-08	1.91E-07	5.79E-09	1.97E-07	2.24E-08	6.29E-10	2.31E-08
973	437544.78	3725345.94	2.05E-07	6.54E-09	2.11E-07	4.24E-08	1.54E-09	4.40E-08	2.20E-07	7.31E-09	2.27E-07	2.55E-08	7.96E-10	2.63E-08
974	437501.93	3725313.56	1.20E-07	3.22E-09	1.23E-07	2.54E-08	7.69E-10	2.62E-08	1.30E-07	3.64E-09	1.33E-07	1.57E-08	3.99E-10	1.61E-08
975	437513.74	3725326.59	1.37E-07	4.17E-09	1.41E-07	2.88E-08	1.01E-09	2.98E-08	1.48E-07	4.77E-09	1.53E-07	1.77E-08	5.25E-10	1.83E-08
976	437525.56	3725339.62	1.58E-07	5.34E-09	1.63E-07	3.31E-08	1.31E-09	3.44E-08	1.70E-07	6.18E-09	1.76E-07	2.02E-08	6.82E-10	2.09E-08
977	437537.37	3725352.65	1.82E-07	6.74E-09	1.89E-07	3.80E-08	1.66E-09	3.96E-08	1.95E-07	7.88E-09	2.03E-07	2.31E-08	8.73E-10	2.40E-08
978	437494.52	3725320.27	1.08E-07	3.31E-09	1.11E-07	2.29E-08	8.16E-10	2.37E-08	1.17E-07	3.86E-09	1.21E-07	1.43E-08	4.28E-10	1.47E-08
979	437506.33	3725333.3	1.24E-07	4.32E-09	1.28E-07	2.62E-08	1.08E-09	2.73E-08	1.34E-07	5.12E-09	1.39E-07	1.62E-08	5.69E-10	1.68E-08
980	437518.15	3725346.34	1.44E-07	5.60E-09	1.49E-07	3.02E-08	1.42E-09	3.16E-08	1.55E-07	6.72E-09	1.61E-07	1.87E-08	7.50E-10	1.94E-08
981	437529.96	3725359.37	1.66E-07	7.14E-09	1.73E-07	3.49E-08	1.83E-09	3.68E-08	1.79E-07	8.67E-09	1.87E-07	2.15E-08	9.72E-10	2.25E-08
982	437498.92	3725340.02	1.15E-07	4.57E-09	1.19E-07	2.43E-08	1.17E-09	2.55E-08	1.24E-07	5.57E-09	1.29E-07	1.52E-08	6.25E-10	1.58E-08
983	437510.74	3725353.05	1.34E-07	6.00E-09	1.40E-07	2.83E-08	1.56E-09	2.99E-08	1.44E-07	7.42E-09	1.51E-07	1.77E-08	8.36E-10	1.85E-08
984	437522.55	3725366.09	1.57E-07	7.80E-09	1.64E-07	3.32E-08	2.06E-09	3.52E-08	1.69E-07	9.76E-09	1.78E-07	2.07E-08	1.10E-09	2.18E-08
985	437491.52	3725346.74	1.08E-07	4.96E-09	1.13E-07	2.31E-08	1.31E-09	2.44E-08	1.17E-07	6.20E-09	1.23E-07	1.45E-08	7.01E-10	1.52E-08
986	437503.33	3725359.77	1.28E-07	6.60E-09	1.34E-07	2.72E-08	1.76E-09	2.90E-08	1.38E-07	8.35E-09	1.46E-07	1.72E-08	9.48E-10	1.81E-08
987	437515.14	3725372.8	1.52E-07	8.77E-09	1.61E-07	3.25E-08	2.37E-09	3.49E-08	1.64E-07	1.12E-08	1.76E-07	2.06E-08	1.28E-09	2.18E-08
988	437464.88	3725347.14	8.36E-08	4.39E-09	8.79E-08	1.79E-08	1.18E-09	1.91E-08	9.03E-08	5.61E-09	9.59E-08	1.14E-08	6.40E-10	1.20E-08
989	437476.7	3725360.17	1.03E-07	6.24E-09	1.10E-07	2.22E-08	1.71E-09	2.40E-08	1.12E-07	8.10E-09	1.20E-07	1.42E-08	9.27E-10	1.52E-08
990	437488.51	3725373.2	1.29E-07	8.76E-09	1.37E-07	2.78E-08	2.42E-09	3.02E-08	1.39E-07	1.15E-08	1.51E-07	1.79E-08	1.32E-09	1.93E-08
991	437500.32	3725386.23	1.61E-07	1.22E-08	1.74E-07	3.50E-08	3.39E-09	3.84E-08	1.74E-07	1.61E-08	1.91E-07	2.28E-08	1.85E-09	2.46E-08
992	437450.07	3725360.57	8.29E-08	5.54E-09	8.84E-08	1.80E-08	1.53E-09	1.95E-08	8.96E-08	7.27E-09	9.69E-08	1.16E-08	8.35E-10	1.24E-08
993	437486.28	3725362.89	1.14E-07	6.81E-09	1.21E-07	2.45E-08	1.86E-09	2.64E-08	1.23E-07	8.81E-09	1.32E-07	1.57E-08	1.01E-09	1.67E-08
994	437290.67	3725439.42	1.92E-08	1.36E-09	2.06E-08	4.15E-09	3.76E-10	4.53E-09	2.08E-08	1.78E-09	2.25E-08	2.68E-09	2.05E-10	2.89E-09
995	436672.49	3725697.81	1.50E-09	6.08E-11	1.56E-09	3.12E-10	1.52E-11	3.28E-10	1.61E-09	7.20E-11	1.68E-09	1.90E-10	8.01E-12	1.98E-10
996	437557.55	3725323.22	2.96E-07	6.57E-09	3.03E-07	6.05E-08	1.32E-09	6.18E-08	3.17E-07	6.21E-09	3.23E-07	3.55E-08	6.33E-10	3.61E-08
997	436768.54	3725455.37	1.74E-09	7.15E-11	1.81E-09	3.63E-10	1.80E-11	3.81E-10	1.87E-09	8.50E-11	1.96E-09	2.21E-10	9.47E-12	2.31E-10
998	436729.09	3725461.98	1.64E-09	6.70E-11	1.71E-09	3.43E-10	1.68E-11	3.59E-10	1.76E-09	7.95E-11	1.84E-09	2.08E-10	8.85E-12	2.17E-10
999	436689.64	3725468.59	1.54E-09	6.25E-11	1.61E-09	3.22E-10	1.56E-11	3.37E-10	1.66E-09	7.40E-11	1.73E-09	1.96E-10	8.23E-12	2.04E-10
1000	437438.22	3725332.1	5.64E-08	2.52E-09	5.89E-08	1.21E-08	6.66E-10	1.27E-08	6.09E-08	3.16E-09	6.41E-08	7.62E-09	3.58E-10	7.97E-09
1001	437418.09	3725327.95	4.26E-08	1.79E-09	4.44E-08	9.10E-09	4.67E-10	9.56E-09	4.60E-08	2.21E-09	4.83E-08	5.73E-09	2.50E-10	5.98E-09
1002	437118.36	3725341.55	5.65E-09	2.66E-10	5.92E-09	1.19E-09	6.93E-11	1.26E-09	6.08E-09	3.29E-10	6.41E-09	7.41E-10	3.71E-11	7.78E-10
1003	437058.25	3725338.58	4.32E-09	1.96E-10	4.51E-09	9.09E-10	5.07E-11	9.59E-10	4.65E-09	2.40E-10	4.89E-09	5.61E-10	2.70E-11	5.88E-10
1004	436998.27	3725340.35	3.38E-09	1.49E-10	3.53E-09	7.10E-10	3.82E-11	7.48E-10	3.64E-09	1.81E-10	3.82E-09	4.36E-10	2.03E-11	4.57E-10
1005	436958.29	3725341.53	2.93E-09	1.27E-10	3.06E-09	6.14E-10	3.23E-11	6.46E-10	3.15E-09	1.53E-10	3.30E-09	3.77E-10	1.72E-11	3.94E-10
1006	436918.31	3725342.72	2.57E-09	1.09E-10	2.68E-09	5.38E-10	2.78E-11	5.66E-10	2.76E-09	1.32E-10	2.89E-09	3.29E-10	1.47E-11	3.44E-10
1007	436878.32	3725343.9	2.28E-09	9.55E-11	2.37E-09	4.76E-10	2.41E-11	5.00E-10	2.45E-09	1.14E-10	2.56E-09	2.91E-10	1.28E-11	3.04E-10
1008	436838.34	3725345.08	2.05E-09	8.47E-11	2.13E-09	4.27E-10	2.13E-11	4.49E-10	2.20E-09	1.01E-10	2.30E-09	2.61E-10	1.13E-11	2.72E-10
1009	436798.36	3725346.26	1.86E-09	7.60E-11	1.94E-09	3.88E-10	1.91E-11	4.07E-10	2.00E-09	9.03E-11	2.09E-09	2.36E-10	1.01E-11	2.46E-10
1010	436758.38	3725347.44	1.72E-09	6.94E-11	1.78E-09	3.57E-10	1.74E-11	3.75E-10	1.84E-09	8.23E-11	1.92E-09	2.17E-10	9.15E-12	2.27E-10

1011	436718.39	3725348.62	1.59E-09	6.37E-11	1.65E-09	3.31E-10	1.59E-11	3.47E-10	1.71E-09	7.53E-11	1.78E-09	2.01E-10	8.37E-12	2.09E-10
1012	436678.41	3725349.8	1.49E-09	5.94E-11	1.55E-09	3.10E-10	1.48E-11	3.25E-10	1.60E-09	7.01E-11	1.67E-09	1.88E-10	7.78E-12	1.96E-10
1013	437334.03	3725234.42	1.64E-08	4.38E-10	1.68E-08	3.46E-09	1.04E-10	3.57E-09	1.77E-08	4.93E-10	1.82E-08	2.14E-09	5.39E-11	2.19E-09
1014	437312.59	3725235.11	1.37E-08	4.06E-10	1.41E-08	2.89E-09	9.84E-11	2.99E-09	1.48E-08	4.66E-10	1.52E-08	1.79E-09	5.13E-11	1.84E-09
1015	437286.87	3725217.82	1.11E-08	3.39E-10	1.14E-08	2.33E-09	8.22E-11	2.41E-09	1.19E-08	3.89E-10	1.23E-08	1.43E-09	4.29E-11	1.48E-09
1016	437230.27	3725197.9	7.70E-09	2.62E-10	7.96E-09	1.62E-09	6.45E-11	1.68E-09	8.29E-09	3.06E-10	8.60E-09	9.93E-10	3.38E-11	1.03E-09
1017	436994.45	3725114.89	2.97E-09	1.13E-10	3.08E-09	6.20E-10	2.80E-11	6.48E-10	3.19E-09	1.33E-10	3.33E-09	3.78E-10	1.47E-11	3.92E-10
1018	437626.04	3725373.73	6.86E-07	1.54E-08	7.02E-07	1.38E-07	2.87E-09	1.40E-07	7.31E-07	1.35E-08	7.45E-07	7.83E-08	1.33E-09	7.97E-08
1019	437633.43	3725380.01	7.14E-07	1.61E-08	7.30E-07	1.43E-07	3.02E-09	1.46E-07	7.61E-07	1.42E-08	7.75E-07	8.14E-08	1.40E-09	8.28E-08
1020	437640.82	3725386.29	7.35E-07	1.68E-08	7.52E-07	1.47E-07	3.16E-09	1.50E-07	7.83E-07	1.49E-08	7.98E-07	8.38E-08	1.47E-09	8.53E-08
1021	437648.21	3725392.57	7.52E-07	1.73E-08	7.69E-07	1.51E-07	3.27E-09	1.54E-07	8.01E-07	1.54E-08	8.16E-07	8.57E-08	1.53E-09	8.72E-08
1022	437655.6	3725398.85	7.62E-07	1.77E-08	7.80E-07	1.53E-07	3.37E-09	1.56E-07	8.12E-07	1.58E-08	8.28E-07	8.69E-08	1.57E-09	8.85E-08
1023	437662.98	3725405.13	7.63E-07	1.79E-08	7.81E-07	1.53E-07	3.43E-09	1.56E-07	8.13E-07	1.61E-08	8.29E-07	8.70E-08	1.61E-09	8.86E-08
1024	437670.37	3725411.41	7.55E-07	1.79E-08	7.73E-07	1.51E-07	3.45E-09	1.55E-07	8.04E-07	1.62E-08	8.20E-07	8.61E-08	1.62E-09	8.77E-08
1025	437619.56	3725381.35	5.37E-07	1.38E-08	5.51E-07	1.08E-07	2.83E-09	1.11E-07	5.73E-07	1.33E-08	5.86E-07	6.23E-08	1.37E-09	6.37E-08
1026	437626.95	3725387.63	5.60E-07	1.46E-08	5.75E-07	1.13E-07	2.99E-09	1.16E-07	5.97E-07	1.41E-08	6.11E-07	6.49E-08	1.45E-09	6.64E-08
1027	437634.34	3725393.91	5.79E-07	1.52E-08	5.95E-07	1.17E-07	3.13E-09	1.20E-07	6.18E-07	1.48E-08	6.33E-07	6.71E-08	1.52E-09	6.87E-08
1028	437641.73	3725400.19	5.94E-07	1.58E-08	6.10E-07	1.20E-07	3.26E-09	1.23E-07	6.33E-07	1.54E-08	6.48E-07	6.88E-08	1.59E-09	7.04E-08
1029	437649.12	3725406.47	6.02E-07	1.62E-08	6.19E-07	1.21E-07	3.37E-09	1.25E-07	6.42E-07	1.59E-08	6.58E-07	6.98E-08	1.64E-09	7.14E-08
1030	437656.51	3725412.75	6.06E-07	1.65E-08	6.23E-07	1.22E-07	3.45E-09	1.26E-07	6.46E-07	1.63E-08	6.63E-07	7.03E-08	1.69E-09	7.20E-08
1031	437663.9	3725419.03	6.03E-07	1.66E-08	6.20E-07	1.22E-07	3.49E-09	1.25E-07	6.43E-07	1.65E-08	6.60E-07	7.00E-08	1.71E-09	7.17E-08
1032	437613.09	3725388.97	4.40E-07	1.33E-08	4.54E-07	8.95E-08	2.94E-09	9.24E-08	4.70E-07	1.39E-08	4.84E-07	5.21E-08	1.47E-09	5.36E-08
1033	437620.48	3725395.25	4.60E-07	1.40E-08	4.74E-07	9.35E-08	3.11E-09	9.66E-08	4.92E-07	1.47E-08	5.06E-07	5.44E-08	1.57E-09	5.60E-08
1034	437627.87	3725401.53	4.77E-07	1.47E-08	4.92E-07	9.69E-08	3.28E-09	1.00E-07	5.10E-07	1.55E-08	5.25E-07	5.64E-08	1.65E-09	5.81E-08
1035	437635.25	3725407.81	4.91E-07	1.54E-08	5.06E-07	9.96E-08	3.43E-09	1.03E-07	5.24E-07	1.62E-08	5.40E-07	5.80E-08	1.73E-09	5.97E-08
1036	437642.64	3725414.09	5.00E-07	1.59E-08	5.16E-07	1.01E-07	3.56E-09	1.05E-07	5.34E-07	1.68E-08	5.51E-07	5.91E-08	1.80E-09	6.09E-08
1037	437650.03	3725420.37	5.05E-07	1.62E-08	5.21E-07	1.03E-07	3.66E-09	1.06E-07	5.39E-07	1.73E-08	5.56E-07	5.98E-08	1.85E-09	6.16E-08
1038	437657.42	3725426.65	5.06E-07	1.65E-08	5.22E-07	1.03E-07	3.73E-09	1.06E-07	5.40E-07	1.76E-08	5.57E-07	5.99E-08	1.89E-09	6.18E-08
1039	437599.22	3725390.31	3.58E-07	1.26E-08	3.71E-07	7.34E-08	2.97E-09	7.64E-08	3.83E-07	1.41E-08	3.97E-07	4.34E-08	1.53E-09	4.49E-08
1040	437606.61	3725396.59	3.78E-07	1.35E-08	3.91E-07	7.73E-08	3.19E-09	8.05E-08	4.04E-07	1.51E-08	4.19E-07	4.57E-08	1.64E-09	4.73E-08
1041	437614	3725402.87	3.95E-07	1.43E-08	4.10E-07	8.09E-08	3.40E-09	8.43E-08	4.23E-07	1.61E-08	4.39E-07	4.78E-08	1.75E-09	4.96E-08
1042	437621.39	3725409.15	4.11E-07	1.51E-08	4.26E-07	8.41E-08	3.60E-09	8.77E-08	4.39E-07	1.70E-08	4.56E-07	4.97E-08	1.86E-09	5.16E-08
1043	437628.78	3725415.43	4.24E-07	1.58E-08	4.40E-07	8.68E-08	3.78E-09	9.06E-08	4.53E-07	1.79E-08	4.71E-07	5.13E-08	1.96E-09	5.33E-08
1044	437636.17	3725421.71	4.34E-07	1.65E-08	4.50E-07	8.89E-08	3.94E-09	9.28E-08	4.64E-07	1.86E-08	4.82E-07	5.26E-08	2.04E-09	5.46E-08
1045	437643.56	3725427.99	4.41E-07	1.69E-08	4.57E-07	9.02E-08	4.07E-09	9.43E-08	4.71E-07	1.92E-08	4.90E-07	5.34E-08	2.11E-09	5.55E-08
1046	437650.95	3725434.27	4.43E-07	1.72E-08	4.61E-07	9.08E-08	4.15E-09	9.50E-08	4.74E-07	1.97E-08	4.94E-07	5.38E-08	2.16E-09	5.60E-08
1047	437551.27	3725354.02	2.20E-07	7.40E-09	2.27E-07	4.55E-08	1.76E-09	4.72E-08	2.36E-07	8.35E-09	2.44E-07	2.73E-08	9.13E-10	2.82E-08
1048	437592.75	3725397.93	3.19E-07	1.34E-08	3.33E-07	6.60E-08	3.33E-09	6.94E-08	3.42E-07	1.58E-08	3.58E-07	3.97E-08	1.75E-09	4.14E-08
1049	437600.14	3725404.21	3.37E-07	1.44E-08	3.52E-07	6.97E-08	3.59E-09	7.33E-08	3.61E-07	1.70E-08	3.78E-07	4.19E-08	1.89E-09	4.38E-08
1050	437607.52	3725410.49	3.54E-07	1.54E-08	3.69E-07	7.32E-08	3.84E-09	7.70E-08	3.79E-07	1.82E-08	3.97E-07	4.40E-08	2.02E-09	4.60E-08
1051	437614.91	3725416.77	3.69E-07	1.63E-08	3.86E-07	7.64E-08	4.09E-09	8.05E-08	3.96E-07	1.94E-08	4.15E-07	4.59E-08	2.16E-09	4.81E-08
1052	437622.3	3725423.05	3.83E-07	1.72E-08	4.00E-07	7.91E-08	4.32E-09	8.35E-08	4.10E-07	2.05E-08	4.30E-07	4.76E-08	2.28E-09	4.99E-08
1053	437629.69	3725429.33	3.93E-07	1.80E-08	4.11E-07	8.14E-08	4.53E-09	8.59E-08	4.21E-07	2.14E-08	4.43E-07	4.90E-08	2.39E-09	5.14E-08
1054	437637.08	3725435.61	4.01E-07	1.86E-08	4.20E-07	8.31E-08	4.70E-09	8.78E-08	4.30E-07	2.22E-08	4.52E-07	5.01E-08	2.48E-09	5.26E-08
1055	437644.47	3725441.89	4.06E-07	1.90E-08	4.25E-07	8.41E-08	4.82E-09	8.89E-08	4.35E-07	2.28E-08	4.58E-07	5.07E-08	2.55E-09	5.33E-08
1056	437593.66	3725411.83	3.14E-07	1.60E-08	3.30E-07	6.57E-08	4.17E-09	6.99E-08	3.37E-07	1.97E-08	3.57E-07	4.02E-08	2.22E-09	4.24E-08
1057	437601.05	3725418.11	3.31E-07	1.73E-08	3.49E-07	6.93E-08	4.49E-09	7.38E-08	3.56E-07	2.13E-08	3.77E-07	4.25E-08	2.40E-09	4.49E-08
1058	437608.44	3725424.39	3.47E-07	1.84E-08	3.66E-07	7.27E-08	4.81E-09	7.75E-08	3.73E-07	2.28E-08	3.96E-07	4.46E-08	2.57E-09	4.72E-08
1059	437615.83	3725430.67	3.62E-07	1.95E-08	3.81E-07	7.57E-08	5.12E-09	8.09E-08	3.88E-07	2.43E-08	4.13E-07	4.65E-08	2.74E-09	4.93E-08
1060	437623.22	3725436.95	3.74E-07	2.05E-08	3.95E-07	7.84E-08	5.39E-09	8.38E-08	4.02E-07	2.56E-08	4.27E-07	4.82E-08	2.89E-09	5.11E-08
1061	437630.6	3725443.23	3.84E-07	2.14E-08	4.05E-07	8.05E-08	5.62E-09	8.61E-08	4.12E-07	2.67E-08	4.39E-07	4.95E-08	3.02E-09	5.25E-08
1062	437637.99	3725449.51	3.91E-07	2.20E-08	4.13E-07	8.19E-08	5.80E-09	8.77E-08	4.19E-07	2.75E-08	4.47E-07	5.05E-08	3.11E-09	5.36E-08
1063	437545.79	3725381.03	2.03E-07	1.04E-08	2.14E-07	4.28E-08	2.73E-09	4.56E-08	2.18E-07	1.30E-08	2.31E-07	2.66E-08	1.47E-09	2.80E-08
1064	437536.89	3725367	1.81E-07	8.20E-09	1.89E-07	3.80E-08	2.11E-09	4.02E-08	1.95E-07	1.00E-08	2.05E-07	2.35E-08	1.13E-09	2.46E-08
1065	437587.18	3725419.45	3.07E-07	1.86E-08	3.26E-07	6.50E-08	5.00E-09	7.00E-08	3.30E-07	2.37E-08	3.54E-07	4.06E-08	2.70E-09	4.33E-08
1066	437594.57	3725425.73	3.26E-07	2.02E-08	3.46E-07	6.90E-08	5.42E-09	7.44E-08	3.50E-07	2.57E-08	3.76E-07	4.31E-08	2.93E-09	4.61E-08
1067	437601.96	3725432.01	3.44E-07	2.17E-08	3.66E-07	7.29E-08	5.86E-09	7.88E-08	3.70E-07	2.78E-08	3.98E-07	4.57E-08	3.17E-09	4.88E-08
1068	437609.35	3725438.29	3.61E-07	2.32E-08	3.84E-07	7.66E-08	6.28E-09	8.28E-08	3.88E-07	2.98E-08	4.18E-07	4.80E-08	3.40E-09	5.14E-08
1069	437616.74	3725444.57	3.76E-07	2.46E-08	4.01E-07	7.98E-08	6.66E-09	8.64E-08	4.04E-07	3.16E-08	4.36E-07	5.01E-08	3.60E-09	5.37E-08
1070	437624.13	3725450.85	3.89E-07	2.58E-08	4.15E-07	8.26E-08	7.00E-09	8.96E-08	4.18E-07	3.32E-08	4.51E-07	5.19E-08	3.79E-09	5.57E-08
1071	437631.52	3725457.13	3.99E-07	2.68E-08	4.25E-07	8.47E-08	7.27E-09	9.20E-08	4.29E-07	3.45E-08	4.63E-07	5.33E-08	3.94E-09	5.73E-08
1072	437538.68	3725387.65	1.97E-07	1.17E-08	2.09E-07	4.20E-08	3.15E-09	4.52E-08	2.13E-07	1.49E-08	2.28E-07	2.64E-08	1.70E-09	2.81E-08
1073	437533.59	3725379.63	1.82E-07	1.01E-08	1.92E-07	3.86E-08	2.69E-09	4.13E-08	1.96E-07	1.27E-08	2.09E-07	2.42E-08	1.45E-09	2.57E-08
1074	437532.52	3725395.77	2.03E-07	1.40E-08	2.17E-07	4.37E-08	3.85E-09	4.75E-08	2.19E-07	1.83E-08	2.38E-07	2.80E-08	2.10E-09	3.01E-08
1075	437522.99	3725380.74	1.70E-07	1.03E-08	1.80E-07	3.63E-08	2.79E-09	3.91E-08	1.83E-07	1.32E-08	1.96E-07	2.30E-08	1.51E-09	2.45E-08
1076	437517.19	3725389.43	1.79E-07	1.26E-08	1.91E-07	3.86E-08	3.49E-09	4.20E-08	1.93E-07	1.65E-08	2.09E-07	2.48E-08	1.90E-09	2.67E-08
1077	437480.39	3725348.23	9.79E-08	4.87E-09	1.03E-07	2.09E-08	1.30E-09	2.22E-08	1.06E-07	6.17E-09	1.12E-07	1.33E-08	7.02E-10	1.40E-08
1078	437460.76	3725362.01	9.26E-08	6.13E-09	9.88E-08	2.00E-08	1.69E-09	2.17E-08	1.00E-07	8.04E-09	1.08E-07	1.29E-08	9.23E-10	1.39E-08
1079	437441.47	3725366.97	8.31E-08	6.09E-09	8.92E-08	1.81E-08	1.70E-09	1.98E-08	8.99E-08	8.07E-09	9.79E-08	1.18E-08	9.30E-10	1.27E-08
1080	437423.13	3725346.1	4.99E-08	2.67E-09	5.26E-08	1.07E-08	7.21E-10	1.14E-08	5.39E-08	3.42E-09	5.74E-08	6.83E-09	3.90E-10	7.22E-09
1081	437327.33	3725352.42	1.87E-08	1.01E-09	1.97E-08	4.00E-09	2.73E-10	4.27E-09	2.02E-08	1.29E-09	2.14E-08	2.53E-09	1.47E-10	2.68E-09
1082	437306.31	3725403.62	2.03E-08	1.37E-09	2.17E-08	4.39E-09	3.79E-10	4.77E-09	2.20E-08	1.80E-09	2.38E-08	2.83E-09	2.06E-10	3.03E-09
1083	437310.15	3725300.64	1.47E-08	6.12E-10	1.53E-08	3.12E-09	1.58E-10	3.28E-09	1.59E-08	7.51E-10	1.66E-08	1.95E-09	8.45E-11	2.03E-09
1084	437311.95	3725475.93	2.59E-08	2.09E-09	2.80E-08	5.65E-09	5.87E-10	6.24E-09	2.80E-08	2.79E-09	3.08E-08	3.70E-09	3.21E-10	4.02E-09
1085	437306.96	3725468.05	2.42E-08	1.90E-09	2.61E-08	5.27E-09	5.32E-10	5.80E-09	2.62E-08	2.53E-09	2.87E-08	3.44E-09	2.91E-10	3.73E-09
1086	437301.97	3725460.18	2.26E-08	1.72E-09	2.43E-08	4.91E-09	4.81E-10	5.39E-09	2.44E-08	2.28E-09	2.67E-08	3.19E-09	2.63E-10	3.46E-09
1087	437296.97	3725452.31	2.11E-08	1.56E-09	2.26E-08	4.57E-09	4.34E-10	5.01E-09	2.28E-08	2.06E-09	2.48E-08	2.96E-09	2.37E-10	3.20E-09
1088	437277.69	3725402.17	1.58E-08	9.91E-10	1.68E-08	3.40E-09	2.71E-10	3.67E-09	1.71E-08	1.29E-09	1.84E-08	2.17E-09	1.47E-10	2.32E-09

1089	437280.47	3725327.64	1.29E-08	6.31E-10	1.35E-08	2.74E-09	1.67E-10	2.91E-09	1.39E-08	7.93E-10	1.47E-08	1.72E-09	8.99E-11	1.81E-09
1090	437282.85	3725483.54	1.86E-08	1.36E-09	2.00E-08	4.03E-09	3.77E-10	4.40E-09	2.01E-08	1.79E-09	2.19E-08	2.60E-09	2.06E-10	2.81E-09
1091	437277.88	3725475.69	1.78E-08	1.27E-09	1.90E-08	3.84E-09	3.52E-10	4.19E-09	1.92E-08	1.67E-09	2.09E-08	2.48E-09	1.92E-10	2.67E-09
1092	437272.91	3725467.85	1.69E-08	1.18E-09	1.80E-08	3.64E-09	3.25E-10	3.96E-09	1.82E-08	1.54E-09	1.97E-08	2.34E-09	1.77E-10	2.52E-09
1093	437267.93	3725460.01	1.60E-08	1.09E-09	1.71E-08	3.45E-09	3.00E-10	3.75E-09	1.73E-08	1.43E-09	1.87E-08	2.21E-09	1.64E-10	2.38E-09
1094	437249.08	3725400.8	1.29E-08	7.59E-10	1.36E-08	2.75E-09	2.06E-10	2.96E-09	1.39E-08	9.75E-10	1.48E-08	1.74E-09	1.11E-10	1.86E-09
1095	437244.9	3725477.18	1.31E-08	8.52E-10	1.40E-08	2.82E-09	2.33E-10	3.05E-09	1.41E-08	1.11E-09	1.53E-08	1.80E-09	1.27E-10	1.92E-09
1096	437220.15	3725407.56	1.05E-08	5.94E-10	1.11E-08	2.24E-09	1.60E-10	2.40E-09	1.13E-08	7.59E-10	1.21E-08	1.42E-09	8.65E-11	1.50E-09
1097	437223.03	3725330.48	9.79E-09	4.78E-10	1.03E-08	2.08E-09	1.26E-10	2.20E-09	1.06E-08	5.98E-10	1.12E-08	1.30E-09	6.77E-11	1.37E-09
1098	437223.39	3725320.84	9.66E-09	4.61E-10	1.01E-08	2.05E-09	1.21E-10	2.17E-09	1.04E-08	5.75E-10	1.10E-08	1.28E-09	6.50E-11	1.35E-09
1099	437223.74	3725311.21	9.53E-09	4.44E-10	9.97E-09	2.02E-09	1.16E-10	2.14E-09	1.03E-08	5.52E-10	1.08E-08	1.26E-09	6.23E-11	1.32E-09
1100	437226.97	3725224.5	7.96E-09	2.94E-10	8.25E-09	1.67E-09	7.37E-11	1.75E-09	8.57E-09	3.49E-10	8.92E-09	1.03E-09	3.89E-11	1.07E-09
1101	437227.33	3725214.86	7.84E-09	2.82E-10	8.12E-09	1.65E-09	7.02E-11	1.72E-09	8.44E-09	3.32E-10	8.77E-09	1.01E-09	3.69E-11	1.05E-09
1102	437191.54	3725405.98	8.68E-09	4.69E-10	9.15E-09	1.85E-09	1.25E-10	1.97E-09	9.36E-09	5.94E-10	9.95E-09	1.16E-09	6.76E-11	1.23E-09
1103	437191.9	3725396.4	8.66E-09	4.62E-10	9.12E-09	1.84E-09	1.23E-10	1.96E-09	9.33E-09	5.85E-10	9.91E-09	1.16E-09	6.64E-11	1.22E-09
1104	437194.4	3725329.36	8.31E-09	4.00E-10	8.71E-09	1.76E-09	1.05E-10	1.87E-09	8.95E-09	4.98E-10	9.45E-09	1.10E-09	5.63E-11	1.16E-09
1105	437194.76	3725319.78	8.24E-09	3.89E-10	8.62E-09	1.74E-09	1.02E-10	1.85E-09	8.87E-09	4.83E-10	9.36E-09	1.09E-09	5.46E-11	1.14E-09
1106	437195.11	3725310.2	8.16E-09	3.78E-10	8.54E-09	1.73E-09	9.88E-11	1.83E-09	8.79E-09	4.68E-10	9.26E-09	1.08E-09	5.29E-11	1.13E-09
1107	437198.32	3725224	7.15E-09	2.74E-10	7.42E-09	1.50E-09	6.92E-11	1.57E-09	7.69E-09	3.28E-10	8.02E-09	9.26E-10	3.65E-11	9.63E-10
1108	437198.68	3725214.42	7.00E-09	2.63E-10	7.26E-09	1.47E-09	6.59E-11	1.54E-09	7.54E-09	3.12E-10	7.85E-09	9.05E-10	3.48E-11	9.40E-10
1109	437199.04	3725204.84	6.87E-09	2.52E-10	7.12E-09	1.44E-09	6.29E-11	1.51E-09	7.39E-09	2.98E-10	7.69E-09	8.86E-10	3.31E-11	9.20E-10
1110	437162.93	3725404.47	7.31E-09	3.80E-10	7.69E-09	1.55E-09	1.01E-10	1.65E-09	7.88E-09	4.78E-10	8.36E-09	9.71E-10	5.42E-11	1.03E-09
1111	437163.29	3725394.94	7.30E-09	3.76E-10	7.68E-09	1.55E-09	9.97E-11	1.65E-09	7.87E-09	4.73E-10	8.34E-09	9.69E-10	5.36E-11	1.02E-09
1112	437168.26	3725261.54	6.73E-09	2.84E-10	7.01E-09	1.42E-09	7.29E-11	1.49E-09	7.24E-09	3.46E-10	7.59E-09	8.78E-10	3.88E-11	9.17E-10
1113	437169.68	3725223.42	6.41E-09	2.52E-10	6.66E-09	1.35E-09	6.37E-11	1.41E-09	6.90E-09	3.02E-10	7.20E-09	8.31E-10	3.37E-11	8.64E-10
1114	437170.03	3725213.89	6.33E-09	2.44E-10	6.57E-09	1.33E-09	6.14E-11	1.39E-09	6.81E-09	2.91E-10	7.10E-09	8.18E-10	3.24E-11	8.51E-10
1115	437170.39	3725204.36	6.24E-09	2.36E-10	6.48E-09	1.31E-09	5.92E-11	1.37E-09	6.72E-09	2.80E-10	7.00E-09	8.06E-10	3.12E-11	8.37E-10
1116	437170.74	3725194.83	6.17E-09	2.29E-10	6.40E-09	1.29E-09	5.70E-11	1.35E-09	6.64E-09	2.70E-10	6.91E-09	7.95E-10	3.00E-11	8.25E-10
1117	437133.96	3725412.51	6.26E-09	3.17E-10	6.58E-09	1.33E-09	8.37E-11	1.41E-09	6.74E-09	3.97E-10	7.14E-09	8.27E-10	4.49E-11	8.72E-10
1118	437134.32	3725403.03	6.26E-09	3.15E-10	6.58E-09	1.33E-09	8.30E-11	1.41E-09	6.74E-09	3.94E-10	7.14E-09	8.27E-10	4.45E-11	8.71E-10
1119	437136.79	3725336.62	6.17E-09	2.92E-10	6.46E-09	1.30E-09	7.62E-11	1.38E-09	6.64E-09	3.61E-10	7.00E-09	8.10E-10	4.07E-11	8.51E-10
1120	437137.14	3725327.13	6.14E-09	2.87E-10	6.43E-09	1.30E-09	7.49E-11	1.37E-09	6.61E-09	3.55E-10	6.96E-09	8.06E-10	4.00E-11	8.46E-10
1121	437137.5	3725317.64	6.12E-09	2.83E-10	6.40E-09	1.29E-09	7.36E-11	1.36E-09	6.58E-09	3.49E-10	6.93E-09	8.02E-10	3.93E-11	8.41E-10
1122	437139.62	3725260.72	5.89E-09	2.51E-10	6.15E-09	1.24E-09	6.44E-11	1.31E-09	6.35E-09	3.05E-10	6.65E-09	7.68E-10	3.42E-11	8.02E-10
1123	437141.03	3725222.78	5.68E-09	2.27E-10	5.91E-09	1.19E-09	5.76E-11	1.25E-09	6.12E-09	2.73E-10	6.39E-09	7.36E-10	3.05E-11	7.67E-10
1124	437141.38	3725213.29	5.63E-09	2.21E-10	5.85E-09	1.18E-09	5.58E-11	1.24E-09	6.06E-09	2.65E-10	6.32E-09	7.28E-10	2.95E-11	7.57E-10
1125	437141.74	3725203.8	5.57E-09	2.15E-10	5.78E-09	1.17E-09	5.41E-11	1.22E-09	5.99E-09	2.56E-10	6.25E-09	7.19E-10	2.86E-11	7.48E-10
1126	437142.09	3725194.32	5.51E-09	2.09E-10	5.72E-09	1.16E-09	5.25E-11	1.21E-09	5.93E-09	2.48E-10	6.18E-09	7.11E-10	2.77E-11	7.38E-10
1127	437105.35	3725411.07	5.42E-09	2.66E-10	5.68E-09	1.14E-09	6.98E-11	1.21E-09	5.83E-09	3.31E-10	6.16E-09	7.12E-10	3.74E-11	7.49E-10
1128	437108.16	3725335.48	5.37E-09	2.50E-10	5.62E-09	1.13E-09	6.50E-11	1.20E-09	5.78E-09	3.08E-10	6.09E-09	7.02E-10	3.47E-11	7.37E-10
1129	437108.52	3725326.03	5.35E-09	2.47E-10	5.60E-09	1.13E-09	6.41E-11	1.19E-09	5.76E-09	3.04E-10	6.06E-09	6.99E-10	3.43E-11	7.34E-10
1130	437108.87	3725316.58	5.34E-09	2.44E-10	5.58E-09	1.13E-09	6.33E-11	1.19E-09	5.74E-09	3.00E-10	6.04E-09	6.97E-10	3.38E-11	7.31E-10
1131	437110.98	3725259.88	5.19E-09	2.22E-10	5.41E-09	1.09E-09	5.69E-11	1.15E-09	5.59E-09	2.69E-10	5.86E-09	6.75E-10	3.02E-11	7.05E-10
1132	437112.39	3725222.08	5.04E-09	2.04E-10	5.24E-09	1.06E-09	5.19E-11	1.11E-09	5.42E-09	2.46E-10	5.67E-09	6.52E-10	2.75E-11	6.79E-10
1133	437113.09	3725203.18	4.95E-09	1.95E-10	5.15E-09	1.04E-09	4.93E-11	1.09E-09	5.33E-09	2.33E-10	5.56E-09	6.39E-10	2.60E-11	6.65E-10
1134	437113.44	3725193.73	4.91E-09	1.91E-10	5.10E-09	1.03E-09	4.80E-11	1.08E-09	5.28E-09	2.27E-10	5.51E-09	6.33E-10	2.53E-11	6.58E-10
1135	437076.73	3725409.68	4.71E-09	2.25E-10	4.93E-09	9.93E-10	5.87E-11	1.05E-09	5.07E-09	2.78E-10	5.35E-09	6.16E-10	3.14E-11	6.47E-10
1136	437079.19	3725343.76	4.73E-09	2.18E-10	4.95E-09	9.97E-10	5.66E-11	1.05E-09	5.09E-09	2.68E-10	5.36E-09	6.17E-10	3.02E-11	6.47E-10
1137	437079.54	3725334.35	4.72E-09	2.17E-10	4.94E-09	9.94E-10	5.61E-11	1.05E-09	5.08E-09	2.66E-10	5.35E-09	6.15E-10	2.99E-11	6.45E-10
1138	437079.89	3725324.93	4.71E-09	2.15E-10	4.93E-09	9.92E-10	5.55E-11	1.05E-09	5.07E-09	2.63E-10	5.33E-09	6.13E-10	2.96E-11	6.43E-10
1139	437080.24	3725315.51	4.70E-09	2.12E-10	4.91E-09	9.89E-10	5.49E-11	1.04E-09	5.06E-09	2.60E-10	5.32E-09	6.12E-10	2.93E-11	6.41E-10
1140	437081.99	3725268.43	4.61E-09	2.00E-10	4.81E-09	9.70E-10	5.12E-11	1.02E-09	4.96E-09	2.43E-10	5.21E-09	5.98E-10	2.72E-11	6.26E-10
1141	437083.75	3725221.34	4.49E-09	1.84E-10	4.68E-09	9.44E-10	4.67E-11	9.90E-10	4.83E-09	2.21E-10	5.06E-09	5.80E-10	2.47E-11	6.05E-10
1142	437084.45	3725202.51	4.43E-09	1.77E-10	4.61E-09	9.30E-10	4.47E-11	9.75E-10	4.77E-09	2.12E-10	4.98E-09	5.71E-10	2.37E-11	5.95E-10
1143	437084.8	3725193.09	4.40E-09	1.74E-10	4.57E-09	9.23E-10	4.37E-11	9.66E-10	4.73E-09	2.07E-10	4.94E-09	5.66E-10	2.31E-11	5.89E-10
1144	437085.15	3725183.67	4.36E-09	1.70E-10	4.53E-09	9.15E-10	4.27E-11	9.58E-10	4.69E-09	2.02E-10	4.90E-09	5.61E-10	2.26E-11	5.84E-10
1145	437051.07	3725328.93	4.19E-09	1.88E-10	4.37E-09	8.80E-10	4.86E-11	9.29E-10	4.50E-09	2.30E-10	4.73E-09	5.43E-10	2.59E-11	5.69E-10
1146	437051.43	3725319.27	4.18E-09	1.87E-10	4.37E-09	8.79E-10	4.82E-11	9.27E-10	4.50E-09	2.29E-10	4.72E-09	5.42E-10	2.57E-11	5.68E-10
1147	437053.59	3725261.34	4.11E-09	1.76E-10	4.28E-09	8.62E-10	4.50E-11	9.07E-10	4.42E-09	2.13E-10	4.63E-09	5.31E-10	2.39E-11	5.55E-10
1148	437056.1	3725193.74	3.96E-09	1.58E-10	4.12E-09	8.30E-10	4.00E-11	8.70E-10	4.26E-09	1.89E-10	4.45E-09	5.09E-10	2.11E-11	5.30E-10
1149	437056.46	3725184.09	3.93E-09	1.56E-10	4.09E-09	8.24E-10	3.92E-11	8.63E-10	4.23E-09	1.85E-10	4.41E-09	5.05E-10	2.07E-11	5.26E-10
1150	437016.71	3725481.64	3.60E-09	1.68E-10	3.77E-09	7.57E-10	4.34E-11	8.00E-10	3.87E-09	2.06E-10	4.07E-09	4.67E-10	2.32E-11	4.90E-10
1151	437017.07	3725472.02	3.60E-09	1.68E-10	3.77E-09	7.58E-10	4.34E-11	8.01E-10	3.88E-09	2.06E-10	4.08E-09	4.68E-10	2.31E-11	4.91E-10
1152	437024.59	3725270.11	3.70E-09	1.59E-10	3.86E-09	7.77E-10	4.07E-11	8.18E-10	3.98E-09	1.93E-10	4.18E-09	4.78E-10	2.16E-11	5.00E-10
1153	437027.46	3725193.19	3.58E-09	1.45E-10	3.72E-09	7.49E-10	3.64E-11	7.86E-10	3.85E-09	1.73E-10	4.02E-09	4.59E-10	1.93E-11	4.78E-10
1154	437027.81	3725183.58	3.56E-09	1.42E-10	3.70E-09	7.45E-10	3.58E-11	7.81E-10	3.83E-09	1.70E-10	4.00E-09	4.56E-10	1.89E-11	4.75E-10
1155	436978.09	3725492.2	3.07E-09	1.39E-10	3.21E-09	6.45E-10	3.59E-11	6.81E-10	3.31E-09	1.70E-10	3.48E-09	3.97E-10	1.91E-11	4.16E-10
1156	436978.44	3725482.72	3.08E-09	1.39E-10	3.22E-09	6.47E-10	3.59E-11	6.82E-10	3.31E-09	1.70E-10	3.48E-09	3.98E-10	1.91E-11	4.17E-10
1157	436981.62	3725397.34	3.16E-09	1.41E-10	3.30E-09	6.64E-10	3.61E-11	7.00E-10	3.40E-09	1.71E-10	3.57E-09	4.08E-10	1.92E-11	4.27E-10
1158	436981.98	3725387.85	3.17E-09	1.41E-10	3.31E-09	6.65E-10	3.60E-11	7.01E-10	3.41E-09	1.71E-10	3.58E-09	4.09E-10	1.92E-11	4.28E-10
1159	436982.33	3725378.36	3.18E-09	1.41E-10	3.32E-09	6.67E-10	3.60E-11	7.03E-10	3.42E-09	1.71E-10	3.59E-09	4.10E-10	1.91E-11	4.29E-10
1160	436984.45	3725321.44	3.21E-09	1.40E-10	3.35E-09	6.73E-10	3.57E-11	7.09E-10	3.45E-09	1.69E-10	3.62E-09	4.14E-10	1.90E-11	4.33E-10
1161	436984.81	3725311.96	3.21E-09	1.39E-10	3.35E-09	6.74E-10	3.56E-11	7.09E-10	3.45E-09	1.69E-10	3.62E-09	4.14E-10	1.89E-11	4.33E-10
1162	436985.16	3725302.47	3.21E-09	1.39E-10	3.35E-09	6.74E-10	3.55E-11	7.09E-10	3.45E-09	1.68E-10	3.62E-09	4.14E-10	1.88E-11	4.33E-10
1163	436987.63	3725236.06	3.19E-09	1.33E-10	3.32E-09	6.67E-10	3.38E-11	7.01E-10	3.42E-09	1.60E-10	3.58E-09	4.09E-10	1.79E-11	4.27E-10
1164	436987.99	3725226.58	3.19E-09	1.33E-10	3.32E-09	6.68E-10	3.36E-11	7.02E-10	3.43E-09	1.59E-10	3.59E-09	4.09E-10	1.78E-11	4.27E-10
1165	436988.34	3725217.09	3.19E-09	1.32E-10	3.32E-09	6.68E-10	3.34E-11	7.01E-10	3.43E-09	1.58E-10	3.59E-09	4.09E-10	1.77E-11	4.27E-10
1166	436988.69	3725207.6	3.18E-09	1.31E-10	3.31E-09	6.66E-10	3.30E-11	6.99E-10	3.42E-09	1.56E-10	3.57E-09	4.08E-10	1.74E-11	4.25E-10

1167	436989.05	3725198.12	3.17E-09	1.29E-10	3.30E-09	6.63E-10	3.26E-11	6.96E-10	3.41E-09	1.54E-10	3.56E-09	4.06E-10	1.72E-11	4.23E-10
1168	436989.4	3725188.63	3.16E-09	1.28E-10	3.28E-09	6.60E-10	3.22E-11	6.92E-10	3.39E-09	1.52E-10	3.54E-09	4.04E-10	1.70E-11	4.21E-10
1169	436939.48	3725502.53	2.68E-09	1.19E-10	2.80E-09	5.63E-10	3.04E-11	5.93E-10	2.89E-09	1.44E-10	3.03E-09	3.45E-10	1.62E-11	3.62E-10
1170	436939.84	3725492.93	2.69E-09	1.19E-10	2.81E-09	5.64E-10	3.04E-11	5.94E-10	2.89E-09	1.44E-10	3.03E-09	3.46E-10	1.62E-11	3.62E-10
1171	436940.2	3725483.33	2.69E-09	1.19E-10	2.81E-09	5.64E-10	3.04E-11	5.95E-10	2.89E-09	1.44E-10	3.04E-09	3.46E-10	1.62E-11	3.63E-10
1172	436943.06	3725406.53	2.75E-09	1.20E-10	2.87E-09	5.77E-10	3.06E-11	6.08E-10	2.96E-09	1.45E-10	3.11E-09	3.54E-10	1.63E-11	3.70E-10
1173	436943.41	3725396.93	2.76E-09	1.20E-10	2.88E-09	5.79E-10	3.07E-11	6.10E-10	2.97E-09	1.45E-10	3.11E-09	3.55E-10	1.63E-11	3.71E-10
1174	436943.77	3725387.33	2.77E-09	1.20E-10	2.89E-09	5.81E-10	3.07E-11	6.11E-10	2.98E-09	1.45E-10	3.12E-09	3.56E-10	1.63E-11	3.72E-10
1175	436944.13	3725377.73	2.78E-09	1.20E-10	2.90E-09	5.82E-10	3.07E-11	6.13E-10	2.99E-09	1.46E-10	3.13E-09	3.57E-10	1.63E-11	3.73E-10
1176	436946.28	3725320.13	2.82E-09	1.21E-10	2.94E-09	5.90E-10	3.07E-11	6.20E-10	3.03E-09	1.45E-10	3.17E-09	3.61E-10	1.63E-11	3.78E-10
1177	436946.63	3725310.53	2.81E-09	1.20E-10	2.93E-09	5.89E-10	3.06E-11	6.20E-10	3.02E-09	1.45E-10	3.17E-09	3.61E-10	1.62E-11	3.77E-10
1178	436946.99	3725300.93	2.81E-09	1.20E-10	2.93E-09	5.89E-10	3.05E-11	6.19E-10	3.02E-09	1.44E-10	3.17E-09	3.61E-10	1.61E-11	3.77E-10
1179	436947.35	3725291.33	2.81E-09	1.19E-10	2.93E-09	5.88E-10	3.03E-11	6.18E-10	3.02E-09	1.44E-10	3.16E-09	3.60E-10	1.61E-11	3.76E-10
1180	436947.71	3725281.74	2.80E-09	1.19E-10	2.92E-09	5.86E-10	3.01E-11	6.16E-10	3.01E-09	1.43E-10	3.15E-09	3.59E-10	1.60E-11	3.75E-10
1181	436949.85	3725224.14	2.80E-09	1.16E-10	2.91E-09	5.85E-10	2.93E-11	6.15E-10	3.01E-09	1.39E-10	3.15E-09	3.58E-10	1.55E-11	3.74E-10
1182	436950.21	3725214.54	2.81E-09	1.16E-10	2.92E-09	5.87E-10	2.92E-11	6.16E-10	3.01E-09	1.38E-10	3.15E-09	3.59E-10	1.54E-11	3.74E-10
1183	436950.57	3725204.94	2.81E-09	1.15E-10	2.93E-09	5.88E-10	2.91E-11	6.17E-10	3.02E-09	1.38E-10	3.16E-09	3.60E-10	1.54E-11	3.75E-10
1184	436908.99	3725294.88	2.48E-09	1.04E-10	2.59E-09	5.19E-10	2.64E-11	5.45E-10	2.67E-09	1.25E-10	2.79E-09	3.17E-10	1.40E-11	3.31E-10
1185	436909.34	3725285.4	2.48E-09	1.04E-10	2.58E-09	5.18E-10	2.63E-11	5.45E-10	2.66E-09	1.25E-10	2.79E-09	3.17E-10	1.39E-11	3.31E-10
1186	436911.46	3725228.48	2.48E-09	1.02E-10	2.58E-09	5.18E-10	2.58E-11	5.44E-10	2.66E-09	1.22E-10	2.79E-09	3.17E-10	1.36E-11	3.30E-10
1187	436911.82	3725218.99	2.48E-09	1.02E-10	2.59E-09	5.19E-10	2.57E-11	5.45E-10	2.67E-09	1.22E-10	2.79E-09	3.17E-10	1.36E-11	3.31E-10
1188	436912.17	3725209.5	2.49E-09	1.02E-10	2.59E-09	5.20E-10	2.56E-11	5.45E-10	2.67E-09	1.21E-10	2.79E-09	3.17E-10	1.35E-11	3.31E-10
1189	436912.52	3725200.01	2.49E-09	1.01E-10	2.59E-09	5.20E-10	2.55E-11	5.45E-10	2.67E-09	1.21E-10	2.79E-09	3.17E-10	1.35E-11	3.31E-10
1190	436915.71	3725114.63	2.38E-09	9.25E-11	2.47E-09	4.96E-10	2.30E-11	5.19E-10	2.55E-09	1.09E-10	2.66E-09	3.02E-10	1.21E-11	3.14E-10
1191	436916.06	3725105.15	2.36E-09	9.12E-11	2.45E-09	4.92E-10	2.26E-11	5.15E-10	2.53E-09	1.07E-10	2.64E-09	2.99E-10	1.19E-11	3.11E-10
1192	436862.61	3725513.82	2.14E-09	9.12E-11	2.23E-09	4.47E-10	2.31E-11	4.70E-10	2.30E-09	1.10E-10	2.41E-09	2.73E-10	1.22E-11	2.86E-10
1193	436862.96	3725504.24	2.14E-09	9.13E-11	2.23E-09	4.48E-10	2.31E-11	4.71E-10	2.30E-09	1.10E-10	2.41E-09	2.74E-10	1.23E-11	2.86E-10
1194	436863.32	3725494.65	2.14E-09	9.13E-11	2.24E-09	4.48E-10	2.32E-11	4.72E-10	2.30E-09	1.10E-10	2.41E-09	2.74E-10	1.23E-11	2.86E-10
1195	436863.68	3725485.06	2.15E-09	9.13E-11	2.24E-09	4.49E-10	2.32E-11	4.72E-10	2.31E-09	1.10E-10	2.42E-09	2.75E-10	1.23E-11	2.87E-10
1196	436866.54	3725408.36	2.19E-09	9.21E-11	2.28E-09	4.57E-10	2.33E-11	4.81E-10	2.35E-09	1.10E-10	2.46E-09	2.80E-10	1.23E-11	2.92E-10
1197	436866.89	3725398.77	2.20E-09	9.23E-11	2.29E-09	4.59E-10	2.33E-11	4.82E-10	2.36E-09	1.11E-10	2.47E-09	2.80E-10	1.23E-11	2.93E-10
1198	436867.25	3725389.18	2.20E-09	9.25E-11	2.30E-09	4.60E-10	2.34E-11	4.84E-10	2.37E-09	1.11E-10	2.48E-09	2.81E-10	1.24E-11	2.94E-10
1199	436869.39	3725331.66	2.22E-09	9.26E-11	2.31E-09	4.64E-10	2.34E-11	4.87E-10	2.39E-09	1.11E-10	2.50E-09	2.83E-10	1.24E-11	2.96E-10
1200	436869.75	3725322.07	2.22E-09	9.25E-11	2.31E-09	4.64E-10	2.34E-11	4.87E-10	2.39E-09	1.11E-10	2.50E-09	2.83E-10	1.23E-11	2.96E-10
1201	436870.11	3725312.48	2.22E-09	9.25E-11	2.31E-09	4.64E-10	2.33E-11	4.87E-10	2.39E-09	1.11E-10	2.50E-09	2.83E-10	1.23E-11	2.96E-10
1202	436870.47	3725302.9	2.22E-09	9.23E-11	2.31E-09	4.64E-10	2.33E-11	4.87E-10	2.39E-09	1.10E-10	2.50E-09	2.83E-10	1.23E-11	2.96E-10
1203	436870.82	3725293.31	2.22E-09	9.21E-11	2.31E-09	4.64E-10	2.32E-11	4.87E-10	2.38E-09	1.10E-10	2.49E-09	2.83E-10	1.23E-11	2.95E-10
1204	436871.18	3725283.72	2.22E-09	9.19E-11	2.31E-09	4.63E-10	2.32E-11	4.86E-10	2.38E-09	1.10E-10	2.49E-09	2.83E-10	1.22E-11	2.95E-10
1205	436873.32	3725226.2	2.23E-09	9.15E-11	2.33E-09	4.67E-10	2.30E-11	4.90E-10	2.40E-09	1.09E-10	2.51E-09	2.85E-10	1.22E-11	2.97E-10
1206	436873.68	3725216.61	2.24E-09	9.15E-11	2.33E-09	4.68E-10	2.30E-11	4.91E-10	2.41E-09	1.09E-10	2.52E-09	2.86E-10	1.21E-11	2.98E-10
1207	436874.04	3725207.02	2.25E-09	9.16E-11	2.34E-09	4.69E-10	2.30E-11	4.92E-10	2.42E-09	1.09E-10	2.52E-09	2.86E-10	1.21E-11	2.99E-10
1208	436874.39	3725197.43	2.25E-09	9.13E-11	2.34E-09	4.69E-10	2.29E-11	4.92E-10	2.42E-09	1.09E-10	2.52E-09	2.86E-10	1.21E-11	2.98E-10
1209	436824.36	3725514.39	1.94E-09	8.17E-11	2.03E-09	4.06E-10	2.06E-11	4.27E-10	2.09E-09	9.78E-11	2.19E-09	2.48E-10	1.09E-11	2.59E-10
1210	436824.72	3725504.71	1.95E-09	8.17E-11	2.03E-09	4.06E-10	2.06E-11	4.27E-10	2.09E-09	9.77E-11	2.19E-09	2.48E-10	1.09E-11	2.59E-10
1211	436825.08	3725495.03	1.95E-09	8.17E-11	2.03E-09	4.07E-10	2.06E-11	4.27E-10	2.09E-09	9.78E-11	2.19E-09	2.48E-10	1.09E-11	2.59E-10
1212	436825.44	3725485.35	1.95E-09	8.17E-11	2.03E-09	4.07E-10	2.06E-11	4.28E-10	2.10E-09	9.77E-11	2.19E-09	2.49E-10	1.09E-11	2.60E-10
1213	436828.33	3725407.91	1.98E-09	8.21E-11	2.06E-09	4.13E-10	2.07E-11	4.34E-10	2.12E-09	9.80E-11	2.22E-09	2.52E-10	1.09E-11	2.63E-10
1214	436828.69	3725398.23	1.98E-09	8.22E-11	2.07E-09	4.14E-10	2.07E-11	4.35E-10	2.13E-09	9.80E-11	2.23E-09	2.52E-10	1.09E-11	2.63E-10
1215	436829.05	3725388.55	1.99E-09	8.23E-11	2.07E-09	4.15E-10	2.07E-11	4.36E-10	2.13E-09	9.81E-11	2.23E-09	2.53E-10	1.09E-11	2.64E-10
1216	436831.21	3725330.47	2.01E-09	8.29E-11	2.10E-09	4.20E-10	2.09E-11	4.41E-10	2.16E-09	9.88E-11	2.26E-09	2.56E-10	1.10E-11	2.67E-10
1217	436831.57	3725320.79	2.01E-09	8.29E-11	2.10E-09	4.20E-10	2.09E-11	4.41E-10	2.16E-09	9.88E-11	2.26E-09	2.56E-10	1.10E-11	2.67E-10
1218	436831.93	3725311.11	2.01E-09	8.29E-11	2.10E-09	4.20E-10	2.08E-11	4.41E-10	2.16E-09	9.87E-11	2.26E-09	2.56E-10	1.10E-11	2.67E-10
1219	436832.29	3725301.43	2.01E-09	8.28E-11	2.10E-09	4.20E-10	2.08E-11	4.41E-10	2.16E-09	9.86E-11	2.26E-09	2.56E-10	1.10E-11	2.67E-10
1220	436832.66	3725291.75	2.01E-09	8.27E-11	2.10E-09	4.21E-10	2.08E-11	4.41E-10	2.16E-09	9.85E-11	2.26E-09	2.56E-10	1.10E-11	2.67E-10
1221	436834.82	3725233.67	2.02E-09	8.23E-11	2.10E-09	4.21E-10	2.06E-11	4.42E-10	2.17E-09	9.78E-11	2.27E-09	2.57E-10	1.09E-11	2.68E-10
1222	436835.18	3725223.99	2.03E-09	8.24E-11	2.11E-09	4.23E-10	2.07E-11	4.44E-10	2.18E-09	9.80E-11	2.28E-09	2.58E-10	1.09E-11	2.69E-10
1223	436835.54	3725214.3	2.04E-09	8.26E-11	2.12E-09	4.25E-10	2.07E-11	4.45E-10	2.19E-09	9.81E-11	2.28E-09	2.59E-10	1.09E-11	2.70E-10
1224	436835.9	3725204.62	2.04E-09	8.27E-11	2.12E-09	4.26E-10	2.07E-11	4.47E-10	2.19E-09	9.82E-11	2.29E-09	2.60E-10	1.09E-11	2.71E-10
1225	436836.26	3725194.94	2.04E-09	8.24E-11	2.12E-09	4.26E-10	2.06E-11	4.46E-10	2.19E-09	9.77E-11	2.29E-09	2.59E-10	1.09E-11	2.70E-10
1226	436838.79	3725127.18	1.99E-09	7.83E-11	2.07E-09	4.14E-10	1.95E-11	4.34E-10	2.13E-09	9.24E-11	2.23E-09	2.52E-10	1.03E-11	2.62E-10
1227	436839.15	3725117.5	1.98E-09	7.75E-11	2.05E-09	4.12E-10	1.93E-11	4.31E-10	2.12E-09	9.13E-11	2.21E-09	2.50E-10	1.01E-11	2.60E-10
1228	436839.51	3725107.82	1.96E-09	7.66E-11	2.04E-09	4.09E-10	1.90E-11	4.28E-10	2.11E-09	9.01E-11	2.20E-09	2.48E-10	1.00E-11	2.58E-10
1229	436839.87	3725098.14	1.95E-09	7.57E-11	2.02E-09	4.06E-10	1.88E-11	4.24E-10	2.09E-09	8.89E-11	2.18E-09	2.46E-10	9.87E-12	2.56E-10
1230	436792.87	3725333.58	1.84E-09	7.49E-11	1.91E-09	3.83E-10	1.88E-11	4.02E-10	1.97E-09	8.90E-11	2.06E-09	2.33E-10	9.91E-12	2.43E-10
1231	436793.23	3725324	1.84E-09	7.50E-11	1.91E-09	3.84E-10	1.88E-11	4.02E-10	1.98E-09	8.90E-11	2.06E-09	2.34E-10	9.91E-12	2.44E-10
1232	436793.58	3725314.42	1.84E-09	7.49E-11	1.91E-09	3.84E-10	1.88E-11	4.02E-10	1.98E-09	8.89E-11	2.06E-09	2.34E-10	9.90E-12	2.43E-10
1233	436793.94	3725304.85	1.84E-09	7.49E-11	1.91E-09	3.84E-10	1.88E-11	4.02E-10	1.98E-09	8.89E-11	2.06E-09	2.34E-10	9.90E-12	2.43E-10
1234	436794.3	3725295.27	1.84E-09	7.48E-11	1.91E-09	3.84E-10	1.87E-11	4.02E-10	1.98E-09	8.88E-11	2.06E-09	2.34E-10	9.89E-12	2.43E-10
1235	436794.66	3725285.69	1.84E-09	7.48E-11	1.92E-09	3.84E-10	1.88E-11	4.03E-10	1.98E-09	8.88E-11	2.07E-09	2.34E-10	9.89E-12	2.44E-10
1236	436796.8	3725228.22	1.85E-09	7.48E-11	1.93E-09	3.86E-10	1.87E-11	4.05E-10	1.99E-09	8.87E-11	2.08E-09	2.35E-10	9.88E-12	2.45E-10
1237	436797.15	3725218.64	1.85E-09	7.48E-11	1.93E-09	3.86E-10	1.87E-11	4.05E-10	1.99E-09	8.86E-11	2.08E-09	2.35E-10	9.86E-12	2.45E-10
1238	436797.51	3725209.07	1.85E-09	7.47E-11	1.93E-09	3.87E-10	1.87E-11	4.05E-10	1.99E-09	8.85E-11	2.08E-09	2.35E-10	9.85E-12	2.45E-10
1239	436797.87	3725199.49	1.85E-09	7.45E-11	1.93E-09	3.86E-10	1.86E-11	4.05E-10	1.99E-09	8.83E-11	2.08E-09	2.35E-10	9.82E-12	2.45E-10
1240	436800.72	3725122.87	1.82E-09	7.16E-11	1.89E-09	3.79E-10	1.78E-11	3.97E-10	1.95E-09	8.43E-11	2.04E-09	2.30E-10	9.36E-12	2.40E-10
1241	436801.08	3725113.29	1.81E-09	7.11E-11	1.88E-09	3.78E-10	1.77E-11	3.95E-10	1.95E-09	8.36E-11	2.03E-09	2.29E-10	9.28E-12	2.39E-10
1242	436801.43	3725103.71	1.81E-09	7.05E-11	1.88E-09	3.76E-10	1.75E-11	3.93E-10	1.94E-09	8.28E-11	2.02E-09	2.28E-10	9.19E-12	2.37E-10
1243	436801.79	3725094.13	1.80E-09	6.99E-11	1.87E-09	3.74E-10	1.73E-11	3.91E-10	1.93E-09	8.20E-11	2.01E-09	2.27E-10	9.10E-12	2.36E-10
1244	436802.15	3725084.55	1.79E-09	6.92E-11	1.86E-09	3.72E-10	1.71E-11	3.90E-10	1.92E-09	8.12E-11	2.00E-09	2.26E-10	9.00E-12	2.35E-10

1245	436771.94	3725605.14	1.76E-09	7.31E-11	1.83E-09	3.67E-10	1.84E-11	3.85E-10	1.89E-09	8.71E-11	1.98E-09	2.24E-10	9.71E-12	2.33E-10
1246	436766.76	3725596.97	1.74E-09	7.23E-11	1.82E-09	3.64E-10	1.82E-11	3.82E-10	1.87E-09	8.62E-11	1.96E-09	2.22E-10	9.60E-12	2.31E-10
1247	436750.73	3725438.7	1.70E-09	6.96E-11	1.77E-09	3.55E-10	1.74E-11	3.73E-10	1.83E-09	8.26E-11	1.91E-09	2.16E-10	9.20E-12	2.25E-10
1248	436751.09	3725429.03	1.71E-09	6.96E-11	1.78E-09	3.56E-10	1.74E-11	3.73E-10	1.83E-09	8.26E-11	1.91E-09	2.16E-10	9.20E-12	2.26E-10
1249	436754.69	3725332.41	1.70E-09	6.86E-11	1.77E-09	3.54E-10	1.72E-11	3.71E-10	1.82E-09	8.13E-11	1.91E-09	2.15E-10	9.04E-12	2.24E-10
1250	436755.05	3725322.75	1.70E-09	6.86E-11	1.77E-09	3.54E-10	1.71E-11	3.71E-10	1.82E-09	8.12E-11	1.90E-09	2.15E-10	9.03E-12	2.24E-10
1251	436755.41	3725313.09	1.70E-09	6.85E-11	1.76E-09	3.53E-10	1.71E-11	3.71E-10	1.82E-09	8.11E-11	1.90E-09	2.15E-10	9.02E-12	2.24E-10
1252	436755.77	3725303.42	1.69E-09	6.83E-11	1.76E-09	3.53E-10	1.71E-11	3.70E-10	1.82E-09	8.09E-11	1.90E-09	2.15E-10	9.00E-12	2.24E-10
1253	436756.13	3725293.76	1.69E-09	6.83E-11	1.76E-09	3.53E-10	1.71E-11	3.70E-10	1.82E-09	8.08E-11	1.90E-09	2.15E-10	8.99E-12	2.24E-10
1254	436758.29	3725235.79	1.70E-09	6.83E-11	1.77E-09	3.54E-10	1.71E-11	3.71E-10	1.83E-09	8.09E-11	1.91E-09	2.16E-10	8.99E-12	2.25E-10
1255	436758.65	3725226.12	1.70E-09	6.83E-11	1.77E-09	3.55E-10	1.71E-11	3.72E-10	1.83E-09	8.08E-11	1.91E-09	2.16E-10	8.99E-12	2.25E-10
1256	436759.01	3725216.46	1.70E-09	6.83E-11	1.77E-09	3.55E-10	1.71E-11	3.72E-10	1.83E-09	8.08E-11	1.91E-09	2.16E-10	8.98E-12	2.25E-10
1257	436759.37	3725206.8	1.70E-09	6.82E-11	1.77E-09	3.55E-10	1.70E-11	3.72E-10	1.83E-09	8.07E-11	1.91E-09	2.16E-10	8.97E-12	2.25E-10
1258	436759.73	3725197.14	1.70E-09	6.80E-11	1.77E-09	3.54E-10	1.70E-11	3.71E-10	1.83E-09	8.04E-11	1.91E-09	2.15E-10	8.94E-12	2.24E-10
1259	436762.25	3725129.5	1.68E-09	6.61E-11	1.74E-09	3.49E-10	1.64E-11	3.66E-10	1.80E-09	7.78E-11	1.88E-09	2.12E-10	8.64E-12	2.21E-10
1260	436762.61	3725119.84	1.67E-09	6.58E-11	1.74E-09	3.49E-10	1.63E-11	3.65E-10	1.80E-09	7.74E-11	1.87E-09	2.12E-10	8.59E-12	2.20E-10
1261	436762.97	3725110.18	1.67E-09	6.55E-11	1.74E-09	3.49E-10	1.63E-11	3.65E-10	1.80E-09	7.70E-11	1.87E-09	2.12E-10	8.55E-12	2.20E-10
1262	436763.33	3725100.51	1.68E-09	6.54E-11	1.74E-09	3.49E-10	1.62E-11	3.65E-10	1.80E-09	7.68E-11	1.88E-09	2.12E-10	8.52E-12	2.20E-10
1263	436763.69	3725090.85	1.68E-09	6.52E-11	1.74E-09	3.49E-10	1.61E-11	3.65E-10	1.80E-09	7.65E-11	1.88E-09	2.12E-10	8.48E-12	2.20E-10
1264	436764.05	3725081.19	1.67E-09	6.48E-11	1.74E-09	3.48E-10	1.60E-11	3.65E-10	1.80E-09	7.60E-11	1.87E-09	2.11E-10	8.43E-12	2.20E-10
1265	436779.24	3725687.97	1.83E-09	7.66E-11	1.91E-09	3.82E-10	1.93E-11	4.01E-10	1.97E-09	9.14E-11	2.06E-09	2.33E-10	1.02E-11	2.43E-10
1266	436774.11	3725679.88	1.81E-09	7.57E-11	1.89E-09	3.78E-10	1.91E-11	3.97E-10	1.95E-09	9.04E-11	2.04E-09	2.31E-10	1.01E-11	2.41E-10
1267	436768.98	3725671.79	1.79E-09	7.47E-11	1.87E-09	3.74E-10	1.88E-11	3.93E-10	1.93E-09	8.91E-11	2.01E-09	2.28E-10	9.94E-12	2.38E-10
1268	436763.85	3725663.71	1.77E-09	7.36E-11	1.84E-09	3.69E-10	1.85E-11	3.88E-10	1.90E-09	8.78E-11	1.99E-09	2.25E-10	9.79E-12	2.35E-10
1269	436758.72	3725655.62	1.75E-09	7.25E-11	1.82E-09	3.65E-10	1.82E-11	3.83E-10	1.88E-09	8.64E-11	1.96E-09	2.22E-10	9.63E-12	2.32E-10
1270	436753.59	3725647.53	1.73E-09	7.14E-11	1.80E-09	3.60E-10	1.80E-11	3.78E-10	1.85E-09	8.51E-11	1.94E-09	2.19E-10	9.48E-12	2.29E-10
1271	436748.47	3725639.44	1.71E-09	7.05E-11	1.78E-09	3.56E-10	1.77E-11	3.73E-10	1.83E-09	8.39E-11	1.92E-09	2.17E-10	9.35E-12	2.26E-10
1272	436743.34	3725631.36	1.69E-09	6.96E-11	1.76E-09	3.52E-10	1.75E-11	3.69E-10	1.81E-09	8.28E-11	1.89E-09	2.14E-10	9.23E-12	2.23E-10
1273	436738.21	3725623.27	1.67E-09	6.88E-11	1.74E-09	3.48E-10	1.73E-11	3.65E-10	1.79E-09	8.18E-11	1.87E-09	2.12E-10	9.12E-12	2.21E-10
1274	436712.43	3725440.77	1.62E-09	6.55E-11	1.68E-09	3.37E-10	1.64E-11	3.53E-10	1.73E-09	7.77E-11	1.81E-09	2.05E-10	8.64E-12	2.13E-10
1275	436712.78	3725431.2	1.62E-09	6.56E-11	1.69E-09	3.37E-10	1.64E-11	3.54E-10	1.74E-09	7.78E-11	1.82E-09	2.05E-10	8.65E-12	2.14E-10
1276	436713.14	3725421.63	1.62E-09	6.57E-11	1.69E-09	3.38E-10	1.64E-11	3.54E-10	1.74E-09	7.78E-11	1.82E-09	2.06E-10	8.66E-12	2.14E-10
1277	436716.35	3725335.5	1.58E-09	6.33E-11	1.64E-09	3.29E-10	1.58E-11	3.45E-10	1.70E-09	7.47E-11	1.77E-09	2.00E-10	8.31E-12	2.08E-10
1278	436716.7	3725325.93	1.58E-09	6.32E-11	1.64E-09	3.28E-10	1.58E-11	3.44E-10	1.69E-09	7.46E-11	1.77E-09	2.00E-10	8.29E-12	2.08E-10
1279	436717.06	3725316.36	1.57E-09	6.30E-11	1.64E-09	3.28E-10	1.57E-11	3.44E-10	1.69E-09	7.44E-11	1.76E-09	1.99E-10	8.27E-12	2.07E-10
1280	436717.42	3725306.79	1.57E-09	6.29E-11	1.63E-09	3.27E-10	1.57E-11	3.43E-10	1.69E-09	7.42E-11	1.76E-09	1.99E-10	8.25E-12	2.07E-10
1281	436717.77	3725297.22	1.57E-09	6.27E-11	1.63E-09	3.27E-10	1.56E-11	3.42E-10	1.68E-09	7.41E-11	1.76E-09	1.98E-10	8.23E-12	2.07E-10
1282	436719.91	3725239.8	1.57E-09	6.27E-11	1.63E-09	3.27E-10	1.56E-11	3.43E-10	1.69E-09	7.40E-11	1.76E-09	1.99E-10	8.22E-12	2.07E-10
1283	436720.27	3725230.23	1.57E-09	6.27E-11	1.63E-09	3.27E-10	1.56E-11	3.43E-10	1.69E-09	7.40E-11	1.76E-09	1.99E-10	8.22E-12	2.07E-10
1284	436720.63	3725220.66	1.57E-09	6.26E-11	1.63E-09	3.27E-10	1.56E-11	3.43E-10	1.69E-09	7.39E-11	1.76E-09	1.99E-10	8.21E-12	2.07E-10
1285	436720.98	3725211.09	1.57E-09	6.26E-11	1.63E-09	3.27E-10	1.56E-11	3.43E-10	1.69E-09	7.38E-11	1.76E-09	1.99E-10	8.20E-12	2.07E-10
1286	436721.34	3725201.52	1.57E-09	6.25E-11	1.63E-09	3.27E-10	1.56E-11	3.42E-10	1.68E-09	7.37E-11	1.76E-09	1.98E-10	8.19E-12	2.07E-10
1287	436721.7	3725191.95	1.57E-09	6.23E-11	1.63E-09	3.27E-10	1.55E-11	3.42E-10	1.68E-09	7.35E-11	1.76E-09	1.98E-10	8.17E-12	2.07E-10
1288	436724.55	3725115.39	1.56E-09	6.11E-11	1.62E-09	3.24E-10	1.51E-11	3.40E-10	1.67E-09	7.17E-11	1.75E-09	1.97E-10	7.96E-12	2.05E-10
1289	436724.9	3725105.82	1.57E-09	6.11E-11	1.63E-09	3.26E-10	1.52E-11	3.41E-10	1.68E-09	7.18E-11	1.75E-09	1.98E-10	7.96E-12	2.06E-10
1290	436725.26	3725096.25	1.57E-09	6.12E-11	1.63E-09	3.27E-10	1.52E-11	3.42E-10	1.69E-09	7.18E-11	1.76E-09	1.98E-10	7.97E-12	2.06E-10
1291	436725.62	3725086.68	1.58E-09	6.13E-11	1.64E-09	3.28E-10	1.52E-11	3.43E-10	1.69E-09	7.19E-11	1.77E-09	1.99E-10	7.97E-12	2.07E-10
1292	436751.55	3725715.63	1.72E-09	7.13E-11	1.79E-09	3.59E-10	1.79E-11	3.77E-10	1.85E-09	8.49E-11	1.93E-09	2.19E-10	9.47E-12	2.28E-10
1293	436746.38	3725707.48	1.71E-09	7.10E-11	1.79E-09	3.58E-10	1.78E-11	3.75E-10	1.84E-09	8.45E-11	1.93E-09	2.18E-10	9.41E-12	2.27E-10
1294	436741.21	3725699.32	1.71E-09	7.06E-11	1.78E-09	3.56E-10	1.77E-11	3.74E-10	1.83E-09	8.40E-11	1.92E-09	2.17E-10	9.36E-12	2.26E-10
1295	436736.03	3725691.17	1.69E-09	7.00E-11	1.76E-09	3.53E-10	1.76E-11	3.71E-10	1.82E-09	8.32E-11	1.90E-09	2.15E-10	9.27E-12	2.24E-10
1296	436730.86	3725683.02	1.68E-09	6.92E-11	1.75E-09	3.50E-10	1.74E-11	3.67E-10	1.80E-09	8.23E-11	1.88E-09	2.13E-10	9.16E-12	2.22E-10
1297	436725.69	3725674.86	1.66E-09	6.83E-11	1.73E-09	3.46E-10	1.72E-11	3.63E-10	1.78E-09	8.12E-11	1.86E-09	2.11E-10	9.05E-12	2.20E-10
1298	436720.52	3725666.71	1.64E-09	6.74E-11	1.71E-09	3.42E-10	1.69E-11	3.59E-10	1.76E-09	8.01E-11	1.84E-09	2.08E-10	8.92E-12	2.17E-10
1299	436715.35	3725658.56	1.62E-09	6.65E-11	1.69E-09	3.38E-10	1.67E-11	3.55E-10	1.74E-09	7.90E-11	1.82E-09	2.06E-10	8.79E-12	2.14E-10
1300	436710.18	3725650.4	1.60E-09	6.57E-11	1.67E-09	3.34E-10	1.65E-11	3.51E-10	1.72E-09	7.80E-11	1.80E-09	2.03E-10	8.68E-12	2.12E-10
1301	436705.01	3725642.25	1.59E-09	6.50E-11	1.65E-09	3.31E-10	1.63E-11	3.47E-10	1.71E-09	7.71E-11	1.78E-09	2.01E-10	8.59E-12	2.10E-10
1302	436670.62	3725536.94	1.48E-09	6.01E-11	1.54E-09	3.09E-10	1.50E-11	3.24E-10	1.59E-09	7.11E-11	1.66E-09	1.88E-10	7.91E-12	1.96E-10
1303	436670.98	3725527.3	1.49E-09	6.02E-11	1.55E-09	3.10E-10	1.50E-11	3.25E-10	1.60E-09	7.13E-11	1.67E-09	1.88E-10	7.93E-12	1.96E-10
1304	436674.21	3725440.47	1.53E-09	6.15E-11	1.59E-09	3.18E-10	1.54E-11	3.33E-10	1.64E-09	7.27E-11	1.71E-09	1.93E-10	8.09E-12	2.01E-10
1305	436674.57	3725430.82	1.53E-09	6.15E-11	1.59E-09	3.18E-10	1.54E-11	3.34E-10	1.64E-09	7.27E-11	1.71E-09	1.93E-10	8.09E-12	2.01E-10
1306	436674.93	3725421.17	1.53E-09	6.15E-11	1.59E-09	3.19E-10	1.54E-11	3.34E-10	1.64E-09	7.27E-11	1.71E-09	1.94E-10	8.08E-12	2.02E-10
1307	436675.29	3725411.53	1.53E-09	6.15E-11	1.59E-09	3.19E-10	1.53E-11	3.34E-10	1.64E-09	7.27E-11	1.72E-09	1.94E-10	8.08E-12	2.02E-10
1308	436678.17	3725334.35	1.48E-09	5.89E-11	1.54E-09	3.08E-10	1.47E-11	3.23E-10	1.59E-09	6.95E-11	1.66E-09	1.87E-10	7.72E-12	1.95E-10
1309	436678.52	3725324.7	1.48E-09	5.87E-11	1.53E-09	3.07E-10	1.46E-11	3.22E-10	1.58E-09	6.92E-11	1.65E-09	1.86E-10	7.68E-12	1.94E-10
1310	436678.88	3725315.05	1.47E-09	5.85E-11	1.53E-09	3.06E-10	1.46E-11	3.21E-10	1.58E-09	6.89E-11	1.65E-09	1.86E-10	7.66E-12	1.94E-10
1311	436679.24	3725305.4	1.47E-09	5.83E-11	1.53E-09	3.06E-10	1.45E-11	3.20E-10	1.58E-09	6.87E-11	1.65E-09	1.86E-10	7.63E-12	1.93E-10
1312	436679.6	3725295.76	1.47E-09	5.82E-11	1.52E-09	3.05E-10	1.45E-11	3.20E-10	1.57E-09	6.86E-11	1.64E-09	1.85E-10	7.62E-12	1.93E-10
1313	436681.76	3725237.87	1.46E-09	5.81E-11	1.52E-09	3.05E-10	1.44E-11	3.19E-10	1.57E-09	6.84E-11	1.64E-09	1.85E-10	7.60E-12	1.92E-10
1314	436682.12	3725228.22	1.46E-09	5.80E-11	1.52E-09	3.05E-10	1.44E-11	3.19E-10	1.57E-09	6.84E-11	1.64E-09	1.85E-10	7.59E-12	1.92E-10
1315	436682.48	3725218.58	1.46E-09	5.80E-11	1.52E-09	3.04E-10	1.44E-11	3.19E-10	1.57E-09	6.83E-11	1.64E-09	1.85E-10	7.59E-12	1.92E-10
1316	436682.84	3725208.93	1.46E-09	5.79E-11	1.52E-09	3.04E-10	1.44E-11	3.19E-10	1.57E-09	6.83E-11	1.64E-09	1.85E-10	7.58E-12	1.92E-10
1317	436683.2	3725199.28	1.46E-09	5.79E-11	1.52E-09	3.04E-10	1.44E-11	3.19E-10	1.57E-09	6.82E-11	1.64E-09	1.85E-10	7.57E-12	1.92E-10
1318	436686.43	3725112.45	1.47E-09	5.73E-11	1.52E-09	3.05E-10	1.42E-11	3.19E-10	1.57E-09	6.72E-11	1.64E-09	1.85E-10	7.45E-12	1.92E-10
1319	436686.79	3725102.81	1.46E-09	5.70E-11	1.52E-09	3.04E-10	1.41E-11	3.18E-10	1.57E-09	6.69E-11	1.64E-09	1.84E-10	7.42E-12	1.92E-10
1320	436687.15	3725093.16	1.46E-09	5.68E-11	1.52E-09	3.04E-10	1.41E-11	3.18E-10	1.57E-09	6.66E-11	1.63E-09	1.84E-10	7.38E-12	1.92E-10
1321	436712.21	3725724.93	1.61E-09	6.58E-11	1.67E-09	3.35E-10	1.65E-11	3.51E-10	1.72E-09	7.81E-11	1.80E-09	2.04E-10	8.69E-12	2.12E-10
1322	436707.08	3725716.84	1.60E-09	6.53E-11	1.66E-09	3.33E-10	1.64E-11	3.49E-10	1.71E-09	7.76E-11	1.79E-09	2.02E-10	8.63E-12	2.11E-10

1323	436701.96	3725708.76	1.58E-09	6.47E-11	1.65E-09	3.30E-10	1.62E-11	3.46E-10	1.70E-09	7.67E-11	1.77E-09	2.00E-10	8.54E-12	2.09E-10
1324	436696.83	3725700.68	1.57E-09	6.40E-11	1.63E-09	3.27E-10	1.60E-11	3.43E-10	1.68E-09	7.59E-11	1.76E-09	1.99E-10	8.45E-12	2.07E-10
1325	436691.71	3725692.6	1.55E-09	6.33E-11	1.62E-09	3.24E-10	1.59E-11	3.40E-10	1.67E-09	7.51E-11	1.74E-09	1.97E-10	8.36E-12	2.05E-10
1326	436686.58	3725684.52	1.54E-09	6.27E-11	1.60E-09	3.21E-10	1.57E-11	3.37E-10	1.65E-09	7.43E-11	1.73E-09	1.95E-10	8.27E-12	2.03E-10
1327	436681.46	3725676.43	1.53E-09	6.21E-11	1.59E-09	3.18E-10	1.55E-11	3.34E-10	1.64E-09	7.36E-11	1.71E-09	1.93E-10	8.18E-12	2.02E-10
1328	436676.33	3725668.35	1.51E-09	6.14E-11	1.57E-09	3.15E-10	1.54E-11	3.31E-10	1.62E-09	7.28E-11	1.70E-09	1.92E-10	8.10E-12	2.00E-10
1329	436671.21	3725660.27	1.50E-09	6.08E-11	1.56E-09	3.12E-10	1.52E-11	3.28E-10	1.61E-09	7.20E-11	1.68E-09	1.90E-10	8.01E-12	1.98E-10
1330	436666.08	3725652.19	1.49E-09	6.02E-11	1.55E-09	3.10E-10	1.51E-11	3.25E-10	1.60E-09	7.13E-11	1.67E-09	1.88E-10	7.93E-12	1.96E-10
1331	436660.96	3725644.11	1.47E-09	5.97E-11	1.53E-09	3.07E-10	1.49E-11	3.22E-10	1.58E-09	7.06E-11	1.65E-09	1.87E-10	7.85E-12	1.95E-10
1332	436655.83	3725636.03	1.46E-09	5.91E-11	1.52E-09	3.04E-10	1.48E-11	3.19E-10	1.57E-09	6.99E-11	1.64E-09	1.85E-10	7.77E-12	1.93E-10
1333	436650.71	3725627.94	1.45E-09	5.85E-11	1.51E-09	3.02E-10	1.46E-11	3.16E-10	1.56E-09	6.92E-11	1.62E-09	1.83E-10	7.70E-12	1.91E-10
1334	436645.58	3725619.86	1.44E-09	5.80E-11	1.49E-09	2.99E-10	1.45E-11	3.14E-10	1.54E-09	6.85E-11	1.61E-09	1.82E-10	7.62E-12	1.89E-10
1335	436640.46	3725611.78	1.42E-09	5.74E-11	1.48E-09	2.97E-10	1.43E-11	3.11E-10	1.53E-09	6.79E-11	1.60E-09	1.80E-10	7.55E-12	1.88E-10
1336	436635.33	3725603.7	1.41E-09	5.69E-11	1.47E-09	2.94E-10	1.42E-11	3.08E-10	1.52E-09	6.72E-11	1.58E-09	1.79E-10	7.47E-12	1.86E-10
1337	436630.56	3725586.05	1.40E-09	5.62E-11	1.45E-09	2.91E-10	1.40E-11	3.05E-10	1.50E-09	6.64E-11	1.57E-09	1.77E-10	7.38E-12	1.84E-10
1338	436630.92	3725576.49	1.40E-09	5.62E-11	1.45E-09	2.91E-10	1.40E-11	3.05E-10	1.50E-09	6.64E-11	1.57E-09	1.77E-10	7.38E-12	1.84E-10
1339	436631.27	3725566.93	1.40E-09	5.61E-11	1.45E-09	2.91E-10	1.40E-11	3.05E-10	1.50E-09	6.63E-11	1.56E-09	1.76E-10	7.37E-12	1.84E-10
1340	436631.63	3725557.36	1.40E-09	5.63E-11	1.46E-09	2.92E-10	1.41E-11	3.06E-10	1.50E-09	6.66E-11	1.57E-09	1.77E-10	7.40E-12	1.84E-10
1341	436631.99	3725547.8	1.41E-09	5.66E-11	1.46E-09	2.93E-10	1.41E-11	3.07E-10	1.51E-09	6.69E-11	1.58E-09	1.78E-10	7.43E-12	1.85E-10
1342	436632.34	3725538.24	1.41E-09	5.67E-11	1.47E-09	2.94E-10	1.42E-11	3.08E-10	1.51E-09	6.70E-11	1.58E-09	1.78E-10	7.45E-12	1.86E-10
1343	436632.7	3725528.67	1.41E-09	5.68E-11	1.47E-09	2.94E-10	1.42E-11	3.08E-10	1.51E-09	6.71E-11	1.58E-09	1.78E-10	7.46E-12	1.86E-10
1344	436633.06	3725519.11	1.41E-09	5.68E-11	1.47E-09	2.94E-10	1.42E-11	3.08E-10	1.52E-09	6.71E-11	1.58E-09	1.79E-10	7.46E-12	1.86E-10
1345	436633.41	3725509.55	1.41E-09	5.68E-11	1.47E-09	2.95E-10	1.42E-11	3.09E-10	1.52E-09	6.71E-11	1.59E-09	1.79E-10	7.46E-12	1.86E-10
1346	436643.39	3725241.78	1.37E-09	5.41E-11	1.43E-09	2.85E-10	1.34E-11	2.99E-10	1.47E-09	6.36E-11	1.54E-09	1.73E-10	7.06E-12	1.80E-10
1347	437682.24	3725420.92	7.22E-07	1.75E-08	7.39E-07	1.45E-07	3.40E-09	1.48E-07	7.69E-07	1.60E-08	7.85E-07	8.24E-08	1.61E-09	8.40E-08
1348	437675.98	3725428.73	5.86E-07	1.64E-08	6.02E-07	1.18E-07	3.47E-09	1.22E-07	6.25E-07	1.64E-08	6.41E-07	6.80E-08	1.71E-09	6.97E-08
1349	437669.73	3725436.53	4.97E-07	1.64E-08	5.14E-07	1.01E-07	3.72E-09	1.05E-07	5.31E-07	1.76E-08	5.48E-07	5.89E-08	1.89E-09	6.08E-08
1350	437663.47	3725444.33	4.40E-07	1.72E-08	4.57E-07	9.01E-08	4.16E-09	9.42E-08	4.70E-07	1.97E-08	4.90E-07	5.34E-08	2.16E-09	5.55E-08
1351	437657.22	3725452.13	4.06E-07	1.91E-08	4.25E-07	8.40E-08	4.83E-09	8.88E-08	4.34E-07	2.29E-08	4.57E-07	5.06E-08	2.56E-09	5.32E-08
1352	437645.14	3725455.27	3.94E-07	2.22E-08	4.16E-07	8.25E-08	5.86E-09	8.84E-08	4.22E-07	2.78E-08	4.50E-07	5.08E-08	3.15E-09	5.40E-08
1353	437638.89	3725463.07	4.03E-07	2.72E-08	4.30E-07	8.56E-08	7.38E-09	9.30E-08	4.33E-07	3.50E-08	4.68E-07	5.39E-08	4.00E-09	5.79E-08
1354	437631.42	3725680.97	8.11E-08	6.45E-09	8.76E-08	1.75E-08	1.80E-09	1.93E-08	8.75E-08	8.52E-09	9.61E-08	1.13E-08	9.81E-10	1.23E-08
1355	437617.33	3725676.34	8.43E-08	6.94E-09	9.12E-08	1.83E-08	1.94E-09	2.02E-08	9.10E-08	9.21E-09	1.00E-07	1.19E-08	1.06E-09	1.29E-08
1356	437603.23	3725671.71	8.70E-08	7.38E-09	9.44E-08	1.89E-08	2.07E-09	2.10E-08	9.40E-08	9.84E-09	1.04E-07	1.24E-08	1.13E-09	1.35E-08
1357	437660.98	3725710.11	6.42E-08	4.60E-09	6.88E-08	1.37E-08	1.26E-09	1.50E-08	6.91E-08	6.00E-09	7.51E-08	8.76E-09	6.88E-10	9.45E-09
1358	437646.85	3725705.47	6.61E-08	4.92E-09	7.10E-08	1.42E-08	1.36E-09	1.56E-08	7.13E-08	6.44E-09	7.77E-08	9.10E-09	7.40E-10	9.84E-09
1359	437632.72	3725700.83	6.84E-08	5.27E-09	7.37E-08	1.47E-08	1.46E-09	1.62E-08	7.38E-08	6.94E-09	8.07E-08	9.49E-09	7.98E-10	1.03E-08
1360	437618.59	3725696.19	7.05E-08	5.61E-09	7.61E-08	1.53E-08	1.56E-09	1.68E-08	7.61E-08	7.42E-09	8.35E-08	9.86E-09	8.54E-10	1.07E-08
1361	437604.46	3725691.55	7.19E-08	5.89E-09	7.78E-08	1.56E-08	1.65E-09	1.72E-08	7.77E-08	7.81E-09	8.55E-08	1.01E-08	9.00E-10	1.10E-08
1362	437590.33	3725686.91	7.27E-08	6.10E-09	7.88E-08	1.58E-08	1.71E-09	1.75E-08	7.85E-08	8.12E-09	8.66E-08	1.03E-08	9.36E-10	1.12E-08
1363	437576.2	3725682.26	7.34E-08	6.30E-09	7.97E-08	1.60E-08	1.77E-09	1.78E-08	7.93E-08	8.40E-09	8.77E-08	1.05E-08	9.70E-10	1.14E-08
1364	437578.03	3725712.02	5.73E-08	4.67E-09	6.20E-08	1.24E-08	1.31E-09	1.37E-08	6.19E-08	6.20E-09	6.81E-08	8.07E-09	7.14E-10	8.78E-09
1365	437563.86	3725707.36	5.70E-08	4.72E-09	6.17E-08	1.24E-08	1.32E-09	1.37E-08	6.15E-08	6.28E-09	6.78E-08	8.06E-09	7.24E-10	8.78E-09
1366	437549.69	3725702.71	5.57E-08	4.68E-09	6.04E-08	1.21E-08	1.31E-09	1.34E-08	6.02E-08	6.24E-09	6.64E-08	7.91E-09	7.20E-10	8.63E-09
1367	437721.99	3725788.47	3.99E-08	2.37E-09	4.22E-08	8.42E-09	6.32E-10	9.05E-09	4.29E-08	3.00E-09	4.59E-08	5.25E-09	3.41E-10	5.59E-09
1368	437707.78	3725783.8	4.07E-08	2.49E-09	4.32E-08	8.62E-09	6.70E-10	9.29E-09	4.38E-08	3.18E-09	4.70E-08	5.39E-09	3.62E-10	5.75E-09
1369	437693.58	3725779.13	4.16E-08	2.63E-09	4.42E-08	8.82E-09	7.09E-10	9.53E-09	4.47E-08	3.36E-09	4.81E-08	5.54E-09	3.83E-10	5.92E-09
1370	437752.28	3725821.98	3.39E-08	1.88E-09	3.58E-08	7.14E-09	4.96E-10	7.63E-09	3.65E-08	2.35E-09	3.88E-08	4.41E-09	2.67E-10	4.68E-09
1371	437738.48	3725823.04	3.34E-08	1.90E-09	3.53E-08	7.03E-09	5.03E-10	7.53E-09	3.59E-08	2.39E-09	3.83E-08	4.36E-09	2.71E-10	4.63E-09
1372	437724.25	3725818.36	3.38E-08	1.97E-09	3.57E-08	7.13E-09	5.26E-10	7.65E-09	3.63E-08	2.49E-09	3.88E-08	4.43E-09	2.83E-10	4.72E-09
1373	437710.01	3725813.69	3.41E-08	2.05E-09	3.62E-08	7.22E-09	5.49E-10	7.77E-09	3.67E-08	2.60E-09	3.93E-08	4.51E-09	2.96E-10	4.80E-09
1374	437695.78	3725809.01	3.48E-08	2.14E-09	3.69E-08	7.36E-09	5.77E-10	7.94E-09	3.74E-08	2.74E-09	4.01E-08	4.61E-09	3.12E-10	4.92E-09
1375	437681.54	3725804.33	3.54E-08	2.24E-09	3.76E-08	7.51E-09	6.06E-10	8.11E-09	3.80E-08	2.87E-09	4.09E-08	4.72E-09	3.28E-10	5.04E-09
1376	437553.43	3725762.24	3.63E-08	2.78E-09	3.91E-08	7.83E-09	7.71E-10	8.60E-09	3.91E-08	3.66E-09	4.28E-08	5.05E-09	4.21E-10	5.47E-09
1377	437539.19	3725757.57	3.54E-08	2.74E-09	3.82E-08	7.65E-09	7.62E-10	8.41E-09	3.82E-08	3.61E-09	4.18E-08	4.94E-09	4.16E-10	5.36E-09
1378	437524.96	3725752.89	3.44E-08	2.69E-09	3.71E-08	7.44E-09	7.47E-10	8.19E-09	3.72E-08	3.55E-09	4.07E-08	4.81E-09	4.08E-10	5.22E-09
1379	437774.66	3725841.66	3.15E-08	1.67E-09	3.32E-08	6.61E-09	4.38E-10	7.05E-09	3.38E-08	2.08E-09	3.59E-08	4.07E-09	2.35E-10	4.30E-09
1380	437761.28	3725848.47	3.04E-08	1.65E-09	3.20E-08	6.38E-09	4.34E-10	6.81E-09	3.26E-08	2.06E-09	3.47E-08	3.94E-09	2.33E-10	4.17E-09
1381	437740.78	3725852.95	2.92E-08	1.64E-09	3.09E-08	6.15E-09	4.34E-10	6.58E-09	3.14E-08	2.06E-09	3.34E-08	3.81E-09	2.33E-10	4.04E-09
1382	437726.52	3725848.26	2.93E-08	1.69E-09	3.10E-08	6.19E-09	4.49E-10	6.64E-09	3.15E-08	2.13E-09	3.37E-08	3.84E-09	2.42E-10	4.09E-09
1383	437598.17	3725806.1	3.09E-08	2.17E-09	3.31E-08	6.62E-09	5.95E-10	7.22E-09	3.33E-08	2.82E-09	3.61E-08	4.22E-09	3.24E-10	4.54E-09
1384	437583.91	3725801.41	3.09E-08	2.20E-09	3.31E-08	6.62E-09	6.05E-10	7.22E-09	3.33E-08	2.87E-09	3.61E-08	4.23E-09	3.29E-10	4.56E-09
1385	437569.65	3725796.73	3.06E-08	2.22E-09	3.28E-08	6.58E-09	6.11E-10	7.19E-09	3.30E-08	2.90E-09	3.59E-08	4.21E-09	3.33E-10	4.54E-09
1386	437555.39	3725792.04	3.02E-08	2.21E-09	3.24E-08	6.49E-09	6.11E-10	7.10E-09	3.26E-08	2.90E-09	3.55E-08	4.16E-09	3.33E-10	4.50E-09
1387	437541.13	3725787.36	2.95E-08	2.18E-09	3.17E-08	6.35E-09	6.04E-10	6.96E-09	3.18E-08	2.87E-09	3.47E-08	4.08E-09	3.29E-10	4.41E-09
1388	437526.87	3725782.67	2.87E-08	2.14E-09	3.08E-08	6.18E-09	5.93E-10	6.77E-09	3.09E-08	2.82E-09	3.38E-08	3.97E-09	3.23E-10	4.30E-09
1389	437810.49	3725854.48	3.04E-08	1.52E-09	3.20E-08	6.36E-09	3.92E-10	6.75E-09	3.27E-08	1.86E-09	3.45E-08	3.89E-09	2.09E-10	4.10E-09
1390	437797.1	3725861.31	2.95E-08	1.51E-09	3.10E-08	6.17E-09	3.92E-10	6.56E-09	3.17E-08	1.86E-09	3.35E-08	3.78E-09	2.09E-10	3.99E-09
1391	437783.7	3725868.14	2.85E-08	1.49E-09	3.00E-08	5.98E-09	3.90E-10	6.37E-09	3.06E-08	1.85E-09	3.25E-08	3.67E-09	2.08E-10	3.88E-09
1392	437770.31	3725874.96	2.76E-08	1.48E-09	2.91E-08	5.80E-09	3.87E-10	6.19E-09	2.97E-08	1.84E-09	3.15E-08	3.57E-09	2.07E-10	3.78E-09
1393	437614.53	3725840.62	2.58E-08	1.71E-09	2.75E-08	5.50E-09	4.66E-10	5.97E-09	2.78E-08	2.21E-09	3.00E-08	3.48E-09	2.53E-10	3.73E-09
1394	437600.24	3725835.93	2.58E-08	1.74E-09	2.76E-08	5.52E-09	4.76E-10	6.00E-09	2.78E-08	2.26E-09	3.01E-08	3.50E-09	2.59E-10	3.76E-09
1395	437557.4	3725821.86	2.54E-08	1.79E-09	2.72E-08	5.45E-09	4.92E-10	5.95E-09	2.74E-08	2.33E-09	2.98E-08	3.48E-09	2.68E-10	3.75E-09
1396	437833	3725874.1	2.84E-08	1.37E-09	2.98E-08	5.92E-09	3.52E-10	6.27E-09	3.05E-08	1.67E-09	3.22E-08	3.61E-09	1.87E-10	3.80E-09
1397	437819.59	3725880.94	2.77E-08	1.37E-09	2.90E-08	5.78E-09	3.53E-10	6.13E-09	2.97E-08	1.67E-09	3.14E-08	3.53E-09	1.88E-10	3.72E-09
1398	437806.17	3725887.77	2.69E-08	1.36E-09	2.82E-08	5.62E-09	3.52E-10	5.97E-09	2.89E-08	1.67E-09	3.05E-08	3.44E-09	1.88E-10	3.63E-09
1399	437792.76	3725894.61	2.61E-08	1.35E-09	2.75E-08	5.47E-09	3.51E-10	5.82E-09	2.80E-08	1.66E-09	2.97E-08	3.36E-09	1.87E-10	3.54E-09
1400	437645.25	3725879.87	2.25E-08	1.40E-09	2.39E-08	4.78E-09	3.78E-10	5.16E-09	2.42E-08	1.79E-09	2.60E-08	3.00E-09	2.04E-10	3.21E-09

1401	437630.95	3725875.17	2.23E-08	1.41E-09	2.37E-08	4.74E-09	3.81E-10	5.12E-09	2.40E-08	1.81E-09	2.58E-08	2.98E-09	2.06E-10	3.19E-09
1402	437616.65	3725870.47	2.21E-08	1.42E-09	2.35E-08	4.71E-09	3.85E-10	5.09E-09	2.38E-08	1.82E-09	2.56E-08	2.97E-09	2.08E-10	3.18E-09
1403	437602.35	3725865.78	2.20E-08	1.43E-09	2.34E-08	4.69E-09	3.90E-10	5.08E-09	2.37E-08	1.85E-09	2.56E-08	2.96E-09	2.11E-10	3.17E-09
1404	437855.54	3725893.7	2.63E-08	1.23E-09	2.75E-08	5.46E-09	3.13E-10	5.78E-09	2.82E-08	1.48E-09	2.96E-08	3.32E-09	1.66E-10	3.49E-09
1405	437842.12	3725900.54	2.57E-08	1.23E-09	2.70E-08	5.36E-09	3.16E-10	5.68E-09	2.76E-08	1.50E-09	2.91E-08	3.27E-09	1.68E-10	3.44E-09
1406	437828.69	3725907.39	2.52E-08	1.23E-09	2.64E-08	5.25E-09	3.17E-10	5.57E-09	2.70E-08	1.50E-09	2.85E-08	3.21E-09	1.69E-10	3.37E-09
1407	437815.26	3725914.23	2.45E-08	1.22E-09	2.57E-08	5.11E-09	3.16E-10	5.43E-09	2.63E-08	1.50E-09	2.78E-08	3.13E-09	1.68E-10	3.30E-09
1408	437801.83	3725921.07	2.38E-08	1.21E-09	2.50E-08	4.98E-09	3.14E-10	5.29E-09	2.55E-08	1.49E-09	2.70E-08	3.05E-09	1.68E-10	3.22E-09
1409	437788.4	3725927.91	2.31E-08	1.19E-09	2.43E-08	4.83E-09	3.12E-10	5.15E-09	2.48E-08	1.48E-09	2.63E-08	2.97E-09	1.67E-10	3.14E-09
1410	437690.39	3725923.85	2.09E-08	1.22E-09	2.22E-08	4.42E-09	3.25E-10	4.75E-09	2.25E-08	1.54E-09	2.41E-08	2.76E-09	1.75E-10	2.93E-09
1411	437676.07	3725919.15	2.07E-08	1.22E-09	2.20E-08	4.38E-09	3.28E-10	4.71E-09	2.23E-08	1.55E-09	2.38E-08	2.74E-09	1.77E-10	2.91E-09
1412	437878.12	3725913.28	2.43E-08	1.11E-09	2.54E-08	5.05E-09	2.80E-10	5.33E-09	2.61E-08	1.33E-09	2.74E-08	3.06E-09	1.48E-10	3.21E-09
1413	437864.68	3725920.13	2.39E-08	1.11E-09	2.50E-08	4.96E-09	2.82E-10	5.25E-09	2.56E-08	1.34E-09	2.69E-08	3.02E-09	1.50E-10	3.16E-09
1414	437851.24	3725926.98	2.34E-08	1.11E-09	2.45E-08	4.87E-09	2.84E-10	5.15E-09	2.51E-08	1.34E-09	2.64E-08	2.96E-09	1.51E-10	3.11E-09
1415	437837.79	3725933.83	2.28E-08	1.10E-09	2.39E-08	4.76E-09	2.84E-10	5.04E-09	2.45E-08	1.35E-09	2.58E-08	2.90E-09	1.51E-10	3.06E-09
1416	437824.35	3725940.68	2.22E-08	1.10E-09	2.33E-08	4.64E-09	2.83E-10	4.93E-09	2.39E-08	1.34E-09	2.52E-08	2.84E-09	1.51E-10	2.99E-09
1417	437810.9	3725947.53	2.16E-08	1.09E-09	2.27E-08	4.52E-09	2.81E-10	4.80E-09	2.32E-08	1.33E-09	2.45E-08	2.77E-09	1.50E-10	2.92E-09
1418	437797.46	3725954.38	2.10E-08	1.07E-09	2.21E-08	4.39E-09	2.79E-10	4.67E-09	2.25E-08	1.32E-09	2.39E-08	2.70E-09	1.49E-10	2.85E-09
1419	437735.63	3725967.87	1.92E-08	1.04E-09	2.02E-08	4.03E-09	2.75E-10	4.31E-09	2.06E-08	1.31E-09	2.19E-08	2.49E-09	1.48E-10	2.64E-09
1420	437721.29	3725963.16	1.91E-08	1.06E-09	2.02E-08	4.02E-09	2.80E-10	4.30E-09	2.05E-08	1.33E-09	2.19E-08	2.49E-09	1.50E-10	2.64E-09
1421	437706.96	3725958.45	1.90E-08	1.07E-09	2.01E-08	4.01E-09	2.84E-10	4.29E-09	2.04E-08	1.34E-09	2.18E-08	2.49E-09	1.53E-10	2.64E-09
1422	437692.62	3725953.74	1.89E-08	1.08E-09	1.99E-08	3.98E-09	2.86E-10	4.27E-09	2.03E-08	1.36E-09	2.16E-08	2.48E-09	1.54E-10	2.63E-09
1423	437678.29	3725949.03	1.87E-08	1.08E-09	1.98E-08	3.95E-09	2.88E-10	4.23E-09	2.01E-08	1.37E-09	2.15E-08	2.46E-09	1.55E-10	2.61E-09
1424	437663.95	3725944.32	1.84E-08	1.08E-09	1.95E-08	3.90E-09	2.89E-10	4.19E-09	1.98E-08	1.37E-09	2.12E-08	2.43E-09	1.56E-10	2.59E-09
1425	437649.62	3725939.61	1.82E-08	1.08E-09	1.92E-08	3.84E-09	2.89E-10	4.13E-09	1.95E-08	1.37E-09	2.09E-08	2.40E-09	1.56E-10	2.56E-09
1426	437846.9	3725960.27	2.08E-08	9.98E-10	2.18E-08	4.34E-09	2.56E-10	4.60E-09	2.23E-08	1.21E-09	2.36E-08	2.65E-09	1.36E-10	2.78E-09
1427	437833.45	3725967.13	2.03E-08	9.88E-10	2.13E-08	4.23E-09	2.55E-10	4.49E-09	2.18E-08	1.21E-09	2.30E-08	2.58E-09	1.36E-10	2.72E-09
1428	437819.99	3725973.99	1.97E-08	9.77E-10	2.07E-08	4.12E-09	2.53E-10	4.37E-09	2.12E-08	1.20E-09	2.24E-08	2.52E-09	1.35E-10	2.66E-09
1429	437723.56	3725993.06	1.73E-08	9.41E-10	1.82E-08	3.63E-09	2.48E-10	3.88E-09	1.85E-08	1.18E-09	1.97E-08	2.25E-09	1.33E-10	2.38E-09
1430	437709.22	3725988.35	1.72E-08	9.50E-10	1.81E-08	3.62E-09	2.51E-10	3.87E-09	1.85E-08	1.19E-09	1.96E-08	2.24E-09	1.35E-10	2.38E-09
1431	437694.87	3725983.63	1.71E-08	9.58E-10	1.80E-08	3.60E-09	2.54E-10	3.85E-09	1.84E-08	1.20E-09	1.96E-08	2.24E-09	1.37E-10	2.37E-09
1432	437680.52	3725978.92	1.69E-08	9.63E-10	1.79E-08	3.58E-09	2.56E-10	3.83E-09	1.82E-08	1.21E-09	1.94E-08	2.22E-09	1.38E-10	2.36E-09
1433	437666.17	3725974.21	1.67E-08	9.59E-10	1.76E-08	3.52E-09	2.55E-10	3.78E-09	1.79E-08	1.21E-09	1.91E-08	2.19E-09	1.38E-10	2.33E-09
1434	437651.82	3725969.49	1.64E-08	9.53E-10	1.73E-08	3.46E-09	2.54E-10	3.72E-09	1.76E-08	1.21E-09	1.88E-08	2.16E-09	1.37E-10	2.30E-09
1435	437637.47	3725964.78	1.61E-08	9.50E-10	1.71E-08	3.42E-09	2.54E-10	3.67E-09	1.74E-08	1.20E-09	1.86E-08	2.13E-09	1.37E-10	2.27E-09
1436	437623.13	3725960.06	1.59E-08	9.43E-10	1.68E-08	3.36E-09	2.53E-10	3.61E-09	1.71E-08	1.20E-09	1.83E-08	2.10E-09	1.36E-10	2.24E-09
1437	437802.15	3726014.17	1.69E-08	8.51E-10	1.78E-08	3.54E-09	2.21E-10	3.76E-09	1.82E-08	1.05E-09	1.92E-08	2.17E-09	1.18E-10	2.29E-09
1438	437788.68	3726021.03	1.64E-08	8.34E-10	1.72E-08	3.44E-09	2.17E-10	3.65E-09	1.76E-08	1.03E-09	1.86E-08	2.11E-09	1.16E-10	2.23E-09
1439	437775.21	3726027.89	1.59E-08	8.15E-10	1.67E-08	3.32E-09	2.12E-10	3.54E-09	1.70E-08	1.01E-09	1.80E-08	2.04E-09	1.14E-10	2.16E-09
1440	437697.12	3726013.53	1.55E-08	8.55E-10	1.64E-08	3.27E-09	2.26E-10	3.49E-09	1.67E-08	1.07E-09	1.77E-08	2.02E-09	1.21E-10	2.14E-09
1441	437682.76	3726008.81	1.54E-08	8.60E-10	1.63E-08	3.25E-09	2.28E-10	3.48E-09	1.66E-08	1.08E-09	1.76E-08	2.02E-09	1.22E-10	2.14E-09
1442	437668.4	3726004.09	1.52E-08	8.56E-10	1.60E-08	3.20E-09	2.27E-10	3.43E-09	1.63E-08	1.08E-09	1.74E-08	1.99E-09	1.22E-10	2.11E-09
1443	437654.04	3725999.37	1.49E-08	8.49E-10	1.57E-08	3.14E-09	2.26E-10	3.37E-09	1.60E-08	1.07E-09	1.71E-08	1.96E-09	1.22E-10	2.08E-09
1444	437953.56	3725978.46	1.90E-08	8.04E-10	1.98E-08	3.93E-09	2.00E-10	4.13E-09	2.04E-08	9.49E-10	2.13E-08	2.37E-09	1.05E-10	2.48E-09
1445	437940.08	3725985.33	1.89E-08	8.13E-10	1.97E-08	3.91E-09	2.04E-10	4.12E-09	2.02E-08	9.64E-10	2.12E-08	2.36E-09	1.07E-10	2.47E-09
1446	437926.6	3725992.2	1.87E-08	8.21E-10	1.95E-08	3.89E-09	2.06E-10	4.09E-09	2.01E-08	9.78E-10	2.11E-08	2.35E-09	1.09E-10	2.46E-09
1447	437913.12	3725999.07	1.85E-08	8.23E-10	1.93E-08	3.83E-09	2.08E-10	4.04E-09	1.98E-08	9.84E-10	2.08E-08	2.32E-09	1.10E-10	2.43E-09
1448	437899.64	3726005.94	1.81E-08	8.19E-10	1.89E-08	3.76E-09	2.08E-10	3.96E-09	1.94E-08	9.84E-10	2.04E-08	2.28E-09	1.10E-10	2.39E-09
1449	437805.26	3726054.03	1.48E-08	7.37E-10	1.56E-08	3.10E-09	1.91E-10	3.29E-09	1.59E-08	9.05E-10	1.68E-08	1.90E-09	1.02E-10	2.00E-09
1450	437791.78	3726060.9	1.43E-08	7.17E-10	1.50E-08	2.99E-09	1.86E-10	3.18E-09	1.53E-08	8.83E-10	1.62E-08	1.84E-09	9.94E-11	1.93E-09
1451	437778.3	3726067.77	1.38E-08	6.96E-10	1.44E-08	2.88E-09	1.81E-10	3.06E-09	1.48E-08	8.58E-10	1.56E-08	1.77E-09	9.67E-11	1.87E-09
1452	437983.8	3726004.5	1.71E-08	7.06E-10	1.78E-08	3.54E-09	1.75E-10	3.71E-09	1.83E-08	8.29E-10	1.91E-08	2.13E-09	9.19E-11	2.22E-09
1453	437970.3	3726011.38	1.70E-08	7.15E-10	1.77E-08	3.52E-09	1.78E-10	3.70E-09	1.82E-08	8.42E-10	1.91E-08	2.12E-09	9.36E-11	2.22E-09
1454	437956.81	3726018.25	1.69E-08	7.22E-10	1.76E-08	3.50E-09	1.80E-10	3.68E-09	1.81E-08	8.55E-10	1.90E-08	2.11E-09	9.50E-11	2.21E-09
1455	437943.31	3726025.13	1.68E-08	7.28E-10	1.75E-08	3.48E-09	1.83E-10	3.66E-09	1.80E-08	8.66E-10	1.89E-08	2.10E-09	9.64E-11	2.20E-09
1456	437929.82	3726032.01	1.66E-08	7.32E-10	1.73E-08	3.45E-09	1.85E-10	3.63E-09	1.78E-08	8.74E-10	1.87E-08	2.09E-09	9.75E-11	2.18E-09
1457	437916.33	3726038.88	1.64E-08	7.34E-10	1.71E-08	3.41E-09	1.86E-10	3.59E-09	1.76E-08	8.79E-10	1.85E-08	2.06E-09	9.81E-11	2.16E-09
1458	437902.83	3726045.76	1.61E-08	7.30E-10	1.68E-08	3.34E-09	1.85E-10	3.53E-09	1.72E-08	8.78E-10	1.81E-08	2.03E-09	9.81E-11	2.13E-09
1459	437889.34	3726052.63	1.58E-08	7.26E-10	1.65E-08	3.28E-09	1.85E-10	3.47E-09	1.69E-08	8.76E-10	1.78E-08	1.99E-09	9.80E-11	2.09E-09
1460	438014.05	3726030.53	1.54E-08	6.25E-10	1.61E-08	3.19E-09	1.54E-10	3.35E-09	1.65E-08	7.29E-10	1.73E-08	1.92E-09	8.07E-11	2.00E-09
1461	438000.55	3726037.41	1.54E-08	6.33E-10	1.60E-08	3.19E-09	1.57E-10	3.34E-09	1.65E-08	7.42E-10	1.73E-08	1.92E-09	8.23E-11	2.00E-09
1462	437987.04	3726044.3	1.54E-08	6.42E-10	1.60E-08	3.18E-09	1.59E-10	3.34E-09	1.65E-08	7.55E-10	1.72E-08	1.92E-09	8.38E-11	2.00E-09
1463	437973.54	3726051.18	1.53E-08	6.48E-10	1.60E-08	3.17E-09	1.62E-10	3.33E-09	1.64E-08	7.66E-10	1.72E-08	1.91E-09	8.52E-11	2.00E-09
1464	437960.03	3726058.06	1.52E-08	6.53E-10	1.58E-08	3.15E-09	1.64E-10	3.31E-09	1.63E-08	7.75E-10	1.71E-08	1.90E-09	8.63E-11	1.99E-09
1465	437946.53	3726064.94	1.51E-08	6.57E-10	1.57E-08	3.12E-09	1.65E-10	3.29E-09	1.61E-08	7.82E-10	1.69E-08	1.89E-09	8.72E-11	1.98E-09
1466	437933.02	3726071.82	1.49E-08	6.59E-10	1.56E-08	3.09E-09	1.66E-10	3.26E-09	1.60E-08	7.88E-10	1.68E-08	1.87E-09	8.79E-11	1.96E-09
1467	437919.52	3726078.7	1.47E-08	6.61E-10	1.54E-08	3.06E-09	1.67E-10	3.23E-09	1.58E-08	7.92E-10	1.66E-08	1.86E-09	8.85E-11	1.95E-09
1468	437906.01	3726085.58	1.45E-08	6.57E-10	1.51E-08	3.01E-09	1.67E-10	3.18E-09	1.55E-08	7.91E-10	1.63E-08	1.83E-09	8.84E-11	1.92E-09
1469	437677.36	3726123.65	1.01E-08	5.28E-10	1.06E-08	2.12E-09	1.38E-10	2.26E-09	1.09E-08	6.56E-10	1.15E-08	1.31E-09	7.41E-11	1.38E-09
1470	437662.96	3726118.92	9.98E-09	5.26E-10	1.05E-08	2.10E-09	1.38E-10	2.24E-09	1.07E-08	6.54E-10	1.14E-08	1.30E-09	7.39E-11	1.37E-09
1471	437648.56	3726114.19	9.86E-09	5.23E-10	1.04E-08	2.07E-09	1.37E-10	2.21E-09	1.06E-08	6.52E-10	1.12E-08	1.28E-09	7.37E-11	1.36E-09
1472	437634.16	3726109.46	9.72E-09	5.19E-10	1.02E-08	2.04E-09	1.36E-10	2.18E-09	1.04E-08	6.47E-10	1.11E-08	1.26E-09	7.32E-11	1.34E-09
1473	438044.33	3726056.55	1.41E-08	5.59E-10	1.46E-08	2.90E-09	1.37E-10	3.04E-09	1.51E-08	6.49E-10	1.57E-08	1.74E-09	7.18E-11	1.81E-09
1474	438030.82	3726063.44	1.40E-08	5.64E-10	1.46E-08	2.89E-09	1.39E-10	3.03E-09	1.50E-08	6.58E-10	1.57E-08	1.74E-09	7.29E-11	1.81E-09
1475	438017.3	3726070.32	1.40E-08	5.71E-10	1.45E-08	2.89E-09	1.41E-10	3.03E-09	1.50E-08	6.69E-10	1.56E-08	1.74E-09	7.41E-11	1.81E-09
1476	438003.79	3726077.21	1.39E-08	5.78E-10	1.45E-08	2.88E-09	1.43E-10	3.03E-09	1.49E-08	6.79E-10	1.56E-08	1.74E-09	7.54E-11	1.81E-09
1477	437990.27	3726084.1	1.39E-08	5.84E-10	1.45E-08	2.88E-09	1.46E-10	3.02E-09	1.49E-08	6.90E-10	1.56E-08	1.74E-09	7.66E-11	1.81E-09
1478	437976.76	3726090.98	1.38E-08	5.90E-10	1.44E-08	2.87E-09	1.48E-10	3.02E-09	1.48E-08	6.99E-10	1.55E-08	1.73E-09	7.77E-11	1.81E-09

1479	437963.25	3726097.87	1.37E-08	5.93E-10	1.43E-08	2.85E-09	1.49E-10	3.00E-09	1.47E-08	7.05E-10	1.54E-08	1.72E-09	7.85E-11	1.80E-09
1480	437949.73	3726104.76	1.36E-08	5.96E-10	1.42E-08	2.83E-09	1.50E-10	2.98E-09	1.46E-08	7.11E-10	1.53E-08	1.71E-09	7.93E-11	1.79E-09
1481	437936.22	3726111.64	1.35E-08	5.96E-10	1.40E-08	2.79E-09	1.51E-10	2.95E-09	1.44E-08	7.13E-10	1.51E-08	1.69E-09	7.96E-11	1.77E-09
1482	437922.7	3726118.53	1.33E-08	5.96E-10	1.39E-08	2.76E-09	1.51E-10	2.91E-09	1.42E-08	7.15E-10	1.49E-08	1.67E-09	7.98E-11	1.75E-09
1483	437909.19	3726125.42	1.31E-08	5.93E-10	1.37E-08	2.72E-09	1.51E-10	2.87E-09	1.40E-08	7.13E-10	1.47E-08	1.65E-09	7.98E-11	1.73E-09
1484	437895.67	3726132.3	1.28E-08	5.89E-10	1.34E-08	2.67E-09	1.50E-10	2.82E-09	1.38E-08	7.11E-10	1.45E-08	1.63E-09	7.95E-11	1.70E-09
1485	437882.16	3726139.19	1.26E-08	5.82E-10	1.31E-08	2.62E-09	1.49E-10	2.77E-09	1.35E-08	7.04E-10	1.42E-08	1.59E-09	7.89E-11	1.67E-09
1486	437665.96	3726158.78	9.16E-09	4.73E-10	9.63E-09	1.92E-09	1.24E-10	2.05E-09	9.84E-09	5.87E-10	1.04E-08	1.19E-09	6.62E-11	1.25E-09
1487	437651.55	3726154.04	8.98E-09	4.66E-10	9.44E-09	1.89E-09	1.22E-10	2.01E-09	9.64E-09	5.79E-10	1.02E-08	1.16E-09	6.54E-11	1.23E-09
1488	437637.14	3726149.31	8.81E-09	4.60E-10	9.27E-09	1.85E-09	1.21E-10	1.97E-09	9.47E-09	5.72E-10	1.00E-08	1.14E-09	6.46E-11	1.21E-09
1489	437622.73	3726144.57	8.65E-09	4.54E-10	9.10E-09	1.82E-09	1.19E-10	1.94E-09	9.30E-09	5.65E-10	9.86E-09	1.12E-09	6.39E-11	1.19E-09
1490	438074.63	3726082.56	1.31E-08	5.15E-10	1.36E-08	2.71E-09	1.26E-10	2.84E-09	1.41E-08	5.96E-10	1.47E-08	1.62E-09	6.58E-11	1.69E-09
1491	438061.11	3726089.45	1.30E-08	5.16E-10	1.35E-08	2.69E-09	1.27E-10	2.81E-09	1.39E-08	6.00E-10	1.45E-08	1.61E-09	6.63E-11	1.68E-09
1492	438047.58	3726096.34	1.29E-08	5.18E-10	1.34E-08	2.66E-09	1.27E-10	2.79E-09	1.38E-08	6.04E-10	1.44E-08	1.60E-09	6.68E-11	1.67E-09
1493	438034.06	3726103.23	1.28E-08	5.20E-10	1.33E-08	2.64E-09	1.29E-10	2.77E-09	1.37E-08	6.09E-10	1.43E-08	1.59E-09	6.75E-11	1.66E-09
1494	438020.54	3726110.13	1.27E-08	5.25E-10	1.33E-08	2.64E-09	1.30E-10	2.77E-09	1.36E-08	6.17E-10	1.43E-08	1.59E-09	6.84E-11	1.66E-09
1495	438007.01	3726117.02	1.27E-08	5.29E-10	1.32E-08	2.63E-09	1.32E-10	2.76E-09	1.36E-08	6.24E-10	1.42E-08	1.58E-09	6.93E-11	1.65E-09
1496	437993.49	3726123.91	1.26E-08	5.34E-10	1.32E-08	2.62E-09	1.33E-10	2.75E-09	1.35E-08	6.31E-10	1.42E-08	1.58E-09	7.02E-11	1.65E-09
1497	437979.97	3726130.8	1.26E-08	5.38E-10	1.31E-08	2.60E-09	1.35E-10	2.74E-09	1.35E-08	6.38E-10	1.41E-08	1.57E-09	7.10E-11	1.64E-09
1498	437966.44	3726137.69	1.25E-08	5.40E-10	1.30E-08	2.59E-09	1.36E-10	2.72E-09	1.34E-08	6.43E-10	1.40E-08	1.56E-09	7.16E-11	1.64E-09
1499	437952.92	3726144.58	1.24E-08	5.42E-10	1.29E-08	2.57E-09	1.37E-10	2.70E-09	1.33E-08	6.47E-10	1.39E-08	1.55E-09	7.21E-11	1.63E-09
1500	437939.39	3726151.47	1.22E-08	5.41E-10	1.27E-08	2.54E-09	1.37E-10	2.67E-09	1.31E-08	6.48E-10	1.37E-08	1.54E-09	7.23E-11	1.61E-09
1501	437925.87	3726158.36	1.20E-08	5.40E-10	1.26E-08	2.50E-09	1.37E-10	2.64E-09	1.29E-08	6.48E-10	1.36E-08	1.52E-09	7.24E-11	1.59E-09
1502	437912.35	3726165.25	1.18E-08	5.37E-10	1.24E-08	2.47E-09	1.36E-10	2.60E-09	1.27E-08	6.46E-10	1.34E-08	1.50E-09	7.22E-11	1.57E-09
1503	437898.82	3726172.14	1.16E-08	5.31E-10	1.21E-08	2.42E-09	1.35E-10	2.55E-09	1.25E-08	6.40E-10	1.31E-08	1.47E-09	7.17E-11	1.54E-09
1504	437885.3	3726179.04	1.14E-08	5.24E-10	1.19E-08	2.37E-09	1.34E-10	2.50E-09	1.22E-08	6.34E-10	1.28E-08	1.44E-09	7.09E-11	1.51E-09
1505	437871.78	3726185.93	1.11E-08	5.17E-10	1.16E-08	2.32E-09	1.32E-10	2.45E-09	1.19E-08	6.26E-10	1.26E-08	1.41E-09	7.01E-11	1.48E-09
1506	437858.25	3726192.82	1.09E-08	5.09E-10	1.14E-08	2.26E-09	1.30E-10	2.39E-09	1.17E-08	6.17E-10	1.23E-08	1.38E-09	6.92E-11	1.45E-09
1507	437844.73	3726199.71	1.06E-08	4.99E-10	1.11E-08	2.21E-09	1.28E-10	2.34E-09	1.14E-08	6.07E-10	1.20E-08	1.35E-09	6.81E-11	1.42E-09
1508	437831.21	3726206.6	1.03E-08	4.89E-10	1.08E-08	2.15E-09	1.26E-10	2.27E-09	1.11E-08	5.95E-10	1.16E-08	1.31E-09	6.68E-11	1.38E-09
1509	437817.68	3726213.49	9.99E-09	4.77E-10	1.05E-08	2.09E-09	1.23E-10	2.21E-09	1.07E-08	5.81E-10	1.13E-08	1.28E-09	6.53E-11	1.34E-09
1510	437611.28	3726179.69	7.81E-09	4.04E-10	8.21E-09	1.64E-09	1.06E-10	1.75E-09	8.39E-09	5.01E-10	8.89E-09	1.01E-09	5.66E-11	1.07E-09
1511	437596.86	3726174.95	7.69E-09	3.99E-10	8.08E-09	1.62E-09	1.05E-10	1.72E-09	8.26E-09	4.96E-10	8.75E-09	9.97E-10	5.60E-11	1.05E-09
1512	437582.44	3726170.21	7.58E-09	3.95E-10	7.97E-09	1.59E-09	1.04E-10	1.70E-09	8.14E-09	4.91E-10	8.63E-09	9.84E-10	5.55E-11	1.04E-09
1513	438348.59	3725984.41	1.05E-08	3.45E-10	1.09E-08	2.15E-09	7.99E-11	2.23E-09	1.12E-08	3.78E-10	1.16E-08	1.27E-09	4.09E-11	1.31E-09
1514	438094.48	3726113.9	1.22E-08	4.77E-10	1.27E-08	2.52E-09	1.17E-10	2.64E-09	1.31E-08	5.52E-10	1.36E-08	1.51E-09	6.09E-11	1.57E-09
1515	438081.11	3726120.71	1.21E-08	4.79E-10	1.26E-08	2.50E-09	1.17E-10	2.62E-09	1.30E-08	5.56E-10	1.35E-08	1.50E-09	6.14E-11	1.56E-09
1516	438067.73	3726127.52	1.20E-08	4.80E-10	1.25E-08	2.48E-09	1.18E-10	2.60E-09	1.29E-08	5.58E-10	1.34E-08	1.49E-09	6.18E-11	1.55E-09
1517	438054.36	3726134.34	1.19E-08	4.81E-10	1.24E-08	2.46E-09	1.19E-10	2.58E-09	1.27E-08	5.61E-10	1.33E-08	1.48E-09	6.22E-11	1.54E-09
1518	438040.98	3726141.15	1.18E-08	4.81E-10	1.22E-08	2.43E-09	1.19E-10	2.55E-09	1.26E-08	5.63E-10	1.32E-08	1.46E-09	6.24E-11	1.53E-09
1519	438027.61	3726147.97	1.17E-08	4.83E-10	1.22E-08	2.42E-09	1.20E-10	2.54E-09	1.25E-08	5.68E-10	1.31E-08	1.46E-09	6.30E-11	1.52E-09
1520	438014.23	3726154.78	1.16E-08	4.85E-10	1.21E-08	2.40E-09	1.21E-10	2.52E-09	1.24E-08	5.72E-10	1.30E-08	1.45E-09	6.36E-11	1.51E-09
1521	438000.86	3726161.6	1.15E-08	4.88E-10	1.20E-08	2.39E-09	1.22E-10	2.51E-09	1.24E-08	5.78E-10	1.29E-08	1.44E-09	6.42E-11	1.51E-09
1522	437987.49	3726168.41	1.15E-08	4.91E-10	1.20E-08	2.38E-09	1.23E-10	2.50E-09	1.23E-08	5.83E-10	1.29E-08	1.44E-09	6.49E-11	1.50E-09
1523	437974.11	3726175.23	1.14E-08	4.93E-10	1.19E-08	2.37E-09	1.24E-10	2.49E-09	1.22E-08	5.87E-10	1.28E-08	1.43E-09	6.54E-11	1.50E-09
1524	437960.74	3726182.04	1.13E-08	4.94E-10	1.18E-08	2.35E-09	1.24E-10	2.47E-09	1.21E-08	5.89E-10	1.27E-08	1.42E-09	6.57E-11	1.49E-09
1525	437947.36	3726188.86	1.12E-08	4.94E-10	1.17E-08	2.32E-09	1.25E-10	2.45E-09	1.20E-08	5.90E-10	1.26E-08	1.41E-09	6.59E-11	1.47E-09
1526	437933.99	3726195.67	1.10E-08	4.92E-10	1.15E-08	2.29E-09	1.24E-10	2.42E-09	1.18E-08	5.90E-10	1.24E-08	1.39E-09	6.59E-11	1.46E-09
1527	437920.62	3726202.49	1.09E-08	4.89E-10	1.14E-08	2.26E-09	1.24E-10	2.39E-09	1.17E-08	5.88E-10	1.22E-08	1.37E-09	6.57E-11	1.44E-09
1528	437907.24	3726209.3	1.06E-08	4.83E-10	1.11E-08	2.22E-09	1.23E-10	2.34E-09	1.14E-08	5.82E-10	1.20E-08	1.35E-09	6.50E-11	1.41E-09
1529	437893.87	3726216.12	1.04E-08	4.76E-10	1.09E-08	2.17E-09	1.21E-10	2.29E-09	1.12E-08	5.74E-10	1.17E-08	1.32E-09	6.42E-11	1.38E-09
1530	437616.19	3726220.17	7.20E-09	3.65E-10	7.57E-09	1.51E-09	9.52E-11	1.61E-09	7.74E-09	4.51E-10	8.19E-09	9.31E-10	5.09E-11	9.82E-10
1531	437601.93	3726215.49	7.08E-09	3.60E-10	7.44E-09	1.49E-09	9.40E-11	1.58E-09	7.61E-09	4.46E-10	8.05E-09	9.16E-10	5.03E-11	9.66E-10
1532	437587.67	3726210.8	6.96E-09	3.55E-10	7.32E-09	1.46E-09	9.28E-11	1.55E-09	7.48E-09	4.40E-10	7.92E-09	9.01E-10	4.96E-11	9.51E-10
1533	437573.41	3726206.12	6.85E-09	3.51E-10	7.20E-09	1.44E-09	9.17E-11	1.53E-09	7.36E-09	4.35E-10	7.79E-09	8.87E-10	4.90E-11	9.36E-10
1534	437559.15	3726201.43	6.73E-09	3.46E-10	7.08E-09	1.41E-09	9.04E-11	1.51E-09	7.24E-09	4.29E-10	7.66E-09	8.73E-10	4.84E-11	9.21E-10
1535	438360.2	3725975.22	1.03E-08	3.37E-10	1.07E-08	2.12E-09	7.80E-11	2.19E-09	1.11E-08	3.69E-10	1.14E-08	1.25E-09	3.99E-11	1.29E-09
1536	438370.04	3725963.66	1.02E-08	3.32E-10	1.05E-08	2.09E-09	7.64E-11	2.17E-09	1.09E-08	3.61E-10	1.13E-08	1.23E-09	3.91E-11	1.27E-09
1537	438379.04	3726010.34	9.71E-09	3.19E-10	1.00E-08	1.99E-09	7.40E-11	2.06E-09	1.04E-08	3.50E-10	1.07E-08	1.18E-09	3.79E-11	1.22E-09
1538	438365.65	3726017.16	9.92E-09	3.28E-10	1.02E-08	2.03E-09	7.61E-11	2.11E-09	1.06E-08	3.60E-10	1.10E-08	1.20E-09	3.90E-11	1.24E-09
1539	438352.27	3726023.99	1.01E-08	3.37E-10	1.05E-08	2.08E-09	7.83E-11	2.16E-09	1.08E-08	3.71E-10	1.12E-08	1.23E-09	4.02E-11	1.27E-09
1540	438338.88	3726030.81	1.03E-08	3.46E-10	1.07E-08	2.12E-09	8.06E-11	2.20E-09	1.11E-08	3.81E-10	1.14E-08	1.25E-09	4.14E-11	1.30E-09
1541	438325.49	3726037.63	1.05E-08	3.55E-10	1.09E-08	2.16E-09	8.29E-11	2.25E-09	1.13E-08	3.92E-10	1.17E-08	1.28E-09	4.26E-11	1.32E-09
1542	438312.1	3726044.45	1.07E-08	3.64E-10	1.11E-08	2.20E-09	8.52E-11	2.29E-09	1.15E-08	4.03E-10	1.19E-08	1.30E-09	4.38E-11	1.35E-09
1543	438298.71	3726051.28	1.09E-08	3.72E-10	1.12E-08	2.23E-09	8.72E-11	2.32E-09	1.16E-08	4.12E-10	1.20E-08	1.32E-09	4.48E-11	1.37E-09
1544	438124.66	3726139.96	1.15E-08	4.43E-10	1.19E-08	2.37E-09	1.08E-10	2.48E-09	1.23E-08	5.11E-10	1.28E-08	1.42E-09	5.63E-11	1.47E-09
1545	438111.27	3726146.79	1.14E-08	4.44E-10	1.18E-08	2.35E-09	1.09E-10	2.46E-09	1.22E-08	5.14E-10	1.27E-08	1.41E-09	5.67E-11	1.47E-09
1546	438097.89	3726153.61	1.13E-08	4.45E-10	1.17E-08	2.33E-09	1.09E-10	2.44E-09	1.21E-08	5.17E-10	1.26E-08	1.40E-09	5.71E-11	1.46E-09
1547	438084.5	3726160.43	1.12E-08	4.46E-10	1.16E-08	2.31E-09	1.10E-10	2.42E-09	1.20E-08	5.19E-10	1.25E-08	1.39E-09	5.74E-11	1.45E-09
1548	438071.11	3726167.25	1.11E-08	4.46E-10	1.15E-08	2.29E-09	1.10E-10	2.40E-09	1.19E-08	5.21E-10	1.24E-08	1.38E-09	5.76E-11	1.43E-09
1549	438057.72	3726174.07	1.09E-08	4.45E-10	1.14E-08	2.26E-09	1.10E-10	2.37E-09	1.17E-08	5.21E-10	1.22E-08	1.36E-09	5.77E-11	1.42E-09
1550	438044.33	3726180.9	1.08E-08	4.44E-10	1.12E-08	2.24E-09	1.10E-10	2.35E-09	1.16E-08	5.21E-10	1.21E-08	1.35E-09	5.78E-11	1.40E-09
1551	438030.94	3726187.72	1.07E-08	4.45E-10	1.12E-08	2.22E-09	1.11E-10	2.33E-09	1.15E-08	5.25E-10	1.20E-08	1.34E-09	5.82E-11	1.40E-09
1552	438017.56	3726194.54	1.07E-08	4.48E-10	1.11E-08	2.21E-09	1.12E-10	2.32E-09	1.14E-08	5.29E-10	1.19E-08	1.33E-09	5.87E-11	1.39E-09
1553	438004.17	3726201.36	1.06E-08	4.49E-10	1.10E-08	2.20E-09	1.12E-10	2.31E-09	1.13E-08	5.32E-10	1.19E-08	1.33E-09	5.92E-11	1.39E-09
1554	437990.78	3726208.18	1.05E-08	4.51E-10	1.10E-08	2.18E-09	1.13E-10	2.30E-09	1.13E-08	5.35E-10	1.18E-08	1.32E-09	5.96E-11	1.38E-09
1555	437977.39	3726215.01	1.04E-08	4.52E-10	1.09E-08	2.17E-09	1.14E-10	2.28E-09	1.12E-08	5.38E-10	1.17E-08	1.31E-09	5.99E-11	1.37E-09
1556	437964	3726221.83	1.03E-08	4.51E-10	1.08E-08	2.15E-09	1.14E-10	2.26E-09	1.11E-08	5.39E-10	1.16E-08	1.30E-09	6.01E-11	1.36E-09

1557	437950.61	3726228.65	1.02E-08	4.50E-10	1.07E-08	2.12E-09	1.14E-10	2.23E-09	1.09E-08	5.38E-10	1.15E-08	1.29E-09	6.01E-11	1.35E-09
1558	437937.23	3726235.47	1.01E-08	4.47E-10	1.05E-08	2.09E-09	1.13E-10	2.21E-09	1.08E-08	5.36E-10	1.13E-08	1.27E-09	5.99E-11	1.33E-09
1559	437923.84	3726242.3	9.90E-09	4.44E-10	1.03E-08	2.06E-09	1.12E-10	2.17E-09	1.06E-08	5.33E-10	1.12E-08	1.25E-09	5.95E-11	1.31E-09
1560	437776.12	3726311.58	7.48E-09	3.53E-10	7.83E-09	1.56E-09	9.07E-11	1.65E-09	8.03E-09	4.30E-10	8.46E-09	9.55E-10	4.82E-11	1.00E-09
1561	437761.85	3726306.89	7.45E-09	3.54E-10	7.80E-09	1.56E-09	9.09E-11	1.65E-09	7.99E-09	4.31E-10	8.42E-09	9.51E-10	4.84E-11	1.00E-09
1562	437747.57	3726302.2	7.41E-09	3.54E-10	7.76E-09	1.55E-09	9.11E-11	1.64E-09	7.95E-09	4.32E-10	8.38E-09	9.47E-10	4.85E-11	9.96E-10
1563	437733.3	3726297.51	7.36E-09	3.53E-10	7.71E-09	1.54E-09	9.11E-11	1.63E-09	7.90E-09	4.32E-10	8.33E-09	9.42E-10	4.85E-11	9.91E-10
1564	437604.81	3726255.31	6.59E-09	3.29E-10	6.92E-09	1.38E-09	8.57E-11	1.47E-09	7.08E-09	4.06E-10	7.48E-09	8.50E-10	4.58E-11	8.96E-10
1565	438409.49	3726036.27	9.07E-09	2.99E-10	9.37E-09	1.86E-09	6.93E-11	1.93E-09	9.71E-09	3.28E-10	1.00E-08	1.10E-09	3.55E-11	1.14E-09
1566	438396.09	3726043.1	9.26E-09	3.07E-10	9.57E-09	1.90E-09	7.12E-11	1.97E-09	9.91E-09	3.37E-10	1.02E-08	1.12E-09	3.65E-11	1.16E-09
1567	438382.69	3726049.93	9.44E-09	3.14E-10	9.75E-09	1.93E-09	7.31E-11	2.01E-09	1.01E-08	3.46E-10	1.04E-08	1.15E-09	3.75E-11	1.18E-09
1568	438369.29	3726056.76	9.60E-09	3.21E-10	9.92E-09	1.97E-09	7.49E-11	2.04E-09	1.03E-08	3.54E-10	1.06E-08	1.17E-09	3.84E-11	1.20E-09
1569	438355.89	3726063.59	9.77E-09	3.29E-10	1.01E-08	2.00E-09	7.68E-11	2.08E-09	1.05E-08	3.63E-10	1.08E-08	1.19E-09	3.94E-11	1.23E-09
1570	438342.49	3726070.42	9.93E-09	3.37E-10	1.03E-08	2.04E-09	7.88E-11	2.12E-09	1.06E-08	3.73E-10	1.10E-08	1.21E-09	4.05E-11	1.25E-09
1571	438329.09	3726077.25	1.01E-08	3.44E-10	1.04E-08	2.07E-09	8.06E-11	2.15E-09	1.08E-08	3.81E-10	1.12E-08	1.23E-09	4.15E-11	1.27E-09
1572	438315.69	3726084.07	1.02E-08	3.50E-10	1.05E-08	2.09E-09	8.24E-11	2.18E-09	1.09E-08	3.90E-10	1.13E-08	1.24E-09	4.24E-11	1.28E-09
1573	438302.28	3726090.9	1.03E-08	3.57E-10	1.07E-08	2.12E-09	8.42E-11	2.20E-09	1.10E-08	3.98E-10	1.14E-08	1.26E-09	4.34E-11	1.30E-09
1574	438288.88	3726097.73	1.04E-08	3.64E-10	1.08E-08	2.14E-09	8.60E-11	2.23E-09	1.12E-08	4.07E-10	1.16E-08	1.27E-09	4.43E-11	1.32E-09
1575	438275.48	3726104.56	1.05E-08	3.70E-10	1.09E-08	2.16E-09	8.77E-11	2.25E-09	1.13E-08	4.15E-10	1.17E-08	1.29E-09	4.53E-11	1.33E-09
1576	438262.08	3726111.39	1.06E-08	3.76E-10	1.10E-08	2.18E-09	8.93E-11	2.27E-09	1.14E-08	4.23E-10	1.18E-08	1.30E-09	4.62E-11	1.34E-09
1577	438248.68	3726118.22	1.07E-08	3.82E-10	1.11E-08	2.19E-09	9.09E-11	2.28E-09	1.14E-08	4.30E-10	1.19E-08	1.31E-09	4.70E-11	1.35E-09
1578	438235.28	3726125.05	1.07E-08	3.87E-10	1.11E-08	2.21E-09	9.24E-11	2.30E-09	1.15E-08	4.37E-10	1.19E-08	1.31E-09	4.78E-11	1.36E-09
1579	438128.07	3726179.68	1.06E-08	4.11E-10	1.10E-08	2.18E-09	1.00E-10	2.28E-09	1.13E-08	4.75E-10	1.18E-08	1.31E-09	5.24E-11	1.36E-09
1580	438114.67	3726186.51	1.05E-08	4.12E-10	1.09E-08	2.16E-09	1.01E-10	2.26E-09	1.12E-08	4.78E-10	1.17E-08	1.30E-09	5.28E-11	1.35E-09
1581	438101.26	3726193.33	1.04E-08	4.13E-10	1.08E-08	2.15E-09	1.02E-10	2.25E-09	1.11E-08	4.81E-10	1.16E-08	1.29E-09	5.32E-11	1.34E-09
1582	438087.86	3726200.16	1.03E-08	4.13E-10	1.07E-08	2.13E-09	1.02E-10	2.23E-09	1.10E-08	4.82E-10	1.15E-08	1.28E-09	5.33E-11	1.33E-09
1583	438074.46	3726206.99	1.02E-08	4.12E-10	1.06E-08	2.10E-09	1.02E-10	2.21E-09	1.09E-08	4.82E-10	1.14E-08	1.27E-09	5.34E-11	1.32E-09
1584	438061.06	3726213.82	1.01E-08	4.12E-10	1.05E-08	2.08E-09	1.02E-10	2.19E-09	1.08E-08	4.83E-10	1.13E-08	1.26E-09	5.36E-11	1.31E-09
1585	438047.66	3726220.65	9.99E-09	4.13E-10	1.04E-08	2.07E-09	1.02E-10	2.17E-09	1.07E-08	4.85E-10	1.12E-08	1.25E-09	5.39E-11	1.30E-09
1586	438034.26	3726227.48	9.91E-09	4.14E-10	1.03E-08	2.05E-09	1.03E-10	2.16E-09	1.06E-08	4.88E-10	1.11E-08	1.24E-09	5.42E-11	1.29E-09
1587	438020.86	3726234.31	9.84E-09	4.14E-10	1.02E-08	2.04E-09	1.03E-10	2.14E-09	1.05E-08	4.90E-10	1.10E-08	1.23E-09	5.45E-11	1.29E-09
1588	438007.46	3726241.14	9.75E-09	4.15E-10	1.02E-08	2.02E-09	1.04E-10	2.13E-09	1.05E-08	4.92E-10	1.09E-08	1.22E-09	5.47E-11	1.28E-09
1589	437994.05	3726247.96	9.67E-09	4.15E-10	1.01E-08	2.01E-09	1.04E-10	2.11E-09	1.04E-08	4.93E-10	1.09E-08	1.21E-09	5.49E-11	1.27E-09
1590	437980.65	3726254.79	9.58E-09	4.15E-10	9.99E-09	1.99E-09	1.04E-10	2.09E-09	1.03E-08	4.94E-10	1.08E-08	1.20E-09	5.50E-11	1.26E-09
1591	437967.25	3726261.62	9.47E-09	4.13E-10	9.88E-09	1.97E-09	1.04E-10	2.07E-09	1.02E-08	4.93E-10	1.06E-08	1.19E-09	5.50E-11	1.25E-09
1592	437953.85	3726268.45	9.34E-09	4.11E-10	9.75E-09	1.94E-09	1.04E-10	2.05E-09	1.00E-08	4.91E-10	1.05E-08	1.18E-09	5.48E-11	1.23E-09
1593	437940.45	3726275.28	9.19E-09	4.07E-10	9.60E-09	1.91E-09	1.03E-10	2.01E-09	9.86E-09	4.88E-10	1.03E-08	1.16E-09	5.45E-11	1.21E-09
1594	437927.05	3726282.11	9.03E-09	4.03E-10	9.43E-09	1.88E-09	1.02E-10	1.98E-09	9.68E-09	4.83E-10	1.02E-08	1.14E-09	5.40E-11	1.19E-09
1595	437913.65	3726288.94	8.84E-09	3.97E-10	9.24E-09	1.84E-09	1.01E-10	1.94E-09	9.48E-09	4.77E-10	9.96E-09	1.12E-09	5.33E-11	1.17E-09
1596	437873.44	3726309.42	8.19E-09	3.73E-10	8.56E-09	1.71E-09	9.50E-11	1.80E-09	8.78E-09	4.50E-10	9.23E-09	1.04E-09	5.04E-11	1.09E-09
1597	437860.04	3726316.25	7.98E-09	3.65E-10	8.34E-09	1.66E-09	9.31E-11	1.76E-09	8.56E-09	4.41E-10	9.00E-09	1.01E-09	4.94E-11	1.06E-09
1598	437846.64	3726323.08	7.79E-09	3.58E-10	8.15E-09	1.62E-09	9.13E-11	1.71E-09	8.36E-09	4.33E-10	8.79E-09	9.89E-10	4.85E-11	1.04E-09
1599	437806.44	3726343.57	7.18E-09	3.33E-10	7.51E-09	1.50E-09	8.51E-11	1.58E-09	7.70E-09	4.03E-10	8.11E-09	9.14E-10	4.52E-11	9.59E-10
1600	437793.03	3726350.39	6.99E-09	3.25E-10	7.31E-09	1.46E-09	8.31E-11	1.54E-09	7.50E-09	3.94E-10	7.89E-09	8.90E-10	4.41E-11	9.34E-10
1601	437779.19	3726351.46	6.87E-09	3.20E-10	7.19E-09	1.43E-09	8.21E-11	1.52E-09	7.38E-09	3.89E-10	7.77E-09	8.76E-10	4.36E-11	9.19E-10
1602	437764.9	3726346.77	6.82E-09	3.20E-10	7.14E-09	1.42E-09	8.20E-11	1.51E-09	7.32E-09	3.89E-10	7.71E-09	8.70E-10	4.36E-11	9.14E-10
1603	437750.61	3726342.07	6.78E-09	3.19E-10	7.10E-09	1.42E-09	8.20E-11	1.50E-09	7.28E-09	3.89E-10	7.67E-09	8.66E-10	4.36E-11	9.09E-10
1604	437736.32	3726337.38	6.74E-09	3.19E-10	7.05E-09	1.41E-09	8.20E-11	1.49E-09	7.23E-09	3.88E-10	7.62E-09	8.61E-10	4.36E-11	9.04E-10
1605	437722.03	3726332.68	6.68E-09	3.18E-10	6.99E-09	1.40E-09	8.17E-11	1.48E-09	7.17E-09	3.87E-10	7.56E-09	8.54E-10	4.35E-11	8.97E-10
1606	437707.74	3726327.99	6.61E-09	3.16E-10	6.93E-09	1.38E-09	8.14E-11	1.46E-09	7.10E-09	3.86E-10	7.48E-09	8.46E-10	4.33E-11	8.90E-10
1607	437693.45	3726323.3	6.54E-09	3.14E-10	6.85E-09	1.37E-09	8.09E-11	1.45E-09	7.02E-09	3.84E-10	7.41E-09	8.38E-10	4.31E-11	8.81E-10
1608	438421.12	3726027.08	8.93E-09	2.93E-10	9.22E-09	1.83E-09	6.77E-11	1.90E-09	9.55E-09	3.20E-10	9.87E-09	1.08E-09	3.47E-11	1.12E-09
1609	438430.96	3726015.52	8.84E-09	2.88E-10	9.13E-09	1.81E-09	6.66E-11	1.88E-09	9.46E-09	3.15E-10	9.77E-09	1.07E-09	3.41E-11	1.10E-09
1610	437863.18	3726356.1	7.36E-09	3.34E-10	7.70E-09	1.53E-09	8.50E-11	1.62E-09	7.90E-09	4.03E-10	8.30E-09	9.34E-10	4.51E-11	9.79E-10
1611	437849.77	3726362.93	7.18E-09	3.27E-10	7.51E-09	1.50E-09	8.33E-11	1.58E-09	7.70E-09	3.94E-10	8.10E-09	9.11E-10	4.42E-11	9.55E-10
1612	437836.35	3726369.77	7.00E-09	3.20E-10	7.32E-09	1.46E-09	8.15E-11	1.54E-09	7.52E-09	3.86E-10	7.90E-09	8.89E-10	4.32E-11	9.33E-10
1613	437822.94	3726376.6	6.84E-09	3.13E-10	7.15E-09	1.43E-09	7.98E-11	1.51E-09	7.34E-09	3.78E-10	7.71E-09	8.69E-10	4.24E-11	9.11E-10
1614	437809.53	3726383.44	6.68E-09	3.07E-10	6.99E-09	1.39E-09	7.83E-11	1.47E-09	7.17E-09	3.71E-10	7.54E-09	8.49E-10	4.15E-11	8.91E-10
1615	437796.11	3726390.27	6.53E-09	3.01E-10	6.83E-09	1.36E-09	7.68E-11	1.44E-09	7.01E-09	3.64E-10	7.38E-09	8.31E-10	4.08E-11	8.72E-10
1616	437782.26	3726391.34	6.44E-09	2.97E-10	6.73E-09	1.34E-09	7.60E-11	1.42E-09	6.91E-09	3.60E-10	7.27E-09	8.19E-10	4.03E-11	8.60E-10
1617	437767.95	3726386.64	6.39E-09	2.96E-10	6.69E-09	1.33E-09	7.59E-11	1.41E-09	6.86E-09	3.59E-10	7.22E-09	8.14E-10	4.03E-11	8.55E-10
1618	437753.65	3726381.94	6.33E-09	2.95E-10	6.62E-09	1.32E-09	7.54E-11	1.40E-09	6.79E-09	3.58E-10	7.15E-09	8.06E-10	4.01E-11	8.46E-10
1619	437739.35	3726377.25	6.26E-09	2.93E-10	6.55E-09	1.31E-09	7.50E-11	1.38E-09	6.72E-09	3.55E-10	7.07E-09	7.98E-10	3.99E-11	8.38E-10
1620	437725.05	3726372.55	6.19E-09	2.90E-10	6.48E-09	1.29E-09	7.45E-11	1.37E-09	6.64E-09	3.53E-10	6.99E-09	7.90E-10	3.96E-11	8.29E-10
1621	437710.75	3726367.85	6.12E-09	2.88E-10	6.41E-09	1.28E-09	7.41E-11	1.35E-09	6.57E-09	3.51E-10	6.92E-09	7.82E-10	3.94E-11	8.21E-10
1622	437696.44	3726363.15	6.05E-09	2.86E-10	6.34E-09	1.26E-09	7.36E-11	1.34E-09	6.50E-09	3.49E-10	6.84E-09	7.74E-10	3.92E-11	8.13E-10
1623	437682.14	3726358.45	5.98E-09	2.84E-10	6.26E-09	1.25E-09	7.31E-11	1.32E-09	6.42E-09	3.46E-10	6.76E-09	7.65E-10	3.89E-11	8.04E-10
1624	437667.84	3726353.75	5.94E-09	2.83E-10	6.22E-09	1.24E-09	7.30E-11	1.31E-09	6.38E-09	3.46E-10	6.72E-09	7.61E-10	3.89E-11	7.99E-10
1625	438461.41	3726041.45	8.26E-09	2.70E-10	8.53E-09	1.69E-09	6.25E-11	1.76E-09	8.84E-09	2.95E-10	9.14E-09	1.00E-09	3.20E-11	1.03E-09
1626	437799.19	3726430.15	6.13E-09	2.79E-10	6.41E-09	1.28E-09	7.12E-11	1.35E-09	6.58E-09	3.38E-10	6.92E-09	7.79E-10	3.78E-11	8.17E-10
1627	437785.33	3726431.22	6.06E-09	2.77E-10	6.34E-09	1.26E-09	7.07E-11	1.34E-09	6.51E-09	3.35E-10	6.84E-09	7.71E-10	3.75E-11	8.08E-10
1628	437771.01	3726426.52	6.04E-09	2.78E-10	6.32E-09	1.26E-09	7.09E-11	1.33E-09	6.48E-09	3.36E-10	6.82E-09	7.69E-10	3.76E-11	8.06E-10
1629	437756.7	3726421.82	5.98E-09	2.76E-10	6.25E-09	1.25E-09	7.05E-11	1.32E-09	6.42E-09	3.34E-10	6.75E-09	7.61E-10	3.74E-11	7.98E-10
1630	437742.38	3726417.11	5.91E-09	2.73E-10	6.18E-09	1.23E-09	7.00E-11	1.30E-09	6.34E-09	3.32E-10	6.67E-09	7.53E-10	3.72E-11	7.90E-10
1631	437728.07	3726412.41	5.84E-09	2.71E-10	6.11E-09	1.22E-09	6.95E-11	1.29E-09	6.27E-09	3.29E-10	6.60E-09	7.45E-10	3.69E-11	7.82E-10
1632	437713.76	3726407.71	5.77E-09	2.69E-10	6.04E-09	1.21E-09	6.90E-11	1.27E-09	6.20E-09	3.27E-10	6.52E-09	7.36E-10	3.67E-11	7.73E-10
1633	437699.44	3726403.01	5.71E-09	2.67E-10	5.97E-09	1.19E-09	6.85E-11	1.26E-09	6.13E-09	3.25E-10	6.45E-09	7.29E-10	3.64E-11	7.65E-10
1634	437685.13	3726398.31	5.64E-09	2.65E-10	5.90E-09	1.18E-09	6.79E-11	1.25E-09	6.05E-09	3.22E-10	6.38E-09	7.20E-10	3.61E-11	7.57E-10

1635	437670.81	3726393.6	5.59E-09	2.63E-10	5.85E-09	1.17E-09	6.76E-11	1.24E-09	6.00E-09	3.20E-10	6.32E-09	7.14E-10	3.60E-11	7.50E-10
1636	437656.5	3726388.9	5.55E-09	2.63E-10	5.81E-09	1.16E-09	6.75E-11	1.23E-09	5.96E-09	3.20E-10	6.28E-09	7.10E-10	3.59E-11	7.46E-10
1637	437642.19	3726384.2	5.52E-09	2.62E-10	5.79E-09	1.16E-09	6.75E-11	1.22E-09	5.93E-09	3.20E-10	6.25E-09	7.07E-10	3.60E-11	7.43E-10
1638	437627.87	3726379.5	5.50E-09	2.62E-10	5.76E-09	1.15E-09	6.76E-11	1.22E-09	5.90E-09	3.20E-10	6.23E-09	7.05E-10	3.60E-11	7.41E-10
1639	437912.05	3725196.12	1.01E-07	2.00E-09	1.03E-07	2.02E-08	3.49E-10	2.05E-08	1.07E-07	1.64E-09	1.09E-07	1.15E-08	1.55E-10	1.17E-08
1640	437925.08	3725180.94	8.72E-08	1.75E-09	8.90E-08	1.75E-08	3.10E-10	1.78E-08	9.30E-08	1.46E-09	9.45E-08	1.00E-08	1.39E-10	1.01E-08
1641	437944.61	3725158.17	7.11E-08	1.45E-09	7.25E-08	1.43E-08	2.62E-10	1.46E-08	7.58E-08	1.23E-09	7.71E-08	8.19E-09	1.19E-10	8.31E-09
1642	438044.92	3725104.51	3.64E-08	8.11E-10	3.72E-08	7.36E-09	1.56E-10	7.52E-09	3.89E-08	7.37E-10	3.96E-08	4.25E-09	7.37E-11	4.32E-09
1643	438051.54	3725117.54	3.71E-08	8.33E-10	3.80E-08	7.50E-09	1.61E-10	7.66E-09	3.96E-08	7.59E-10	4.04E-08	4.33E-09	7.60E-11	4.41E-09
1644	438058.16	3725130.58	3.77E-08	8.53E-10	3.85E-08	7.61E-09	1.66E-10	7.78E-09	4.02E-08	7.80E-10	4.10E-08	4.39E-09	7.82E-11	4.47E-09
1645	438064.5	3725081.83	3.11E-08	7.01E-10	3.18E-08	6.30E-09	1.37E-10	6.43E-09	3.32E-08	6.45E-10	3.39E-08	3.64E-09	6.48E-11	3.71E-09
1646	438071.14	3725094.9	3.18E-08	7.22E-10	3.25E-08	6.43E-09	1.41E-10	6.58E-09	3.40E-08	6.65E-10	3.46E-08	3.72E-09	6.70E-11	3.79E-09
1647	438077.77	3725107.97	3.24E-08	7.42E-10	3.32E-08	6.56E-09	1.45E-10	6.70E-09	3.46E-08	6.85E-10	3.53E-08	3.79E-09	6.90E-11	3.86E-09
1648	438084.41	3725121.04	3.29E-08	7.58E-10	3.36E-08	6.65E-09	1.49E-10	6.80E-09	3.51E-08	7.02E-10	3.58E-08	3.84E-09	7.09E-11	3.91E-09
1649	438117.6	3725186.39	3.33E-08	8.06E-10	3.41E-08	6.74E-09	1.62E-10	6.90E-09	3.56E-08	7.63E-10	3.64E-08	3.90E-09	7.78E-11	3.97E-09
1650	438124.24	3725199.46	3.31E-08	8.07E-10	3.39E-08	6.69E-09	1.63E-10	6.85E-09	3.53E-08	7.68E-10	3.61E-08	3.87E-09	7.85E-11	3.94E-09
1651	438084.07	3725059.14	2.68E-08	6.12E-10	2.74E-08	5.43E-09	1.21E-10	5.56E-09	2.86E-08	5.69E-10	2.92E-08	3.15E-09	5.75E-11	3.21E-09
1652	438090.73	3725072.24	2.75E-08	6.31E-10	2.81E-08	5.56E-09	1.25E-10	5.69E-09	2.93E-08	5.87E-10	2.99E-08	3.22E-09	5.94E-11	3.28E-09
1653	438097.38	3725085.34	2.81E-08	6.50E-10	2.87E-08	5.69E-09	1.29E-10	5.81E-09	3.00E-08	6.06E-10	3.06E-08	3.29E-09	6.13E-11	3.35E-09
1654	438104.03	3725098.44	2.85E-08	6.64E-10	2.92E-08	5.77E-09	1.32E-10	5.90E-09	3.04E-08	6.21E-10	3.11E-08	3.34E-09	6.30E-11	3.40E-09
1655	438130.65	3725150.85	2.94E-08	7.08E-10	3.01E-08	5.94E-09	1.42E-10	6.08E-09	3.13E-08	6.71E-10	3.20E-08	3.44E-09	6.84E-11	3.51E-09
1656	438137.3	3725163.95	2.94E-08	7.14E-10	3.01E-08	5.94E-09	1.44E-10	6.09E-09	3.14E-08	6.80E-10	3.20E-08	3.44E-09	6.95E-11	3.51E-09
1657	438143.95	3725177.05	2.93E-08	7.19E-10	3.00E-08	5.93E-09	1.46E-10	6.07E-09	3.13E-08	6.88E-10	3.20E-08	3.43E-09	7.04E-11	3.50E-09
1658	438150.61	3725190.15	2.90E-08	7.20E-10	2.97E-08	5.88E-09	1.47E-10	6.02E-09	3.10E-08	6.92E-10	3.17E-08	3.40E-09	7.10E-11	3.47E-09
1659	438157.26	3725203.25	2.87E-08	7.19E-10	2.94E-08	5.81E-09	1.47E-10	5.96E-09	3.06E-08	6.94E-10	3.13E-08	3.36E-09	7.14E-11	3.44E-09
1660	438163.91	3725216.35	2.82E-08	7.15E-10	2.89E-08	5.72E-09	1.47E-10	5.87E-09	3.01E-08	6.94E-10	3.08E-08	3.31E-09	7.16E-11	3.38E-09
1661	438116.98	3725062.7	2.44E-08	5.71E-10	2.50E-08	4.95E-09	1.14E-10	5.06E-09	2.61E-08	5.37E-10	2.66E-08	2.87E-09	5.46E-11	2.93E-09
1662	438123.65	3725075.83	2.49E-08	5.86E-10	2.55E-08	5.04E-09	1.17E-10	5.16E-09	2.66E-08	5.52E-10	2.71E-08	2.92E-09	5.62E-11	2.98E-09
1663	438150.32	3725128.34	2.59E-08	6.28E-10	2.65E-08	5.24E-09	1.27E-10	5.37E-09	2.76E-08	6.00E-10	2.82E-08	3.04E-09	6.13E-11	3.10E-09
1664	438156.98	3725141.47	2.59E-08	6.34E-10	2.65E-08	5.24E-09	1.29E-10	5.37E-09	2.76E-08	6.07E-10	2.82E-08	3.04E-09	6.22E-11	3.10E-09
1665	438163.65	3725154.6	2.59E-08	6.40E-10	2.65E-08	5.24E-09	1.30E-10	5.37E-09	2.76E-08	6.15E-10	2.83E-08	3.04E-09	6.32E-11	3.10E-09
1666	438170.32	3725167.73	2.58E-08	6.44E-10	2.65E-08	5.23E-09	1.32E-10	5.36E-09	2.76E-08	6.22E-10	2.82E-08	3.03E-09	6.40E-11	3.10E-09
1667	438176.99	3725180.86	2.56E-08	6.46E-10	2.63E-08	5.20E-09	1.33E-10	5.33E-09	2.74E-08	6.26E-10	2.80E-08	3.01E-09	6.45E-11	3.08E-09
1668	438183.65	3725193.99	2.54E-08	6.45E-10	2.60E-08	5.14E-09	1.33E-10	5.28E-09	2.71E-08	6.28E-10	2.77E-08	2.98E-09	6.49E-11	3.05E-09
1669	438190.32	3725207.12	2.51E-08	6.43E-10	2.57E-08	5.08E-09	1.33E-10	5.21E-09	2.68E-08	6.29E-10	2.74E-08	2.95E-09	6.51E-11	3.01E-09
1670	438190.01	3725145.27	2.31E-08	5.79E-10	2.37E-08	4.68E-09	1.19E-10	4.80E-09	2.47E-08	5.62E-10	2.52E-08	2.72E-09	5.79E-11	2.78E-09
1671	438196.69	3725158.43	2.30E-08	5.81E-10	2.36E-08	4.66E-09	1.20E-10	4.78E-09	2.45E-08	5.66E-10	2.51E-08	2.70E-09	5.85E-11	2.76E-09
1672	438203.37	3725171.58	2.28E-08	5.81E-10	2.33E-08	4.61E-09	1.20E-10	4.74E-09	2.43E-08	5.68E-10	2.49E-08	2.68E-09	5.88E-11	2.74E-09
1673	438210.05	3725184.73	2.25E-08	5.80E-10	2.31E-08	4.56E-09	1.21E-10	4.68E-09	2.40E-08	5.69E-10	2.46E-08	2.65E-09	5.90E-11	2.71E-09
1674	438243.45	3725250.5	2.08E-08	5.61E-10	2.14E-08	4.22E-09	1.19E-10	4.34E-09	2.22E-08	5.64E-10	2.28E-08	2.46E-09	5.89E-11	2.52E-09
1675	438250.13	3725263.66	2.04E-08	5.55E-10	2.10E-08	4.14E-09	1.19E-10	4.26E-09	2.18E-08	5.60E-10	2.24E-08	2.41E-09	5.87E-11	2.47E-09
1676	438261.04	3725223.91	1.92E-08	5.16E-10	1.97E-08	3.89E-09	1.10E-10	4.00E-09	2.05E-08	5.18E-10	2.10E-08	2.27E-09	5.42E-11	2.32E-09
1677	438267.63	3725236.87	1.88E-08	5.11E-10	1.93E-08	3.82E-09	1.09E-10	3.93E-09	2.01E-08	5.15E-10	2.06E-08	2.23E-09	5.40E-11	2.28E-09
1678	438274.21	3725249.84	1.85E-08	5.07E-10	1.90E-08	3.76E-09	1.09E-10	3.87E-09	1.98E-08	5.13E-10	2.03E-08	2.19E-09	5.38E-11	2.24E-09
1679	438280.8	3725262.81	1.82E-08	5.02E-10	1.87E-08	3.70E-09	1.08E-10	3.80E-09	1.94E-08	5.10E-10	1.99E-08	2.15E-09	5.36E-11	2.21E-09
1680	438287.38	3725275.77	1.78E-08	4.96E-10	1.83E-08	3.62E-09	1.07E-10	3.73E-09	1.90E-08	5.06E-10	1.96E-08	2.11E-09	5.33E-11	2.17E-09
1681	438293.97	3725288.74	1.75E-08	4.91E-10	1.80E-08	3.56E-09	1.06E-10	3.67E-09	1.87E-08	5.02E-10	1.92E-08	2.08E-09	5.29E-11	2.13E-09
1682	438155.4	3724934.23	1.33E-08	3.18E-10	1.36E-08	2.71E-09	6.54E-11	2.77E-09	1.42E-08	3.09E-10	1.45E-08	1.58E-09	3.18E-11	1.61E-09
1683	438175.22	3724973.25	1.51E-08	3.66E-10	1.55E-08	3.08E-09	7.50E-11	3.15E-09	1.62E-08	3.54E-10	1.65E-08	1.80E-09	3.64E-11	1.83E-09
1684	438181.82	3724986.26	1.58E-08	3.82E-10	1.61E-08	3.21E-09	7.84E-11	3.29E-09	1.69E-08	3.70E-10	1.72E-08	1.87E-09	3.80E-11	1.91E-09
1685	438188.43	3724999.26	1.63E-08	3.98E-10	1.67E-08	3.32E-09	8.16E-11	3.41E-09	1.75E-08	3.85E-10	1.79E-08	1.94E-09	3.96E-11	1.98E-09
1686	438195.03	3725012.27	1.67E-08	4.09E-10	1.71E-08	3.40E-09	8.40E-11	3.48E-09	1.79E-08	3.96E-10	1.83E-08	1.98E-09	4.08E-11	2.02E-09
1687	438201.64	3725025.27	1.71E-08	4.19E-10	1.75E-08	3.47E-09	8.62E-11	3.55E-09	1.82E-08	4.07E-10	1.86E-08	2.02E-09	4.19E-11	2.06E-09
1688	438208.24	3725038.28	1.73E-08	4.29E-10	1.78E-08	3.52E-09	8.83E-11	3.61E-09	1.85E-08	4.16E-10	1.89E-08	2.05E-09	4.29E-11	2.09E-09
1689	438214.85	3725051.28	1.76E-08	4.37E-10	1.80E-08	3.57E-09	9.01E-11	3.66E-09	1.88E-08	4.25E-10	1.92E-08	2.07E-09	4.38E-11	2.12E-09
1690	438307.31	3725233.36	1.61E-08	4.45E-10	1.65E-08	3.27E-09	9.61E-11	3.37E-09	1.72E-08	4.54E-10	1.76E-08	1.91E-09	4.77E-11	1.96E-09
1691	438313.91	3725246.37	1.58E-08	4.41E-10	1.62E-08	3.21E-09	9.55E-11	3.31E-09	1.69E-08	4.51E-10	1.73E-08	1.88E-09	4.75E-11	1.92E-09
1692	438360.15	3725337.41	1.41E-08	4.13E-10	1.46E-08	2.88E-09	9.10E-11	2.97E-09	1.51E-08	4.30E-10	1.56E-08	1.69E-09	4.57E-11	1.73E-09
1693	438366.75	3725350.41	1.39E-08	4.09E-10	1.43E-08	2.84E-09	9.03E-11	2.93E-09	1.49E-08	4.27E-10	1.53E-08	1.66E-09	4.54E-11	1.71E-09
1694	438146.5	3724922.92	1.30E-08	3.10E-10	1.33E-08	2.65E-09	6.38E-11	2.71E-09	1.39E-08	3.01E-10	1.42E-08	1.55E-09	3.10E-11	1.58E-09
1695	438221.19	3724982.14	1.42E-08	3.51E-10	1.45E-08	2.88E-09	7.27E-11	2.95E-09	1.51E-08	3.43E-10	1.55E-08	1.68E-09	3.55E-11	1.72E-09
1696	438227.82	3724995.18	1.46E-08	3.63E-10	1.50E-08	2.97E-09	7.53E-11	3.05E-09	1.56E-08	3.55E-10	1.60E-08	1.73E-09	3.67E-11	1.77E-09
1697	438234.44	3725008.21	1.49E-08	3.71E-10	1.52E-08	3.02E-09	7.71E-11	3.10E-09	1.59E-08	3.64E-10	1.62E-08	1.76E-09	3.77E-11	1.80E-09
1698	438241.06	3725021.25	1.51E-08	3.80E-10	1.55E-08	3.07E-09	7.90E-11	3.15E-09	1.62E-08	3.73E-10	1.65E-08	1.79E-09	3.86E-11	1.83E-09
1699	438247.68	3725034.29	1.53E-08	3.87E-10	1.57E-08	3.12E-09	8.07E-11	3.20E-09	1.64E-08	3.81E-10	1.68E-08	1.82E-09	3.95E-11	1.86E-09
1700	438254.3	3725047.33	1.55E-08	3.94E-10	1.59E-08	3.15E-09	8.22E-11	3.23E-09	1.66E-08	3.88E-10	1.70E-08	1.84E-09	4.02E-11	1.88E-09
1701	438260.93	3725060.37	1.57E-08	4.01E-10	1.61E-08	3.19E-09	8.38E-11	3.27E-09	1.68E-08	3.95E-10	1.71E-08	1.86E-09	4.11E-11	1.90E-09
1702	438280.79	3725099.49	1.59E-08	4.15E-10	1.63E-08	3.23E-09	8.74E-11	3.32E-09	1.70E-08	4.12E-10	1.74E-08	1.88E-09	4.29E-11	1.93E-09
1703	438287.41	3725112.53	1.59E-08	4.17E-10	1.63E-08	3.22E-09	8.81E-11	3.31E-09	1.70E-08	4.16E-10	1.74E-08	1.88E-09	4.33E-11	1.92E-09
1704	438294.04	3725125.57	1.58E-08	4.18E-10	1.62E-08	3.21E-09	8.85E-11	3.30E-09	1.69E-08	4.18E-10	1.73E-08	1.87E-09	4.36E-11	1.91E-09
1705	438386.74	3725308.13	1.27E-08	3.70E-10	1.30E-08	2.58E-09	8.19E-11	2.66E-09	1.35E-08	3.87E-10	1.39E-08	1.51E-09	4.11E-11	1.55E-09
1706	438393.37	3725321.17	1.26E-08	3.69E-10	1.29E-08	2.56E-09	8.18E-11	2.64E-09	1.34E-08	3.86E-10	1.38E-08	1.50E-09	4.11E-11	1.54E-09
1707	438399.99	3725334.21	1.24E-08	3.67E-10	1.28E-08	2.53E-09	8.14E-11	2.62E-09	1.33E-08	3.85E-10	1.37E-08	1.49E-09	4.09E-11	1.53E-09
1708	438406.61	3725347.25	1.23E-08	3.63E-10	1.26E-08	2.50E-09	8.08E-11	2.58E-09	1.31E-08	3.82E-10	1.35E-08	1.47E-09	4.06E-11	1.51E-09
1709	438410.98	3725367.25	1.21E-08	3.62E-10	1.25E-08	2.48E-09	8.06E-11	2.56E-09	1.30E-08	3.81E-10	1.34E-08	1.45E-09	4.06E-11	1.49E-09
1710	438406.47	3725381.16	1.23E-08	3.68E-10	1.27E-08	2.51E-09	8.21E-11	2.60E-09	1.32E-08	3.88E-10	1.36E-08	1.47E-09	4.13E-11	1.52E-09
1711	438172.55	3724892.57	1.12E-08	2.71E-10	1.14E-08	2.28E-09	5.63E-11	2.34E-09	1.19E-08	2.65E-10	1.22E-08	1.34E-09	2.75E-11	1.36E-09
1712	438267.26	3724991.19	1.28E-08	3.27E-10	1.32E-08	2.61E-09	6.85E-11	2.68E-09	1.37E-08	3.23E-10	1.41E-08	1.53E-09	3.36E-11	1.56E-09

1713	438273.9	3725004.26	1.31E-08	3.35E-10	1.34E-08	2.67E-09	7.02E-11	2.74E-09	1.40E-08	3.31E-10	1.43E-08	1.56E-09	3.45E-11	1.59E-09
1714	438280.53	3725017.33	1.33E-08	3.42E-10	1.37E-08	2.71E-09	7.19E-11	2.78E-09	1.42E-08	3.39E-10	1.46E-08	1.58E-09	3.53E-11	1.62E-09
1715	438287.17	3725030.4	1.36E-08	3.50E-10	1.39E-08	2.76E-09	7.36E-11	2.83E-09	1.45E-08	3.47E-10	1.48E-08	1.61E-09	3.62E-11	1.65E-09
1716	438293.81	3725043.47	1.38E-08	3.57E-10	1.41E-08	2.80E-09	7.53E-11	2.87E-09	1.47E-08	3.55E-10	1.51E-08	1.63E-09	3.70E-11	1.67E-09
1717	438307.08	3725069.62	1.40E-08	3.68E-10	1.44E-08	2.85E-09	7.79E-11	2.93E-09	1.50E-08	3.68E-10	1.53E-08	1.66E-09	3.84E-11	1.70E-09
1718	438313.72	3725082.69	1.41E-08	3.71E-10	1.44E-08	2.86E-09	7.88E-11	2.94E-09	1.50E-08	3.72E-10	1.54E-08	1.67E-09	3.89E-11	1.71E-09
1719	438320.36	3725095.76	1.40E-08	3.73E-10	1.44E-08	2.86E-09	7.94E-11	2.94E-09	1.50E-08	3.75E-10	1.54E-08	1.67E-09	3.92E-11	1.71E-09
1720	438327	3725108.83	1.40E-08	3.74E-10	1.44E-08	2.84E-09	7.99E-11	2.92E-09	1.49E-08	3.77E-10	1.53E-08	1.66E-09	3.95E-11	1.70E-09
1721	438333.63	3725121.9	1.39E-08	3.74E-10	1.43E-08	2.82E-09	8.01E-11	2.90E-09	1.48E-08	3.78E-10	1.52E-08	1.65E-09	3.96E-11	1.69E-09
1722	438340.27	3725134.97	1.38E-08	3.74E-10	1.41E-08	2.80E-09	8.02E-11	2.88E-09	1.47E-08	3.78E-10	1.51E-08	1.63E-09	3.97E-11	1.67E-09
1723	438346.91	3725148.04	1.36E-08	3.73E-10	1.40E-08	2.77E-09	8.02E-11	2.85E-09	1.45E-08	3.78E-10	1.49E-08	1.62E-09	3.98E-11	1.66E-09
1724	438353.55	3725161.11	1.34E-08	3.70E-10	1.38E-08	2.73E-09	8.00E-11	2.81E-09	1.44E-08	3.78E-10	1.47E-08	1.60E-09	3.97E-11	1.64E-09
1725	438360.18	3725174.18	1.33E-08	3.68E-10	1.36E-08	2.70E-09	7.97E-11	2.78E-09	1.42E-08	3.76E-10	1.45E-08	1.58E-09	3.96E-11	1.62E-09
1726	438366.82	3725187.25	1.31E-08	3.65E-10	1.34E-08	2.66E-09	7.93E-11	2.74E-09	1.39E-08	3.74E-10	1.43E-08	1.55E-09	3.95E-11	1.59E-09
1727	438450.85	3725364.14	1.08E-08	3.25E-10	1.11E-08	2.21E-09	7.28E-11	2.28E-09	1.16E-08	3.44E-10	1.19E-08	1.30E-09	3.67E-11	1.33E-09
1728	438446.33	3725378.09	1.10E-08	3.30E-10	1.13E-08	2.24E-09	7.39E-11	2.31E-09	1.17E-08	3.49E-10	1.21E-08	1.31E-09	3.73E-11	1.35E-09
1729	438441.81	3725392.03	1.11E-08	3.35E-10	1.14E-08	2.26E-09	7.50E-11	2.34E-09	1.19E-08	3.54E-10	1.22E-08	1.33E-09	3.79E-11	1.37E-09
1730	438437.29	3725405.98	1.12E-08	3.39E-10	1.15E-08	2.29E-09	7.60E-11	2.36E-09	1.20E-08	3.59E-10	1.23E-08	1.34E-09	3.84E-11	1.38E-09
1731	438432.77	3725419.92	1.13E-08	3.43E-10	1.17E-08	2.31E-09	7.70E-11	2.39E-09	1.21E-08	3.64E-10	1.25E-08	1.36E-09	3.89E-11	1.40E-09
1732	438340	3725052.79	1.24E-08	3.31E-10	1.28E-08	2.53E-09	7.05E-11	2.60E-09	1.33E-08	3.33E-10	1.36E-08	1.48E-09	3.48E-11	1.51E-09
1733	438346.65	3725065.88	1.25E-08	3.34E-10	1.28E-08	2.54E-09	7.13E-11	2.61E-09	1.33E-08	3.36E-10	1.37E-08	1.48E-09	3.53E-11	1.52E-09
1734	438353.3	3725078.98	1.25E-08	3.36E-10	1.28E-08	2.54E-09	7.19E-11	2.61E-09	1.33E-08	3.40E-10	1.37E-08	1.48E-09	3.56E-11	1.52E-09
1735	438359.96	3725092.08	1.25E-08	3.37E-10	1.28E-08	2.54E-09	7.24E-11	2.61E-09	1.33E-08	3.42E-10	1.37E-08	1.48E-09	3.59E-11	1.52E-09
1736	438366.61	3725105.18	1.24E-08	3.38E-10	1.27E-08	2.52E-09	7.27E-11	2.60E-09	1.33E-08	3.43E-10	1.36E-08	1.48E-09	3.61E-11	1.51E-09
1737	438373.26	3725118.28	1.23E-08	3.38E-10	1.27E-08	2.51E-09	7.30E-11	2.58E-09	1.32E-08	3.45E-10	1.35E-08	1.47E-09	3.63E-11	1.50E-09
1738	438379.91	3725131.37	1.22E-08	3.38E-10	1.26E-08	2.49E-09	7.30E-11	2.56E-09	1.31E-08	3.45E-10	1.34E-08	1.45E-09	3.63E-11	1.49E-09
1739	438386.56	3725144.47	1.21E-08	3.37E-10	1.25E-08	2.47E-09	7.31E-11	2.54E-09	1.29E-08	3.45E-10	1.33E-08	1.44E-09	3.64E-11	1.48E-09
1740	438393.21	3725157.57	1.20E-08	3.35E-10	1.23E-08	2.44E-09	7.29E-11	2.51E-09	1.28E-08	3.44E-10	1.31E-08	1.43E-09	3.63E-11	1.46E-09
1741	438399.87	3725170.67	1.18E-08	3.33E-10	1.21E-08	2.40E-09	7.26E-11	2.48E-09	1.26E-08	3.43E-10	1.30E-08	1.41E-09	3.62E-11	1.44E-09
1742	438406.52	3725183.77	1.16E-08	3.30E-10	1.20E-08	2.37E-09	7.22E-11	2.44E-09	1.24E-08	3.41E-10	1.28E-08	1.39E-09	3.61E-11	1.42E-09
1743	438413.17	3725196.87	1.15E-08	3.27E-10	1.18E-08	2.33E-09	7.17E-11	2.41E-09	1.22E-08	3.39E-10	1.26E-08	1.37E-09	3.59E-11	1.40E-09
1744	438419.82	3725209.96	1.13E-08	3.24E-10	1.16E-08	2.30E-09	7.12E-11	2.37E-09	1.20E-08	3.36E-10	1.24E-08	1.35E-09	3.57E-11	1.38E-09
1745	438426.47	3725223.06	1.11E-08	3.20E-10	1.14E-08	2.26E-09	7.06E-11	2.33E-09	1.18E-08	3.34E-10	1.22E-08	1.32E-09	3.54E-11	1.36E-09
1746	438433.12	3725236.16	1.09E-08	3.17E-10	1.12E-08	2.22E-09	7.00E-11	2.29E-09	1.16E-08	3.31E-10	1.20E-08	1.30E-09	3.52E-11	1.34E-09
1747	438439.78	3725249.26	1.07E-08	3.12E-10	1.10E-08	2.18E-09	6.92E-11	2.25E-09	1.14E-08	3.27E-10	1.17E-08	1.28E-09	3.48E-11	1.31E-09
1748	438446.43	3725262.36	1.04E-08	3.07E-10	1.07E-08	2.13E-09	6.83E-11	2.20E-09	1.12E-08	3.22E-10	1.15E-08	1.25E-09	3.43E-11	1.28E-09
1749	438477.13	3725402.95	1.00E-08	3.06E-10	1.04E-08	2.05E-09	6.89E-11	2.12E-09	1.07E-08	3.26E-10	1.11E-08	1.21E-09	3.48E-11	1.24E-09
1750	438472.6	3725416.93	1.01E-08	3.10E-10	1.05E-08	2.07E-09	6.97E-11	2.14E-09	1.08E-08	3.29E-10	1.12E-08	1.22E-09	3.53E-11	1.25E-09
1751	438468.07	3725430.9	1.02E-08	3.13E-10	1.06E-08	2.09E-09	7.05E-11	2.16E-09	1.09E-08	3.33E-10	1.13E-08	1.23E-09	3.57E-11	1.26E-09
1752	438463.54	3725444.88	1.03E-08	3.16E-10	1.06E-08	2.11E-09	7.12E-11	2.18E-09	1.10E-08	3.36E-10	1.14E-08	1.24E-09	3.60E-11	1.28E-09
1753	438379.59	3725049.09	1.11E-08	3.01E-10	1.14E-08	2.27E-09	6.47E-11	2.33E-09	1.19E-08	3.06E-10	1.22E-08	1.33E-09	3.21E-11	1.36E-09
1754	438386.25	3725062.21	1.12E-08	3.03E-10	1.15E-08	2.27E-09	6.54E-11	2.34E-09	1.19E-08	3.09E-10	1.22E-08	1.33E-09	3.24E-11	1.36E-09
1755	438392.92	3725075.33	1.11E-08	3.05E-10	1.14E-08	2.27E-09	6.58E-11	2.33E-09	1.19E-08	3.11E-10	1.22E-08	1.33E-09	3.27E-11	1.36E-09
1756	438399.58	3725088.46	1.11E-08	3.06E-10	1.14E-08	2.26E-09	6.62E-11	2.33E-09	1.19E-08	3.12E-10	1.22E-08	1.32E-09	3.29E-11	1.36E-09
1757	438406.25	3725101.58	1.11E-08	3.06E-10	1.14E-08	2.25E-09	6.65E-11	2.32E-09	1.18E-08	3.14E-10	1.21E-08	1.32E-09	3.31E-11	1.35E-09
1758	438412.91	3725114.7	1.10E-08	3.07E-10	1.13E-08	2.24E-09	6.67E-11	2.31E-09	1.18E-08	3.15E-10	1.21E-08	1.31E-09	3.32E-11	1.34E-09
1759	438419.57	3725127.83	1.09E-08	3.06E-10	1.12E-08	2.22E-09	6.67E-11	2.29E-09	1.17E-08	3.15E-10	1.20E-08	1.30E-09	3.33E-11	1.34E-09
1760	438426.24	3725140.95	1.08E-08	3.05E-10	1.11E-08	2.20E-09	6.67E-11	2.27E-09	1.16E-08	3.15E-10	1.19E-08	1.29E-09	3.33E-11	1.32E-09
1761	438432.9	3725154.07	1.07E-08	3.04E-10	1.10E-08	2.18E-09	6.65E-11	2.25E-09	1.14E-08	3.14E-10	1.17E-08	1.28E-09	3.33E-11	1.31E-09
1762	438439.57	3725167.2	1.06E-08	3.02E-10	1.09E-08	2.15E-09	6.63E-11	2.22E-09	1.13E-08	3.13E-10	1.16E-08	1.26E-09	3.32E-11	1.30E-09
1763	438446.23	3725180.32	1.04E-08	3.00E-10	1.07E-08	2.13E-09	6.60E-11	2.19E-09	1.12E-08	3.12E-10	1.15E-08	1.25E-09	3.31E-11	1.28E-09
1764	438452.89	3725193.44	1.03E-08	2.98E-10	1.06E-08	2.10E-09	6.56E-11	2.16E-09	1.10E-08	3.10E-10	1.13E-08	1.23E-09	3.29E-11	1.26E-09
1765	438459.56	3725206.57	1.01E-08	2.95E-10	1.04E-08	2.07E-09	6.52E-11	2.13E-09	1.08E-08	3.08E-10	1.11E-08	1.21E-09	3.27E-11	1.24E-09
1766	438466.22	3725219.69	9.97E-09	2.92E-10	1.03E-08	2.03E-09	6.47E-11	2.10E-09	1.07E-08	3.06E-10	1.10E-08	1.19E-09	3.25E-11	1.23E-09
1767	438472.89	3725232.81	9.78E-09	2.88E-10	1.01E-08	2.00E-09	6.39E-11	2.06E-09	1.05E-08	3.02E-10	1.08E-08	1.17E-09	3.22E-11	1.20E-09
1768	438479.55	3725245.93	9.56E-09	2.83E-10	9.85E-09	1.95E-09	6.30E-11	2.01E-09	1.02E-08	2.98E-10	1.05E-08	1.15E-09	3.17E-11	1.18E-09
1769	438486.22	3725259.06	9.35E-09	2.78E-10	9.63E-09	1.91E-09	6.21E-11	1.97E-09	1.00E-08	2.93E-10	1.03E-08	1.12E-09	3.13E-11	1.15E-09
1770	438492.88	3725272.18	9.19E-09	2.75E-10	9.46E-09	1.88E-09	6.15E-11	1.94E-09	9.83E-09	2.90E-10	1.01E-08	1.10E-09	3.10E-11	1.13E-09
1771	438499.54	3725285.3	9.07E-09	2.72E-10	9.34E-09	1.85E-09	6.10E-11	1.91E-09	9.70E-09	2.88E-10	9.98E-09	1.09E-09	3.08E-11	1.12E-09
1772	438506.21	3725298.43	8.94E-09	2.70E-10	9.21E-09	1.83E-09	6.05E-11	1.89E-09	9.56E-09	2.86E-10	9.84E-09	1.07E-09	3.06E-11	1.10E-09
1773	438512.87	3725311.55	8.84E-09	2.68E-10	9.11E-09	1.81E-09	6.01E-11	1.87E-09	9.45E-09	2.84E-10	9.73E-09	1.06E-09	3.04E-11	1.09E-09
1774	438519.54	3725324.67	8.70E-09	2.65E-10	8.97E-09	1.78E-09	5.95E-11	1.84E-09	9.31E-09	2.81E-10	9.59E-09	1.05E-09	3.01E-11	1.08E-09
1775	438526.2	3725337.8	8.62E-09	2.63E-10	8.89E-09	1.76E-09	5.93E-11	1.82E-09	9.22E-09	2.80E-10	9.50E-09	1.04E-09	3.00E-11	1.07E-09
1776	438507.9	3725427.92	9.22E-09	2.84E-10	9.50E-09	1.88E-09	6.41E-11	1.95E-09	9.86E-09	3.03E-10	1.02E-08	1.11E-09	3.25E-11	1.14E-09
1777	438503.36	3725441.93	9.31E-09	2.87E-10	9.60E-09	1.90E-09	6.49E-11	1.97E-09	9.96E-09	3.07E-10	1.03E-08	1.12E-09	3.29E-11	1.15E-09
1778	438498.82	3725455.93	9.40E-09	2.90E-10	9.69E-09	1.92E-09	6.56E-11	1.99E-09	1.01E-08	3.10E-10	1.04E-08	1.13E-09	3.32E-11	1.16E-09
1779	438494.28	3725469.93	9.49E-09	2.93E-10	9.78E-09	1.94E-09	6.62E-11	2.00E-09	1.01E-08	3.13E-10	1.05E-08	1.14E-09	3.36E-11	1.17E-09
1780	438412.53	3725032.3	1.00E-08	2.74E-10	1.03E-08	2.04E-09	5.92E-11	2.10E-09	1.07E-08	2.79E-10	1.10E-08	1.19E-09	2.94E-11	1.22E-09
1781	438419.2	3725045.44	1.00E-08	2.76E-10	1.03E-08	2.05E-09	5.98E-11	2.11E-09	1.07E-08	2.82E-10	1.10E-08	1.20E-09	2.98E-11	1.23E-09
1782	438425.88	3725058.59	1.01E-08	2.78E-10	1.03E-08	2.05E-09	6.04E-11	2.11E-09	1.08E-08	2.85E-10	1.10E-08	1.20E-09	3.01E-11	1.23E-09
1783	438432.55	3725071.73	1.00E-08	2.79E-10	1.03E-08	2.05E-09	6.07E-11	2.11E-09	1.07E-08	2.87E-10	1.10E-08	1.20E-09	3.03E-11	1.23E-09
1784	438439.23	3725084.88	1.00E-08	2.80E-10	1.03E-08	2.04E-09	6.09E-11	2.10E-09	1.07E-08	2.88E-10	1.10E-08	1.19E-09	3.04E-11	1.22E-09
1785	438445.9	3725098.03	9.95E-09	2.80E-10	1.02E-08	2.03E-09	6.11E-11	2.09E-09	1.06E-08	2.88E-10	1.09E-08	1.19E-09	3.05E-11	1.22E-09
1786	438452.58	3725111.17	9.88E-09	2.80E-10	1.02E-08	2.01E-09	6.12E-11	2.08E-09	1.06E-08	2.89E-10	1.09E-08	1.18E-09	3.06E-11	1.21E-09
1787	438459.26	3725124.32	9.81E-09	2.79E-10	1.01E-08	2.00E-09	6.12E-11	2.06E-09	1.05E-08	2.89E-10	1.08E-08	1.17E-09	3.06E-11	1.20E-09
1788	438465.93	3725137.46	9.73E-09	2.78E-10	1.00E-08	1.98E-09	6.12E-11	2.04E-09	1.04E-08	2.89E-10	1.07E-08	1.16E-09	3.07E-11	1.19E-09
1789	438472.61	3725150.61	9.64E-09	2.78E-10	9.92E-09	1.97E-09	6.11E-11	2.03E-09	1.03E-08	2.89E-10	1.06E-08	1.15E-09	3.07E-11	1.18E-09
1790	438479.28	3725163.75	9.54E-09	2.76E-10	9.81E-09	1.95E-09	6.09E-11	2.01E-09	1.02E-08	2.88E-10	1.05E-08	1.14E-09	3.06E-11	1.17E-09

1791	438485.96	3725176.9	9.43E-09	2.74E-10	9.70E-09	1.92E-09	6.07E-11	1.98E-09	1.01E-08	2.87E-10	1.04E-08	1.13E-09	3.05E-11	1.16E-09
1792	438492.63	3725190.05	9.34E-09	2.73E-10	9.61E-09	1.91E-09	6.06E-11	1.97E-09	9.99E-09	2.86E-10	1.03E-08	1.12E-09	3.04E-11	1.15E-09
1793	438499.31	3725203.19	9.25E-09	2.72E-10	9.52E-09	1.89E-09	6.04E-11	1.95E-09	9.89E-09	2.86E-10	1.02E-08	1.11E-09	3.04E-11	1.14E-09
1794	438505.99	3725216.34	9.08E-09	2.68E-10	9.35E-09	1.85E-09	5.98E-11	1.91E-09	9.71E-09	2.82E-10	9.99E-09	1.09E-09	3.01E-11	1.12E-09
1795	438512.66	3725229.48	8.89E-09	2.64E-10	9.15E-09	1.81E-09	5.90E-11	1.87E-09	9.51E-09	2.79E-10	9.78E-09	1.07E-09	2.97E-11	1.10E-09
1796	438519.34	3725242.63	8.72E-09	2.61E-10	8.98E-09	1.78E-09	5.83E-11	1.84E-09	9.33E-09	2.75E-10	9.60E-09	1.05E-09	2.94E-11	1.08E-09
1797	438526.01	3725255.77	8.57E-09	2.57E-10	8.83E-09	1.75E-09	5.77E-11	1.81E-09	9.17E-09	2.72E-10	9.44E-09	1.03E-09	2.91E-11	1.06E-09
1798	438532.69	3725268.92	8.42E-09	2.54E-10	8.67E-09	1.72E-09	5.70E-11	1.78E-09	9.00E-09	2.69E-10	9.27E-09	1.01E-09	2.88E-11	1.04E-09
1799	438539.36	3725282.07	8.25E-09	2.50E-10	8.50E-09	1.69E-09	5.62E-11	1.74E-09	8.82E-09	2.66E-10	9.09E-09	9.91E-10	2.84E-11	1.02E-09
1800	438546.04	3725295.21	8.07E-09	2.46E-10	8.31E-09	1.65E-09	5.53E-11	1.70E-09	8.63E-09	2.61E-10	8.89E-09	9.70E-10	2.80E-11	9.98E-10
1801	438552.72	3725308.36	7.96E-09	2.43E-10	8.21E-09	1.63E-09	5.49E-11	1.68E-09	8.52E-09	2.59E-10	8.78E-09	9.58E-10	2.78E-11	9.86E-10
1802	438559.39	3725321.5	7.86E-09	2.41E-10	8.10E-09	1.61E-09	5.44E-11	1.66E-09	8.41E-09	2.57E-10	8.67E-09	9.46E-10	2.76E-11	9.74E-10
1803	438566.07	3725334.65	7.77E-09	2.39E-10	8.01E-09	1.59E-09	5.40E-11	1.64E-09	8.31E-09	2.55E-10	8.57E-09	9.35E-10	2.74E-11	9.63E-10
1804	438570.47	3725354.81	7.75E-09	2.39E-10	7.99E-09	1.58E-09	5.41E-11	1.64E-09	8.29E-09	2.56E-10	8.54E-09	9.33E-10	2.74E-11	9.60E-10
1805	438565.92	3725368.83	7.89E-09	2.44E-10	8.13E-09	1.61E-09	5.52E-11	1.67E-09	8.44E-09	2.61E-10	8.70E-09	9.50E-10	2.80E-11	9.78E-10
1806	438561.38	3725382.86	8.03E-09	2.48E-10	8.28E-09	1.64E-09	5.62E-11	1.70E-09	8.59E-09	2.66E-10	8.86E-09	9.67E-10	2.85E-11	9.96E-10
1807	438534.1	3725467.01	8.61E-09	2.67E-10	8.87E-09	1.76E-09	6.06E-11	1.82E-09	9.20E-09	2.87E-10	9.49E-09	1.04E-09	3.08E-11	1.07E-09
1808	438529.55	3725481.03	8.68E-09	2.70E-10	8.95E-09	1.78E-09	6.12E-11	1.84E-09	9.29E-09	2.89E-10	9.58E-09	1.05E-09	3.11E-11	1.08E-09
1809	438525	3725495.06	8.77E-09	2.73E-10	9.05E-09	1.79E-09	6.19E-11	1.86E-09	9.38E-09	2.93E-10	9.68E-09	1.06E-09	3.14E-11	1.09E-09
1810	438520.45	3725509.08	8.86E-09	2.76E-10	9.14E-09	1.81E-09	6.26E-11	1.87E-09	9.48E-09	2.96E-10	9.77E-09	1.07E-09	3.18E-11	1.10E-09
1811	438379.5	3725943.86	1.02E-08	3.30E-10	1.06E-08	2.09E-09	7.58E-11	2.17E-09	1.09E-08	3.59E-10	1.13E-08	1.24E-09	3.87E-11	1.27E-09
1812	438452.15	3725028.68	9.08E-09	2.52E-10	9.33E-09	1.85E-09	5.49E-11	1.91E-09	9.71E-09	2.59E-10	9.97E-09	1.09E-09	2.74E-11	1.11E-09
1813	438458.84	3725041.84	9.10E-09	2.54E-10	9.35E-09	1.85E-09	5.53E-11	1.91E-09	9.73E-09	2.61E-10	9.99E-09	1.09E-09	2.76E-11	1.11E-09
1814	438465.52	3725055.01	9.08E-09	2.55E-10	9.33E-09	1.85E-09	5.56E-11	1.91E-09	9.71E-09	2.63E-10	9.97E-09	1.09E-09	2.78E-11	1.11E-09
1815	438472.21	3725068.18	9.04E-09	2.55E-10	9.30E-09	1.84E-09	5.58E-11	1.90E-09	9.67E-09	2.64E-10	9.93E-09	1.08E-09	2.79E-11	1.11E-09
1816	438478.9	3725081.34	9.00E-09	2.55E-10	9.25E-09	1.84E-09	5.60E-11	1.89E-09	9.62E-09	2.64E-10	9.89E-09	1.08E-09	2.80E-11	1.10E-09
1817	438485.58	3725094.51	8.95E-09	2.55E-10	9.20E-09	1.82E-09	5.61E-11	1.88E-09	9.57E-09	2.65E-10	9.83E-09	1.07E-09	2.81E-11	1.10E-09
1818	438492.27	3725107.68	8.88E-09	2.55E-10	9.14E-09	1.81E-09	5.61E-11	1.87E-09	9.50E-09	2.65E-10	9.76E-09	1.06E-09	2.81E-11	1.09E-09
1819	438498.96	3725120.84	8.83E-09	2.55E-10	9.08E-09	1.80E-09	5.62E-11	1.86E-09	9.44E-09	2.65E-10	9.71E-09	1.06E-09	2.82E-11	1.09E-09
1820	438505.64	3725134.01	8.78E-09	2.54E-10	9.03E-09	1.79E-09	5.63E-11	1.85E-09	9.39E-09	2.66E-10	9.65E-09	1.05E-09	2.83E-11	1.08E-09
1821	438512.33	3725147.17	8.72E-09	2.54E-10	8.98E-09	1.78E-09	5.63E-11	1.84E-09	9.33E-09	2.66E-10	9.59E-09	1.05E-09	2.83E-11	1.07E-09
1822	438519.01	3725160.34	8.64E-09	2.53E-10	8.89E-09	1.76E-09	5.61E-11	1.82E-09	9.24E-09	2.65E-10	9.50E-09	1.04E-09	2.82E-11	1.06E-09
1823	438525.7	3725173.51	8.56E-09	2.52E-10	8.81E-09	1.75E-09	5.60E-11	1.80E-09	9.15E-09	2.65E-10	9.42E-09	1.03E-09	2.82E-11	1.05E-09
1824	438532.39	3725186.67	8.49E-09	2.51E-10	8.74E-09	1.73E-09	5.59E-11	1.79E-09	9.08E-09	2.64E-10	9.34E-09	1.02E-09	2.82E-11	1.05E-09
1825	438539.07	3725199.84	8.40E-09	2.50E-10	8.65E-09	1.72E-09	5.57E-11	1.77E-09	8.99E-09	2.63E-10	9.25E-09	1.01E-09	2.81E-11	1.04E-09
1826	438545.76	3725213.01	8.28E-09	2.47E-10	8.53E-09	1.69E-09	5.53E-11	1.75E-09	8.86E-09	2.61E-10	9.12E-09	9.94E-10	2.79E-11	1.02E-09
1827	438552.45	3725226.17	8.16E-09	2.45E-10	8.40E-09	1.67E-09	5.48E-11	1.72E-09	8.72E-09	2.59E-10	8.98E-09	9.80E-10	2.77E-11	1.01E-09
1828	438559.13	3725239.34	8.02E-09	2.42E-10	8.27E-09	1.64E-09	5.43E-11	1.69E-09	8.58E-09	2.56E-10	8.84E-09	9.64E-10	2.74E-11	9.91E-10
1829	438565.82	3725252.51	7.87E-09	2.38E-10	8.11E-09	1.61E-09	5.35E-11	1.66E-09	8.41E-09	2.53E-10	8.67E-09	9.46E-10	2.71E-11	9.73E-10
1830	438572.5	3725265.67	7.71E-09	2.35E-10	7.95E-09	1.58E-09	5.28E-11	1.63E-09	8.25E-09	2.50E-10	8.50E-09	9.28E-10	2.67E-11	9.55E-10
1831	438579.19	3725278.84	7.55E-09	2.30E-10	7.78E-09	1.54E-09	5.20E-11	1.59E-09	8.07E-09	2.46E-10	8.32E-09	9.08E-10	2.63E-11	9.35E-10
1832	438585.88	3725292	7.39E-09	2.27E-10	7.62E-09	1.51E-09	5.12E-11	1.56E-09	7.90E-09	2.42E-10	8.15E-09	8.90E-10	2.60E-11	9.16E-10
1833	438592.56	3725305.17	7.27E-09	2.24E-10	7.49E-09	1.49E-09	5.06E-11	1.54E-09	7.78E-09	2.39E-10	8.01E-09	8.76E-10	2.57E-11	9.01E-10
1834	438599.25	3725318.34	7.15E-09	2.21E-10	7.37E-09	1.46E-09	5.00E-11	1.51E-09	7.65E-09	2.36E-10	7.88E-09	8.61E-10	2.54E-11	8.87E-10
1835	438605.93	3725331.5	7.04E-09	2.18E-10	7.25E-09	1.44E-09	4.95E-11	1.49E-09	7.53E-09	2.34E-10	7.76E-09	8.48E-10	2.51E-11	8.73E-10
1836	438610.34	3725351.69	6.99E-09	2.17E-10	7.21E-09	1.43E-09	4.94E-11	1.48E-09	7.48E-09	2.33E-10	7.71E-09	8.43E-10	2.51E-11	8.68E-10
1837	438605.79	3725365.74	7.12E-09	2.21E-10	7.34E-09	1.46E-09	5.03E-11	1.51E-09	7.62E-09	2.38E-10	7.85E-09	8.58E-10	2.55E-11	8.84E-10
1838	438601.24	3725379.79	7.26E-09	2.26E-10	7.49E-09	1.49E-09	5.13E-11	1.54E-09	7.77E-09	2.43E-10	8.01E-09	8.75E-10	2.61E-11	9.02E-10
1839	438596.68	3725393.84	7.39E-09	2.30E-10	7.62E-09	1.51E-09	5.23E-11	1.56E-09	7.91E-09	2.47E-10	8.16E-09	8.91E-10	2.66E-11	9.18E-10
1840	438592.13	3725407.88	7.51E-09	2.34E-10	7.74E-09	1.54E-09	5.31E-11	1.59E-09	8.03E-09	2.51E-10	8.28E-09	9.05E-10	2.70E-11	9.32E-10
1841	438560.25	3725506.21	8.07E-09	2.52E-10	8.32E-09	1.65E-09	5.75E-11	1.71E-09	8.63E-09	2.72E-10	8.90E-09	9.73E-10	2.92E-11	1.00E-09
1842	438555.7	3725520.26	8.15E-09	2.55E-10	8.40E-09	1.67E-09	5.80E-11	1.72E-09	8.72E-09	2.74E-10	8.99E-09	9.82E-10	2.95E-11	1.01E-09
1843	438551.14	3725534.31	8.23E-09	2.58E-10	8.49E-09	1.68E-09	5.86E-11	1.74E-09	8.80E-09	2.77E-10	9.08E-09	9.92E-10	2.98E-11	1.02E-09
1844	438490.16	3725021.87	8.24E-09	2.32E-10	8.47E-09	1.68E-09	5.08E-11	1.73E-09	8.81E-09	2.40E-10	9.05E-09	9.87E-10	2.54E-11	1.01E-09
1845	438496.79	3725034.92	8.22E-09	2.32E-10	8.45E-09	1.68E-09	5.10E-11	1.73E-09	8.79E-09	2.41E-10	9.03E-09	9.84E-10	2.55E-11	1.01E-09
1846	438503.41	3725047.97	8.20E-09	2.33E-10	8.43E-09	1.67E-09	5.12E-11	1.72E-09	8.77E-09	2.42E-10	9.01E-09	9.82E-10	2.56E-11	1.01E-09
1847	438510.04	3725061.02	8.17E-09	2.33E-10	8.40E-09	1.67E-09	5.14E-11	1.72E-09	8.74E-09	2.43E-10	8.98E-09	9.78E-10	2.57E-11	1.00E-09
1848	438516.66	3725074.06	8.13E-09	2.33E-10	8.36E-09	1.66E-09	5.15E-11	1.71E-09	8.69E-09	2.43E-10	8.94E-09	9.74E-10	2.58E-11	1.00E-09
1849	438523.29	3725087.11	8.08E-09	2.33E-10	8.31E-09	1.65E-09	5.15E-11	1.70E-09	8.64E-09	2.43E-10	8.89E-09	9.68E-10	2.59E-11	9.94E-10
1850	438529.92	3725100.16	8.05E-09	2.34E-10	8.29E-09	1.64E-09	5.17E-11	1.70E-09	8.61E-09	2.44E-10	8.85E-09	9.65E-10	2.60E-11	9.91E-10
1851	438536.54	3725113.21	8.02E-09	2.34E-10	8.25E-09	1.64E-09	5.18E-11	1.69E-09	8.58E-09	2.45E-10	8.82E-09	9.62E-10	2.61E-11	9.88E-10
1852	438543.17	3725126.26	7.99E-09	2.34E-10	8.22E-09	1.63E-09	5.19E-11	1.68E-09	8.54E-09	2.45E-10	8.79E-09	9.58E-10	2.61E-11	9.84E-10
1853	438549.8	3725139.3	7.95E-09	2.34E-10	8.19E-09	1.62E-09	5.20E-11	1.68E-09	8.50E-09	2.46E-10	8.75E-09	9.54E-10	2.62E-11	9.80E-10
1854	438556.42	3725152.35	7.91E-09	2.34E-10	8.15E-09	1.62E-09	5.21E-11	1.67E-09	8.46E-09	2.46E-10	8.71E-09	9.49E-10	2.62E-11	9.76E-10
1855	438563.05	3725165.4	7.87E-09	2.33E-10	8.10E-09	1.61E-09	5.21E-11	1.66E-09	8.41E-09	2.46E-10	8.66E-09	9.44E-10	2.63E-11	9.71E-10
1856	438569.67	3725178.45	7.81E-09	2.33E-10	8.05E-09	1.60E-09	5.21E-11	1.65E-09	8.36E-09	2.46E-10	8.60E-09	9.38E-10	2.63E-11	9.65E-10
1857	438576.3	3725191.49	7.73E-09	2.31E-10	7.96E-09	1.58E-09	5.18E-11	1.63E-09	8.26E-09	2.45E-10	8.51E-09	9.28E-10	2.61E-11	9.54E-10
1858	438582.93	3725204.54	7.64E-09	2.30E-10	7.87E-09	1.56E-09	5.15E-11	1.61E-09	8.17E-09	2.43E-10	8.41E-09	9.18E-10	2.60E-11	9.44E-10
1859	438589.55	3725217.59	7.53E-09	2.27E-10	7.75E-09	1.54E-09	5.11E-11	1.59E-09	8.05E-09	2.41E-10	8.29E-09	9.05E-10	2.58E-11	9.31E-10
1860	438596.18	3725230.64	7.41E-09	2.25E-10	7.64E-09	1.51E-09	5.06E-11	1.57E-09	7.93E-09	2.39E-10	8.17E-09	8.92E-10	2.56E-11	9.17E-10
1861	438602.8	3725243.69	7.29E-09	2.22E-10	7.51E-09	1.49E-09	5.00E-11	1.54E-09	7.80E-09	2.36E-10	8.03E-09	8.77E-10	2.53E-11	9.03E-10
1862	438609.43	3725256.73	7.16E-09	2.19E-10	7.38E-09	1.46E-09	4.94E-11	1.51E-09	7.66E-09	2.34E-10	7.89E-09	8.62E-10	2.50E-11	8.87E-10
1863	438616.06	3725269.78	7.03E-09	2.16E-10	7.25E-09	1.44E-09	4.88E-11	1.49E-09	7.52E-09	2.31E-10	7.75E-09	8.47E-10	2.47E-11	8.72E-10
1864	438622.68	3725282.83	6.89E-09	2.12E-10	7.10E-09	1.41E-09	4.81E-11	1.46E-09	7.37E-09	2.27E-10	7.60E-09	8.30E-10	2.44E-11	8.55E-10
1865	438629.31	3725295.88	6.75E-09	2.09E-10	6.96E-09	1.38E-09	4.74E-11	1.43E-09	7.22E-09	2.24E-10	7.45E-09	8.14E-10	2.40E-11	8.38E-10
1866	438635.93	3725308.93	6.63E-09	2.06E-10	6.84E-09	1.36E-09	4.67E-11	1.40E-09	7.09E-09	2.21E-10	7.31E-09	8.00E-10	2.37E-11	8.23E-10
1867	438642.56	3725321.97	6.51E-09	2.03E-10	6.71E-09	1.33E-09	4.61E-11	1.38E-09	6.96E-09	2.18E-10	7.18E-09	7.86E-10	2.34E-11	8.09E-10
1868	438649.19	3725335.02	6.42E-09	2.00E-10	6.62E-09	1.31E-09	4.56E-11	1.36E-09	6.87E-09	2.16E-10	7.08E-09	7.75E-10	2.32E-11	7.98E-10

1869	438650.24	3725348.51	6.41E-09	2.00E-10	6.61E-09	1.31E-09	4.57E-11	1.36E-09	6.86E-09	2.16E-10	7.07E-09	7.74E-10	2.32E-11	7.97E-10
1870	438645.73	3725362.43	6.48E-09	2.03E-10	6.69E-09	1.33E-09	4.62E-11	1.37E-09	6.94E-09	2.19E-10	7.15E-09	7.83E-10	2.35E-11	8.06E-10
1871	438641.22	3725376.35	6.58E-09	2.06E-10	6.79E-09	1.35E-09	4.69E-11	1.39E-09	7.04E-09	2.22E-10	7.26E-09	7.94E-10	2.39E-11	8.18E-10
1872	438636.7	3725390.27	6.69E-09	2.10E-10	6.90E-09	1.37E-09	4.78E-11	1.42E-09	7.16E-09	2.26E-10	7.39E-09	8.08E-10	2.43E-11	8.32E-10
1873	438632.19	3725404.19	6.83E-09	2.14E-10	7.04E-09	1.40E-09	4.87E-11	1.45E-09	7.30E-09	2.30E-10	7.53E-09	8.24E-10	2.48E-11	8.49E-10
1874	438627.68	3725418.11	6.95E-09	2.18E-10	7.17E-09	1.42E-09	4.97E-11	1.47E-09	7.44E-09	2.35E-10	7.67E-09	8.39E-10	2.52E-11	8.64E-10
1875	438623.16	3725432.03	7.04E-09	2.21E-10	7.26E-09	1.44E-09	5.03E-11	1.49E-09	7.53E-09	2.38E-10	7.77E-09	8.49E-10	2.56E-11	8.75E-10
1876	438618.65	3725445.95	7.12E-09	2.23E-10	7.34E-09	1.46E-09	5.09E-11	1.51E-09	7.61E-09	2.41E-10	7.85E-09	8.59E-10	2.59E-11	8.85E-10
1877	438587.06	3725543.4	7.58E-09	2.39E-10	7.82E-09	1.55E-09	5.44E-11	1.61E-09	8.11E-09	2.57E-10	8.37E-09	9.15E-10	2.77E-11	9.42E-10
1878	438582.55	3725557.32	7.64E-09	2.40E-10	7.88E-09	1.56E-09	5.49E-11	1.62E-09	8.17E-09	2.59E-10	8.43E-09	9.22E-10	2.79E-11	9.50E-10
1879	438578.03	3725571.24	7.70E-09	2.42E-10	7.94E-09	1.58E-09	5.53E-11	1.63E-09	8.24E-09	2.61E-10	8.50E-09	9.29E-10	2.81E-11	9.57E-10
1880	438438.13	3726002.78	8.80E-09	2.86E-10	9.09E-09	1.80E-09	6.60E-11	1.87E-09	9.42E-09	3.12E-10	9.73E-09	1.07E-09	3.37E-11	1.10E-09
1881	438529.76	3725018.19	7.50E-09	2.14E-10	7.72E-09	1.53E-09	4.71E-11	1.58E-09	8.02E-09	2.23E-10	8.25E-09	8.99E-10	2.36E-11	9.23E-10
1882	438536.39	3725031.26	7.48E-09	2.14E-10	7.69E-09	1.53E-09	4.73E-11	1.57E-09	7.99E-09	2.23E-10	8.22E-09	8.96E-10	2.37E-11	9.20E-10
1883	438543.03	3725044.33	7.45E-09	2.14E-10	7.66E-09	1.52E-09	4.74E-11	1.57E-09	7.96E-09	2.24E-10	8.19E-09	8.93E-10	2.38E-11	9.17E-10
1884	438549.67	3725057.4	7.41E-09	2.14E-10	7.63E-09	1.51E-09	4.75E-11	1.56E-09	7.93E-09	2.24E-10	8.15E-09	8.89E-10	2.39E-11	9.13E-10
1885	438556.31	3725070.47	7.38E-09	2.15E-10	7.60E-09	1.51E-09	4.76E-11	1.55E-09	7.89E-09	2.25E-10	8.12E-09	8.86E-10	2.39E-11	9.10E-10
1886	438562.94	3725083.54	7.35E-09	2.15E-10	7.56E-09	1.50E-09	4.77E-11	1.55E-09	7.86E-09	2.25E-10	8.08E-09	8.82E-10	2.40E-11	9.06E-10
1887	438569.58	3725096.61	7.32E-09	2.15E-10	7.54E-09	1.50E-09	4.78E-11	1.54E-09	7.83E-09	2.26E-10	8.06E-09	8.79E-10	2.41E-11	9.03E-10
1888	438576.22	3725109.69	7.30E-09	2.15E-10	7.51E-09	1.49E-09	4.79E-11	1.54E-09	7.80E-09	2.26E-10	8.03E-09	8.76E-10	2.41E-11	9.00E-10
1889	438582.86	3725122.76	7.27E-09	2.15E-10	7.49E-09	1.49E-09	4.81E-11	1.53E-09	7.78E-09	2.27E-10	8.00E-09	8.74E-10	2.42E-11	8.98E-10
1890	438589.49	3725135.83	7.25E-09	2.16E-10	7.47E-09	1.48E-09	4.82E-11	1.53E-09	7.76E-09	2.28E-10	7.98E-09	8.71E-10	2.43E-11	8.96E-10
1891	438596.13	3725148.9	7.22E-09	2.16E-10	7.44E-09	1.48E-09	4.83E-11	1.52E-09	7.73E-09	2.28E-10	7.95E-09	8.68E-10	2.44E-11	8.93E-10
1892	438602.77	3725161.97	7.19E-09	2.15E-10	7.41E-09	1.47E-09	4.83E-11	1.52E-09	7.69E-09	2.28E-10	7.92E-09	8.65E-10	2.44E-11	8.89E-10
1893	438609.41	3725175.04	7.17E-09	2.15E-10	7.38E-09	1.46E-09	4.84E-11	1.51E-09	7.66E-09	2.29E-10	7.89E-09	8.62E-10	2.44E-11	8.86E-10
1894	438616.04	3725188.11	7.09E-09	2.14E-10	7.30E-09	1.45E-09	4.81E-11	1.50E-09	7.58E-09	2.27E-10	7.81E-09	8.53E-10	2.43E-11	8.77E-10
1895	438622.68	3725201.18	7.02E-09	2.13E-10	7.24E-09	1.44E-09	4.79E-11	1.48E-09	7.51E-09	2.27E-10	7.74E-09	8.45E-10	2.43E-11	8.70E-10
1896	438629.32	3725214.25	6.94E-09	2.11E-10	7.15E-09	1.42E-09	4.76E-11	1.47E-09	7.43E-09	2.25E-10	7.65E-09	8.36E-10	2.41E-11	8.60E-10
1897	438635.96	3725227.32	6.84E-09	2.09E-10	7.05E-09	1.40E-09	4.72E-11	1.45E-09	7.32E-09	2.23E-10	7.54E-09	8.24E-10	2.39E-11	8.48E-10
1898	438642.59	3725240.39	6.74E-09	2.07E-10	6.95E-09	1.38E-09	4.67E-11	1.42E-09	7.21E-09	2.21E-10	7.43E-09	8.12E-10	2.37E-11	8.36E-10
1899	438649.23	3725253.46	6.63E-09	2.04E-10	6.84E-09	1.36E-09	4.62E-11	1.40E-09	7.09E-09	2.19E-10	7.31E-09	7.99E-10	2.34E-11	8.23E-10
1900	438655.87	3725266.53	6.52E-09	2.02E-10	6.73E-09	1.33E-09	4.57E-11	1.38E-09	6.98E-09	2.16E-10	7.19E-09	7.87E-10	2.32E-11	8.10E-10
1901	438662.51	3725279.6	6.40E-09	1.98E-10	6.60E-09	1.31E-09	4.50E-11	1.35E-09	6.84E-09	2.13E-10	7.06E-09	7.72E-10	2.29E-11	7.95E-10
1902	438669.15	3725292.67	6.28E-09	1.95E-10	6.47E-09	1.28E-09	4.44E-11	1.33E-09	6.72E-09	2.10E-10	6.93E-09	7.58E-10	2.26E-11	7.80E-10
1903	438675.78	3725305.74	6.17E-09	1.93E-10	6.36E-09	1.26E-09	4.38E-11	1.31E-09	6.60E-09	2.07E-10	6.81E-09	7.45E-10	2.23E-11	7.67E-10
1904	438682.42	3725318.82	6.06E-09	1.90E-10	6.25E-09	1.24E-09	4.33E-11	1.28E-09	6.49E-09	2.05E-10	6.69E-09	7.33E-10	2.20E-11	7.55E-10
1905	438689.06	3725331.89	5.97E-09	1.87E-10	6.16E-09	1.22E-09	4.28E-11	1.27E-09	6.39E-09	2.02E-10	6.59E-09	7.22E-10	2.18E-11	7.43E-10
1906	438690.12	3725345.39	5.95E-09	1.87E-10	6.14E-09	1.22E-09	4.27E-11	1.26E-09	6.37E-09	2.02E-10	6.57E-09	7.19E-10	2.17E-11	7.41E-10
1907	438685.6	3725359.34	6.00E-09	1.89E-10	6.19E-09	1.23E-09	4.31E-11	1.27E-09	6.42E-09	2.04E-10	6.62E-09	7.25E-10	2.19E-11	7.47E-10
1908	438681.07	3725373.28	6.08E-09	1.91E-10	6.27E-09	1.25E-09	4.37E-11	1.29E-09	6.51E-09	2.07E-10	6.71E-09	7.35E-10	2.23E-11	7.57E-10
1909	438676.55	3725387.23	6.17E-09	1.94E-10	6.36E-09	1.26E-09	4.44E-11	1.31E-09	6.60E-09	2.10E-10	6.81E-09	7.45E-10	2.26E-11	7.68E-10
1910	438672.03	3725401.17	6.26E-09	1.97E-10	6.46E-09	1.28E-09	4.50E-11	1.33E-09	6.70E-09	2.13E-10	6.91E-09	7.56E-10	2.29E-11	7.79E-10
1911	438667.51	3725415.12	6.36E-09	2.00E-10	6.56E-09	1.30E-09	4.58E-11	1.35E-09	6.81E-09	2.16E-10	7.02E-09	7.69E-10	2.33E-11	7.92E-10
1912	438662.99	3725429.06	6.47E-09	2.04E-10	6.67E-09	1.32E-09	4.66E-11	1.37E-09	6.92E-09	2.20E-10	7.14E-09	7.81E-10	2.37E-11	8.05E-10
1913	438658.47	3725443.01	6.57E-09	2.07E-10	6.77E-09	1.34E-09	4.73E-11	1.39E-09	7.03E-09	2.24E-10	7.25E-09	7.93E-10	2.41E-11	8.17E-10
1914	438653.95	3725456.95	6.63E-09	2.09E-10	6.84E-09	1.36E-09	4.78E-11	1.41E-09	7.10E-09	2.26E-10	7.32E-09	8.01E-10	2.43E-11	8.26E-10
1915	438649.43	3725470.9	6.69E-09	2.11E-10	6.90E-09	1.37E-09	4.83E-11	1.42E-09	7.16E-09	2.28E-10	7.39E-09	8.08E-10	2.46E-11	8.33E-10
1916	438644.91	3725484.84	6.75E-09	2.13E-10	6.96E-09	1.38E-09	4.87E-11	1.43E-09	7.22E-09	2.30E-10	7.45E-09	8.15E-10	2.48E-11	8.40E-10
1917	438613.26	3725582.46	7.14E-09	2.26E-10	7.37E-09	1.46E-09	5.16E-11	1.51E-09	7.64E-09	2.44E-10	7.89E-09	8.63E-10	2.63E-11	8.89E-10
1918	438504.76	3725917.13	8.24E-09	2.62E-10	8.50E-09	1.69E-09	6.00E-11	1.75E-09	8.81E-09	2.84E-10	9.10E-09	9.96E-10	3.06E-11	1.03E-09
1919	438500.24	3725931.08	8.26E-09	2.63E-10	8.53E-09	1.69E-09	6.03E-11	1.75E-09	8.84E-09	2.85E-10	9.12E-09	9.99E-10	3.07E-11	1.03E-09
1920	438495.72	3725945.02	8.28E-09	2.64E-10	8.54E-09	1.69E-09	6.06E-11	1.75E-09	8.85E-09	2.87E-10	9.14E-09	1.00E-09	3.09E-11	1.03E-09
1921	438491.2	3725958.97	8.29E-09	2.65E-10	8.55E-09	1.70E-09	6.09E-11	1.76E-09	8.86E-09	2.88E-10	9.15E-09	1.00E-09	3.11E-11	1.03E-09
1922	438486.68	3725972.91	8.29E-09	2.66E-10	8.56E-09	1.70E-09	6.12E-11	1.76E-09	8.87E-09	2.89E-10	9.16E-09	1.00E-09	3.12E-11	1.03E-09
1923	438482.16	3725986.86	8.28E-09	2.67E-10	8.55E-09	1.70E-09	6.14E-11	1.76E-09	8.86E-09	2.90E-10	9.15E-09	1.00E-09	3.13E-11	1.03E-09
1924	438477.64	3726000.8	8.26E-09	2.67E-10	8.53E-09	1.69E-09	6.15E-11	1.75E-09	8.84E-09	2.91E-10	9.13E-09	1.00E-09	3.14E-11	1.03E-09
1925	438473.12	3726014.75	8.24E-09	2.67E-10	8.51E-09	1.69E-09	6.16E-11	1.75E-09	8.82E-09	2.91E-10	9.11E-09	9.98E-10	3.15E-11	1.03E-09
1926	438468.6	3726028.69	8.23E-09	2.68E-10	8.50E-09	1.69E-09	6.19E-11	1.75E-09	8.80E-09	2.92E-10	9.10E-09	9.97E-10	3.16E-11	1.03E-09
1927	438576.02	3725027.65	6.81E-09	1.97E-10	7.00E-09	1.39E-09	4.38E-11	1.43E-09	7.28E-09	2.07E-10	7.49E-09	8.17E-10	2.20E-11	8.40E-10
1928	438582.67	3725040.74	6.78E-09	1.98E-10	6.97E-09	1.38E-09	4.39E-11	1.43E-09	7.25E-09	2.07E-10	7.45E-09	8.14E-10	2.21E-11	8.36E-10
1929	438589.32	3725053.83	6.73E-09	1.97E-10	6.93E-09	1.38E-09	4.39E-11	1.42E-09	7.20E-09	2.07E-10	7.41E-09	8.09E-10	2.21E-11	8.31E-10
1930	438595.97	3725066.92	6.71E-09	1.97E-10	6.91E-09	1.37E-09	4.40E-11	1.42E-09	7.18E-09	2.08E-10	7.39E-09	8.07E-10	2.22E-11	8.29E-10
1931	438602.61	3725080.01	6.71E-09	1.98E-10	6.91E-09	1.37E-09	4.42E-11	1.41E-09	7.17E-09	2.09E-10	7.38E-09	8.06E-10	2.23E-11	8.29E-10
1932	438609.26	3725093.1	6.70E-09	1.99E-10	6.90E-09	1.37E-09	4.44E-11	1.41E-09	7.16E-09	2.10E-10	7.37E-09	8.05E-10	2.24E-11	8.28E-10
1933	438615.91	3725106.19	6.68E-09	1.99E-10	6.88E-09	1.37E-09	4.45E-11	1.41E-09	7.15E-09	2.10E-10	7.36E-09	8.03E-10	2.25E-11	8.26E-10
1934	438622.56	3725119.29	6.66E-09	1.99E-10	6.86E-09	1.36E-09	4.46E-11	1.41E-09	7.12E-09	2.11E-10	7.33E-09	8.01E-10	2.25E-11	8.24E-10
1935	438629.21	3725132.38	6.63E-09	1.99E-10	6.83E-09	1.36E-09	4.47E-11	1.40E-09	7.09E-09	2.11E-10	7.30E-09	7.98E-10	2.26E-11	8.20E-10
1936	438635.86	3725145.47	6.59E-09	1.99E-10	6.79E-09	1.35E-09	4.47E-11	1.39E-09	7.05E-09	2.11E-10	7.26E-09	7.94E-10	2.26E-11	8.16E-10
1937	438642.5	3725158.56	6.56E-09	1.98E-10	6.75E-09	1.34E-09	4.46E-11	1.39E-09	7.01E-09	2.11E-10	7.22E-09	7.89E-10	2.26E-11	8.12E-10
1938	438649.15	3725171.65	6.51E-09	1.98E-10	6.71E-09	1.33E-09	4.46E-11	1.38E-09	6.96E-09	2.11E-10	7.18E-09	7.84E-10	2.26E-11	8.07E-10
1939	438655.8	3725184.74	6.47E-09	1.97E-10	6.67E-09	1.32E-09	4.45E-11	1.37E-09	6.92E-09	2.10E-10	7.13E-09	7.79E-10	2.25E-11	8.02E-10
1940	438662.45	3725197.84	6.44E-09	1.97E-10	6.64E-09	1.32E-09	4.45E-11	1.36E-09	6.89E-09	2.10E-10	7.10E-09	7.76E-10	2.25E-11	7.99E-10
1941	438669.1	3725210.93	6.40E-09	1.96E-10	6.59E-09	1.31E-09	4.44E-11	1.35E-09	6.84E-09	2.10E-10	7.05E-09	7.71E-10	2.25E-11	7.94E-10
1942	438675.74	3725224.02	6.31E-09	1.94E-10	6.51E-09	1.29E-09	4.40E-11	1.34E-09	6.75E-09	2.08E-10	6.96E-09	7.61E-10	2.23E-11	7.84E-10
1943	438682.39	3725237.11	6.23E-09	1.92E-10	6.42E-09	1.27E-09	4.36E-11	1.32E-09	6.66E-09	2.06E-10	6.87E-09	7.51E-10	2.21E-11	7.73E-10
1944	438689.04	3725250.2	6.14E-09	1.90E-10	6.33E-09	1.26E-09	4.32E-11	1.30E-09	6.57E-09	2.04E-10	6.77E-09	7.41E-10	2.19E-11	7.63E-10
1945	438695.69	3725263.29	6.06E-09	1.88E-10	6.24E-09	1.24E-09	4.28E-11	1.28E-09	6.48E-09	2.02E-10	6.68E-09	7.31E-10	2.17E-11	7.53E-10
1946	438702.34	3725276.38	5.96E-09	1.86E-10	6.15E-09	1.22E-09	4.23E-11	1.26E-09	6.38E-09	2.00E-10	6.58E-09	7.20E-10	2.15E-11	7.41E-10

1947	438708.99	3725289.48	5.86E-09	1.83E-10	6.05E-09	1.20E-09	4.18E-11	1.24E-09	6.27E-09	1.98E-10	6.47E-09	7.08E-10	2.13E-11	7.30E-10
1948	438715.63	3725302.57	5.77E-09	1.81E-10	5.95E-09	1.18E-09	4.13E-11	1.22E-09	6.17E-09	1.95E-10	6.37E-09	6.97E-10	2.10E-11	7.18E-10
1949	438722.28	3725315.66	5.69E-09	1.79E-10	5.86E-09	1.16E-09	4.08E-11	1.20E-09	6.08E-09	1.93E-10	6.28E-09	6.87E-10	2.08E-11	7.08E-10
1950	438728.93	3725328.75	5.61E-09	1.77E-10	5.79E-09	1.15E-09	4.04E-11	1.19E-09	6.00E-09	1.91E-10	6.20E-09	6.79E-10	2.06E-11	6.99E-10
1951	438729.99	3725342.28	5.59E-09	1.76E-10	5.76E-09	1.14E-09	4.03E-11	1.18E-09	5.98E-09	1.91E-10	6.17E-09	6.76E-10	2.05E-11	6.96E-10
1952	438725.46	3725356.25	5.61E-09	1.77E-10	5.79E-09	1.15E-09	4.06E-11	1.19E-09	6.00E-09	1.92E-10	6.19E-09	6.78E-10	2.07E-11	6.99E-10
1953	438720.93	3725370.21	5.67E-09	1.79E-10	5.85E-09	1.16E-09	4.10E-11	1.20E-09	6.07E-09	1.94E-10	6.26E-09	6.86E-10	2.09E-11	7.07E-10
1954	438716.41	3725384.18	5.74E-09	1.81E-10	5.92E-09	1.17E-09	4.15E-11	1.22E-09	6.14E-09	1.96E-10	6.34E-09	6.94E-10	2.12E-11	7.15E-10
1955	438711.88	3725398.15	5.81E-09	1.84E-10	5.99E-09	1.19E-09	4.21E-11	1.23E-09	6.22E-09	1.99E-10	6.42E-09	7.03E-10	2.14E-11	7.24E-10
1956	438707.35	3725412.12	5.89E-09	1.86E-10	6.07E-09	1.21E-09	4.27E-11	1.25E-09	6.30E-09	2.02E-10	6.50E-09	7.12E-10	2.17E-11	7.34E-10
1957	438702.82	3725426.08	5.97E-09	1.89E-10	6.16E-09	1.22E-09	4.33E-11	1.27E-09	6.39E-09	2.05E-10	6.59E-09	7.22E-10	2.20E-11	7.44E-10
1958	438698.29	3725440.05	6.06E-09	1.92E-10	6.25E-09	1.24E-09	4.39E-11	1.28E-09	6.48E-09	2.08E-10	6.69E-09	7.32E-10	2.24E-11	7.55E-10
1959	438693.77	3725454.02	6.13E-09	1.94E-10	6.33E-09	1.26E-09	4.45E-11	1.30E-09	6.56E-09	2.10E-10	6.77E-09	7.42E-10	2.27E-11	7.64E-10
1960	438689.24	3725467.99	6.20E-09	1.96E-10	6.40E-09	1.27E-09	4.50E-11	1.31E-09	6.63E-09	2.13E-10	6.84E-09	7.49E-10	2.29E-11	7.72E-10
1961	438684.71	3725481.95	6.25E-09	1.98E-10	6.45E-09	1.28E-09	4.54E-11	1.33E-09	6.69E-09	2.15E-10	6.91E-09	7.56E-10	2.31E-11	7.79E-10
1962	438680.18	3725495.92	6.30E-09	2.00E-10	6.50E-09	1.29E-09	4.58E-11	1.34E-09	6.74E-09	2.16E-10	6.96E-09	7.62E-10	2.33E-11	7.85E-10
1963	438675.65	3725509.89	6.35E-09	2.02E-10	6.55E-09	1.30E-09	4.62E-11	1.35E-09	6.80E-09	2.18E-10	7.01E-09	7.68E-10	2.35E-11	7.92E-10
1964	438671.13	3725523.85	6.40E-09	2.03E-10	6.60E-09	1.31E-09	4.65E-11	1.36E-09	6.85E-09	2.20E-10	7.07E-09	7.74E-10	2.37E-11	7.97E-10
1965	438666.6	3725537.82	6.44E-09	2.05E-10	6.65E-09	1.32E-09	4.69E-11	1.37E-09	6.89E-09	2.22E-10	7.11E-09	7.79E-10	2.39E-11	8.03E-10
1966	438594.15	3725761.3	7.18E-09	2.27E-10	7.41E-09	1.47E-09	5.20E-11	1.52E-09	7.68E-09	2.46E-10	7.93E-09	8.68E-10	2.65E-11	8.94E-10
1967	438589.62	3725775.27	7.23E-09	2.28E-10	7.45E-09	1.48E-09	5.23E-11	1.53E-09	7.73E-09	2.47E-10	7.98E-09	8.73E-10	2.66E-11	9.00E-10
1968	438557.92	3725873.04	7.53E-09	2.38E-10	7.76E-09	1.54E-09	5.45E-11	1.59E-09	8.05E-09	2.58E-10	8.31E-09	9.09E-10	2.78E-11	9.37E-10
1969	438553.4	3725887	7.56E-09	2.40E-10	7.80E-09	1.55E-09	5.49E-11	1.60E-09	8.09E-09	2.59E-10	8.35E-09	9.14E-10	2.80E-11	9.42E-10
1970	438548.87	3725900.97	7.60E-09	2.41E-10	7.84E-09	1.56E-09	5.52E-11	1.61E-09	8.13E-09	2.61E-10	8.39E-09	9.19E-10	2.81E-11	9.47E-10
1971	438544.34	3725914.94	7.64E-09	2.43E-10	7.88E-09	1.56E-09	5.56E-11	1.62E-09	8.17E-09	2.63E-10	8.44E-09	9.24E-10	2.83E-11	9.52E-10
1972	438539.81	3725928.9	7.67E-09	2.44E-10	7.92E-09	1.57E-09	5.60E-11	1.63E-09	8.21E-09	2.65E-10	8.47E-09	9.28E-10	2.85E-11	9.56E-10
1973	438535.28	3725942.87	7.70E-09	2.46E-10	7.95E-09	1.58E-09	5.63E-11	1.63E-09	8.24E-09	2.66E-10	8.51E-09	9.31E-10	2.87E-11	9.60E-10
1974	438530.75	3725956.84	7.72E-09	2.47E-10	7.97E-09	1.58E-09	5.66E-11	1.64E-09	8.26E-09	2.68E-10	8.53E-09	9.34E-10	2.89E-11	9.63E-10
1975	438526.23	3725970.81	7.75E-09	2.48E-10	7.99E-09	1.59E-09	5.70E-11	1.64E-09	8.29E-09	2.69E-10	8.56E-09	9.37E-10	2.91E-11	9.66E-10
1976	438521.7	3725984.77	7.77E-09	2.49E-10	8.01E-09	1.59E-09	5.73E-11	1.65E-09	8.31E-09	2.71E-10	8.58E-09	9.40E-10	2.93E-11	9.69E-10
1977	438517.17	3725998.74	7.76E-09	2.50E-10	8.01E-09	1.59E-09	5.75E-11	1.65E-09	8.30E-09	2.72E-10	8.57E-09	9.39E-10	2.93E-11	9.68E-10
1978	438512.64	3726012.71	7.74E-09	2.50E-10	7.99E-09	1.59E-09	5.76E-11	1.64E-09	8.28E-09	2.72E-10	8.56E-09	9.38E-10	2.94E-11	9.67E-10
1979	438476.5	3725934.46	8.62E-09	2.75E-10	8.90E-09	1.77E-09	6.31E-11	1.83E-09	9.23E-09	2.98E-10	9.52E-09	1.04E-09	3.22E-11	1.07E-09
1980	438497.2	3725973.22	8.14E-09	2.61E-10	8.40E-09	1.67E-09	6.00E-11	1.73E-09	8.71E-09	2.84E-10	8.99E-09	9.85E-10	3.06E-11	1.02E-09
1981	438502.73	3725966	8.09E-09	2.59E-10	8.35E-09	1.66E-09	5.95E-11	1.72E-09	8.65E-09	2.81E-10	8.94E-09	9.78E-10	3.04E-11	1.01E-09
1982	438508.26	3725958.79	8.04E-09	2.57E-10	8.29E-09	1.65E-09	5.90E-11	1.70E-09	8.60E-09	2.79E-10	8.88E-09	9.72E-10	3.01E-11	1.00E-09
1983	438528.95	3725997.55	7.61E-09	2.45E-10	7.86E-09	1.56E-09	5.63E-11	1.62E-09	8.15E-09	2.66E-10	8.41E-09	9.22E-10	2.88E-11	9.50E-10
1984	438534.48	3725990.33	7.57E-09	2.43E-10	7.82E-09	1.55E-09	5.59E-11	1.61E-09	8.10E-09	2.64E-10	8.37E-09	9.17E-10	2.86E-11	9.45E-10
1985	438540.01	3725983.11	7.53E-09	2.41E-10	7.77E-09	1.54E-09	5.55E-11	1.60E-09	8.05E-09	2.62E-10	8.32E-09	9.11E-10	2.83E-11	9.39E-10
1986	438532.37	3725523.37	8.60E-09	2.68E-10	8.86E-09	1.76E-09	6.10E-11	1.82E-09	9.19E-09	2.88E-10	9.48E-09	1.04E-09	3.10E-11	1.07E-09
1987	438566.53	3725546.99	7.93E-09	2.49E-10	8.18E-09	1.62E-09	5.67E-11	1.68E-09	8.48E-09	2.68E-10	8.75E-09	9.56E-10	2.88E-11	9.85E-10
1988	438571.6	3725531.21	7.85E-09	2.47E-10	8.10E-09	1.61E-09	5.62E-11	1.66E-09	8.40E-09	2.66E-10	8.67E-09	9.47E-10	2.86E-11	9.76E-10
1989	438598.9	3725569.98	7.37E-09	2.33E-10	7.60E-09	1.51E-09	5.31E-11	1.56E-09	7.89E-09	2.51E-10	8.14E-09	8.90E-10	2.70E-11	9.17E-10
1990	438592.04	3725585.1	7.47E-09	2.36E-10	7.70E-09	1.53E-09	5.38E-11	1.58E-09	7.99E-09	2.54E-10	8.24E-09	9.01E-10	2.74E-11	9.29E-10
1991	438684.17	3725570.58	6.20E-09	1.98E-10	6.40E-09	1.27E-09	4.53E-11	1.32E-09	6.64E-09	2.14E-10	6.85E-09	7.50E-10	2.31E-11	7.73E-10
1992	438539.3	3725890.28	7.77E-09	2.46E-10	8.01E-09	1.59E-09	5.63E-11	1.65E-09	8.31E-09	2.66E-10	8.58E-09	9.39E-10	2.87E-11	9.67E-10
1993	438532.4	3725905.5	7.84E-09	2.49E-10	8.09E-09	1.61E-09	5.70E-11	1.66E-09	8.39E-09	2.69E-10	8.66E-09	9.48E-10	2.90E-11	9.77E-10
1994	438525.5	3725920.73	7.91E-09	2.51E-10	8.16E-09	1.62E-09	5.76E-11	1.68E-09	8.46E-09	2.72E-10	8.74E-09	9.56E-10	2.94E-11	9.85E-10
1995	438518.6	3725935.95	7.97E-09	2.54E-10	8.22E-09	1.63E-09	5.82E-11	1.69E-09	8.52E-09	2.75E-10	8.80E-09	9.63E-10	2.97E-11	9.93E-10
1996	438689.27	3725554.71	6.15E-09	1.96E-10	6.35E-09	1.26E-09	4.50E-11	1.31E-09	6.58E-09	2.13E-10	6.80E-09	7.44E-10	2.29E-11	7.67E-10
1997	438723.39	3725578.44	5.74E-09	1.84E-10	5.93E-09	1.18E-09	4.22E-11	1.22E-09	6.15E-09	2.00E-10	6.35E-09	6.96E-10	2.15E-11	7.17E-10
1998	438716.47	3725593.71	5.81E-09	1.86E-10	6.00E-09	1.19E-09	4.27E-11	1.23E-09	6.22E-09	2.02E-10	6.42E-09	7.04E-10	2.18E-11	7.26E-10
1999	438709.55	3725608.98	5.88E-09	1.88E-10	6.07E-09	1.20E-09	4.32E-11	1.25E-09	6.29E-09	2.04E-10	6.50E-09	7.12E-10	2.20E-11	7.34E-10
2000	438702.63	3725624.26	5.95E-09	1.90E-10	6.14E-09	1.22E-09	4.37E-11	1.26E-09	6.37E-09	2.07E-10	6.57E-09	7.21E-10	2.23E-11	7.43E-10
2001	438661.11	3725715.88	6.37E-09	2.03E-10	6.58E-09	1.31E-09	4.65E-11	1.35E-09	6.82E-09	2.20E-10	7.04E-09	7.71E-10	2.37E-11	7.95E-10
2002	438640.35	3725761.69	6.57E-09	2.09E-10	6.77E-09	1.34E-09	4.78E-11	1.39E-09	7.03E-09	2.26E-10	7.25E-09	7.94E-10	2.44E-11	8.19E-10
2003	438633.43	3725776.96	6.63E-09	2.11E-10	6.84E-09	1.36E-09	4.82E-11	1.41E-09	7.10E-09	2.28E-10	7.33E-09	8.02E-10	2.46E-11	8.27E-10
2004	438626.51	3725792.23	6.70E-09	2.13E-10	6.92E-09	1.37E-09	4.87E-11	1.42E-09	7.17E-09	2.30E-10	7.40E-09	8.11E-10	2.48E-11	8.36E-10
2005	438619.59	3725807.5	6.77E-09	2.15E-10	6.99E-09	1.39E-09	4.92E-11	1.44E-09	7.24E-09	2.32E-10	7.48E-09	8.19E-10	2.51E-11	8.44E-10
2006	438612.67	3725822.77	6.84E-09	2.17E-10	7.06E-09	1.40E-09	4.96E-11	1.45E-09	7.32E-09	2.35E-10	7.55E-09	8.27E-10	2.53E-11	8.52E-10
2007	438605.75	3725838.04	6.91E-09	2.19E-10	7.13E-09	1.41E-09	5.01E-11	1.46E-09	7.39E-09	2.37E-10	7.63E-09	8.35E-10	2.55E-11	8.61E-10
2008	438598.83	3725853.31	6.97E-09	2.21E-10	7.19E-09	1.43E-09	5.06E-11	1.48E-09	7.46E-09	2.39E-10	7.70E-09	8.43E-10	2.58E-11	8.69E-10
2009	438591.91	3725868.59	7.05E-09	2.23E-10	7.27E-09	1.44E-09	5.12E-11	1.49E-09	7.54E-09	2.42E-10	7.78E-09	8.52E-10	2.61E-11	8.78E-10
2010	438584.99	3725883.86	7.13E-09	2.26E-10	7.36E-09	1.46E-09	5.18E-11	1.51E-09	7.63E-09	2.45E-10	7.87E-09	8.62E-10	2.64E-11	8.88E-10
2011	438578.07	3725899.13	7.21E-09	2.29E-10	7.43E-09	1.48E-09	5.24E-11	1.53E-09	7.71E-09	2.48E-10	7.96E-09	8.71E-10	2.67E-11	8.98E-10
2012	438571.15	3725914.4	7.27E-09	2.31E-10	7.50E-09	1.49E-09	5.30E-11	1.54E-09	7.78E-09	2.50E-10	8.03E-09	8.79E-10	2.70E-11	9.06E-10
2013	438564.23	3725929.67	7.33E-09	2.33E-10	7.57E-09	1.50E-09	5.35E-11	1.56E-09	7.85E-09	2.53E-10	8.10E-09	8.87E-10	2.73E-11	9.14E-10
2014	438557.31	3725944.94	7.39E-09	2.36E-10	7.63E-09	1.51E-09	5.41E-11	1.57E-09	7.91E-09	2.56E-10	8.17E-09	8.94E-10	2.76E-11	9.22E-10
2015	438550.39	3725960.21	7.45E-09	2.38E-10	7.69E-09	1.53E-09	5.46E-11	1.58E-09	7.97E-09	2.58E-10	8.23E-09	9.01E-10	2.79E-11	9.29E-10
2016	438728.5	3725562.55	5.70E-09	1.82E-10	5.88E-09	1.17E-09	4.19E-11	1.21E-09	6.10E-09	1.98E-10	6.30E-09	6.90E-10	2.14E-11	7.12E-10
2017	438498.32	3725487.89	9.37E-09	2.90E-10	9.66E-09	1.92E-09	6.57E-11	1.98E-09	1.00E-08	3.10E-10	1.03E-08	1.13E-09	3.33E-11	1.16E-09
2018	438502.28	3725464.48	9.31E-09	2.87E-10	9.59E-09	1.90E-09	6.50E-11	1.97E-09	9.95E-09	3.07E-10	1.03E-08	1.12E-09	3.30E-11	1.15E-09
2019	438537.73	3725494.71	8.51E-09	2.65E-10	8.78E-09	1.74E-09	6.02E-11	1.80E-09	9.10E-09	2.85E-10	9.39E-09	1.03E-09	3.06E-11	1.06E-09
2020	438535.26	3725508.31	8.55E-09	2.67E-10	8.82E-09	1.75E-09	6.06E-11	1.81E-09	9.15E-09	2.86E-10	9.43E-09	1.03E-09	3.08E-11	1.06E-09
2021	438540.36	3725479.43	8.46E-09	2.63E-10	8.73E-09	1.73E-09	5.98E-11	1.79E-09	9.05E-09	2.83E-10	9.34E-09	1.02E-09	3.04E-11	1.05E-09
2022	438658.78	3725498.86	6.57E-09	2.08E-10	6.77E-09	1.34E-09	4.76E-11	1.39E-09	7.03E-09	2.25E-10	7.25E-09	7.94E-10	2.42E-11	8.18E-10
2023	438661.56	3725481.91	6.53E-09	2.07E-10	6.74E-09	1.34E-09	4.73E-11	1.38E-09	6.99E-09	2.23E-10	7.21E-09	7.90E-10	2.41E-11	8.14E-10
2024	438695.37	3725521.97	6.11E-09	1.94E-10	6.30E-09	1.25E-09	4.46E-11	1.29E-09	6.53E-09	2.11E-10	6.74E-09	7.39E-10	2.27E-11	7.61E-10

2025	438692.41	3725538.29	6.13E-09	1.95E-10	6.32E-09	1.25E-09	4.47E-11	1.30E-09	6.56E-09	2.12E-10	6.77E-09	7.41E-10	2.28E-11	7.64E-10
2026	438698.25	3725505.33	6.08E-09	1.93E-10	6.28E-09	1.25E-09	4.44E-11	1.29E-09	6.51E-09	2.10E-10	6.72E-09	7.36E-10	2.26E-11	7.59E-10
2027	438701.03	3725488.39	6.06E-09	1.93E-10	6.26E-09	1.24E-09	4.42E-11	1.29E-09	6.49E-09	2.09E-10	6.70E-09	7.33E-10	2.25E-11	7.56E-10
2028	438735.09	3725527.08	5.67E-09	1.81E-10	5.85E-09	1.16E-09	4.16E-11	1.20E-09	6.06E-09	1.97E-10	6.26E-09	6.86E-10	2.12E-11	7.07E-10
2029	438732.62	3725540.68	5.68E-09	1.82E-10	5.86E-09	1.16E-09	4.17E-11	1.21E-09	6.08E-09	1.97E-10	6.28E-09	6.88E-10	2.13E-11	7.09E-10
2030	438737.72	3725511.81	5.65E-09	1.80E-10	5.83E-09	1.16E-09	4.15E-11	1.20E-09	6.04E-09	1.96E-10	6.24E-09	6.84E-10	2.11E-11	7.05E-10
2031	438740.5	3725494.86	5.63E-09	1.80E-10	5.81E-09	1.15E-09	4.13E-11	1.19E-09	6.02E-09	1.95E-10	6.22E-09	6.81E-10	2.10E-11	7.02E-10
2032	437801.05	3725247.31	3.61E-07	6.28E-09	3.68E-07	7.20E-08	9.43E-10	7.29E-08	3.85E-07	4.41E-09	3.89E-07	4.04E-08	3.78E-10	4.08E-08
2033	437796.7	3725239.12	3.54E-07	6.12E-09	3.60E-07	7.04E-08	9.16E-10	7.14E-08	3.76E-07	4.28E-09	3.81E-07	3.96E-08	3.66E-10	4.00E-08
2034	437815.01	3725258.24	3.26E-07	5.77E-09	3.32E-07	6.49E-08	8.86E-10	6.58E-08	3.47E-07	4.14E-09	3.51E-07	3.65E-08	3.61E-10	3.68E-08
2035	437809.88	3725242.62	3.09E-07	5.43E-09	3.14E-07	6.16E-08	8.30E-10	6.24E-08	3.29E-07	3.88E-09	3.33E-07	3.46E-08	3.37E-10	3.50E-08
2036	437805.54	3725234.44	3.02E-07	5.29E-09	3.08E-07	6.03E-08	8.05E-10	6.11E-08	3.22E-07	3.76E-09	3.26E-07	3.39E-08	3.26E-10	3.43E-08
2037	437824	3725255.04	2.83E-07	5.09E-09	2.89E-07	5.65E-08	7.92E-10	5.73E-08	3.02E-07	3.71E-09	3.05E-07	3.18E-08	3.27E-10	3.21E-08
2038	437823.06	3725246.12	2.70E-07	4.84E-09	2.75E-07	5.39E-08	7.54E-10	5.47E-08	2.88E-07	3.53E-09	2.91E-07	3.04E-08	3.11E-10	3.07E-08
2039	437818.71	3725237.94	2.68E-07	4.76E-09	2.72E-07	5.34E-08	7.39E-10	5.41E-08	2.85E-07	3.45E-09	2.88E-07	3.01E-08	3.03E-10	3.04E-08
2040	437814.37	3725229.75	2.63E-07	4.65E-09	2.67E-07	5.24E-08	7.18E-10	5.31E-08	2.80E-07	3.36E-09	2.83E-07	2.95E-08	2.94E-10	2.98E-08
2041	437810.02	3725221.56	2.55E-07	4.50E-09	2.60E-07	5.10E-08	6.94E-10	5.17E-08	2.72E-07	3.24E-09	2.75E-07	2.87E-08	2.84E-10	2.90E-08
2042	437832.81	3725250.1	2.48E-07	4.50E-09	2.52E-07	4.95E-08	7.12E-10	5.02E-08	2.64E-07	3.33E-09	2.67E-07	2.79E-08	2.96E-10	2.82E-08
2043	437827.55	3725233.25	2.35E-07	4.22E-09	2.39E-07	4.68E-08	6.64E-10	4.75E-08	2.50E-07	3.11E-09	2.53E-07	2.64E-08	2.76E-10	2.67E-08
2044	437823.2	3725225.06	2.30E-07	4.12E-09	2.34E-07	4.60E-08	6.46E-10	4.66E-08	2.45E-07	3.02E-09	2.48E-07	2.59E-08	2.68E-10	2.62E-08
2045	437818.86	3725216.87	2.24E-07	3.99E-09	2.28E-07	4.48E-08	6.25E-10	4.54E-08	2.39E-07	2.92E-09	2.42E-07	2.53E-08	2.58E-10	2.55E-08
2046	437836.38	3725228.56	2.08E-07	3.79E-09	2.12E-07	4.16E-08	6.05E-10	4.22E-08	2.22E-07	2.83E-09	2.25E-07	2.35E-08	2.54E-10	2.38E-08
2047	437832.04	3725220.37	2.04E-07	3.69E-09	2.08E-07	4.08E-08	5.87E-10	4.14E-08	2.17E-07	2.75E-09	2.20E-07	2.30E-08	2.46E-10	2.33E-08
2048	437827.69	3725212.19	1.99E-07	3.57E-09	2.02E-07	3.97E-08	5.67E-10	4.02E-08	2.11E-07	2.66E-09	2.14E-07	2.24E-08	2.37E-10	2.27E-08
2049	437823.35	3725204	1.92E-07	3.44E-09	1.95E-07	3.84E-08	5.46E-10	3.89E-08	2.05E-07	2.55E-09	2.07E-07	2.17E-08	2.28E-10	2.20E-08
2050	437845.21	3725223.87	1.87E-07	3.44E-09	1.90E-07	3.74E-08	5.56E-10	3.79E-08	1.99E-07	2.60E-09	2.02E-07	2.11E-08	2.35E-10	2.14E-08
2051	437840.87	3725215.69	1.83E-07	3.35E-09	1.87E-07	3.67E-08	5.40E-10	3.72E-08	1.95E-07	2.53E-09	1.98E-07	2.07E-08	2.28E-10	2.10E-08
2052	437836.52	3725207.5	1.78E-07	3.25E-09	1.82E-07	3.57E-08	5.21E-10	3.62E-08	1.90E-07	2.44E-09	1.92E-07	2.02E-08	2.20E-10	2.04E-08
2053	437832.18	3725199.31	1.72E-07	3.12E-09	1.75E-07	3.44E-08	5.01E-10	3.49E-08	1.83E-07	2.34E-09	1.86E-07	1.95E-08	2.11E-10	1.97E-08
2054	437854.05	3725219.19	1.69E-07	3.14E-09	1.72E-07	3.38E-08	5.13E-10	3.43E-08	1.80E-07	2.40E-09	1.82E-07	1.91E-08	2.19E-10	1.93E-08
2055	437849.7	3725211	1.66E-07	3.06E-09	1.69E-07	3.32E-08	4.99E-10	3.37E-08	1.77E-07	2.34E-09	1.79E-07	1.88E-08	2.12E-10	1.90E-08
2056	437845.36	3725202.81	1.62E-07	2.97E-09	1.65E-07	3.23E-08	4.83E-10	3.28E-08	1.72E-07	2.26E-09	1.74E-07	1.83E-08	2.05E-10	1.85E-08
2057	437841.01	3725194.62	1.57E-07	2.86E-09	1.59E-07	3.13E-08	4.65E-10	3.18E-08	1.67E-07	2.18E-09	1.69E-07	1.78E-08	1.98E-10	1.80E-08
2058	437933.69	3725155.93	7.47E-08	1.51E-09	7.63E-08	1.50E-08	2.70E-10	1.53E-08	7.97E-08	1.27E-09	8.10E-08	8.61E-09	1.22E-10	8.73E-09
2059	437929.34	3725147.75	7.34E-08	1.48E-09	7.49E-08	1.48E-08	2.64E-10	1.50E-08	7.83E-08	1.24E-09	7.96E-08	8.47E-09	1.19E-10	8.59E-09
2060	437951.36	3725146.56	6.52E-08	1.34E-09	6.65E-08	1.31E-08	2.43E-10	1.34E-08	6.95E-08	1.14E-09	7.07E-08	7.53E-09	1.11E-10	7.64E-09
2061	438061.56	3725119.56	3.59E-08	8.13E-10	3.67E-08	7.26E-09	1.58E-10	7.42E-09	3.83E-08	7.44E-10	3.91E-08	4.19E-09	7.47E-11	4.27E-09
2062	438048.52	3725094.99	3.47E-08	7.73E-10	3.54E-08	7.01E-09	1.50E-10	7.16E-09	3.70E-08	7.05E-10	3.77E-08	4.05E-09	7.06E-11	4.12E-09
2063	438088.06	3725105.49	3.09E-08	7.13E-10	3.16E-08	6.25E-09	1.40E-10	6.39E-09	3.30E-08	6.61E-10	3.37E-08	3.62E-09	6.68E-11	3.68E-09
2064	438083.71	3725097.31	3.06E-08	7.02E-10	3.13E-08	6.20E-09	1.38E-10	6.33E-09	3.27E-08	6.51E-10	3.33E-08	3.58E-09	6.57E-11	3.65E-09
2065	438079.37	3725089.12	3.03E-08	6.91E-10	3.09E-08	6.12E-09	1.36E-10	6.26E-09	3.23E-08	6.39E-10	3.29E-08	3.54E-09	6.45E-11	3.61E-09
2066	438075.02	3725080.93	2.99E-08	6.79E-10	3.05E-08	6.05E-09	1.33E-10	6.18E-09	3.19E-08	6.27E-10	3.25E-08	3.50E-09	6.32E-11	3.56E-09
2067	438070.68	3725072.74	2.94E-08	6.67E-10	3.01E-08	5.96E-09	1.31E-10	6.09E-09	3.15E-08	6.15E-10	3.21E-08	3.45E-09	6.20E-11	3.52E-09
2068	438122.19	3725163.88	3.13E-08	7.54E-10	3.21E-08	6.34E-09	1.51E-10	6.49E-09	3.35E-08	7.13E-10	3.42E-08	3.67E-09	7.26E-11	3.74E-09
2069	438123.15	3725172.93	3.18E-08	7.68E-10	3.26E-08	6.43E-09	1.54E-10	6.59E-09	3.39E-08	7.27E-10	3.47E-08	3.72E-09	7.41E-11	3.79E-09
2070	438114.56	3725091.43	2.69E-08	6.31E-10	2.75E-08	5.45E-09	1.26E-10	5.57E-09	2.87E-08	5.92E-10	2.93E-08	3.15E-09	6.01E-11	3.21E-09
2071	438110.21	3725083.24	2.66E-08	6.22E-10	2.73E-08	5.40E-09	1.24E-10	5.52E-09	2.85E-08	5.83E-10	2.90E-08	3.13E-09	5.92E-11	3.19E-09
2072	438105.87	3725075.06	2.63E-08	6.13E-10	2.70E-08	5.34E-09	1.22E-10	5.46E-09	2.81E-08	5.73E-10	2.87E-08	3.09E-09	5.82E-11	3.15E-09
2073	438101.52	3725066.87	2.60E-08	6.02E-10	2.66E-08	5.27E-09	1.19E-10	5.39E-09	2.78E-08	5.63E-10	2.83E-08	3.06E-09	5.71E-11	3.11E-09
2074	438097.18	3725058.68	2.56E-08	5.91E-10	2.62E-08	5.20E-09	1.17E-10	5.31E-09	2.74E-08	5.52E-10	2.79E-08	3.01E-09	5.59E-11	3.07E-09
2075	438147.83	3725141.62	2.68E-08	6.53E-10	2.75E-08	5.44E-09	1.32E-10	5.57E-09	2.87E-08	6.23E-10	2.93E-08	3.15E-09	6.38E-11	3.21E-09
2076	438148.8	3725150.8	2.72E-08	6.65E-10	2.79E-08	5.52E-09	1.35E-10	5.65E-09	2.91E-08	6.36E-10	2.97E-08	3.19E-09	6.51E-11	3.26E-09
2077	438149.76	3725159.97	2.77E-08	6.78E-10	2.83E-08	5.60E-09	1.38E-10	5.74E-09	2.95E-08	6.49E-10	3.02E-08	3.24E-09	6.64E-11	3.31E-09
2078	438150.73	3725169.15	2.80E-08	6.90E-10	2.87E-08	5.68E-09	1.40E-10	5.82E-09	2.99E-08	6.61E-10	3.06E-08	3.29E-09	6.78E-11	3.35E-09
2079	438176.13	3725144.64	2.43E-08	6.02E-10	2.49E-08	4.92E-09	1.23E-10	5.04E-09	2.59E-08	5.82E-10	2.65E-08	2.85E-09	5.98E-11	2.91E-09
2080	438177.08	3725153.67	2.46E-08	6.12E-10	2.52E-08	4.98E-09	1.26E-10	5.10E-09	2.62E-08	5.92E-10	2.68E-08	2.89E-09	6.09E-11	2.95E-09
2081	438178.03	3725162.71	2.48E-08	6.22E-10	2.55E-08	5.03E-09	1.28E-10	5.16E-09	2.65E-08	6.02E-10	2.71E-08	2.92E-09	6.20E-11	2.98E-09
2082	438178.99	3725171.75	2.51E-08	6.31E-10	2.57E-08	5.09E-09	1.30E-10	5.22E-09	2.68E-08	6.11E-10	2.74E-08	2.95E-09	6.30E-11	3.01E-09
2083	438183.75	3725216.93	2.60E-08	6.67E-10	2.67E-08	5.27E-09	1.38E-10	5.41E-09	2.78E-08	6.53E-10	2.84E-08	3.05E-09	6.75E-11	3.12E-09
2084	438184.7	3725225.97	2.61E-08	6.73E-10	2.68E-08	5.29E-09	1.40E-10	5.43E-09	2.79E-08	6.60E-10	2.85E-08	3.07E-09	6.83E-11	3.14E-09
2085	438221.51	3725044.2	1.69E-08	4.22E-10	1.74E-08	3.44E-09	8.73E-11	3.53E-09	1.81E-08	4.12E-10	1.85E-08	2.00E-09	4.25E-11	2.05E-09
2086	438220.55	3725035.18	1.66E-08	4.14E-10	1.70E-08	3.38E-09	8.56E-11	3.47E-09	1.78E-08	4.04E-10	1.82E-08	1.97E-09	4.17E-11	2.01E-09
2087	438216.21	3725026.99	1.65E-08	4.09E-10	1.69E-08	3.35E-09	8.45E-11	3.44E-09	1.76E-08	3.98E-10	1.80E-08	1.95E-09	4.11E-11	1.99E-09
2088	438211.86	3725018.8	1.63E-08	4.03E-10	1.67E-08	3.32E-09	8.32E-11	3.40E-09	1.75E-08	3.92E-10	1.78E-08	1.93E-09	4.05E-11	1.97E-09
2089	438207.52	3725010.62	1.61E-08	3.97E-10	1.65E-08	3.28E-09	8.19E-11	3.36E-09	1.72E-08	3.86E-10	1.76E-08	1.91E-09	3.98E-11	1.95E-09
2090	438203.17	3725002.43	1.59E-08	3.91E-10	1.63E-08	3.24E-09	8.05E-11	3.32E-09	1.70E-08	3.80E-10	1.74E-08	1.89E-09	3.92E-11	1.93E-09
2091	438250.9	3725057.59	1.60E-08	4.07E-10	1.64E-08	3.25E-09	8.49E-11	3.34E-09	1.71E-08	4.00E-10	1.75E-08	1.90E-09	4.15E-11	1.94E-09
2092	438251.86	3725066.71	1.63E-08	4.15E-10	1.67E-08	3.31E-09	8.67E-11	3.40E-09	1.74E-08	4.09E-10	1.78E-08	1.93E-09	4.24E-11	1.97E-09
2093	438252.82	3725075.83	1.66E-08	4.24E-10	1.70E-08	3.37E-09	8.85E-11	3.46E-09	1.77E-08	4.17E-10	1.81E-08	1.96E-09	4.33E-11	2.01E-09
2094	438266.28	3725203.49	1.86E-08	4.98E-10	1.91E-08	3.77E-09	1.06E-10	3.88E-09	1.98E-08	4.99E-10	2.03E-08	2.20E-09	5.22E-11	2.25E-09
2095	438267.24	3725212.61	1.86E-08	5.01E-10	1.91E-08	3.78E-09	1.07E-10	3.88E-09	1.99E-08	5.03E-10	2.04E-08	2.20E-09	5.26E-11	2.25E-09
2096	438273.01	3725267.33	1.88E-08	5.17E-10	1.93E-08	3.81E-09	1.11E-10	3.92E-09	2.00E-08	5.25E-10	2.06E-08	2.22E-09	5.51E-11	2.28E-09
2097	438273.97	3725276.44	1.88E-08	5.20E-10	1.93E-08	3.82E-09	1.12E-10	3.93E-09	2.01E-08	5.28E-10	2.06E-08	2.23E-09	5.55E-11	2.28E-09
2098	438275.49	3725025.47	1.38E-08	3.54E-10	1.42E-08	2.81E-09	7.43E-11	2.88E-09	1.48E-08	3.51E-10	1.51E-08	1.64E-09	3.65E-11	1.68E-09
2099	438276.47	3725034.67	1.41E-08	3.62E-10	1.45E-08	2.87E-09	7.61E-11	2.95E-09	1.51E-08	3.59E-10	1.54E-08	1.67E-09	3.73E-11	1.71E-09
2100	438277.44	3725043.88	1.44E-08	3.71E-10	1.48E-08	2.93E-09	7.78E-11	3.01E-09	1.54E-08	3.67E-10	1.58E-08	1.71E-09	3.82E-11	1.75E-09
2101	438278.41	3725053.09	1.47E-08	3.79E-10	1.51E-08	2.99E-09	7.96E-11	3.07E-09	1.57E-08	3.76E-10	1.61E-08	1.74E-09	3.91E-11	1.78E-09
2102	438297.82	3725237.23	1.67E-08	4.61E-10	1.72E-08	3.40E-09	9.93E-11	3.50E-09	1.79E-08	4.69E-10	1.83E-08	1.98E-09	4.93E-11	2.03E-09

2103	438298.79	3725246.43	1.67E-08	4.64E-10	1.72E-08	3.40E-09	1.00E-10	3.50E-09	1.79E-08	4.72E-10	1.84E-08	1.99E-09	4.97E-11	2.04E-09
2104	438299.76	3725255.64	1.68E-08	4.66E-10	1.72E-08	3.41E-09	1.01E-10	3.51E-09	1.79E-08	4.75E-10	1.84E-08	1.99E-09	5.01E-11	2.04E-09
2105	438300.73	3725264.85	1.68E-08	4.68E-10	1.72E-08	3.41E-09	1.01E-10	3.51E-09	1.79E-08	4.78E-10	1.84E-08	1.99E-09	5.04E-11	2.04E-09
2106	438301.7	3725274.06	1.68E-08	4.71E-10	1.73E-08	3.42E-09	1.02E-10	3.52E-09	1.80E-08	4.82E-10	1.85E-08	2.00E-09	5.08E-11	2.05E-09
2107	438301.97	3725011.19	1.24E-08	3.22E-10	1.27E-08	2.52E-09	6.79E-11	2.59E-09	1.32E-08	3.21E-10	1.36E-08	1.47E-09	3.34E-11	1.51E-09
2108	438302.93	3725020.28	1.27E-08	3.29E-10	1.30E-08	2.58E-09	6.96E-11	2.65E-09	1.35E-08	3.28E-10	1.39E-08	1.51E-09	3.42E-11	1.54E-09
2109	438303.89	3725029.38	1.29E-08	3.37E-10	1.33E-08	2.63E-09	7.12E-11	2.71E-09	1.38E-08	3.36E-10	1.42E-08	1.54E-09	3.50E-11	1.57E-09
2110	438304.85	3725038.48	1.32E-08	3.44E-10	1.35E-08	2.69E-09	7.28E-11	2.76E-09	1.41E-08	3.43E-10	1.45E-08	1.57E-09	3.58E-11	1.60E-09
2111	438310.6	3725093.07	1.44E-08	3.81E-10	1.48E-08	2.93E-09	8.08E-11	3.01E-09	1.54E-08	3.81E-10	1.58E-08	1.71E-09	3.99E-11	1.75E-09
2112	438311.56	3725102.17	1.45E-08	3.86E-10	1.49E-08	2.96E-09	8.19E-11	3.04E-09	1.55E-08	3.87E-10	1.59E-08	1.72E-09	4.04E-11	1.76E-09
2113	438312.52	3725111.27	1.47E-08	3.90E-10	1.51E-08	2.98E-09	8.29E-11	3.06E-09	1.57E-08	3.91E-10	1.61E-08	1.74E-09	4.09E-11	1.78E-09
2114	438313.48	3725120.36	1.48E-08	3.94E-10	1.52E-08	3.00E-09	8.39E-11	3.09E-09	1.58E-08	3.96E-10	1.62E-08	1.75E-09	4.14E-11	1.79E-09
2115	438314.44	3725129.46	1.49E-08	3.98E-10	1.53E-08	3.02E-09	8.48E-11	3.11E-09	1.59E-08	4.00E-10	1.63E-08	1.76E-09	4.19E-11	1.80E-09
2116	438315.4	3725138.56	1.49E-08	4.01E-10	1.53E-08	3.04E-09	8.56E-11	3.12E-09	1.60E-08	4.04E-10	1.64E-08	1.77E-09	4.23E-11	1.81E-09
2117	438326.91	3725247.74	1.51E-08	4.25E-10	1.55E-08	3.08E-09	9.22E-11	3.17E-09	1.62E-08	4.35E-10	1.66E-08	1.80E-09	4.59E-11	1.84E-09
2118	438347.92	3725093.12	1.29E-08	3.48E-10	1.33E-08	2.63E-09	7.45E-11	2.70E-09	1.38E-08	3.52E-10	1.42E-08	1.54E-09	3.69E-11	1.57E-09
2119	438348.88	3725102.27	1.30E-08	3.51E-10	1.34E-08	2.65E-09	7.53E-11	2.72E-09	1.39E-08	3.55E-10	1.43E-08	1.55E-09	3.73E-11	1.58E-09
2120	438349.85	3725111.41	1.31E-08	3.55E-10	1.34E-08	2.66E-09	7.61E-11	2.74E-09	1.40E-08	3.59E-10	1.44E-08	1.56E-09	3.77E-11	1.59E-09
2121	438350.81	3725120.56	1.32E-08	3.58E-10	1.35E-08	2.68E-09	7.69E-11	2.76E-09	1.41E-08	3.63E-10	1.44E-08	1.57E-09	3.81E-11	1.60E-09
2122	438351.78	3725129.7	1.32E-08	3.61E-10	1.36E-08	2.69E-09	7.76E-11	2.77E-09	1.41E-08	3.66E-10	1.45E-08	1.57E-09	3.85E-11	1.61E-09
2123	438352.74	3725138.85	1.33E-08	3.64E-10	1.37E-08	2.71E-09	7.83E-11	2.78E-09	1.42E-08	3.70E-10	1.46E-08	1.58E-09	3.89E-11	1.62E-09
2124	438371.06	3725312.6	1.34E-08	3.89E-10	1.38E-08	2.72E-09	8.59E-11	2.81E-09	1.43E-08	4.06E-10	1.47E-08	1.60E-09	4.31E-11	1.64E-09
2125	438372.02	3725321.74	1.34E-08	3.92E-10	1.38E-08	2.74E-09	8.65E-11	2.82E-09	1.44E-08	4.09E-10	1.48E-08	1.60E-09	4.34E-11	1.65E-09
2126	438372.99	3725330.89	1.35E-08	3.94E-10	1.39E-08	2.75E-09	8.72E-11	2.84E-09	1.44E-08	4.12E-10	1.48E-08	1.61E-09	4.37E-11	1.65E-09
2127	438373.95	3725340.03	1.35E-08	3.96E-10	1.39E-08	2.76E-09	8.77E-11	2.84E-09	1.45E-08	4.14E-10	1.49E-08	1.61E-09	4.40E-11	1.66E-09
2128	438375.88	3725358.32	1.36E-08	4.00E-10	1.40E-08	2.77E-09	8.86E-11	2.86E-09	1.45E-08	4.19E-10	1.49E-08	1.62E-09	4.45E-11	1.67E-09
2129	438383.31	3725074.91	1.14E-08	3.11E-10	1.17E-08	2.33E-09	6.71E-11	2.39E-09	1.22E-08	3.17E-10	1.25E-08	1.36E-09	3.33E-11	1.39E-09
2130	438384.28	3725084.1	1.15E-08	3.15E-10	1.18E-08	2.35E-09	6.79E-11	2.41E-09	1.23E-08	3.21E-10	1.26E-08	1.37E-09	3.37E-11	1.41E-09
2131	438385.25	3725093.28	1.16E-08	3.18E-10	1.19E-08	2.36E-09	6.87E-11	2.43E-09	1.24E-08	3.24E-10	1.27E-08	1.38E-09	3.41E-11	1.42E-09
2132	438386.21	3725102.47	1.17E-08	3.21E-10	1.20E-08	2.38E-09	6.94E-11	2.45E-09	1.25E-08	3.28E-10	1.28E-08	1.39E-09	3.45E-11	1.43E-09
2133	438387.18	3725111.66	1.18E-08	3.24E-10	1.21E-08	2.40E-09	7.01E-11	2.47E-09	1.26E-08	3.31E-10	1.29E-08	1.40E-09	3.49E-11	1.44E-09
2134	438388.15	3725120.84	1.18E-08	3.27E-10	1.22E-08	2.41E-09	7.08E-11	2.48E-09	1.27E-08	3.34E-10	1.30E-08	1.41E-09	3.52E-11	1.44E-09
2135	438389.12	3725130.03	1.19E-08	3.30E-10	1.22E-08	2.42E-09	7.14E-11	2.49E-09	1.27E-08	3.37E-10	1.31E-08	1.42E-09	3.56E-11	1.45E-09
2136	438394.93	3725185.15	1.20E-08	3.40E-10	1.24E-08	2.45E-09	7.42E-11	2.52E-09	1.28E-08	3.50E-10	1.32E-08	1.43E-09	3.70E-11	1.47E-09
2137	438395.9	3725194.34	1.20E-08	3.41E-10	1.24E-08	2.45E-09	7.45E-11	2.52E-09	1.28E-08	3.52E-10	1.32E-08	1.43E-09	3.72E-11	1.47E-09
2138	438396.87	3725203.52	1.20E-08	3.42E-10	1.23E-08	2.45E-09	7.48E-11	2.52E-09	1.28E-08	3.53E-10	1.32E-08	1.43E-09	3.74E-11	1.47E-09
2139	438397.84	3725212.71	1.20E-08	3.42E-10	1.23E-08	2.44E-09	7.49E-11	2.51E-09	1.28E-08	3.54E-10	1.32E-08	1.43E-09	3.75E-11	1.47E-09
2140	438409.46	3725322.95	1.20E-08	3.54E-10	1.24E-08	2.45E-09	7.87E-11	2.53E-09	1.28E-08	3.72E-10	1.32E-08	1.44E-09	3.96E-11	1.48E-09
2141	438410.43	3725332.13	1.20E-08	3.56E-10	1.24E-08	2.46E-09	7.91E-11	2.53E-09	1.29E-08	3.74E-10	1.32E-08	1.44E-09	3.98E-11	1.48E-09
2142	438415.27	3725378.06	1.20E-08	3.59E-10	1.24E-08	2.45E-09	8.00E-11	2.53E-09	1.28E-08	3.78E-10	1.32E-08	1.44E-09	4.03E-11	1.48E-09
2143	438416.24	3725387.25	1.20E-08	3.59E-10	1.23E-08	2.44E-09	8.01E-11	2.52E-09	1.28E-08	3.78E-10	1.32E-08	1.43E-09	4.04E-11	1.47E-09
2144	438417.21	3725396.44	1.19E-08	3.58E-10	1.23E-08	2.43E-09	8.00E-11	2.51E-09	1.27E-08	3.78E-10	1.31E-08	1.43E-09	4.03E-11	1.47E-09
2145	438418.18	3725405.62	1.19E-08	3.57E-10	1.22E-08	2.42E-09	7.99E-11	2.50E-09	1.27E-08	3.77E-10	1.31E-08	1.42E-09	4.03E-11	1.46E-09
2146	438420.39	3725072.75	1.04E-08	2.87E-10	1.06E-08	2.11E-09	6.22E-11	2.17E-09	1.11E-08	2.94E-10	1.14E-08	1.24E-09	3.10E-11	1.27E-09
2147	438421.35	3725081.82	1.04E-08	2.89E-10	1.07E-08	2.13E-09	6.28E-11	2.19E-09	1.12E-08	2.97E-10	1.15E-08	1.24E-09	3.13E-11	1.28E-09
2148	438422.3	3725090.88	1.05E-08	2.92E-10	1.08E-08	2.14E-09	6.35E-11	2.20E-09	1.12E-08	3.00E-10	1.15E-08	1.25E-09	3.16E-11	1.28E-09
2149	438423.26	3725099.95	1.06E-08	2.95E-10	1.09E-08	2.15E-09	6.41E-11	2.22E-09	1.13E-08	3.03E-10	1.16E-08	1.26E-09	3.20E-11	1.29E-09
2150	438424.21	3725109.02	1.06E-08	2.97E-10	1.09E-08	2.17E-09	6.47E-11	2.23E-09	1.14E-08	3.06E-10	1.17E-08	1.27E-09	3.23E-11	1.30E-09
2151	438425.17	3725118.09	1.07E-08	3.00E-10	1.10E-08	2.18E-09	6.53E-11	2.24E-09	1.14E-08	3.08E-10	1.17E-08	1.27E-09	3.26E-11	1.31E-09
2152	438429.95	3725163.42	1.08E-08	3.08E-10	1.11E-08	2.21E-09	6.75E-11	2.27E-09	1.16E-08	3.19E-10	1.19E-08	1.29E-09	3.37E-11	1.33E-09
2153	438430.91	3725172.49	1.08E-08	3.09E-10	1.12E-08	2.21E-09	6.79E-11	2.28E-09	1.16E-08	3.20E-10	1.19E-08	1.29E-09	3.40E-11	1.33E-09
2154	438431.86	3725181.56	1.08E-08	3.10E-10	1.12E-08	2.21E-09	6.82E-11	2.28E-09	1.16E-08	3.22E-10	1.19E-08	1.30E-09	3.41E-11	1.33E-09
2155	438432.82	3725190.62	1.08E-08	3.11E-10	1.12E-08	2.21E-09	6.84E-11	2.28E-09	1.16E-08	3.23E-10	1.19E-08	1.29E-09	3.43E-11	1.33E-09
2156	438433.77	3725199.69	1.08E-08	3.12E-10	1.11E-08	2.21E-09	6.86E-11	2.28E-09	1.16E-08	3.24E-10	1.19E-08	1.29E-09	3.44E-11	1.33E-09
2157	438434.73	3725208.76	1.08E-08	3.12E-10	1.11E-08	2.21E-09	6.89E-11	2.27E-09	1.16E-08	3.25E-10	1.19E-08	1.29E-09	3.45E-11	1.33E-09
2158	438435.69	3725217.83	1.08E-08	3.13E-10	1.11E-08	2.20E-09	6.90E-11	2.27E-09	1.15E-08	3.26E-10	1.19E-08	1.29E-09	3.46E-11	1.33E-09
2159	438436.64	3725226.89	1.08E-08	3.13E-10	1.11E-08	2.20E-09	6.92E-11	2.27E-09	1.15E-08	3.27E-10	1.19E-08	1.29E-09	3.47E-11	1.32E-09
2160	438453.85	3725390.11	1.07E-08	3.25E-10	1.11E-08	2.19E-09	7.28E-11	2.26E-09	1.15E-08	3.44E-10	1.18E-08	1.29E-09	3.68E-11	1.32E-09
2161	438454.81	3725399.17	1.07E-08	3.24E-10	1.10E-08	2.18E-09	7.27E-11	2.25E-09	1.14E-08	3.44E-10	1.18E-08	1.28E-09	3.67E-11	1.32E-09
2162	438455.76	3725408.24	1.06E-08	3.23E-10	1.10E-08	2.17E-09	7.26E-11	2.25E-09	1.14E-08	3.43E-10	1.17E-08	1.28E-09	3.67E-11	1.31E-09
2163	438456.72	3725417.31	1.06E-08	3.23E-10	1.09E-08	2.17E-09	7.25E-11	2.24E-09	1.13E-08	3.43E-10	1.17E-08	1.27E-09	3.67E-11	1.31E-09
2164	438457.67	3725426.38	1.06E-08	3.22E-10	1.09E-08	2.15E-09	7.23E-11	2.23E-09	1.13E-08	3.42E-10	1.16E-08	1.27E-09	3.66E-11	1.30E-09
2165	438458.63	3725435.44	1.05E-08	3.20E-10	1.08E-08	2.14E-09	7.21E-11	2.21E-09	1.12E-08	3.41E-10	1.16E-08	1.26E-09	3.65E-11	1.30E-09
2166	438455.79	3725054.61	9.30E-09	2.60E-10	9.56E-09	1.90E-09	5.67E-11	1.95E-09	9.95E-09	2.68E-10	1.02E-08	1.11E-09	2.83E-11	1.14E-09
2167	438456.75	3725063.71	9.37E-09	2.63E-10	9.63E-09	1.91E-09	5.73E-11	1.97E-09	1.00E-08	2.71E-10	1.03E-08	1.12E-09	2.86E-11	1.15E-09
2168	438457.71	3725072.82	9.43E-09	2.65E-10	9.70E-09	1.92E-09	5.79E-11	1.98E-09	1.01E-08	2.73E-10	1.04E-08	1.13E-09	2.89E-11	1.16E-09
2169	438458.67	3725081.93	9.49E-09	2.67E-10	9.76E-09	1.94E-09	5.84E-11	1.99E-09	1.01E-08	2.76E-10	1.04E-08	1.13E-09	2.92E-11	1.16E-09
2170	438459.63	3725091.04	9.54E-09	2.69E-10	9.81E-09	1.95E-09	5.89E-11	2.01E-09	1.02E-08	2.78E-10	1.05E-08	1.14E-09	2.95E-11	1.17E-09
2171	438460.59	3725100.15	9.59E-09	2.71E-10	9.87E-09	1.96E-09	5.94E-11	2.02E-09	1.03E-08	2.81E-10	1.05E-08	1.15E-09	2.97E-11	1.18E-09
2172	438461.55	3725109.25	9.64E-09	2.73E-10	9.91E-09	1.97E-09	5.99E-11	2.03E-09	1.03E-08	2.83E-10	1.06E-08	1.15E-09	3.00E-11	1.18E-09
2173	438467.31	3725163.9	9.83E-09	2.83E-10	1.01E-08	2.00E-09	6.24E-11	2.07E-09	1.05E-08	2.95E-10	1.08E-08	1.18E-09	3.13E-11	1.21E-09
2174	438468.27	3725173.01	9.84E-09	2.84E-10	1.01E-08	2.01E-09	6.28E-11	2.07E-09	1.05E-08	2.96E-10	1.08E-08	1.18E-09	3.15E-11	1.21E-09
2175	438469.23	3725182.12	9.84E-09	2.85E-10	1.01E-08	2.01E-09	6.30E-11	2.07E-09	1.05E-08	2.98E-10	1.08E-08	1.18E-09	3.16E-11	1.21E-09
2176	438470.19	3725191.23	9.85E-09	2.86E-10	1.01E-08	2.01E-09	6.33E-11	2.07E-09	1.05E-08	2.99E-10	1.08E-08	1.18E-09	3.18E-11	1.21E-09
2177	438471.15	3725200.33	9.85E-09	2.87E-10	1.01E-08	2.01E-09	6.36E-11	2.07E-09	1.05E-08	3.00E-10	1.08E-08	1.18E-09	3.19E-11	1.21E-09
2178	438472.11	3725209.44	9.84E-09	2.88E-10	1.01E-08	2.01E-09	6.37E-11	2.07E-09	1.05E-08	3.01E-10	1.08E-08	1.18E-09	3.20E-11	1.21E-09
2179	438476.91	3725254.98	9.60E-09	2.85E-10	9.89E-09	1.96E-09	6.35E-11	2.02E-09	1.03E-08	3.00E-10	1.06E-08	1.15E-09	3.20E-11	1.18E-09
2180	438477.87	3725264.09	9.55E-09	2.84E-10	9.83E-09	1.95E-09	6.33E-11	2.01E-09	1.02E-08	2.99E-10	1.05E-08	1.14E-09	3.19E-11	1.18E-09

2181	438478.83	3725273.2	9.54E-09	2.84E-10	9.82E-09	1.95E-09	6.35E-11	2.01E-09	1.02E-08	3.00E-10	1.05E-08	1.14E-09	3.20E-11	1.18E-09
2182	438479.79	3725282.31	9.53E-09	2.85E-10	9.82E-09	1.95E-09	6.36E-11	2.01E-09	1.02E-08	3.01E-10	1.05E-08	1.14E-09	3.21E-11	1.18E-09
2183	438480.75	3725291.41	9.53E-09	2.85E-10	9.81E-09	1.95E-09	6.38E-11	2.01E-09	1.02E-08	3.01E-10	1.05E-08	1.14E-09	3.22E-11	1.17E-09
2184	438493.24	3725409.82	9.60E-09	2.94E-10	9.90E-09	1.96E-09	6.63E-11	2.03E-09	1.03E-08	3.13E-10	1.06E-08	1.15E-09	3.35E-11	1.19E-09
2185	438494.2	3725418.93	9.56E-09	2.93E-10	9.85E-09	1.95E-09	6.61E-11	2.02E-09	1.02E-08	3.12E-10	1.05E-08	1.15E-09	3.35E-11	1.18E-09
2186	438495.16	3725428.03	9.53E-09	2.93E-10	9.82E-09	1.95E-09	6.60E-11	2.01E-09	1.02E-08	3.12E-10	1.05E-08	1.14E-09	3.34E-11	1.18E-09
2187	438492.14	3725045.55	8.40E-09	2.38E-10	8.64E-09	1.71E-09	5.21E-11	1.77E-09	8.99E-09	2.46E-10	9.23E-09	1.01E-09	2.61E-11	1.03E-09
2188	438493.11	3725054.7	8.46E-09	2.40E-10	8.70E-09	1.73E-09	5.26E-11	1.78E-09	9.04E-09	2.49E-10	9.29E-09	1.01E-09	2.63E-11	1.04E-09
2189	438494.07	3725063.84	8.51E-09	2.42E-10	8.76E-09	1.74E-09	5.31E-11	1.79E-09	9.10E-09	2.51E-10	9.36E-09	1.02E-09	2.66E-11	1.05E-09
2190	438495.04	3725072.99	8.57E-09	2.44E-10	8.81E-09	1.75E-09	5.37E-11	1.80E-09	9.16E-09	2.53E-10	9.42E-09	1.03E-09	2.69E-11	1.05E-09
2191	438496	3725082.13	8.62E-09	2.46E-10	8.87E-09	1.76E-09	5.41E-11	1.81E-09	9.22E-09	2.56E-10	9.47E-09	1.03E-09	2.71E-11	1.06E-09
2192	438496.96	3725091.28	8.67E-09	2.48E-10	8.91E-09	1.77E-09	5.46E-11	1.82E-09	9.27E-09	2.58E-10	9.53E-09	1.04E-09	2.74E-11	1.06E-09
2193	438497.93	3725100.42	8.71E-09	2.50E-10	8.96E-09	1.78E-09	5.51E-11	1.83E-09	9.31E-09	2.60E-10	9.57E-09	1.04E-09	2.76E-11	1.07E-09
2194	438502.75	3725146.15	8.93E-09	2.59E-10	9.19E-09	1.82E-09	5.73E-11	1.88E-09	9.55E-09	2.71E-10	9.82E-09	1.07E-09	2.88E-11	1.10E-09
2195	438503.71	3725155.29	8.95E-09	2.60E-10	9.21E-09	1.83E-09	5.76E-11	1.88E-09	9.56E-09	2.72E-10	9.84E-09	1.07E-09	2.90E-11	1.10E-09
2196	438504.68	3725164.44	8.96E-09	2.61E-10	9.22E-09	1.83E-09	5.79E-11	1.89E-09	9.58E-09	2.74E-10	9.85E-09	1.07E-09	2.91E-11	1.10E-09
2197	438505.64	3725173.58	8.97E-09	2.62E-10	9.23E-09	1.83E-09	5.82E-11	1.89E-09	9.59E-09	2.75E-10	9.87E-09	1.07E-09	2.93E-11	1.10E-09
2198	438506.61	3725182.73	8.99E-09	2.64E-10	9.26E-09	1.84E-09	5.86E-11	1.89E-09	9.62E-09	2.77E-10	9.89E-09	1.08E-09	2.94E-11	1.11E-09
2199	438507.57	3725191.87	9.02E-09	2.65E-10	9.28E-09	1.84E-09	5.89E-11	1.90E-09	9.64E-09	2.78E-10	9.92E-09	1.08E-09	2.96E-11	1.11E-09
2200	438508.53	3725201.02	9.04E-09	2.66E-10	9.31E-09	1.85E-09	5.92E-11	1.90E-09	9.67E-09	2.80E-10	9.95E-09	1.08E-09	2.98E-11	1.11E-09
2201	438514.32	3725255.89	8.79E-09	2.63E-10	9.05E-09	1.79E-09	5.89E-11	1.85E-09	9.40E-09	2.78E-10	9.68E-09	1.05E-09	2.97E-11	1.08E-09
2202	438515.28	3725265.03	8.75E-09	2.63E-10	9.01E-09	1.79E-09	5.88E-11	1.85E-09	9.36E-09	2.78E-10	9.63E-09	1.05E-09	2.97E-11	1.08E-09
2203	438516.25	3725274.18	8.73E-09	2.63E-10	8.99E-09	1.78E-09	5.89E-11	1.84E-09	9.33E-09	2.78E-10	9.61E-09	1.05E-09	2.97E-11	1.08E-09
2204	438517.21	3725283.32	8.70E-09	2.62E-10	8.96E-09	1.78E-09	5.89E-11	1.84E-09	9.31E-09	2.78E-10	9.58E-09	1.04E-09	2.97E-11	1.07E-09
2205	438518.17	3725292.47	8.68E-09	2.62E-10	8.94E-09	1.77E-09	5.89E-11	1.83E-09	9.28E-09	2.78E-10	9.56E-09	1.04E-09	2.97E-11	1.07E-09
2206	438519.14	3725301.61	8.67E-09	2.62E-10	8.93E-09	1.77E-09	5.90E-11	1.83E-09	9.27E-09	2.79E-10	9.55E-09	1.04E-09	2.98E-11	1.07E-09
2207	438527.53	3725027.34	7.60E-09	2.17E-10	7.82E-09	1.55E-09	4.78E-11	1.60E-09	8.13E-09	2.26E-10	8.36E-09	9.11E-10	2.40E-11	9.35E-10
2208	438528.5	3725036.52	7.65E-09	2.19E-10	7.87E-09	1.56E-09	4.82E-11	1.61E-09	8.18E-09	2.28E-10	8.41E-09	9.17E-10	2.42E-11	9.41E-10
2209	438529.47	3725045.7	7.70E-09	2.21E-10	7.92E-09	1.57E-09	4.87E-11	1.62E-09	8.23E-09	2.30E-10	8.46E-09	9.23E-10	2.44E-11	9.47E-10
2210	438530.44	3725054.88	7.74E-09	2.22E-10	7.96E-09	1.58E-09	4.91E-11	1.63E-09	8.28E-09	2.32E-10	8.51E-09	9.28E-10	2.46E-11	9.52E-10
2211	438531.4	3725064.06	7.78E-09	2.24E-10	8.01E-09	1.59E-09	4.95E-11	1.64E-09	8.32E-09	2.34E-10	8.56E-09	9.33E-10	2.49E-11	9.58E-10
2212	438532.37	3725073.23	7.82E-09	2.26E-10	8.05E-09	1.60E-09	4.99E-11	1.65E-09	8.37E-09	2.36E-10	8.60E-09	9.38E-10	2.51E-11	9.63E-10
2213	438533.34	3725082.41	7.86E-09	2.27E-10	8.09E-09	1.60E-09	5.03E-11	1.66E-09	8.41E-09	2.38E-10	8.65E-09	9.43E-10	2.53E-11	9.68E-10
2214	438534.31	3725091.59	7.91E-09	2.29E-10	8.14E-09	1.61E-09	5.08E-11	1.66E-09	8.46E-09	2.40E-10	8.70E-09	9.48E-10	2.55E-11	9.73E-10
2215	438539.15	3725137.48	8.13E-09	2.38E-10	8.37E-09	1.66E-09	5.30E-11	1.71E-09	8.70E-09	2.50E-10	8.95E-09	9.75E-10	2.66E-11	1.00E-09
2216	438540.11	3725146.66	8.17E-09	2.40E-10	8.41E-09	1.67E-09	5.34E-11	1.72E-09	8.74E-09	2.52E-10	8.99E-09	9.80E-10	2.69E-11	1.01E-09
2217	438541.08	3725155.84	8.20E-09	2.41E-10	8.44E-09	1.67E-09	5.37E-11	1.73E-09	8.77E-09	2.54E-10	9.03E-09	9.84E-10	2.71E-11	1.01E-09
2218	438542.05	3725165.02	8.23E-09	2.43E-10	8.47E-09	1.68E-09	5.41E-11	1.73E-09	8.80E-09	2.55E-10	9.06E-09	9.87E-10	2.72E-11	1.01E-09
2219	438543.02	3725174.2	8.26E-09	2.44E-10	8.50E-09	1.69E-09	5.44E-11	1.74E-09	8.83E-09	2.57E-10	9.09E-09	9.90E-10	2.74E-11	1.02E-09
2220	438543.98	3725183.38	8.27E-09	2.45E-10	8.51E-09	1.69E-09	5.47E-11	1.74E-09	8.84E-09	2.58E-10	9.10E-09	9.92E-10	2.75E-11	1.02E-09
2221	438544.95	3725192.55	8.27E-09	2.46E-10	8.52E-09	1.69E-09	5.48E-11	1.74E-09	8.85E-09	2.59E-10	9.10E-09	9.93E-10	2.77E-11	1.02E-09
2222	438549.79	3725238.45	8.20E-09	2.46E-10	8.45E-09	1.68E-09	5.53E-11	1.73E-09	8.77E-09	2.61E-10	9.03E-09	9.85E-10	2.79E-11	1.01E-09
2223	438550.76	3725247.63	8.16E-09	2.46E-10	8.40E-09	1.67E-09	5.52E-11	1.72E-09	8.72E-09	2.61E-10	8.98E-09	9.80E-10	2.79E-11	1.01E-09
2224	438551.72	3725256.8	8.11E-09	2.45E-10	8.36E-09	1.66E-09	5.50E-11	1.71E-09	8.68E-09	2.60E-10	8.94E-09	9.75E-10	2.78E-11	1.00E-09
2225	438552.69	3725265.98	8.07E-09	2.44E-10	8.31E-09	1.65E-09	5.49E-11	1.70E-09	8.63E-09	2.59E-10	8.89E-09	9.70E-10	2.78E-11	9.97E-10
2226	438553.66	3725275.16	8.01E-09	2.43E-10	8.25E-09	1.64E-09	5.47E-11	1.69E-09	8.57E-09	2.58E-10	8.82E-09	9.63E-10	2.77E-11	9.90E-10
2227	438554.63	3725284.34	7.95E-09	2.42E-10	8.19E-09	1.62E-09	5.45E-11	1.68E-09	8.50E-09	2.57E-10	8.76E-09	9.56E-10	2.76E-11	9.84E-10
2228	438555.6	3725293.52	7.89E-09	2.41E-10	8.13E-09	1.61E-09	5.43E-11	1.67E-09	8.44E-09	2.56E-10	8.70E-09	9.49E-10	2.75E-11	9.77E-10
2229	438561.4	3725348.59	7.91E-09	2.43E-10	8.15E-09	1.62E-09	5.50E-11	1.67E-09	8.46E-09	2.60E-10	8.72E-09	9.52E-10	2.79E-11	9.80E-10
2230	438564.86	3725027.5	6.98E-09	2.02E-10	7.18E-09	1.43E-09	4.47E-11	1.47E-09	7.46E-09	2.11E-10	7.68E-09	8.38E-10	2.25E-11	8.60E-10
2231	438565.83	3725036.71	7.02E-09	2.03E-10	7.22E-09	1.43E-09	4.51E-11	1.48E-09	7.51E-09	2.13E-10	7.72E-09	8.43E-10	2.26E-11	8.65E-10
2232	438566.8	3725045.92	7.05E-09	2.05E-10	7.26E-09	1.44E-09	4.54E-11	1.49E-09	7.54E-09	2.15E-10	7.76E-09	8.47E-10	2.28E-11	8.70E-10
2233	438567.77	3725055.13	7.09E-09	2.06E-10	7.29E-09	1.45E-09	4.58E-11	1.49E-09	7.58E-09	2.16E-10	7.80E-09	8.51E-10	2.30E-11	8.74E-10
2234	438568.74	3725064.34	7.13E-09	2.08E-10	7.34E-09	1.46E-09	4.62E-11	1.50E-09	7.63E-09	2.18E-10	7.85E-09	8.56E-10	2.32E-11	8.80E-10
2235	438569.71	3725073.55	7.18E-09	2.10E-10	7.38E-09	1.47E-09	4.66E-11	1.51E-09	7.67E-09	2.20E-10	7.89E-09	8.61E-10	2.34E-11	8.85E-10
2236	438575.54	3725128.8	7.43E-09	2.20E-10	7.65E-09	1.52E-09	4.90E-11	1.57E-09	7.95E-09	2.32E-10	8.18E-09	8.93E-10	2.47E-11	9.18E-10
2237	438576.51	3725138.01	7.48E-09	2.22E-10	7.70E-09	1.53E-09	4.95E-11	1.58E-09	8.00E-09	2.34E-10	8.24E-09	8.99E-10	2.49E-11	9.24E-10
2238	438577.48	3725147.22	7.53E-09	2.23E-10	7.75E-09	1.54E-09	4.99E-11	1.59E-09	8.05E-09	2.36E-10	8.29E-09	9.04E-10	2.52E-11	9.29E-10
2239	438578.45	3725156.43	7.56E-09	2.25E-10	7.79E-09	1.55E-09	5.03E-11	1.60E-09	8.09E-09	2.38E-10	8.33E-09	9.08E-10	2.54E-11	9.34E-10
2240	438579.42	3725165.64	7.60E-09	2.26E-10	7.82E-09	1.55E-09	5.06E-11	1.60E-09	8.12E-09	2.39E-10	8.36E-09	9.13E-10	2.55E-11	9.38E-10
2241	438580.39	3725174.85	7.63E-09	2.28E-10	7.86E-09	1.56E-09	5.10E-11	1.61E-09	8.16E-09	2.41E-10	8.40E-09	9.16E-10	2.57E-11	9.42E-10
2242	438581.37	3725184.06	7.63E-09	2.28E-10	7.86E-09	1.56E-09	5.11E-11	1.61E-09	8.16E-09	2.42E-10	8.40E-09	9.17E-10	2.58E-11	9.43E-10
2243	438586.22	3725230.11	7.57E-09	2.29E-10	7.80E-09	1.55E-09	5.15E-11	1.60E-09	8.10E-09	2.43E-10	8.34E-09	9.10E-10	2.60E-11	9.36E-10
2244	438587.19	3725239.32	7.54E-09	2.29E-10	7.77E-09	1.54E-09	5.15E-11	1.59E-09	8.06E-09	2.43E-10	8.31E-09	9.07E-10	2.60E-11	9.33E-10
2245	438588.16	3725248.52	7.50E-09	2.28E-10	7.73E-09	1.53E-09	5.14E-11	1.58E-09	8.02E-09	2.43E-10	8.27E-09	9.02E-10	2.60E-11	9.28E-10
2246	438589.13	3725257.73	7.46E-09	2.27E-10	7.69E-09	1.53E-09	5.12E-11	1.58E-09	7.98E-09	2.42E-10	8.22E-09	8.98E-10	2.59E-11	9.24E-10
2247	438590.1	3725266.94	7.42E-09	2.27E-10	7.65E-09	1.52E-09	5.11E-11	1.57E-09	7.94E-09	2.42E-10	8.18E-09	8.93E-10	2.59E-11	9.19E-10
2248	438591.07	3725276.15	7.37E-09	2.25E-10	7.60E-09	1.51E-09	5.09E-11	1.56E-09	7.88E-09	2.41E-10	8.13E-09	8.87E-10	2.58E-11	9.13E-10
2249	438592.05	3725285.36	7.32E-09	2.24E-10	7.55E-09	1.50E-09	5.07E-11	1.55E-09	7.83E-09	2.40E-10	8.07E-09	8.82E-10	2.57E-11	9.07E-10
2250	438596.9	3725331.41	7.19E-09	2.22E-10	7.41E-09	1.47E-09	5.04E-11	1.52E-09	7.69E-09	2.38E-10	7.93E-09	8.67E-10	2.56E-11	8.92E-10
2251	438597.87	3725340.62	7.19E-09	2.23E-10	7.42E-09	1.47E-09	5.05E-11	1.52E-09	7.69E-09	2.39E-10	7.93E-09	8.67E-10	2.56E-11	8.93E-10
2252	438598.84	3725349.83	7.19E-09	2.23E-10	7.42E-09	1.47E-09	5.06E-11	1.52E-09	7.69E-09	2.39E-10	7.93E-09	8.67E-10	2.57E-11	8.93E-10
2253	438599.81	3725359.04	7.20E-09	2.23E-10	7.42E-09	1.47E-09	5.07E-11	1.52E-09	7.70E-09	2.40E-10	7.94E-09	8.68E-10	2.58E-11	8.94E-10
2254	438604.67	3725405.08	7.29E-09	2.27E-10	7.52E-09	1.49E-09	5.17E-11	1.54E-09	7.80E-09	2.44E-10	8.04E-09	8.79E-10	2.63E-11	9.05E-10
2255	438605.64	3725414.29	7.31E-09	2.28E-10	7.53E-09	1.49E-09	5.19E-11	1.55E-09	7.81E-09	2.45E-10	8.06E-09	8.81E-10	2.64E-11	9.07E-10
2256	438606.61	3725423.5	7.30E-09	2.28E-10	7.52E-09	1.49E-09	5.19E-11	1.54E-09	7.80E-09	2.45E-10	8.05E-09	8.80E-10	2.64E-11	9.06E-10
2257	438607.58	3725432.71	7.28E-09	2.28E-10	7.51E-09	1.49E-09	5.19E-11	1.54E-09	7.79E-09	2.45E-10	8.03E-09	8.78E-10	2.64E-11	9.05E-10
2258	438608.55	3725441.92	7.26E-09	2.28E-10	7.49E-09	1.49E-09	5.18E-11	1.54E-09	7.77E-09	2.45E-10	8.02E-09	8.76E-10	2.63E-11	9.03E-10

2259	438604.82	3725052.62	6.49E-09	1.91E-10	6.68E-09	1.33E-09	4.26E-11	1.37E-09	6.94E-09	2.01E-10	7.14E-09	7.80E-10	2.15E-11	8.02E-10
2260	438605.78	3725061.73	6.53E-09	1.92E-10	6.72E-09	1.33E-09	4.29E-11	1.38E-09	6.98E-09	2.03E-10	7.18E-09	7.85E-10	2.16E-11	8.06E-10
2261	438606.74	3725070.84	6.58E-09	1.94E-10	6.77E-09	1.34E-09	4.34E-11	1.39E-09	7.04E-09	2.05E-10	7.24E-09	7.91E-10	2.19E-11	8.13E-10
2262	438611.54	3725116.42	6.80E-09	2.03E-10	7.00E-09	1.39E-09	4.54E-11	1.43E-09	7.27E-09	2.14E-10	7.49E-09	8.18E-10	2.29E-11	8.41E-10
2263	438612.5	3725125.53	6.84E-09	2.04E-10	7.04E-09	1.40E-09	4.57E-11	1.44E-09	7.31E-09	2.16E-10	7.53E-09	8.22E-10	2.31E-11	8.45E-10
2264	438613.47	3725134.64	6.87E-09	2.05E-10	7.08E-09	1.40E-09	4.61E-11	1.45E-09	7.35E-09	2.18E-10	7.57E-09	8.26E-10	2.33E-11	8.49E-10
2265	438614.43	3725143.76	6.90E-09	2.07E-10	7.11E-09	1.41E-09	4.64E-11	1.46E-09	7.38E-09	2.19E-10	7.60E-09	8.30E-10	2.34E-11	8.54E-10
2266	438615.39	3725152.87	6.94E-09	2.08E-10	7.15E-09	1.42E-09	4.67E-11	1.46E-09	7.42E-09	2.21E-10	7.64E-09	8.35E-10	2.36E-11	8.58E-10
2267	438616.35	3725161.99	6.97E-09	2.10E-10	7.18E-09	1.43E-09	4.71E-11	1.47E-09	7.46E-09	2.22E-10	7.68E-09	8.39E-10	2.38E-11	8.63E-10
2268	438623.07	3725225.79	7.02E-09	2.14E-10	7.23E-09	1.44E-09	4.82E-11	1.48E-09	7.51E-09	2.28E-10	7.74E-09	8.45E-10	2.44E-11	8.70E-10
2269	438624.04	3725234.9	7.00E-09	2.14E-10	7.21E-09	1.43E-09	4.82E-11	1.48E-09	7.49E-09	2.28E-10	7.71E-09	8.43E-10	2.44E-11	8.67E-10
2270	438625	3725244.02	6.97E-09	2.13E-10	7.18E-09	1.43E-09	4.82E-11	1.47E-09	7.46E-09	2.28E-10	7.68E-09	8.39E-10	2.44E-11	8.64E-10
2271	438625.96	3725253.13	6.94E-09	2.13E-10	7.15E-09	1.42E-09	4.81E-11	1.47E-09	7.42E-09	2.27E-10	7.65E-09	8.36E-10	2.44E-11	8.60E-10
2272	438626.92	3725262.25	6.91E-09	2.12E-10	7.12E-09	1.41E-09	4.80E-11	1.46E-09	7.39E-09	2.27E-10	7.61E-09	8.32E-10	2.43E-11	8.56E-10
2273	438627.88	3725271.36	6.87E-09	2.11E-10	7.08E-09	1.40E-09	4.78E-11	1.45E-09	7.34E-09	2.26E-10	7.57E-09	8.27E-10	2.43E-11	8.52E-10
2274	438633.64	3725326.05	6.62E-09	2.06E-10	6.82E-09	1.35E-09	4.68E-11	1.40E-09	7.08E-09	2.21E-10	7.30E-09	7.98E-10	2.38E-11	8.22E-10
2275	438634.61	3725335.16	6.61E-09	2.06E-10	6.81E-09	1.35E-09	4.68E-11	1.40E-09	7.07E-09	2.21E-10	7.29E-09	7.97E-10	2.38E-11	8.21E-10
2276	438635.57	3725344.28	6.60E-09	2.06E-10	6.81E-09	1.35E-09	4.68E-11	1.40E-09	7.06E-09	2.21E-10	7.28E-09	7.97E-10	2.38E-11	8.20E-10
2277	438636.53	3725353.39	6.59E-09	2.06E-10	6.80E-09	1.35E-09	4.68E-11	1.40E-09	7.05E-09	2.21E-10	7.27E-09	7.95E-10	2.38E-11	8.19E-10
2278	438641.33	3725398.96	6.66E-09	2.09E-10	6.87E-09	1.36E-09	4.76E-11	1.41E-09	7.12E-09	2.25E-10	7.35E-09	8.04E-10	2.42E-11	8.28E-10
2279	438642.29	3725408.08	6.69E-09	2.10E-10	6.90E-09	1.37E-09	4.79E-11	1.42E-09	7.15E-09	2.26E-10	7.38E-09	8.07E-10	2.43E-11	8.32E-10
2280	438643.25	3725417.19	6.71E-09	2.11E-10	6.92E-09	1.37E-09	4.81E-11	1.42E-09	7.18E-09	2.27E-10	7.41E-09	8.11E-10	2.45E-11	8.35E-10
2281	438644.21	3725426.31	6.72E-09	2.11E-10	6.93E-09	1.37E-09	4.82E-11	1.42E-09	7.19E-09	2.28E-10	7.42E-09	8.11E-10	2.45E-11	8.36E-10
2282	438645.18	3725435.42	6.73E-09	2.12E-10	6.94E-09	1.38E-09	4.83E-11	1.42E-09	7.19E-09	2.28E-10	7.42E-09	8.12E-10	2.46E-11	8.37E-10
2283	438646.14	3725444.53	6.73E-09	2.12E-10	6.94E-09	1.38E-09	4.84E-11	1.43E-09	7.20E-09	2.29E-10	7.43E-09	8.13E-10	2.46E-11	8.38E-10
2284	438646.01	3725089.43	6.19E-09	1.85E-10	6.38E-09	1.27E-09	4.16E-11	1.31E-09	6.62E-09	1.97E-10	6.82E-09	7.46E-10	2.10E-11	7.67E-10
2285	438646.97	3725098.58	6.23E-09	1.87E-10	6.42E-09	1.27E-09	4.19E-11	1.32E-09	6.66E-09	1.98E-10	6.86E-09	7.50E-10	2.12E-11	7.71E-10
2286	438647.94	3725107.72	6.26E-09	1.88E-10	6.45E-09	1.28E-09	4.23E-11	1.32E-09	6.70E-09	2.00E-10	6.90E-09	7.54E-10	2.14E-11	7.76E-10
2287	438648.9	3725116.87	6.30E-09	1.89E-10	6.49E-09	1.29E-09	4.26E-11	1.33E-09	6.74E-09	2.01E-10	6.94E-09	7.58E-10	2.15E-11	7.80E-10
2288	438649.87	3725126.01	6.32E-09	1.90E-10	6.51E-09	1.29E-09	4.28E-11	1.34E-09	6.76E-09	2.02E-10	6.96E-09	7.61E-10	2.17E-11	7.83E-10
2289	438650.83	3725135.16	6.34E-09	1.91E-10	6.53E-09	1.30E-09	4.31E-11	1.34E-09	6.78E-09	2.04E-10	6.99E-09	7.64E-10	2.18E-11	7.86E-10
2290	438651.79	3725144.3	6.36E-09	1.92E-10	6.56E-09	1.30E-09	4.33E-11	1.34E-09	6.81E-09	2.05E-10	7.01E-09	7.66E-10	2.19E-11	7.88E-10
2291	438652.76	3725153.45	6.39E-09	1.93E-10	6.58E-09	1.31E-09	4.36E-11	1.35E-09	6.83E-09	2.06E-10	7.04E-09	7.69E-10	2.21E-11	7.91E-10
2292	438653.72	3725162.59	6.41E-09	1.94E-10	6.60E-09	1.31E-09	4.38E-11	1.35E-09	6.85E-09	2.07E-10	7.06E-09	7.72E-10	2.22E-11	7.94E-10
2293	438658.54	3725208.32	6.54E-09	2.00E-10	6.74E-09	1.34E-09	4.52E-11	1.38E-09	6.99E-09	2.14E-10	7.21E-09	7.88E-10	2.29E-11	8.11E-10
2294	438659.51	3725217.46	6.53E-09	2.00E-10	6.73E-09	1.33E-09	4.52E-11	1.38E-09	6.98E-09	2.14E-10	7.20E-09	7.87E-10	2.29E-11	8.09E-10
2295	438660.47	3725226.61	6.52E-09	2.00E-10	6.72E-09	1.33E-09	4.53E-11	1.38E-09	6.97E-09	2.14E-10	7.18E-09	7.85E-10	2.29E-11	8.08E-10
2296	438661.43	3725235.75	6.50E-09	2.00E-10	6.70E-09	1.33E-09	4.53E-11	1.38E-09	6.96E-09	2.14E-10	7.17E-09	7.84E-10	2.30E-11	8.07E-10
2297	438662.4	3725244.9	6.48E-09	2.00E-10	6.68E-09	1.33E-09	4.52E-11	1.37E-09	6.93E-09	2.14E-10	7.14E-09	7.81E-10	2.29E-11	8.04E-10
2298	438663.36	3725254.04	6.45E-09	1.99E-10	6.65E-09	1.32E-09	4.52E-11	1.37E-09	6.90E-09	2.13E-10	7.12E-09	7.78E-10	2.29E-11	8.01E-10
2299	438664.33	3725263.19	6.43E-09	1.99E-10	6.62E-09	1.31E-09	4.51E-11	1.36E-09	6.87E-09	2.13E-10	7.09E-09	7.75E-10	2.29E-11	7.98E-10
2300	438670.11	3725318.06	6.20E-09	1.94E-10	6.39E-09	1.27E-09	4.41E-11	1.31E-09	6.63E-09	2.09E-10	6.84E-09	7.49E-10	2.24E-11	7.71E-10
2301	438671.08	3725327.2	6.17E-09	1.93E-10	6.36E-09	1.26E-09	4.40E-11	1.31E-09	6.60E-09	2.08E-10	6.81E-09	7.45E-10	2.24E-11	7.67E-10
2302	438672.04	3725336.35	6.15E-09	1.93E-10	6.35E-09	1.26E-09	4.39E-11	1.30E-09	6.58E-09	2.08E-10	6.79E-09	7.43E-10	2.23E-11	7.66E-10
2303	438673	3725345.49	6.14E-09	1.92E-10	6.33E-09	1.26E-09	4.39E-11	1.30E-09	6.57E-09	2.08E-10	6.77E-09	7.42E-10	2.23E-11	7.64E-10
2304	438673.97	3725354.64	6.12E-09	1.92E-10	6.31E-09	1.25E-09	4.39E-11	1.30E-09	6.55E-09	2.07E-10	6.76E-09	7.40E-10	2.23E-11	7.62E-10
2305	438674.93	3725363.78	6.13E-09	1.93E-10	6.32E-09	1.25E-09	4.40E-11	1.30E-09	6.56E-09	2.08E-10	6.76E-09	7.40E-10	2.24E-11	7.63E-10
2306	438679.75	3725409.51	6.19E-09	1.95E-10	6.39E-09	1.27E-09	4.47E-11	1.31E-09	6.62E-09	2.11E-10	6.84E-09	7.48E-10	2.27E-11	7.71E-10
2307	438680.72	3725418.65	6.21E-09	1.96E-10	6.40E-09	1.27E-09	4.48E-11	1.32E-09	6.64E-09	2.12E-10	6.85E-09	7.50E-10	2.28E-11	7.73E-10
2308	438681.68	3725427.8	6.22E-09	1.97E-10	6.42E-09	1.27E-09	4.50E-11	1.32E-09	6.66E-09	2.13E-10	6.87E-09	7.52E-10	2.29E-11	7.75E-10
2309	438682.65	3725436.94	6.24E-09	1.97E-10	6.44E-09	1.28E-09	4.51E-11	1.32E-09	6.67E-09	2.13E-10	6.89E-09	7.54E-10	2.30E-11	7.77E-10
2310	438683.61	3725446.08	6.25E-09	1.98E-10	6.45E-09	1.28E-09	4.53E-11	1.33E-09	6.69E-09	2.14E-10	6.91E-09	7.56E-10	2.31E-11	7.79E-10
2311	438684.57	3725455.23	6.25E-09	1.98E-10	6.45E-09	1.28E-09	4.53E-11	1.32E-09	6.68E-09	2.14E-10	6.90E-09	7.55E-10	2.30E-11	7.78E-10
2312	438688.43	3725491.81	6.21E-09	1.97E-10	6.40E-09	1.27E-09	4.51E-11	1.32E-09	6.64E-09	2.13E-10	6.85E-09	7.50E-10	2.30E-11	7.73E-10
2313	438689.39	3725500.95	6.19E-09	1.97E-10	6.39E-09	1.27E-09	4.51E-11	1.31E-09	6.62E-09	2.13E-10	6.84E-09	7.49E-10	2.30E-11	7.72E-10
2314	438690.36	3725510.1	6.17E-09	1.96E-10	6.37E-09	1.26E-09	4.50E-11	1.31E-09	6.60E-09	2.13E-10	6.82E-09	7.47E-10	2.29E-11	7.70E-10
2315	438687.23	3725126.54	5.84E-09	1.78E-10	6.02E-09	1.19E-09	4.01E-11	1.24E-09	6.25E-09	1.90E-10	6.44E-09	7.04E-10	2.03E-11	7.25E-10
2316	438688.2	3725135.71	5.86E-09	1.79E-10	6.04E-09	1.20E-09	4.03E-11	1.24E-09	6.27E-09	1.91E-10	6.46E-09	7.07E-10	2.04E-11	7.27E-10
2317	438689.16	3725144.89	5.88E-09	1.79E-10	6.06E-09	1.20E-09	4.05E-11	1.24E-09	6.29E-09	1.92E-10	6.48E-09	7.09E-10	2.05E-11	7.29E-10
2318	438690.13	3725154.06	5.90E-09	1.80E-10	6.08E-09	1.21E-09	4.08E-11	1.25E-09	6.31E-09	1.93E-10	6.50E-09	7.11E-10	2.07E-11	7.32E-10
2319	438691.1	3725163.23	5.92E-09	1.81E-10	6.10E-09	1.21E-09	4.10E-11	1.25E-09	6.33E-09	1.94E-10	6.52E-09	7.14E-10	2.08E-11	7.34E-10
2320	438692.07	3725172.41	5.93E-09	1.82E-10	6.12E-09	1.21E-09	4.12E-11	1.26E-09	6.35E-09	1.95E-10	6.54E-09	7.16E-10	2.09E-11	7.37E-10
2321	438693.03	3725181.58	5.96E-09	1.83E-10	6.14E-09	1.22E-09	4.14E-11	1.26E-09	6.37E-09	1.96E-10	6.57E-09	7.19E-10	2.10E-11	7.40E-10
2322	438694	3725190.75	5.99E-09	1.84E-10	6.17E-09	1.22E-09	4.17E-11	1.27E-09	6.40E-09	1.97E-10	6.60E-09	7.22E-10	2.12E-11	7.43E-10
2323	438694.97	3725199.93	6.01E-09	1.85E-10	6.20E-09	1.23E-09	4.20E-11	1.27E-09	6.43E-09	1.98E-10	6.63E-09	7.25E-10	2.13E-11	7.47E-10
2324	438695.93	3725209.1	6.03E-09	1.86E-10	6.22E-09	1.23E-09	4.22E-11	1.28E-09	6.45E-09	1.99E-10	6.65E-09	7.28E-10	2.14E-11	7.49E-10
2325	438696.9	3725218.27	6.03E-09	1.86E-10	6.21E-09	1.23E-09	4.22E-11	1.28E-09	6.45E-09	2.00E-10	6.65E-09	7.27E-10	2.14E-11	7.49E-10
2326	438697.87	3725227.45	6.02E-09	1.86E-10	6.21E-09	1.23E-09	4.23E-11	1.27E-09	6.44E-09	2.00E-10	6.64E-09	7.27E-10	2.15E-11	7.48E-10
2327	438698.84	3725236.62	6.02E-09	1.86E-10	6.20E-09	1.23E-09	4.23E-11	1.27E-09	6.44E-09	2.00E-10	6.64E-09	7.26E-10	2.15E-11	7.48E-10
2328	438699.8	3725245.79	6.01E-09	1.86E-10	6.19E-09	1.23E-09	4.24E-11	1.27E-09	6.43E-09	2.00E-10	6.63E-09	7.25E-10	2.15E-11	7.47E-10
2329	438700.77	3725254.96	6.00E-09	1.86E-10	6.18E-09	1.23E-09	4.24E-11	1.27E-09	6.42E-09	2.00E-10	6.62E-09	7.24E-10	2.15E-11	7.46E-10
2330	438705.61	3725300.83	5.88E-09	1.84E-10	6.06E-09	1.20E-09	4.19E-11	1.24E-09	6.29E-09	1.98E-10	6.48E-09	7.10E-10	2.13E-11	7.31E-10
2331	438706.57	3725310	5.84E-09	1.83E-10	6.03E-09	1.20E-09	4.18E-11	1.24E-09	6.25E-09	1.98E-10	6.45E-09	7.06E-10	2.13E-11	7.27E-10
2332	438707.54	3725319.18	5.81E-09	1.82E-10	6.00E-09	1.19E-09	4.17E-11	1.23E-09	6.22E-09	1.97E-10	6.42E-09	7.03E-10	2.12E-11	7.24E-10
2333	438708.51	3725328.35	5.79E-09	1.82E-10	5.97E-09	1.18E-09	4.16E-11	1.23E-09	6.19E-09	1.96E-10	6.39E-09	6.99E-10	2.11E-11	7.21E-10
2334	438709.47	3725337.52	5.77E-09	1.82E-10	5.95E-09	1.18E-09	4.15E-11	1.22E-09	6.17E-09	1.96E-10	6.37E-09	6.97E-10	2.11E-11	7.19E-10
2335	438710.44	3725346.7	5.75E-09	1.81E-10	5.93E-09	1.18E-09	4.14E-11	1.22E-09	6.15E-09	1.96E-10	6.35E-09	6.95E-10	2.11E-11	7.16E-10
2336	438711.41	3725355.87	5.73E-09	1.81E-10	5.91E-09	1.17E-09	4.14E-11	1.22E-09	6.13E-09	1.96E-10	6.33E-09	6.93E-10	2.11E-11	7.14E-10

2337	438712.38	3725365.04	5.74E-09	1.81E-10	5.92E-09	1.18E-09	4.15E-11	1.22E-09	6.14E-09	1.96E-10	6.34E-09	6.94E-10	2.11E-11	7.15E-10
2338	438717.21	3725410.91	5.78E-09	1.83E-10	5.97E-09	1.18E-09	4.20E-11	1.23E-09	6.19E-09	1.98E-10	6.39E-09	6.99E-10	2.14E-11	7.21E-10
2339	438718.18	3725420.08	5.79E-09	1.84E-10	5.98E-09	1.19E-09	4.21E-11	1.23E-09	6.20E-09	1.99E-10	6.40E-09	7.01E-10	2.14E-11	7.22E-10
2340	438719.14	3725429.25	5.80E-09	1.84E-10	5.98E-09	1.19E-09	4.22E-11	1.23E-09	6.21E-09	1.99E-10	6.41E-09	7.02E-10	2.15E-11	7.23E-10
2341	438720.11	3725438.43	5.81E-09	1.84E-10	5.99E-09	1.19E-09	4.23E-11	1.23E-09	6.22E-09	2.00E-10	6.42E-09	7.03E-10	2.15E-11	7.24E-10
2342	438721.08	3725447.6	5.82E-09	1.85E-10	6.00E-09	1.19E-09	4.24E-11	1.23E-09	6.22E-09	2.00E-10	6.42E-09	7.04E-10	2.16E-11	7.25E-10
2343	438722.05	3725456.77	5.81E-09	1.85E-10	6.00E-09	1.19E-09	4.24E-11	1.23E-09	6.22E-09	2.00E-10	6.42E-09	7.04E-10	2.16E-11	7.25E-10
2344	438723.01	3725465.95	5.81E-09	1.85E-10	6.00E-09	1.19E-09	4.24E-11	1.23E-09	6.22E-09	2.01E-10	6.42E-09	7.03E-10	2.16E-11	7.25E-10
2345	438723.98	3725475.12	5.81E-09	1.85E-10	6.00E-09	1.19E-09	4.24E-11	1.23E-09	6.22E-09	2.01E-10	6.42E-09	7.03E-10	2.16E-11	7.25E-10
2346	438724.95	3725484.29	5.80E-09	1.85E-10	5.98E-09	1.19E-09	4.24E-11	1.23E-09	6.20E-09	2.00E-10	6.40E-09	7.02E-10	2.16E-11	7.23E-10
2347	438725.91	3725493.47	5.78E-09	1.84E-10	5.97E-09	1.18E-09	4.23E-11	1.23E-09	6.19E-09	2.00E-10	6.39E-09	7.00E-10	2.16E-11	7.21E-10
2348	438726.88	3725502.64	5.77E-09	1.84E-10	5.95E-09	1.18E-09	4.22E-11	1.22E-09	6.17E-09	2.00E-10	6.37E-09	6.98E-10	2.15E-11	7.20E-10
2349	438727.85	3725511.81	5.75E-09	1.84E-10	5.93E-09	1.18E-09	4.21E-11	1.22E-09	6.15E-09	1.99E-10	6.35E-09	6.96E-10	2.15E-11	7.18E-10
2350	437709.73	3725187.7	3.99E-07	6.33E-09	4.06E-07	8.00E-08	9.06E-10	8.09E-08	4.25E-07	4.23E-09	4.30E-07	4.54E-08	3.49E-10	4.57E-08
2351	437701.97	3725182.37	3.72E-07	5.83E-09	3.78E-07	7.47E-08	8.38E-10	7.55E-08	3.97E-07	3.91E-09	4.01E-07	4.25E-08	3.24E-10	4.28E-08
2352	437715.39	3725179.46	3.16E-07	5.02E-09	3.21E-07	6.34E-08	7.35E-10	6.41E-08	3.37E-07	3.43E-09	3.40E-07	3.61E-08	2.88E-10	3.64E-08
2353	437707.64	3725174.13	2.95E-07	4.64E-09	3.00E-07	5.94E-08	6.81E-10	6.01E-08	3.15E-07	3.18E-09	3.18E-07	3.40E-08	2.68E-10	3.43E-08
2354	437721.06	3725171.22	2.58E-07	4.13E-09	2.62E-07	5.20E-08	6.16E-10	5.26E-08	2.76E-07	2.88E-09	2.78E-07	2.97E-08	2.46E-10	3.00E-08
2355	437713.3	3725165.89	2.42E-07	3.82E-09	2.46E-07	4.89E-08	5.72E-10	4.94E-08	2.59E-07	2.67E-09	2.61E-07	2.81E-08	2.29E-10	2.83E-08
2356	437726.72	3725162.98	2.17E-07	3.49E-09	2.21E-07	4.39E-08	5.31E-10	4.44E-08	2.32E-07	2.48E-09	2.35E-07	2.52E-08	2.15E-10	2.54E-08
2357	437718.97	3725157.65	2.04E-07	3.22E-09	2.07E-07	4.12E-08	4.92E-10	4.17E-08	2.18E-07	2.30E-09	2.20E-07	2.37E-08	2.00E-10	2.39E-08
2358	437732.39	3725154.74	1.87E-07	3.01E-09	1.90E-07	3.77E-08	4.65E-10	3.82E-08	1.99E-07	2.18E-09	2.02E-07	2.17E-08	1.91E-10	2.19E-08
2359	437724.63	3725149.41	1.75E-07	2.77E-09	1.77E-07	3.54E-08	4.32E-10	3.58E-08	1.87E-07	2.02E-09	1.89E-07	2.05E-08	1.78E-10	2.07E-08
2360	437797.88	3725190.03	2.04E-07	3.56E-09	2.07E-07	4.08E-08	5.54E-10	4.13E-08	2.17E-07	2.59E-09	2.20E-07	2.31E-08	2.28E-10	2.33E-08
2361	437738.05	3725146.5	1.63E-07	2.64E-09	1.66E-07	3.30E-08	4.15E-10	3.34E-08	1.74E-07	1.94E-09	1.76E-07	1.90E-08	1.72E-10	1.92E-08
2362	437730.3	3725141.17	1.52E-07	2.43E-09	1.54E-07	3.09E-08	3.84E-10	3.12E-08	1.63E-07	1.80E-09	1.64E-07	1.79E-08	1.60E-10	1.81E-08
2363	437803.07	3725181.26	1.78E-07	3.13E-09	1.81E-07	3.56E-08	4.93E-10	3.61E-08	1.90E-07	2.31E-09	1.92E-07	2.02E-08	2.05E-10	2.04E-08
2364	437813.21	3725192.63	1.87E-07	3.32E-09	1.90E-07	3.74E-08	5.24E-10	3.79E-08	1.99E-07	2.45E-09	2.02E-07	2.12E-08	2.18E-10	2.14E-08
2365	437790.25	3725170.24	1.71E-07	2.96E-09	1.74E-07	3.43E-08	4.67E-10	3.47E-08	1.82E-07	2.19E-09	1.84E-07	1.95E-08	1.94E-10	1.97E-08
2366	437782.49	3725164.91	1.68E-07	2.89E-09	1.70E-07	3.37E-08	4.55E-10	3.41E-08	1.79E-07	2.13E-09	1.81E-07	1.92E-08	1.89E-10	1.94E-08
2367	437774.74	3725159.58	1.63E-07	2.79E-09	1.66E-07	3.28E-08	4.39E-10	3.32E-08	1.74E-07	2.05E-09	1.76E-07	1.87E-08	1.83E-10	1.89E-08
2368	437766.98	3725154.25	1.58E-07	2.67E-09	1.60E-07	3.18E-08	4.22E-10	3.22E-08	1.68E-07	1.97E-09	1.70E-07	1.82E-08	1.76E-10	1.84E-08
2369	437759.23	3725148.92	1.53E-07	2.56E-09	1.55E-07	3.08E-08	4.05E-10	3.12E-08	1.63E-07	1.89E-09	1.65E-07	1.77E-08	1.69E-10	1.79E-08
2370	437751.47	3725143.59	1.47E-07	2.44E-09	1.50E-07	2.98E-08	3.87E-10	3.01E-08	1.57E-07	1.81E-09	1.59E-07	1.72E-08	1.62E-10	1.73E-08
2371	437743.72	3725138.26	1.41E-07	2.30E-09	1.43E-07	2.85E-08	3.67E-10	2.89E-08	1.50E-07	1.72E-09	1.52E-07	1.65E-08	1.54E-10	1.67E-08
2372	437735.96	3725132.93	1.33E-07	2.13E-09	1.35E-07	2.70E-08	3.43E-10	2.73E-08	1.42E-07	1.61E-09	1.44E-07	1.57E-08	1.45E-10	1.59E-08
2373	437809.37	3725173.73	1.58E-07	2.80E-09	1.61E-07	3.17E-08	4.47E-10	3.21E-08	1.68E-07	2.09E-09	1.70E-07	1.80E-08	1.88E-10	1.82E-08
2374	437820.77	3725186.52	1.66E-07	2.98E-09	1.69E-07	3.33E-08	4.77E-10	3.38E-08	1.77E-07	2.23E-09	1.80E-07	1.89E-08	2.00E-10	1.91E-08
2375	437795.91	3725162	1.50E-07	2.62E-09	1.53E-07	3.01E-08	4.19E-10	3.06E-08	1.60E-07	1.96E-09	1.62E-07	1.72E-08	1.76E-10	1.74E-08
2376	437788.16	3725156.67	1.47E-07	2.55E-09	1.50E-07	2.96E-08	4.07E-10	3.00E-08	1.57E-07	1.91E-09	1.59E-07	1.69E-08	1.71E-10	1.71E-08
2377	437780.4	3725151.34	1.43E-07	2.46E-09	1.45E-07	2.88E-08	3.93E-10	2.92E-08	1.52E-07	1.84E-09	1.54E-07	1.65E-08	1.65E-10	1.66E-08
2378	437772.65	3725146.01	1.38E-07	2.35E-09	1.40E-07	2.78E-08	3.76E-10	2.81E-08	1.47E-07	1.76E-09	1.49E-07	1.59E-08	1.58E-10	1.61E-08
2379	437764.89	3725140.68	1.33E-07	2.25E-09	1.36E-07	2.70E-08	3.62E-10	2.73E-08	1.43E-07	1.69E-09	1.44E-07	1.55E-08	1.52E-10	1.57E-08
2380	437757.14	3725135.35	1.29E-07	2.14E-09	1.31E-07	2.60E-08	3.46E-10	2.64E-08	1.37E-07	1.62E-09	1.39E-07	1.51E-08	1.46E-10	1.52E-08
2381	437749.38	3725130.02	1.23E-07	2.02E-09	1.25E-07	2.49E-08	3.27E-10	2.53E-08	1.31E-07	1.53E-09	1.33E-07	1.45E-08	1.39E-10	1.46E-08
2382	437741.63	3725124.68	1.16E-07	1.88E-09	1.18E-07	2.37E-08	3.07E-10	2.40E-08	1.24E-07	1.44E-09	1.26E-07	1.38E-08	1.31E-10	1.39E-08
2383	437814.61	3725165.02	1.41E-07	2.51E-09	1.44E-07	2.83E-08	4.06E-10	2.87E-08	1.50E-07	1.90E-09	1.52E-07	1.61E-08	1.72E-10	1.63E-08
2384	437825.17	3725176.86	1.47E-07	2.66E-09	1.50E-07	2.95E-08	4.29E-10	3.00E-08	1.57E-07	2.01E-09	1.59E-07	1.68E-08	1.82E-10	1.70E-08
2385	437801.58	3725153.76	1.33E-07	2.35E-09	1.36E-07	2.68E-08	3.80E-10	2.72E-08	1.42E-07	1.78E-09	1.44E-07	1.53E-08	1.61E-10	1.55E-08
2386	437793.82	3725148.43	1.30E-07	2.27E-09	1.32E-07	2.62E-08	3.68E-10	2.65E-08	1.39E-07	1.72E-09	1.40E-07	1.50E-08	1.56E-10	1.51E-08
2387	437786.07	3725143.1	1.27E-07	2.19E-09	1.29E-07	2.55E-08	3.55E-10	2.59E-08	1.35E-07	1.66E-09	1.37E-07	1.47E-08	1.51E-10	1.48E-08
2388	437778.31	3725137.77	1.23E-07	2.11E-09	1.25E-07	2.48E-08	3.42E-10	2.51E-08	1.31E-07	1.60E-09	1.33E-07	1.43E-08	1.45E-10	1.44E-08
2389	437770.56	3725132.44	1.18E-07	2.01E-09	1.20E-07	2.39E-08	3.27E-10	2.43E-08	1.26E-07	1.53E-09	1.28E-07	1.38E-08	1.39E-10	1.40E-08
2390	437762.8	3725127.11	1.14E-07	1.91E-09	1.16E-07	2.31E-08	3.12E-10	2.34E-08	1.22E-07	1.46E-09	1.23E-07	1.34E-08	1.33E-10	1.35E-08
2391	437755.05	3725121.78	1.09E-07	1.80E-09	1.10E-07	2.21E-08	2.96E-10	2.24E-08	1.16E-07	1.39E-09	1.18E-07	1.28E-08	1.27E-10	1.30E-08
2392	437747.29	3725116.44	1.03E-07	1.67E-09	1.04E-07	2.10E-08	2.78E-10	2.12E-08	1.10E-07	1.30E-09	1.11E-07	1.22E-08	1.19E-10	1.24E-08
2393	437836.95	3725160.89	1.23E-07	2.24E-09	1.25E-07	2.46E-08	3.69E-10	2.50E-08	1.31E-07	1.73E-09	1.32E-07	1.40E-08	1.58E-10	1.42E-08
2394	437811.7	3725039.37	4.59E-08	8.24E-10	4.67E-08	9.41E-09	1.50E-10	9.56E-09	4.92E-08	7.05E-10	4.99E-08	5.54E-09	6.84E-11	5.61E-09
2395	437803.94	3725034.04	4.37E-08	7.78E-10	4.45E-08	8.98E-09	1.42E-10	9.12E-09	4.69E-08	6.70E-10	4.76E-08	5.31E-09	6.52E-11	5.38E-09
2396	437883.12	3725066.72	5.20E-08	1.00E-09	5.31E-08	1.06E-08	1.81E-10	1.07E-08	5.56E-08	8.51E-10	5.65E-08	6.12E-09	8.22E-11	6.21E-09
2397	437894.74	3725079.75	5.55E-08	1.08E-09	5.66E-08	1.12E-08	1.94E-10	1.14E-08	5.93E-08	9.12E-10	6.02E-08	6.50E-09	8.79E-11	6.58E-09
2398	437906.35	3725092.78	5.85E-08	1.15E-09	5.96E-08	1.18E-08	2.06E-10	1.20E-08	6.24E-08	9.69E-10	6.34E-08	6.82E-09	9.33E-11	6.91E-09
2399	437917.97	3725105.8	6.08E-08	1.21E-09	6.21E-08	1.23E-08	2.17E-10	1.25E-08	6.50E-08	1.02E-09	6.60E-08	7.07E-09	9.83E-11	7.17E-09
2400	437869.56	3725054.88	4.90E-08	9.33E-10	4.99E-08	9.96E-09	1.69E-10	1.01E-08	5.24E-08	7.95E-10	5.32E-08	5.79E-09	7.69E-11	5.87E-09
2401	437861.8	3725049.54	4.76E-08	9.01E-10	4.85E-08	9.69E-09	1.64E-10	9.86E-09	5.10E-08	7.69E-10	5.17E-08	5.65E-09	7.45E-11	5.73E-09
2402	437854.05	3725044.21	4.61E-08	8.67E-10	4.70E-08	9.41E-09	1.58E-10	9.56E-09	4.94E-08	7.42E-10	5.01E-08	5.50E-09	7.20E-11	5.57E-09
2403	437846.29	3725038.88	4.46E-08	8.32E-10	4.54E-08	9.10E-09	1.52E-10	9.25E-09	4.77E-08	7.14E-10	4.84E-08	5.33E-09	6.94E-11	5.40E-09
2404	437838.54	3725033.55	4.29E-08	7.95E-10	4.37E-08	8.77E-09	1.46E-10	8.92E-09	4.60E-08	6.85E-10	4.66E-08	5.15E-09	6.67E-11	5.22E-09
2405	437830.78	3725028.22	4.12E-08	7.58E-10	4.19E-08	8.43E-09	1.39E-10	8.57E-09	4.41E-08	6.56E-10	4.48E-08	4.96E-09	6.40E-11	5.03E-09
2406	437823.03	3725022.89	3.94E-08	7.20E-10	4.01E-08	8.09E-09	1.33E-10	8.22E-09	4.23E-08	6.26E-10	4.29E-08	4.77E-09	6.13E-11	4.84E-09
2407	437815.27	3725017.56	3.76E-08	6.82E-10	3.83E-08	7.74E-09	1.27E-10	7.86E-09	4.04E-08	5.97E-10	4.10E-08	4.58E-09	5.86E-11	4.64E-09
2408	437894.49	3725050.29	4.49E-08	8.77E-10	4.58E-08	9.12E-09	1.61E-10	9.28E-09	4.80E-08	7.55E-10	4.88E-08	5.30E-09	7.35E-11	5.38E-09
2409	437906.19	3725063.4	4.79E-08	9.43E-10	4.88E-08	9.71E-09	1.72E-10	9.88E-09	5.12E-08	8.09E-10	5.20E-08	5.63E-09	7.86E-11	5.70E-09
2410	437917.89	3725076.52	5.05E-08	1.00E-09	5.15E-08	1.02E-08	1.83E-10	1.04E-08	5.40E-08	8.60E-10	5.48E-08	5.91E-09	8.35E-11	6.00E-09
2411	437929.58	3725089.64	5.27E-08	1.06E-09	5.38E-08	1.07E-08	1.93E-10	1.09E-08	5.63E-08	9.07E-10	5.72E-08	6.15E-09	8.80E-11	6.24E-09
2412	437941.28	3725102.76	5.44E-08	1.10E-09	5.55E-08	1.10E-08	2.02E-10	1.12E-08	5.81E-08	9.48E-10	5.90E-08	6.33E-09	9.21E-11	6.42E-09
2413	437880.89	3725038.39	4.23E-08	8.17E-10	4.31E-08	8.61E-09	1.50E-10	8.76E-09	4.52E-08	7.06E-10	4.60E-08	5.02E-09	6.89E-11	5.09E-09
2414	437873.13	3725033.06	4.11E-08	7.89E-10	4.19E-08	8.38E-09	1.45E-10	8.53E-09	4.40E-08	6.84E-10	4.47E-08	4.90E-09	6.68E-11	4.96E-09

2415	437865.38	3725027.73	3.99E-08	7.60E-10	4.06E-08	8.14E-09	1.40E-10	8.28E-09	4.27E-08	6.61E-10	4.34E-08	4.76E-09	6.46E-11	4.83E-09
2416	437857.62	3725022.4	3.85E-08	7.30E-10	3.93E-08	7.87E-09	1.35E-10	8.01E-09	4.13E-08	6.36E-10	4.19E-08	4.62E-09	6.23E-11	4.68E-09
2417	437849.87	3725017.07	3.71E-08	6.99E-10	3.78E-08	7.60E-09	1.30E-10	7.73E-09	3.98E-08	6.11E-10	4.04E-08	4.47E-09	6.00E-11	4.53E-09
2418	437842.11	3725011.74	3.57E-08	6.67E-10	3.63E-08	7.31E-09	1.25E-10	7.44E-09	3.82E-08	5.86E-10	3.88E-08	4.31E-09	5.77E-11	4.37E-09
2419	437834.36	3725006.41	3.42E-08	6.35E-10	3.48E-08	7.02E-09	1.19E-10	7.14E-09	3.67E-08	5.61E-10	3.72E-08	4.15E-09	5.53E-11	4.21E-09
2420	437826.6	3725001.08	3.27E-08	6.03E-10	3.33E-08	6.73E-09	1.14E-10	6.84E-09	3.51E-08	5.35E-10	3.56E-08	3.99E-09	5.29E-11	4.04E-09
2421	437905.86	3725033.84	3.91E-08	7.73E-10	3.98E-08	7.95E-09	1.44E-10	8.09E-09	4.18E-08	6.75E-10	4.25E-08	4.63E-09	6.62E-11	4.70E-09
2422	437917.62	3725047.04	4.16E-08	8.31E-10	4.25E-08	8.45E-09	1.54E-10	8.61E-09	4.45E-08	7.23E-10	4.52E-08	4.91E-09	7.07E-11	4.98E-09
2423	437929.39	3725060.24	4.40E-08	8.85E-10	4.48E-08	8.91E-09	1.63E-10	9.07E-09	4.70E-08	7.68E-10	4.77E-08	5.16E-09	7.51E-11	5.24E-09
2424	437941.16	3725073.43	4.60E-08	9.34E-10	4.69E-08	9.30E-09	1.72E-10	9.48E-09	4.91E-08	8.10E-10	4.99E-08	5.38E-09	7.92E-11	5.46E-09
2425	437952.93	3725086.63	4.76E-08	9.77E-10	4.86E-08	9.62E-09	1.80E-10	9.81E-09	5.08E-08	8.49E-10	5.17E-08	5.55E-09	8.30E-11	5.64E-09
2426	437964.69	3725099.83	4.88E-08	1.01E-09	4.98E-08	9.86E-09	1.88E-10	1.00E-08	5.21E-08	8.82E-10	5.30E-08	5.68E-09	8.64E-11	5.77E-09
2427	437892.22	3725021.91	3.68E-08	7.21E-10	3.75E-08	7.50E-09	1.34E-10	7.63E-09	3.94E-08	6.32E-10	4.00E-08	4.38E-09	6.21E-11	4.45E-09
2428	437884.46	3725016.58	3.58E-08	6.97E-10	3.65E-08	7.30E-09	1.30E-10	7.43E-09	3.83E-08	6.12E-10	3.89E-08	4.27E-09	6.02E-11	4.33E-09
2429	437876.71	3725011.25	3.47E-08	6.71E-10	3.53E-08	7.08E-09	1.26E-10	7.21E-09	3.71E-08	5.92E-10	3.77E-08	4.16E-09	5.83E-11	4.21E-09
2430	437868.95	3725005.92	3.35E-08	6.45E-10	3.42E-08	6.86E-09	1.21E-10	6.98E-09	3.59E-08	5.70E-10	3.65E-08	4.03E-09	5.63E-11	4.09E-09
2431	437861.2	3725000.59	3.23E-08	6.19E-10	3.30E-08	6.62E-09	1.17E-10	6.74E-09	3.47E-08	5.49E-10	3.52E-08	3.90E-09	5.42E-11	3.96E-09
2432	437853.44	3724995.26	3.11E-08	5.92E-10	3.17E-08	6.38E-09	1.12E-10	6.49E-09	3.33E-08	5.27E-10	3.39E-08	3.77E-09	5.22E-11	3.82E-09
2433	437845.69	3724989.93	2.98E-08	5.64E-10	3.04E-08	6.13E-09	1.07E-10	6.24E-09	3.20E-08	5.05E-10	3.25E-08	3.63E-09	5.01E-11	3.68E-09
2434	437837.93	3724984.6	2.86E-08	5.37E-10	2.91E-08	5.88E-09	1.03E-10	5.98E-09	3.07E-08	4.83E-10	3.11E-08	3.49E-09	4.81E-11	3.54E-09
2435	437917.22	3725017.4	3.42E-08	6.86E-10	3.49E-08	6.96E-09	1.29E-10	7.09E-09	3.66E-08	6.07E-10	3.72E-08	4.06E-09	5.99E-11	4.12E-09
2436	437929.04	3725030.66	3.64E-08	7.37E-10	3.72E-08	7.41E-09	1.38E-10	7.54E-09	3.90E-08	6.49E-10	3.96E-08	4.31E-09	6.40E-11	4.37E-09
2437	437940.87	3725043.92	3.85E-08	7.85E-10	3.93E-08	7.81E-09	1.47E-10	7.96E-09	4.11E-08	6.90E-10	4.18E-08	4.53E-09	6.79E-11	4.60E-09
2438	437952.7	3725057.19	4.03E-08	8.29E-10	4.11E-08	8.17E-09	1.55E-10	8.32E-09	4.31E-08	7.28E-10	4.38E-08	4.73E-09	7.16E-11	4.80E-09
2439	437964.53	3725070.45	4.18E-08	8.69E-10	4.27E-08	8.47E-09	1.62E-10	8.63E-09	4.47E-08	7.63E-10	4.55E-08	4.90E-09	7.51E-11	4.97E-09
2440	437976.35	3725083.72	4.31E-08	9.03E-10	4.40E-08	8.71E-09	1.69E-10	8.88E-09	4.60E-08	7.95E-10	4.68E-08	5.03E-09	7.83E-11	5.11E-09
2441	437988.18	3725096.98	4.39E-08	9.31E-10	4.49E-08	8.88E-09	1.75E-10	9.05E-09	4.69E-08	8.22E-10	4.77E-08	5.12E-09	8.11E-11	5.20E-09
2442	437903.55	3725005.43	3.22E-08	6.40E-10	3.28E-08	6.57E-09	1.21E-10	6.69E-09	3.45E-08	5.68E-10	3.50E-08	3.85E-09	5.62E-11	3.90E-09
2443	437895.79	3725000.1	3.13E-08	6.19E-10	3.19E-08	6.40E-09	1.17E-10	6.51E-09	3.35E-08	5.51E-10	3.41E-08	3.75E-09	5.46E-11	3.81E-09
2444	437888.04	3724994.77	3.04E-08	5.97E-10	3.10E-08	6.21E-09	1.13E-10	6.33E-09	3.25E-08	5.33E-10	3.31E-08	3.65E-09	5.28E-11	3.70E-09
2445	437880.28	3724989.44	2.94E-08	5.75E-10	3.00E-08	6.02E-09	1.09E-10	6.13E-09	3.15E-08	5.14E-10	3.20E-08	3.54E-09	5.11E-11	3.59E-09
2446	437872.53	3724984.11	2.84E-08	5.52E-10	2.89E-08	5.81E-09	1.05E-10	5.92E-09	3.04E-08	4.96E-10	3.09E-08	3.43E-09	4.93E-11	3.48E-09
2447	437864.77	3724978.78	2.73E-08	5.28E-10	2.78E-08	5.61E-09	1.01E-10	5.71E-09	2.93E-08	4.76E-10	2.98E-08	3.31E-09	4.75E-11	3.36E-09
2448	437857.02	3724973.45	2.62E-08	5.05E-10	2.67E-08	5.39E-09	9.71E-11	5.49E-09	2.81E-08	4.57E-10	2.86E-08	3.20E-09	4.57E-11	3.24E-09
2449	437849.26	3724968.11	2.51E-08	4.81E-10	2.56E-08	5.18E-09	9.30E-11	5.27E-09	2.70E-08	4.38E-10	2.74E-08	3.07E-09	4.39E-11	3.12E-09
2450	437928.57	3725000.94	3.01E-08	6.12E-10	3.07E-08	6.14E-09	1.17E-10	6.26E-09	3.22E-08	5.48E-10	3.28E-08	3.59E-09	5.44E-11	3.64E-09
2451	437940.45	3725014.27	3.21E-08	6.57E-10	3.28E-08	6.53E-09	1.25E-10	6.65E-09	3.43E-08	5.86E-10	3.49E-08	3.81E-09	5.81E-11	3.86E-09
2452	437946.39	3725020.93	3.30E-08	6.79E-10	3.37E-08	6.71E-09	1.28E-10	6.84E-09	3.53E-08	6.05E-10	3.59E-08	3.91E-09	5.99E-11	3.97E-09
2453	437970.15	3725047.58	3.63E-08	7.59E-10	3.71E-08	7.36E-09	1.43E-10	7.51E-09	3.88E-08	6.74E-10	3.95E-08	4.27E-09	6.67E-11	4.33E-09
2454	437982.03	3725060.9	3.76E-08	7.93E-10	3.84E-08	7.62E-09	1.50E-10	7.77E-09	4.02E-08	7.05E-10	4.09E-08	4.41E-09	6.97E-11	4.48E-09
2455	437993.92	3725074.22	3.86E-08	8.23E-10	3.94E-08	7.82E-09	1.56E-10	7.97E-09	4.13E-08	7.33E-10	4.20E-08	4.52E-09	7.26E-11	4.59E-09
2456	437914.88	3724988.95	2.84E-08	5.72E-10	2.89E-08	5.79E-09	1.09E-10	5.90E-09	3.04E-08	5.14E-10	3.09E-08	3.40E-09	5.12E-11	3.45E-09
2457	437907.12	3724983.62	2.76E-08	5.53E-10	2.81E-08	5.64E-09	1.06E-10	5.75E-09	2.95E-08	4.99E-10	3.00E-08	3.31E-09	4.97E-11	3.36E-09
2458	437899.37	3724978.29	2.68E-08	5.34E-10	2.73E-08	5.48E-09	1.03E-10	5.58E-09	2.87E-08	4.83E-10	2.92E-08	3.22E-09	4.81E-11	3.27E-09
2459	437891.61	3724972.96	2.59E-08	5.15E-10	2.64E-08	5.31E-09	9.91E-11	5.41E-09	2.78E-08	4.66E-10	2.83E-08	3.13E-09	4.66E-11	3.18E-09
2460	437883.86	3724967.63	2.50E-08	4.95E-10	2.55E-08	5.14E-09	9.56E-11	5.23E-09	2.68E-08	4.50E-10	2.73E-08	3.03E-09	4.50E-11	3.08E-09
2461	437876.1	3724962.3	2.41E-08	4.75E-10	2.46E-08	4.96E-09	9.20E-11	5.05E-09	2.59E-08	4.33E-10	2.63E-08	2.93E-09	4.34E-11	2.98E-09
2462	437868.35	3724956.96	2.32E-08	4.54E-10	2.37E-08	4.77E-09	8.84E-11	4.86E-09	2.49E-08	4.16E-10	2.53E-08	2.83E-09	4.18E-11	2.87E-09
2463	437860.59	3724951.63	2.23E-08	4.34E-10	2.27E-08	4.58E-09	8.48E-11	4.67E-09	2.39E-08	3.99E-10	2.43E-08	2.72E-09	4.02E-11	2.77E-09
2464	437945.78	3724976.46	2.52E-08	5.23E-10	2.58E-08	5.15E-09	1.01E-10	5.25E-09	2.70E-08	4.76E-10	2.75E-08	3.02E-09	4.76E-11	3.06E-09
2465	437951.93	3724983.35	2.61E-08	5.42E-10	2.66E-08	5.32E-09	1.05E-10	5.42E-09	2.79E-08	4.93E-10	2.84E-08	3.11E-09	4.92E-11	3.16E-09
2466	437976.53	3725010.94	2.92E-08	6.17E-10	2.99E-08	5.94E-09	1.18E-10	6.06E-09	3.13E-08	5.57E-10	3.18E-08	3.46E-09	5.55E-11	3.52E-09
2467	437982.68	3725017.84	2.99E-08	6.34E-10	3.06E-08	6.08E-09	1.22E-10	6.20E-09	3.20E-08	5.72E-10	3.26E-08	3.54E-09	5.70E-11	3.59E-09
2468	437988.83	3725024.74	3.06E-08	6.51E-10	3.13E-08	6.21E-09	1.25E-10	6.34E-09	3.27E-08	5.87E-10	3.33E-08	3.61E-09	5.85E-11	3.67E-09
2469	437994.98	3725031.63	3.12E-08	6.67E-10	3.19E-08	6.33E-09	1.28E-10	6.46E-09	3.34E-08	6.01E-10	3.40E-08	3.68E-09	5.99E-11	3.74E-09
2470	438001.13	3725038.53	3.18E-08	6.82E-10	3.25E-08	6.45E-09	1.31E-10	6.58E-09	3.40E-08	6.15E-10	3.46E-08	3.74E-09	6.13E-11	3.80E-09
2471	438007.28	3725045.43	3.23E-08	6.96E-10	3.30E-08	6.55E-09	1.33E-10	6.68E-09	3.45E-08	6.28E-10	3.51E-08	3.79E-09	6.26E-11	3.86E-09
2472	438013.43	3725052.32	3.27E-08	7.09E-10	3.35E-08	6.64E-09	1.36E-10	6.77E-09	3.50E-08	6.40E-10	3.56E-08	3.84E-09	6.38E-11	3.91E-09
2473	437939.63	3724969.56	2.44E-08	5.04E-10	2.49E-08	4.98E-09	9.76E-11	5.07E-09	2.61E-08	4.59E-10	2.65E-08	2.92E-09	4.60E-11	2.97E-09
2474	437931.87	3724964.23	2.37E-08	4.89E-10	2.42E-08	4.85E-09	9.48E-11	4.95E-09	2.54E-08	4.46E-10	2.59E-08	2.85E-09	4.48E-11	2.90E-09
2475	437924.12	3724958.9	2.31E-08	4.73E-10	2.36E-08	4.72E-09	9.20E-11	4.82E-09	2.47E-08	4.33E-10	2.52E-08	2.78E-09	4.35E-11	2.82E-09
2476	437916.36	3724953.57	2.24E-08	4.57E-10	2.29E-08	4.59E-09	8.91E-11	4.68E-09	2.40E-08	4.20E-10	2.44E-08	2.70E-09	4.22E-11	2.75E-09
2477	437908.61	3724948.24	2.17E-08	4.41E-10	2.22E-08	4.45E-09	8.63E-11	4.54E-09	2.33E-08	4.06E-10	2.37E-08	2.63E-09	4.09E-11	2.67E-09
2478	437900.85	3724942.9	2.10E-08	4.25E-10	2.14E-08	4.31E-09	8.33E-11	4.39E-09	2.25E-08	3.92E-10	2.29E-08	2.55E-09	3.95E-11	2.59E-09
2479	437893.1	3724937.57	2.03E-08	4.09E-10	2.07E-08	4.17E-09	8.04E-11	4.25E-09	2.17E-08	3.79E-10	2.21E-08	2.47E-09	3.82E-11	2.51E-09
2480	437885.34	3724932.24	1.95E-08	3.92E-10	1.99E-08	4.02E-09	7.74E-11	4.09E-09	2.09E-08	3.65E-10	2.13E-08	2.38E-09	3.69E-11	2.42E-09
2481	437877.59	3724926.91	1.88E-08	3.75E-10	1.91E-08	3.86E-09	7.44E-11	3.94E-09	2.01E-08	3.51E-10	2.05E-08	2.30E-09	3.55E-11	2.33E-09
2482	437974.63	3724965.03	2.27E-08	4.83E-10	2.32E-08	4.64E-09	9.42E-11	4.73E-09	2.43E-08	4.44E-10	2.48E-08	2.71E-09	4.46E-11	2.76E-09
2483	437980.63	3724971.77	2.34E-08	4.98E-10	2.39E-08	4.77E-09	9.71E-11	4.87E-09	2.50E-08	4.57E-10	2.55E-08	2.79E-09	4.60E-11	2.83E-09
2484	437986.64	3724978.5	2.40E-08	5.13E-10	2.46E-08	4.90E-09	1.00E-10	5.00E-09	2.57E-08	4.71E-10	2.62E-08	2.86E-09	4.73E-11	2.91E-09
2485	437992.64	3724985.23	2.47E-08	5.28E-10	2.52E-08	5.02E-09	1.03E-10	5.12E-09	2.64E-08	4.84E-10	2.69E-08	2.93E-09	4.86E-11	2.98E-09
2486	437998.64	3724991.96	2.53E-08	5.43E-10	2.58E-08	5.14E-09	1.06E-10	5.24E-09	2.70E-08	4.97E-10	2.75E-08	3.00E-09	4.99E-11	3.05E-09
2487	438004.64	3724998.69	2.58E-08	5.57E-10	2.64E-08	5.25E-09	1.08E-10	5.36E-09	2.76E-08	5.10E-10	2.81E-08	3.06E-09	5.11E-11	3.11E-09
2488	438010.65	3725005.43	2.64E-08	5.71E-10	2.69E-08	5.36E-09	1.11E-10	5.47E-09	2.82E-08	5.22E-10	2.87E-08	3.12E-09	5.24E-11	3.17E-09
2489	438016.65	3725012.16	2.69E-08	5.84E-10	2.75E-08	5.46E-09	1.13E-10	5.57E-09	2.87E-08	5.34E-10	2.93E-08	3.17E-09	5.36E-11	3.23E-09
2490	438022.65	3725018.89	2.73E-08	5.97E-10	2.79E-08	5.55E-09	1.16E-10	5.67E-09	2.92E-08	5.46E-10	2.98E-08	3.23E-09	5.47E-11	3.28E-09
2491	438034.66	3725032.35	2.82E-08	6.20E-10	2.88E-08	5.72E-09	1.20E-10	5.84E-09	3.01E-08	5.67E-10	3.07E-08	3.32E-09	5.69E-11	3.37E-09
2492	437933.36	3724928.85	1.90E-08	3.96E-10	1.94E-08	3.89E-09	7.83E-11	3.97E-09	2.03E-08	3.69E-10	2.07E-08	2.30E-09	3.73E-11	2.33E-09

2493	437925.6	3724923.51	1.84E-08	3.82E-10	1.88E-08	3.78E-09	7.58E-11	3.85E-09	1.97E-08	3.57E-10	2.01E-08	2.23E-09	3.62E-11	2.27E-09
2494	437917.85	3724918.18	1.78E-08	3.69E-10	1.82E-08	3.66E-09	7.33E-11	3.73E-09	1.91E-08	3.45E-10	1.94E-08	2.16E-09	3.50E-11	2.20E-09
2495	437910.09	3724912.85	1.72E-08	3.55E-10	1.76E-08	3.54E-09	7.08E-11	3.61E-09	1.84E-08	3.34E-10	1.88E-08	2.10E-09	3.39E-11	2.13E-09
2496	437902.34	3724907.52	1.66E-08	3.42E-10	1.69E-08	3.42E-09	6.83E-11	3.48E-09	1.78E-08	3.22E-10	1.81E-08	2.03E-09	3.28E-11	2.06E-09
2497	437894.58	3724902.19	1.60E-08	3.28E-10	1.63E-08	3.29E-09	6.58E-11	3.36E-09	1.71E-08	3.10E-10	1.74E-08	1.96E-09	3.16E-11	1.99E-09
2498	437979.8	3724927.05	1.83E-08	3.93E-10	1.87E-08	3.74E-09	7.81E-11	3.81E-09	1.96E-08	3.68E-10	1.99E-08	2.20E-09	3.73E-11	2.23E-09
2499	437985.97	3724933.97	1.89E-08	4.07E-10	1.93E-08	3.86E-09	8.07E-11	3.94E-09	2.02E-08	3.80E-10	2.06E-08	2.27E-09	3.85E-11	2.31E-09
2500	437992.15	3724940.9	1.95E-08	4.21E-10	1.99E-08	3.98E-09	8.33E-11	4.06E-09	2.09E-08	3.92E-10	2.12E-08	2.33E-09	3.97E-11	2.37E-09
2501	437998.33	3724947.83	2.01E-08	4.34E-10	2.05E-08	4.09E-09	8.58E-11	4.18E-09	2.15E-08	4.04E-10	2.19E-08	2.40E-09	4.09E-11	2.44E-09
2502	438004.51	3724954.76	2.06E-08	4.48E-10	2.11E-08	4.20E-09	8.83E-11	4.29E-09	2.21E-08	4.16E-10	2.25E-08	2.46E-09	4.20E-11	2.50E-09
2503	438010.68	3724961.69	2.11E-08	4.61E-10	2.16E-08	4.31E-09	9.08E-11	4.40E-09	2.26E-08	4.28E-10	2.31E-08	2.52E-09	4.32E-11	2.56E-09
2504	438016.86	3724968.61	2.17E-08	4.74E-10	2.21E-08	4.41E-09	9.32E-11	4.51E-09	2.32E-08	4.39E-10	2.36E-08	2.58E-09	4.43E-11	2.62E-09
2505	438023.04	3724975.54	2.22E-08	4.86E-10	2.27E-08	4.51E-09	9.57E-11	4.61E-09	2.37E-08	4.51E-10	2.42E-08	2.63E-09	4.55E-11	2.68E-09
2506	438029.22	3724982.47	2.27E-08	4.99E-10	2.32E-08	4.61E-09	9.81E-11	4.71E-09	2.42E-08	4.62E-10	2.47E-08	2.69E-09	4.66E-11	2.74E-09
2507	438035.4	3724989.4	2.31E-08	5.11E-10	2.36E-08	4.70E-09	1.00E-10	4.80E-09	2.47E-08	4.73E-10	2.52E-08	2.74E-09	4.77E-11	2.79E-09
2508	438041.57	3724996.33	2.35E-08	5.21E-10	2.40E-08	4.78E-09	1.02E-10	4.88E-09	2.51E-08	4.82E-10	2.56E-08	2.78E-09	4.86E-11	2.83E-09
2509	438047.75	3725003.26	2.38E-08	5.30E-10	2.44E-08	4.84E-09	1.04E-10	4.94E-09	2.55E-08	4.90E-10	2.60E-08	2.82E-09	4.95E-11	2.87E-09
2510	438053.93	3725010.18	2.41E-08	5.38E-10	2.46E-08	4.90E-09	1.06E-10	5.00E-09	2.58E-08	4.98E-10	2.63E-08	2.85E-09	5.03E-11	2.90E-09
2511	438091	3725051.75	2.55E-08	5.85E-10	2.61E-08	5.17E-09	1.16E-10	5.29E-09	2.72E-08	5.46E-10	2.78E-08	3.00E-09	5.52E-11	3.05E-09
2512	437973.62	3724920.12	1.76E-08	3.79E-10	1.80E-08	3.61E-09	7.54E-11	3.68E-09	1.89E-08	3.55E-10	1.92E-08	2.12E-09	3.61E-11	2.16E-09
2513	437965.86	3724914.79	1.72E-08	3.68E-10	1.75E-08	3.52E-09	7.34E-11	3.59E-09	1.84E-08	3.46E-10	1.87E-08	2.07E-09	3.51E-11	2.11E-09
2514	437934.84	3724893.46	1.52E-08	3.23E-10	1.56E-08	3.13E-09	6.50E-11	3.20E-09	1.63E-08	3.06E-10	1.66E-08	1.86E-09	3.13E-11	1.89E-09
2515	437927.09	3724888.13	1.47E-08	3.12E-10	1.50E-08	3.03E-09	6.29E-11	3.09E-09	1.58E-08	2.96E-10	1.61E-08	1.80E-09	3.03E-11	1.83E-09
2516	437919.33	3724882.8	1.42E-08	3.00E-10	1.45E-08	2.93E-09	6.08E-11	2.99E-09	1.53E-08	2.86E-10	1.55E-08	1.74E-09	2.93E-11	1.77E-09
2517	437911.58	3724877.47	1.37E-08	2.89E-10	1.40E-08	2.82E-09	5.86E-11	2.88E-09	1.47E-08	2.76E-10	1.50E-08	1.68E-09	2.83E-11	1.71E-09
2518	437996.66	3724902.18	1.55E-08	3.39E-10	1.58E-08	3.16E-09	6.82E-11	3.23E-09	1.66E-08	3.21E-10	1.69E-08	1.86E-09	3.28E-11	1.90E-09
2519	438002.71	3724908.96	1.59E-08	3.50E-10	1.63E-08	3.26E-09	7.03E-11	3.33E-09	1.71E-08	3.31E-10	1.74E-08	1.92E-09	3.38E-11	1.95E-09
2520	438008.76	3724915.74	1.65E-08	3.63E-10	1.68E-08	3.37E-09	7.27E-11	3.44E-09	1.77E-08	3.43E-10	1.80E-08	1.98E-09	3.49E-11	2.01E-09
2521	438014.81	3724922.53	1.70E-08	3.75E-10	1.74E-08	3.47E-09	7.49E-11	3.55E-09	1.82E-08	3.53E-10	1.85E-08	2.04E-09	3.59E-11	2.07E-09
2522	438020.85	3724929.31	1.75E-08	3.86E-10	1.78E-08	3.56E-09	7.70E-11	3.64E-09	1.87E-08	3.63E-10	1.91E-08	2.09E-09	3.69E-11	2.13E-09
2523	438026.9	3724936.09	1.79E-08	3.97E-10	1.83E-08	3.65E-09	7.91E-11	3.73E-09	1.92E-08	3.73E-10	1.95E-08	2.14E-09	3.79E-11	2.18E-09
2524	438032.95	3724942.88	1.83E-08	4.06E-10	1.87E-08	3.73E-09	8.09E-11	3.81E-09	1.96E-08	3.81E-10	1.99E-08	2.18E-09	3.87E-11	2.22E-09
2525	438039	3724949.66	1.87E-08	4.17E-10	1.91E-08	3.81E-09	8.29E-11	3.90E-09	2.00E-08	3.91E-10	2.04E-08	2.23E-09	3.97E-11	2.27E-09
2526	438045.05	3724956.44	1.91E-08	4.27E-10	1.95E-08	3.89E-09	8.49E-11	3.98E-09	2.05E-08	4.00E-10	2.09E-08	2.28E-09	4.06E-11	2.32E-09
2527	438051.1	3724963.22	1.95E-08	4.37E-10	2.00E-08	3.97E-09	8.68E-11	4.06E-09	2.09E-08	4.09E-10	2.13E-08	2.32E-09	4.15E-11	2.36E-09
2528	438057.14	3724970.01	1.98E-08	4.46E-10	2.03E-08	4.04E-09	8.86E-11	4.13E-09	2.12E-08	4.17E-10	2.16E-08	2.36E-09	4.23E-11	2.40E-09
2529	438063.19	3724976.79	2.01E-08	4.53E-10	2.06E-08	4.09E-09	9.01E-11	4.18E-09	2.15E-08	4.25E-10	2.19E-08	2.39E-09	4.31E-11	2.43E-09
2530	438069.24	3724983.57	2.04E-08	4.61E-10	2.09E-08	4.15E-09	9.17E-11	4.24E-09	2.18E-08	4.32E-10	2.23E-08	2.42E-09	4.39E-11	2.46E-09
2531	438075.29	3724990.36	2.08E-08	4.71E-10	2.12E-08	4.22E-09	9.36E-11	4.31E-09	2.22E-08	4.41E-10	2.26E-08	2.46E-09	4.48E-11	2.50E-09
2532	438032.4	3724898.48	1.42E-08	3.19E-10	1.45E-08	2.91E-09	6.47E-11	2.97E-09	1.52E-08	3.05E-10	1.55E-08	1.71E-09	3.12E-11	1.74E-09
2533	438038.6	3724905.43	1.46E-08	3.28E-10	1.49E-08	2.97E-09	6.62E-11	3.04E-09	1.56E-08	3.12E-10	1.59E-08	1.75E-09	3.19E-11	1.78E-09
2534	438044.8	3724912.38	1.50E-08	3.37E-10	1.53E-08	3.05E-09	6.81E-11	3.12E-09	1.60E-08	3.21E-10	1.63E-08	1.79E-09	3.28E-11	1.83E-09
2535	438051	3724919.33	1.53E-08	3.46E-10	1.57E-08	3.13E-09	6.99E-11	3.20E-09	1.64E-08	3.29E-10	1.67E-08	1.84E-09	3.36E-11	1.87E-09
2536	438057.2	3724926.28	1.57E-08	3.55E-10	1.60E-08	3.20E-09	7.16E-11	3.27E-09	1.68E-08	3.37E-10	1.71E-08	1.88E-09	3.44E-11	1.91E-09
2537	438063.39	3724933.24	1.60E-08	3.63E-10	1.64E-08	3.26E-09	7.32E-11	3.34E-09	1.71E-08	3.45E-10	1.75E-08	1.91E-09	3.52E-11	1.95E-09
2538	438069.59	3724940.19	1.63E-08	3.72E-10	1.67E-08	3.33E-09	7.48E-11	3.40E-09	1.75E-08	3.53E-10	1.78E-08	1.95E-09	3.60E-11	1.98E-09
2539	438075.79	3724947.14	1.67E-08	3.82E-10	1.71E-08	3.41E-09	7.68E-11	3.49E-09	1.79E-08	3.62E-10	1.83E-08	1.99E-09	3.69E-11	2.03E-09
2540	438081.99	3724954.09	1.71E-08	3.92E-10	1.75E-08	3.49E-09	7.89E-11	3.57E-09	1.83E-08	3.72E-10	1.87E-08	2.04E-09	3.79E-11	2.08E-09
2541	438088.19	3724961.04	1.75E-08	4.02E-10	1.79E-08	3.57E-09	8.08E-11	3.65E-09	1.87E-08	3.81E-10	1.91E-08	2.08E-09	3.89E-11	2.12E-09
2542	438094.39	3724967.99	1.79E-08	4.12E-10	1.83E-08	3.64E-09	8.27E-11	3.72E-09	1.91E-08	3.90E-10	1.95E-08	2.12E-09	3.98E-11	2.16E-09
2543	437992.1	3724860.01	1.23E-08	2.73E-10	1.26E-08	2.52E-09	5.58E-11	2.58E-09	1.32E-08	2.63E-10	1.34E-08	1.49E-09	2.70E-11	1.52E-09
2544	437984.34	3724854.68	1.20E-08	2.67E-10	1.23E-08	2.47E-09	5.47E-11	2.53E-09	1.29E-08	2.58E-10	1.32E-08	1.46E-09	2.65E-11	1.49E-09
2545	437976.59	3724849.35	1.17E-08	2.60E-10	1.20E-08	2.41E-09	5.33E-11	2.47E-09	1.26E-08	2.52E-10	1.28E-08	1.43E-09	2.59E-11	1.46E-09
2546	437968.83	3724844.02	1.14E-08	2.52E-10	1.17E-08	2.34E-09	5.18E-11	2.40E-09	1.22E-08	2.44E-10	1.25E-08	1.39E-09	2.52E-11	1.42E-09
2547	437961.08	3724838.69	1.11E-08	2.45E-10	1.13E-08	2.28E-09	5.04E-11	2.33E-09	1.19E-08	2.38E-10	1.21E-08	1.35E-09	2.45E-11	1.38E-09
2548	437953.32	3724833.36	1.08E-08	2.37E-10	1.10E-08	2.21E-09	4.90E-11	2.26E-09	1.15E-08	2.31E-10	1.18E-08	1.32E-09	2.39E-11	1.34E-09
2549	437945.57	3724828.02	1.04E-08	2.29E-10	1.06E-08	2.14E-09	4.75E-11	2.19E-09	1.12E-08	2.24E-10	1.14E-08	1.28E-09	2.32E-11	1.30E-09
2550	438030.69	3724852.77	1.15E-08	2.61E-10	1.17E-08	2.35E-09	5.35E-11	2.40E-09	1.23E-08	2.52E-10	1.25E-08	1.39E-09	2.60E-11	1.41E-09
2551	438036.77	3724859.6	1.18E-08	2.68E-10	1.20E-08	2.41E-09	5.49E-11	2.46E-09	1.26E-08	2.59E-10	1.28E-08	1.42E-09	2.66E-11	1.45E-09
2552	438067.18	3724893.7	1.32E-08	3.02E-10	1.35E-08	2.69E-09	6.16E-11	2.75E-09	1.41E-08	2.90E-10	1.44E-08	1.58E-09	2.98E-11	1.61E-09
2553	438073.27	3724900.52	1.34E-08	3.09E-10	1.37E-08	2.74E-09	6.29E-11	2.81E-09	1.44E-08	2.97E-10	1.47E-08	1.61E-09	3.04E-11	1.64E-09
2554	438079.35	3724907.35	1.37E-08	3.16E-10	1.40E-08	2.80E-09	6.43E-11	2.86E-09	1.47E-08	3.03E-10	1.50E-08	1.64E-09	3.11E-11	1.67E-09
2555	438085.43	3724914.17	1.40E-08	3.24E-10	1.43E-08	2.86E-09	6.58E-11	2.93E-09	1.50E-08	3.10E-10	1.53E-08	1.68E-09	3.18E-11	1.71E-09
2556	438091.51	3724920.99	1.43E-08	3.31E-10	1.47E-08	2.92E-09	6.74E-11	2.99E-09	1.53E-08	3.18E-10	1.56E-08	1.71E-09	3.26E-11	1.74E-09
2557	438097.6	3724927.81	1.46E-08	3.39E-10	1.50E-08	2.98E-09	6.89E-11	3.05E-09	1.56E-08	3.25E-10	1.60E-08	1.74E-09	3.33E-11	1.78E-09
2558	438103.68	3724934.63	1.49E-08	3.46E-10	1.52E-08	3.03E-09	7.02E-11	3.10E-09	1.59E-08	3.31E-10	1.62E-08	1.77E-09	3.39E-11	1.81E-09
2559	438024.6	3724845.95	1.12E-08	2.54E-10	1.14E-08	2.29E-09	5.22E-11	2.34E-09	1.20E-08	2.46E-10	1.22E-08	1.35E-09	2.54E-11	1.38E-09
2560	438016.85	3724840.62	1.09E-08	2.48E-10	1.12E-08	2.24E-09	5.10E-11	2.29E-09	1.17E-08	2.41E-10	1.19E-08	1.33E-09	2.48E-11	1.35E-09
2561	438009.09	3724835.29	1.07E-08	2.42E-10	1.09E-08	2.19E-09	4.99E-11	2.24E-09	1.14E-08	2.35E-10	1.17E-08	1.30E-09	2.43E-11	1.32E-09
2562	438001.34	3724829.96	1.04E-08	2.36E-10	1.07E-08	2.14E-09	4.87E-11	2.19E-09	1.12E-08	2.30E-10	1.14E-08	1.27E-09	2.37E-11	1.29E-09
2563	437993.58	3724824.63	1.02E-08	2.30E-10	1.04E-08	2.09E-09	4.75E-11	2.14E-09	1.09E-08	2.24E-10	1.11E-08	1.24E-09	2.32E-11	1.26E-09
2564	437985.83	3724819.3	9.89E-09	2.23E-10	1.01E-08	2.04E-09	4.63E-11	2.08E-09	1.06E-08	2.18E-10	1.08E-08	1.21E-09	2.26E-11	1.23E-09
2565	437978.07	3724813.96	9.62E-09	2.17E-10	9.84E-09	1.98E-09	4.51E-11	2.03E-09	1.03E-08	2.13E-10	1.05E-08	1.18E-09	2.20E-11	1.20E-09
2566	437970.32	3724808.63	9.37E-09	2.11E-10	9.58E-09	1.93E-09	4.40E-11	1.97E-09	1.01E-08	2.07E-10	1.03E-08	1.15E-09	2.15E-11	1.17E-09
2567	437962.56	3724803.3	9.11E-09	2.05E-10	9.32E-09	1.88E-09	4.28E-11	1.92E-09	9.78E-09	2.02E-10	9.98E-09	1.12E-09	2.10E-11	1.14E-09
2568	438190.75	3724988.49	1.56E-08	3.80E-10	1.60E-08	3.17E-09	7.81E-11	3.25E-09	1.67E-08	3.68E-10	1.70E-08	1.85E-09	3.79E-11	1.89E-09
2569	438196.96	3724995.46	1.58E-08	3.87E-10	1.62E-08	3.22E-09	7.96E-11	3.30E-09	1.69E-08	3.75E-10	1.73E-08	1.88E-09	3.87E-11	1.91E-09
2570	438018.33	3724805.24	9.16E-09	2.11E-10	9.37E-09	1.88E-09	4.40E-11	1.93E-09	9.82E-09	2.07E-10	1.00E-08	1.12E-09	2.15E-11	1.14E-09

2571	438010.58	3724799.91	8.93E-09	2.05E-10	9.13E-09	1.84E-09	4.29E-11	1.88E-09	9.57E-09	2.02E-10	9.77E-09	1.09E-09	2.10E-11	1.11E-09
2572	438002.82	3724794.57	8.69E-09	2.00E-10	8.89E-09	1.79E-09	4.18E-11	1.83E-09	9.33E-09	1.97E-10	9.52E-09	1.06E-09	2.05E-11	1.08E-09
2573	437995.07	3724789.24	8.46E-09	1.94E-10	8.66E-09	1.74E-09	4.08E-11	1.78E-09	9.08E-09	1.92E-10	9.27E-09	1.04E-09	2.00E-11	1.06E-09
2574	437987.31	3724783.91	8.22E-09	1.89E-10	8.41E-09	1.69E-09	3.97E-11	1.73E-09	8.82E-09	1.87E-10	9.01E-09	1.01E-09	1.95E-11	1.03E-09
2575	437979.56	3724778.58	7.96E-09	1.83E-10	8.15E-09	1.64E-09	3.85E-11	1.68E-09	8.55E-09	1.82E-10	8.73E-09	9.79E-10	1.89E-11	9.98E-10
2576	438107.47	3724851.33	1.06E-08	2.50E-10	1.08E-08	2.16E-09	5.17E-11	2.21E-09	1.13E-08	2.44E-10	1.16E-08	1.27E-09	2.52E-11	1.30E-09
2577	438113.58	3724858.18	1.08E-08	2.55E-10	1.10E-08	2.20E-09	5.28E-11	2.26E-09	1.15E-08	2.49E-10	1.18E-08	1.30E-09	2.57E-11	1.32E-09
2578	438119.69	3724865.03	1.10E-08	2.61E-10	1.13E-08	2.25E-09	5.39E-11	2.30E-09	1.18E-08	2.54E-10	1.20E-08	1.32E-09	2.63E-11	1.35E-09
2579	438125.8	3724871.88	1.12E-08	2.66E-10	1.15E-08	2.29E-09	5.50E-11	2.34E-09	1.20E-08	2.59E-10	1.22E-08	1.34E-09	2.68E-11	1.37E-09
2580	438131.91	3724878.73	1.14E-08	2.71E-10	1.17E-08	2.33E-09	5.60E-11	2.38E-09	1.22E-08	2.64E-10	1.24E-08	1.37E-09	2.73E-11	1.39E-09
2581	438138.02	3724885.59	1.16E-08	2.76E-10	1.18E-08	2.36E-09	5.69E-11	2.42E-09	1.24E-08	2.69E-10	1.26E-08	1.38E-09	2.77E-11	1.41E-09
2582	438144.13	3724892.44	1.17E-08	2.80E-10	1.20E-08	2.39E-09	5.79E-11	2.45E-09	1.25E-08	2.73E-10	1.28E-08	1.40E-09	2.82E-11	1.43E-09
2583	438150.24	3724899.29	1.19E-08	2.85E-10	1.22E-08	2.43E-09	5.88E-11	2.48E-09	1.27E-08	2.77E-10	1.30E-08	1.42E-09	2.87E-11	1.45E-09
2584	438156.35	3724906.14	1.20E-08	2.89E-10	1.23E-08	2.46E-09	5.98E-11	2.52E-09	1.29E-08	2.82E-10	1.32E-08	1.44E-09	2.91E-11	1.47E-09
2585	438162.46	3724912.99	1.22E-08	2.94E-10	1.25E-08	2.49E-09	6.07E-11	2.55E-09	1.31E-08	2.86E-10	1.33E-08	1.46E-09	2.96E-11	1.49E-09
2586	438168.57	3724919.85	1.24E-08	2.99E-10	1.27E-08	2.52E-09	6.17E-11	2.58E-09	1.32E-08	2.91E-10	1.35E-08	1.48E-09	3.00E-11	1.51E-09
2587	438081.82	3724778.77	7.92E-09	1.89E-10	8.11E-09	1.63E-09	3.98E-11	1.67E-09	8.48E-09	1.88E-10	8.67E-09	9.63E-10	1.96E-11	9.82E-10
2588	438088.04	3724785.75	8.14E-09	1.94E-10	8.33E-09	1.67E-09	4.08E-11	1.71E-09	8.72E-09	1.93E-10	8.92E-09	9.89E-10	2.01E-11	1.01E-09
2589	438094.27	3724792.74	8.34E-09	1.99E-10	8.54E-09	1.71E-09	4.18E-11	1.75E-09	8.94E-09	1.97E-10	9.14E-09	1.01E-09	2.05E-11	1.03E-09
2590	438100.5	3724799.72	8.54E-09	2.04E-10	8.75E-09	1.75E-09	4.28E-11	1.79E-09	9.15E-09	2.02E-10	9.36E-09	1.04E-09	2.10E-11	1.06E-09
2591	438106.72	3724806.7	8.75E-09	2.09E-10	8.96E-09	1.79E-09	4.38E-11	1.84E-09	9.37E-09	2.07E-10	9.58E-09	1.06E-09	2.15E-11	1.08E-09
2592	438112.95	3724813.69	8.96E-09	2.14E-10	9.17E-09	1.84E-09	4.48E-11	1.88E-09	9.59E-09	2.12E-10	9.81E-09	1.08E-09	2.20E-11	1.11E-09
2593	438119.18	3724820.67	9.18E-09	2.20E-10	9.40E-09	1.88E-09	4.59E-11	1.93E-09	9.83E-09	2.17E-10	1.00E-08	1.11E-09	2.25E-11	1.13E-09
2594	438125.41	3724827.65	9.40E-09	2.25E-10	9.62E-09	1.92E-09	4.70E-11	1.97E-09	1.01E-08	2.22E-10	1.03E-08	1.13E-09	2.30E-11	1.16E-09
2595	438131.63	3724834.64	9.61E-09	2.31E-10	9.84E-09	1.97E-09	4.81E-11	2.01E-09	1.03E-08	2.27E-10	1.05E-08	1.16E-09	2.35E-11	1.18E-09
2596	438137.86	3724841.62	9.81E-09	2.36E-10	1.00E-08	2.01E-09	4.91E-11	2.06E-09	1.05E-08	2.32E-10	1.07E-08	1.18E-09	2.40E-11	1.21E-09
2597	438144.09	3724848.6	1.00E-08	2.41E-10	1.02E-08	2.05E-09	5.01E-11	2.10E-09	1.07E-08	2.36E-10	1.09E-08	1.20E-09	2.45E-11	1.23E-09
2598	438150.31	3724855.59	1.02E-08	2.45E-10	1.04E-08	2.08E-09	5.11E-11	2.13E-09	1.09E-08	2.41E-10	1.11E-08	1.22E-09	2.50E-11	1.25E-09
2599	438156.54	3724862.57	1.03E-08	2.50E-10	1.06E-08	2.11E-09	5.20E-11	2.17E-09	1.11E-08	2.45E-10	1.13E-08	1.24E-09	2.54E-11	1.27E-09
2600	438162.77	3724869.55	1.05E-08	2.54E-10	1.07E-08	2.14E-09	5.28E-11	2.20E-09	1.12E-08	2.49E-10	1.15E-08	1.26E-09	2.58E-11	1.28E-09
2601	438168.99	3724876.54	1.06E-08	2.58E-10	1.09E-08	2.17E-09	5.37E-11	2.23E-09	1.14E-08	2.53E-10	1.16E-08	1.28E-09	2.62E-11	1.30E-09
2602	438175.22	3724883.52	1.08E-08	2.62E-10	1.10E-08	2.20E-09	5.45E-11	2.25E-09	1.15E-08	2.57E-10	1.18E-08	1.29E-09	2.66E-11	1.32E-09
2603	438181.45	3724890.5	1.09E-08	2.66E-10	1.12E-08	2.23E-09	5.53E-11	2.28E-09	1.17E-08	2.61E-10	1.19E-08	1.31E-09	2.70E-11	1.33E-09
2604	438075.59	3724771.79	7.69E-09	1.84E-10	7.88E-09	1.58E-09	3.87E-11	1.62E-09	8.25E-09	1.83E-10	8.43E-09	9.37E-10	1.91E-11	9.56E-10
2605	438067.83	3724766.46	7.53E-09	1.80E-10	7.71E-09	1.55E-09	3.79E-11	1.59E-09	8.08E-09	1.79E-10	8.26E-09	9.18E-10	1.87E-11	9.37E-10
2606	438060.08	3724761.12	7.38E-09	1.76E-10	7.55E-09	1.52E-09	3.72E-11	1.55E-09	7.91E-09	1.75E-10	8.09E-09	9.00E-10	1.83E-11	9.19E-10
2607	438052.32	3724755.79	7.22E-09	1.72E-10	7.39E-09	1.49E-09	3.64E-11	1.52E-09	7.74E-09	1.72E-10	7.92E-09	8.82E-10	1.79E-11	9.00E-10
2608	438044.57	3724750.46	7.03E-09	1.67E-10	7.20E-09	1.45E-09	3.55E-11	1.48E-09	7.54E-09	1.68E-10	7.71E-09	8.61E-10	1.75E-11	8.78E-10
2609	438036.81	3724745.13	6.83E-09	1.63E-10	7.00E-09	1.41E-09	3.46E-11	1.44E-09	7.33E-09	1.63E-10	7.49E-09	8.37E-10	1.71E-11	8.54E-10
2610	438029.06	3724739.8	6.62E-09	1.58E-10	6.78E-09	1.36E-09	3.36E-11	1.40E-09	7.10E-09	1.58E-10	7.26E-09	8.12E-10	1.66E-11	8.28E-10
2611	438021.3	3724734.47	6.41E-09	1.53E-10	6.56E-09	1.32E-09	3.26E-11	1.35E-09	6.87E-09	1.54E-10	7.03E-09	7.87E-10	1.61E-11	8.03E-10
2612	438013.55	3724729.14	6.20E-09	1.48E-10	6.35E-09	1.28E-09	3.16E-11	1.31E-09	6.65E-09	1.49E-10	6.80E-09	7.63E-10	1.56E-11	7.78E-10
2613	438098.72	3724753.94	7.03E-09	1.70E-10	7.20E-09	1.44E-09	3.61E-11	1.48E-09	7.53E-09	1.71E-10	7.70E-09	8.56E-10	1.78E-11	8.74E-10
2614	438104.85	3724760.82	7.22E-09	1.75E-10	7.40E-09	1.48E-09	3.71E-11	1.52E-09	7.74E-09	1.75E-10	7.92E-09	8.79E-10	1.83E-11	8.97E-10
2615	438110.98	3724767.7	7.41E-09	1.79E-10	7.59E-09	1.52E-09	3.80E-11	1.56E-09	7.94E-09	1.79E-10	8.12E-09	9.00E-10	1.87E-11	9.19E-10
2616	438117.11	3724774.57	7.59E-09	1.84E-10	7.78E-09	1.56E-09	3.89E-11	1.60E-09	8.13E-09	1.83E-10	8.32E-09	9.21E-10	1.91E-11	9.41E-10
2617	438123.24	3724781.45	7.78E-09	1.88E-10	7.96E-09	1.59E-09	3.98E-11	1.63E-09	8.33E-09	1.88E-10	8.52E-09	9.43E-10	1.96E-11	9.62E-10
2618	438129.38	3724788.33	7.96E-09	1.93E-10	8.15E-09	1.63E-09	4.07E-11	1.67E-09	8.52E-09	1.92E-10	8.72E-09	9.64E-10	2.00E-11	9.84E-10
2619	438135.51	3724795.2	8.14E-09	1.98E-10	8.34E-09	1.67E-09	4.16E-11	1.71E-09	8.72E-09	1.96E-10	8.92E-09	9.85E-10	2.04E-11	1.01E-09
2620	438141.64	3724802.08	8.32E-09	2.02E-10	8.52E-09	1.70E-09	4.25E-11	1.75E-09	8.91E-09	2.01E-10	9.11E-09	1.01E-09	2.09E-11	1.03E-09
2621	438147.77	3724808.95	8.49E-09	2.06E-10	8.70E-09	1.74E-09	4.34E-11	1.78E-09	9.10E-09	2.05E-10	9.30E-09	1.03E-09	2.13E-11	1.05E-09
2622	438153.9	3724815.83	8.66E-09	2.11E-10	8.87E-09	1.77E-09	4.43E-11	1.82E-09	9.27E-09	2.09E-10	9.48E-09	1.04E-09	2.17E-11	1.07E-09
2623	438160.03	3724822.71	8.83E-09	2.15E-10	9.05E-09	1.81E-09	4.52E-11	1.85E-09	9.46E-09	2.13E-10	9.67E-09	1.07E-09	2.22E-11	1.09E-09
2624	438166.17	3724829.58	9.01E-09	2.20E-10	9.23E-09	1.84E-09	4.61E-11	1.89E-09	9.64E-09	2.18E-10	9.86E-09	1.08E-09	2.26E-11	1.11E-09
2625	438172.3	3724836.46	9.17E-09	2.24E-10	9.39E-09	1.87E-09	4.70E-11	1.92E-09	9.81E-09	2.22E-10	1.00E-08	1.10E-09	2.30E-11	1.13E-09
2626	438178.43	3724843.34	9.32E-09	2.28E-10	9.54E-09	1.90E-09	4.78E-11	1.95E-09	9.97E-09	2.26E-10	1.02E-08	1.12E-09	2.34E-11	1.14E-09
2627	438092.58	3724747.07	6.82E-09	1.65E-10	6.98E-09	1.40E-09	3.51E-11	1.44E-09	7.31E-09	1.66E-10	7.47E-09	8.31E-10	1.73E-11	8.48E-10
2628	438084.83	3724741.73	6.65E-09	1.61E-10	6.82E-09	1.37E-09	3.43E-11	1.40E-09	7.13E-09	1.62E-10	7.30E-09	8.12E-10	1.69E-11	8.29E-10
2629	438077.07	3724736.4	6.49E-09	1.57E-10	6.65E-09	1.34E-09	3.35E-11	1.37E-09	6.96E-09	1.58E-10	7.12E-09	7.93E-10	1.66E-11	8.10E-10
2630	438069.32	3724731.07	6.33E-09	1.53E-10	6.48E-09	1.30E-09	3.27E-11	1.34E-09	6.79E-09	1.54E-10	6.94E-09	7.74E-10	1.62E-11	7.90E-10
2631	438061.56	3724725.74	6.16E-09	1.49E-10	6.31E-09	1.27E-09	3.19E-11	1.30E-09	6.61E-09	1.51E-10	6.76E-09	7.55E-10	1.58E-11	7.71E-10
2632	438053.81	3724720.41	6.00E-09	1.45E-10	6.14E-09	1.24E-09	3.11E-11	1.27E-09	6.43E-09	1.47E-10	6.58E-09	7.36E-10	1.54E-11	7.51E-10
2633	438046.05	3724715.08	5.83E-09	1.41E-10	5.97E-09	1.20E-09	3.03E-11	1.23E-09	6.26E-09	1.43E-10	6.40E-09	7.16E-10	1.50E-11	7.31E-10
2634	438038.3	3724709.75	5.66E-09	1.37E-10	5.80E-09	1.17E-09	2.95E-11	1.20E-09	6.07E-09	1.39E-10	6.21E-09	6.96E-10	1.46E-11	7.11E-10
2635	438030.54	3724704.42	5.48E-09	1.33E-10	5.61E-09	1.13E-09	2.87E-11	1.16E-09	5.88E-09	1.35E-10	6.02E-09	6.75E-10	1.42E-11	6.89E-10
2636	438133.68	3724734.77	6.32E-09	1.56E-10	6.47E-09	1.30E-09	3.34E-11	1.33E-09	6.77E-09	1.57E-10	6.93E-09	7.69E-10	1.65E-11	7.86E-10
2637	438139.82	3724741.67	6.49E-09	1.60E-10	6.65E-09	1.33E-09	3.42E-11	1.37E-09	6.95E-09	1.61E-10	7.11E-09	7.89E-10	1.69E-11	8.06E-10
2638	438145.97	3724748.56	6.65E-09	1.64E-10	6.82E-09	1.37E-09	3.50E-11	1.40E-09	7.13E-09	1.65E-10	7.30E-09	8.08E-10	1.73E-11	8.26E-10
2639	438152.11	3724755.45	6.82E-09	1.68E-10	6.99E-09	1.40E-09	3.59E-11	1.43E-09	7.31E-09	1.69E-10	7.47E-09	8.28E-10	1.77E-11	8.45E-10
2640	438060.96	3724676.78	4.87E-09	1.21E-10	4.99E-09	1.01E-09	2.62E-11	1.03E-09	5.23E-09	1.24E-10	5.35E-09	6.00E-10	1.30E-11	6.13E-10
2641	438053.2	3724671.45	4.74E-09	1.18E-10	4.85E-09	9.77E-10	2.55E-11	1.00E-09	5.08E-09	1.21E-10	5.20E-09	5.83E-10	1.27E-11	5.96E-10
2642	437653.57	3725159.91	2.40E-07	3.03E-09	2.43E-07	4.98E-08	4.62E-10	5.03E-08	2.59E-07	2.16E-09	2.61E-07	2.99E-08	1.87E-10	3.01E-08
2643	437639.26	3725149.64	2.00E-07	1.98E-09	2.01E-07	4.25E-08	3.22E-10	4.28E-08	2.16E-07	1.51E-09	2.18E-07	2.65E-08	1.36E-10	2.66E-08
2644	437688	3725172.33	3.13E-07	4.74E-09	3.18E-07	6.33E-08	6.91E-10	6.39E-08	3.35E-07	3.23E-09	3.38E-07	3.64E-08	2.71E-10	3.67E-08
2645	437673.7	3725162.06	2.51E-07	3.57E-09	2.54E-07	5.12E-08	5.34E-10	5.18E-08	2.69E-07	2.50E-09	2.71E-07	3.00E-08	2.14E-10	3.02E-08
2646	437659.4	3725151.79	1.95E-07	2.46E-09	1.98E-07	4.06E-08	3.86E-10	4.10E-08	2.10E-07	1.80E-09	2.12E-07	2.45E-08	1.60E-10	2.46E-08
2647	437645.1	3725141.52	1.63E-07	1.67E-09	1.65E-07	3.47E-08	2.77E-10	3.50E-08	1.77E-07	1.30E-09	1.78E-07	2.16E-08	1.20E-10	2.18E-08
2648	437693.84	3725164.21	2.51E-07	3.80E-09	2.55E-07	5.09E-08	5.68E-10	5.15E-08	2.69E-07	2.65E-09	2.71E-07	2.94E-08	2.27E-10	2.97E-08

2649	437679.54	3725153.94	2.03E-07	2.89E-09	2.06E-07	4.16E-08	4.43E-10	4.21E-08	2.18E-07	2.07E-09	2.20E-07	2.45E-08	1.81E-10	2.47E-08
2650	437665.23	3725143.67	1.64E-07	2.08E-09	1.66E-07	3.41E-08	3.33E-10	3.45E-08	1.76E-07	1.56E-09	1.78E-07	2.06E-08	1.40E-10	2.08E-08
2651	437650.93	3725133.39	1.37E-07	1.45E-09	1.38E-07	2.91E-08	2.46E-10	2.94E-08	1.48E-07	1.15E-09	1.50E-07	1.82E-08	1.07E-10	1.83E-08
2652	437699.67	3725156.09	2.07E-07	3.15E-09	2.10E-07	4.21E-08	4.80E-10	4.26E-08	2.22E-07	2.24E-09	2.24E-07	2.45E-08	1.95E-10	2.47E-08
2653	437685.37	3725145.82	1.70E-07	2.42E-09	1.73E-07	3.50E-08	3.81E-10	3.54E-08	1.83E-07	1.78E-09	1.84E-07	2.07E-08	1.58E-10	2.08E-08
2654	437671.07	3725135.54	1.41E-07	1.81E-09	1.43E-07	2.95E-08	2.96E-10	2.98E-08	1.52E-07	1.39E-09	1.54E-07	1.79E-08	1.26E-10	1.80E-08
2655	437656.76	3725125.27	1.19E-07	1.30E-09	1.20E-07	2.53E-08	2.24E-10	2.55E-08	1.29E-07	1.05E-09	1.30E-07	1.58E-08	9.88E-11	1.59E-08
2656	437705.51	3725147.97	1.75E-07	2.67E-09	1.78E-07	3.56E-08	4.15E-10	3.61E-08	1.87E-07	1.94E-09	1.89E-07	2.08E-08	1.71E-10	2.10E-08
2657	437691.2	3725137.69	1.48E-07	2.12E-09	1.50E-07	3.05E-08	3.39E-10	3.09E-08	1.59E-07	1.59E-09	1.61E-07	1.81E-08	1.42E-10	1.82E-08
2658	437676.9	3725127.42	1.24E-07	1.61E-09	1.26E-07	2.59E-08	2.68E-10	2.62E-08	1.34E-07	1.26E-09	1.35E-07	1.57E-08	1.15E-10	1.59E-08
2659	437662.6	3725117.15	1.05E-07	1.19E-09	1.06E-07	2.23E-08	2.07E-10	2.25E-08	1.14E-07	9.71E-10	1.15E-07	1.39E-08	9.19E-11	1.40E-08
2660	437711.34	3725139.84	1.53E-07	2.34E-09	1.55E-07	3.12E-08	3.70E-10	3.15E-08	1.64E-07	1.73E-09	1.65E-07	1.82E-08	1.54E-10	1.84E-08
2661	437697.04	3725129.57	1.31E-07	1.89E-09	1.33E-07	2.70E-08	3.07E-10	2.73E-08	1.41E-07	1.44E-09	1.42E-07	1.61E-08	1.30E-10	1.62E-08
2662	437682.73	3725119.3	1.11E-07	1.46E-09	1.12E-07	2.31E-08	2.46E-10	2.34E-08	1.19E-07	1.15E-09	1.20E-07	1.40E-08	1.07E-10	1.41E-08
2663	437668.43	3725109.03	9.68E-08	1.13E-09	9.79E-08	2.05E-08	1.98E-10	2.07E-08	1.05E-07	9.32E-10	1.06E-07	1.27E-08	8.85E-11	1.28E-08
2664	437717.17	3725131.72	1.35E-07	2.07E-09	1.37E-07	2.75E-08	3.33E-10	2.78E-08	1.44E-07	1.56E-09	1.46E-07	1.61E-08	1.41E-10	1.63E-08
2665	437702.87	3725121.45	1.17E-07	1.71E-09	1.19E-07	2.42E-08	2.81E-10	2.45E-08	1.26E-07	1.32E-09	1.27E-07	1.44E-08	1.21E-10	1.45E-08
2666	437688.57	3725111.18	1.01E-07	1.35E-09	1.02E-07	2.10E-08	2.30E-10	2.13E-08	1.09E-07	1.08E-09	1.10E-07	1.28E-08	1.01E-10	1.29E-08
2667	437674.27	3725100.9	9.00E-08	1.09E-09	9.11E-08	1.90E-08	1.92E-10	1.92E-08	9.73E-08	9.02E-10	9.82E-08	1.18E-08	8.59E-11	1.19E-08
2668	437723.01	3725123.6	1.19E-07	1.84E-09	1.21E-07	2.43E-08	3.01E-10	2.46E-08	1.27E-07	1.41E-09	1.29E-07	1.43E-08	1.28E-10	1.44E-08
2669	437708.7	3725113.33	1.06E-07	1.56E-09	1.07E-07	2.18E-08	2.60E-10	2.21E-08	1.14E-07	1.22E-09	1.15E-07	1.30E-08	1.12E-10	1.31E-08
2670	437694.4	3725103.06	9.21E-08	1.26E-09	9.33E-08	1.92E-08	2.17E-10	1.94E-08	9.92E-08	1.02E-09	1.00E-07	1.17E-08	9.56E-11	1.17E-08
2671	437680.1	3725092.78	8.42E-08	1.06E-09	8.52E-08	1.78E-08	1.87E-10	1.80E-08	9.10E-08	8.78E-10	9.19E-08	1.09E-08	8.38E-11	1.10E-08
2672	437728.84	3725115.48	1.05E-07	1.64E-09	1.07E-07	2.15E-08	2.72E-10	2.18E-08	1.12E-07	1.28E-09	1.14E-07	1.27E-08	1.17E-10	1.28E-08
2673	437714.54	3725105.21	9.40E-08	1.40E-09	9.54E-08	1.94E-08	2.37E-10	1.97E-08	1.01E-07	1.11E-09	1.02E-07	1.16E-08	1.04E-10	1.17E-08
2674	437700.23	3725094.93	8.38E-08	1.17E-09	8.50E-08	1.75E-08	2.03E-10	1.77E-08	9.03E-08	9.55E-10	9.13E-08	1.06E-08	9.03E-11	1.07E-08
2675	437685.93	3725084.66	7.56E-08	9.73E-10	7.66E-08	1.59E-08	1.74E-10	1.61E-08	8.17E-08	8.17E-10	8.25E-08	9.82E-09	7.85E-11	9.90E-09
2676	437734.67	3725107.36	9.33E-08	1.47E-09	9.48E-08	1.91E-08	2.48E-10	1.94E-08	1.00E-07	1.16E-09	1.01E-07	1.13E-08	1.08E-10	1.14E-08
2677	437720.37	3725097.08	8.39E-08	1.27E-09	8.52E-08	1.73E-08	2.17E-10	1.76E-08	9.02E-08	1.02E-09	9.12E-08	1.04E-08	9.57E-11	1.05E-08
2678	437706.07	3725086.81	7.59E-08	1.08E-09	7.70E-08	1.58E-08	1.90E-10	1.60E-08	8.18E-08	8.91E-10	8.26E-08	9.59E-09	8.48E-11	9.67E-09
2679	437691.77	3725076.54	6.77E-08	8.97E-10	6.86E-08	1.43E-08	1.62E-10	1.44E-08	7.31E-08	7.62E-10	7.39E-08	8.77E-09	7.36E-11	8.85E-09
2680	437793.01	3725026.13	4.05E-08	7.11E-10	4.12E-08	8.35E-09	1.32E-10	8.48E-09	4.35E-08	6.19E-10	4.41E-08	4.96E-09	6.06E-11	5.02E-09
2681	437778.71	3725015.86	3.66E-08	6.28E-10	3.72E-08	7.57E-09	1.18E-10	7.69E-09	3.93E-08	5.55E-10	3.99E-08	4.53E-09	5.48E-11	4.59E-09
2682	437764.4	3725005.59	3.28E-08	5.50E-10	3.33E-08	6.83E-09	1.05E-10	6.93E-09	3.53E-08	4.95E-10	3.58E-08	4.12E-09	4.92E-11	4.17E-09
2683	437750.1	3724995.32	2.92E-08	4.78E-10	2.97E-08	6.12E-09	9.31E-11	6.21E-09	3.15E-08	4.38E-10	3.19E-08	3.73E-09	4.40E-11	3.77E-09
2684	437804.68	3725009.89	3.51E-08	6.28E-10	3.57E-08	7.23E-09	1.18E-10	7.35E-09	3.77E-08	5.55E-10	3.82E-08	4.30E-09	5.47E-11	4.36E-09
2685	437790.37	3724999.62	3.18E-08	5.59E-10	3.23E-08	6.58E-09	1.06E-10	6.69E-09	3.42E-08	5.01E-10	3.47E-08	3.94E-09	4.97E-11	3.99E-09
2686	437776.07	3724989.35	2.86E-08	4.93E-10	2.91E-08	5.95E-09	9.53E-11	6.04E-09	3.08E-08	4.49E-10	3.12E-08	3.59E-09	4.49E-11	3.63E-09
2687	437761.77	3724979.07	2.55E-08	4.32E-10	2.59E-08	5.33E-09	8.49E-11	5.41E-09	2.75E-08	4.00E-10	2.79E-08	3.24E-09	4.04E-11	3.28E-09
2688	437816.34	3724993.65	3.06E-08	5.59E-10	3.12E-08	6.32E-09	1.06E-10	6.42E-09	3.29E-08	5.01E-10	3.34E-08	3.76E-09	4.97E-11	3.81E-09
2689	437787.74	3724973.1	2.50E-08	4.44E-10	2.55E-08	5.21E-09	8.68E-11	5.30E-09	2.70E-08	4.09E-10	2.74E-08	3.14E-09	4.11E-11	3.18E-09
2690	437773.44	3724962.83	2.24E-08	3.92E-10	2.28E-08	4.68E-09	7.78E-11	4.76E-09	2.41E-08	3.67E-10	2.45E-08	2.84E-09	3.72E-11	2.88E-09
2691	437813.71	3724967.13	2.45E-08	4.51E-10	2.49E-08	5.06E-09	8.78E-11	5.15E-09	2.63E-08	4.13E-10	2.67E-08	3.03E-09	4.15E-11	3.07E-09
2692	437839.68	3724961.16	2.37E-08	4.51E-10	2.42E-08	4.89E-09	8.78E-11	4.98E-09	2.55E-08	4.14E-10	2.59E-08	2.92E-09	4.15E-11	2.96E-09
2693	437825.38	3724950.88	2.17E-08	4.08E-10	2.21E-08	4.49E-09	8.03E-11	4.57E-09	2.33E-08	3.78E-10	2.37E-08	2.69E-09	3.82E-11	2.72E-09
2694	437811.07	3724940.61	1.97E-08	3.67E-10	2.00E-08	4.08E-09	7.30E-11	4.16E-09	2.11E-08	3.44E-10	2.15E-08	2.46E-09	3.49E-11	2.49E-09
2695	437796.77	3724930.34	1.77E-08	3.28E-10	1.80E-08	3.69E-09	6.61E-11	3.76E-09	1.91E-08	3.12E-10	1.94E-08	2.23E-09	3.18E-11	2.27E-09
2696	437851.34	3724944.91	2.11E-08	4.09E-10	2.15E-08	4.35E-09	8.04E-11	4.43E-09	2.26E-08	3.79E-10	2.30E-08	2.59E-09	3.82E-11	2.63E-09
2697	437837.04	3724934.64	1.93E-08	3.72E-10	1.97E-08	4.00E-09	7.38E-11	4.07E-09	2.08E-08	3.48E-10	2.11E-08	2.40E-09	3.52E-11	2.43E-09
2698	437822.74	3724924.37	1.76E-08	3.36E-10	1.79E-08	3.65E-09	6.74E-11	3.72E-09	1.89E-08	3.18E-10	1.92E-08	2.20E-09	3.24E-11	2.23E-09
2699	437808.44	3724914.1	1.59E-08	3.02E-10	1.62E-08	3.31E-09	6.13E-11	3.37E-09	1.71E-08	2.89E-10	1.74E-08	2.00E-09	2.96E-11	2.03E-09
2700	437868.85	3724920.55	1.78E-08	3.56E-10	1.82E-08	3.68E-09	7.09E-11	3.75E-09	1.92E-08	3.34E-10	1.95E-08	2.20E-09	3.39E-11	2.23E-09
2701	437854.54	3724910.27	1.64E-08	3.25E-10	1.67E-08	3.39E-09	6.54E-11	3.46E-09	1.76E-08	3.08E-10	1.79E-08	2.03E-09	3.14E-11	2.06E-09
2702	437840.24	3724900	1.50E-08	2.96E-10	1.53E-08	3.11E-09	6.01E-11	3.17E-09	1.61E-08	2.83E-10	1.64E-08	1.87E-09	2.90E-11	1.90E-09
2703	437825.94	3724889.73	1.36E-08	2.68E-10	1.39E-08	2.84E-09	5.50E-11	2.89E-09	1.47E-08	2.59E-10	1.49E-08	1.71E-09	2.67E-11	1.74E-09
2704	437886.35	3724896.18	1.53E-08	3.13E-10	1.56E-08	3.15E-09	6.31E-11	3.21E-09	1.64E-08	2.97E-10	1.67E-08	1.88E-09	3.04E-11	1.91E-09
2705	437872.04	3724885.91	1.41E-08	2.87E-10	1.44E-08	2.91E-09	5.84E-11	2.97E-09	1.51E-08	2.75E-10	1.54E-08	1.74E-09	2.82E-11	1.77E-09
2706	437857.74	3724875.64	1.29E-08	2.63E-10	1.32E-08	2.68E-09	5.39E-11	2.73E-09	1.39E-08	2.54E-10	1.41E-08	1.61E-09	2.62E-11	1.63E-09
2707	437843.44	3724865.36	1.18E-08	2.40E-10	1.20E-08	2.45E-09	4.96E-11	2.50E-09	1.27E-08	2.34E-10	1.29E-08	1.48E-09	2.42E-11	1.50E-09
2708	437899.89	3724832.04	1.02E-08	2.20E-10	1.05E-08	2.12E-09	4.58E-11	2.17E-09	1.10E-08	2.16E-10	1.12E-08	1.27E-09	2.24E-11	1.29E-09
2709	437885.59	3724821.77	9.45E-09	2.03E-10	9.66E-09	1.96E-09	4.26E-11	2.00E-09	1.02E-08	2.01E-10	1.04E-08	1.18E-09	2.09E-11	1.20E-09
2710	437931.7	3724817.94	9.72E-09	2.14E-10	9.94E-09	2.01E-09	4.46E-11	2.05E-09	1.04E-08	2.10E-10	1.06E-08	1.20E-09	2.18E-11	1.22E-09
2711	437917.39	3724807.67	9.03E-09	1.99E-10	9.23E-09	1.87E-09	4.17E-11	1.91E-09	9.70E-09	1.97E-10	9.90E-09	1.12E-09	2.04E-11	1.14E-09
2712	437903.09	3724797.4	8.36E-09	1.84E-10	8.54E-09	1.73E-09	3.89E-11	1.77E-09	8.98E-09	1.83E-10	9.16E-09	1.04E-09	1.91E-11	1.06E-09
2713	437949.2	3724793.58	8.60E-09	1.94E-10	8.79E-09	1.78E-09	4.07E-11	1.82E-09	9.23E-09	1.92E-10	9.42E-09	1.06E-09	2.00E-11	1.08E-09
2714	437934.9	3724783.31	8.01E-09	1.81E-10	8.19E-09	1.66E-09	3.81E-11	1.69E-09	8.60E-09	1.80E-10	8.78E-09	9.90E-10	1.88E-11	1.01E-09
2715	437920.59	3724773.03	7.44E-09	1.68E-10	7.60E-09	1.54E-09	3.57E-11	1.58E-09	7.99E-09	1.68E-10	8.16E-09	9.23E-10	1.76E-11	9.40E-10
2716	437966.7	3724769.21	7.53E-09	1.73E-10	7.70E-09	1.55E-09	3.66E-11	1.59E-09	8.08E-09	1.73E-10	8.26E-09	9.28E-10	1.80E-11	9.46E-10
2717	437952.4	3724758.94	7.08E-09	1.63E-10	7.24E-09	1.46E-09	3.46E-11	1.50E-09	7.60E-09	1.63E-10	7.77E-09	8.75E-10	1.71E-11	8.92E-10
2718	437938.09	3724748.67	6.61E-09	1.52E-10	6.76E-09	1.37E-09	3.26E-11	1.40E-09	7.10E-09	1.54E-10	7.25E-09	8.20E-10	1.61E-11	8.36E-10
2719	437955.59	3724724.3	5.78E-09	1.36E-10	5.91E-09	1.20E-09	2.93E-11	1.23E-09	6.21E-09	1.38E-10	6.34E-09	7.17E-10	1.46E-11	7.31E-10
2720	438019.2	3724696.11	5.20E-09	1.27E-10	5.33E-09	1.07E-09	2.74E-11	1.10E-09	5.58E-09	1.29E-10	5.71E-09	6.42E-10	1.36E-11	6.55E-10
2721	438004.9	3724685.84	4.84E-09	1.18E-10	4.96E-09	1.00E-09	2.57E-11	1.03E-09	5.20E-09	1.21E-10	5.32E-09	5.99E-10	1.28E-11	6.11E-10
2722	438042.54	3724663.62	4.53E-09	1.13E-10	4.64E-09	9.35E-10	2.45E-11	9.59E-10	4.86E-09	1.16E-10	4.97E-09	5.58E-10	1.22E-11	5.71E-10
2723	437619.57	3725132.86	1.84E-07	1.15E-09	1.85E-07	4.04E-08	2.04E-10	4.06E-08	2.01E-07	9.60E-10	2.02E-07	2.63E-08	9.18E-11	2.64E-08
2724	437614.95	3725124.56	1.65E-07	9.55E-10	1.66E-07	3.65E-08	1.74E-10	3.67E-08	1.81E-07	8.20E-10	1.82E-07	2.39E-08	7.97E-11	2.40E-08
2725	437607.77	3725117.32	1.60E-07	8.26E-10	1.61E-07	3.54E-08	1.54E-10	3.56E-08	1.75E-07	7.25E-10	1.76E-07	2.33E-08	7.12E-11	2.34E-08
2726	437623.1	3725110.99	1.16E-07	7.97E-10	1.17E-07	2.55E-08	1.49E-10	2.57E-08	1.27E-07	7.01E-10	1.28E-07	1.66E-08	6.91E-11	1.67E-08

2727	437638.72	3725110.16	1.03E-07	8.84E-10	1.04E-07	2.25E-08	1.62E-10	2.26E-08	1.13E-07	7.63E-10	1.13E-07	1.44E-08	7.44E-11	1.45E-08
2728	437600.8	3725109.99	1.57E-07	7.46E-10	1.57E-07	3.49E-08	1.41E-10	3.50E-08	1.72E-07	6.63E-10	1.73E-07	2.31E-08	6.56E-11	2.31E-08
2729	437615.52	3725103.92	1.13E-07	7.06E-10	1.14E-07	2.50E-08	1.35E-10	2.51E-08	1.24E-07	6.33E-10	1.25E-07	1.64E-08	6.29E-11	1.64E-08
2730	437637.87	3725100.08	9.34E-08	7.91E-10	9.42E-08	2.03E-08	1.48E-10	2.05E-08	1.02E-07	6.94E-10	1.03E-07	1.31E-08	6.83E-11	1.31E-08
2731	437593.93	3725102.62	1.50E-07	6.63E-10	1.50E-07	3.33E-08	1.27E-10	3.35E-08	1.64E-07	5.98E-10	1.65E-07	2.21E-08	5.97E-11	2.22E-08
2732	437608.24	3725096.72	1.10E-07	6.38E-10	1.10E-07	2.43E-08	1.23E-10	2.44E-08	1.20E-07	5.80E-10	1.21E-07	1.60E-08	5.80E-11	1.60E-08
2733	437622.55	3725090.81	8.85E-08	6.35E-10	8.91E-08	1.95E-08	1.23E-10	1.96E-08	9.68E-08	5.78E-10	9.74E-08	1.27E-08	5.78E-11	1.27E-08
2734	437637.13	3725090.03	8.44E-08	7.21E-10	8.51E-08	1.84E-08	1.36E-10	1.85E-08	9.20E-08	6.41E-10	9.26E-08	1.18E-08	6.35E-11	1.19E-08
2735	437588.29	3725094.74	1.34E-07	5.83E-10	1.35E-07	3.00E-08	1.13E-10	3.01E-08	1.48E-07	5.34E-10	1.48E-07	1.99E-08	5.36E-11	2.00E-08
2736	437604.64	3725088	9.77E-08	5.75E-10	9.82E-08	2.16E-08	1.12E-10	2.17E-08	1.07E-07	5.29E-10	1.08E-07	1.42E-08	5.32E-11	1.43E-08
2737	437620.99	3725081.25	7.80E-08	5.74E-10	7.86E-08	1.72E-08	1.12E-10	1.73E-08	8.53E-08	5.28E-10	8.59E-08	1.12E-08	5.32E-11	1.12E-08
2738	437637.66	3725080.36	7.52E-08	6.65E-10	7.59E-08	1.64E-08	1.27E-10	1.65E-08	8.20E-08	5.97E-10	8.26E-08	1.05E-08	5.94E-11	1.06E-08
2739	437654.63	3725085.33	7.82E-08	8.02E-10	7.90E-08	1.68E-08	1.48E-10	1.70E-08	8.50E-08	6.98E-10	8.57E-08	1.07E-08	6.83E-11	1.07E-08
2740	437581.33	3725087.41	1.21E-07	5.17E-10	1.22E-07	2.71E-08	1.02E-10	2.72E-08	1.33E-07	4.79E-10	1.34E-07	1.80E-08	4.84E-11	1.81E-08
2741	437597.1	3725080.9	9.18E-08	5.20E-10	9.24E-08	2.04E-08	1.03E-10	2.05E-08	1.01E-07	4.83E-10	1.01E-07	1.34E-08	4.89E-11	1.35E-08
2742	437612.87	3725074.39	7.44E-08	5.26E-10	7.50E-08	1.64E-08	1.04E-10	1.65E-08	8.14E-08	4.89E-10	8.19E-08	1.07E-08	4.94E-11	1.08E-08
2743	437636.82	3725070.28	6.54E-08	5.84E-10	6.60E-08	1.43E-08	1.13E-10	1.44E-08	7.13E-08	5.34E-10	7.19E-08	9.18E-09	5.36E-11	9.23E-09
2744	437669.56	3725079.87	7.15E-08	8.24E-10	7.23E-08	1.53E-08	1.51E-10	1.54E-08	7.75E-08	7.12E-10	7.82E-08	9.55E-09	6.94E-11	9.62E-09
2745	437566.77	3725096.63	1.93E-07	5.37E-10	1.93E-07	4.33E-08	1.05E-10	4.34E-08	2.12E-07	4.92E-10	2.12E-07	2.91E-08	4.95E-11	2.91E-08
2746	437574.45	3725080.04	1.09E-07	4.63E-10	1.10E-07	2.44E-08	9.18E-11	2.45E-08	1.20E-07	4.33E-10	1.21E-07	1.63E-08	4.38E-11	1.63E-08
2747	437589.78	3725073.72	8.45E-08	4.64E-10	8.49E-08	1.88E-08	9.25E-11	1.89E-08	9.27E-08	4.36E-10	9.31E-08	1.24E-08	4.43E-11	1.24E-08
2748	437605.11	3725067.39	6.91E-08	4.68E-10	6.96E-08	1.53E-08	9.35E-11	1.54E-08	7.57E-08	4.41E-10	7.61E-08	1.00E-08	4.48E-11	1.01E-08
2749	437560.1	3725089.18	1.68E-07	4.81E-10	1.69E-07	3.78E-08	9.42E-11	3.79E-08	1.85E-07	4.44E-10	1.85E-07	2.54E-08	4.47E-11	2.54E-08
2750	437561.63	3725064.92	8.34E-08	3.78E-10	8.38E-08	1.86E-08	7.58E-11	1.87E-08	9.17E-08	3.57E-10	9.20E-08	1.24E-08	3.64E-11	1.24E-08
2751	437577.98	3725058.17	6.57E-08	3.77E-10	6.61E-08	1.46E-08	7.63E-11	1.47E-08	7.20E-08	3.60E-10	7.24E-08	9.64E-09	3.68E-11	9.67E-09
2752	437594.33	3725051.43	5.48E-08	3.78E-10	5.52E-08	1.21E-08	7.71E-11	1.22E-08	6.01E-08	3.63E-10	6.04E-08	7.96E-09	3.73E-11	8.00E-09
2753	437546.77	3725074.27	1.23E-07	3.93E-10	1.24E-07	2.77E-08	7.76E-11	2.77E-08	1.35E-07	3.65E-10	1.36E-07	1.85E-08	3.70E-11	1.86E-08
2754	437547.93	3725050.16	5.88E-08	3.15E-10	5.91E-08	1.31E-08	6.33E-11	1.31E-08	6.45E-08	2.98E-10	6.48E-08	8.65E-09	3.04E-11	8.68E-09
2755	437563.54	3725043.72	5.04E-08	3.12E-10	5.07E-08	1.12E-08	6.37E-11	1.13E-08	5.53E-08	3.00E-10	5.56E-08	7.37E-09	3.08E-11	7.40E-09
2756	437533.44	3725059.36	7.72E-08	3.26E-10	7.75E-08	1.73E-08	6.47E-11	1.73E-08	8.49E-08	3.05E-10	8.52E-08	1.15E-08	3.09E-11	1.15E-08
2757	437699.17	3724980.41	2.30E-08	3.38E-10	2.33E-08	4.90E-09	6.91E-11	4.97E-09	2.49E-08	3.26E-10	2.52E-08	3.06E-09	3.35E-11	3.09E-09
2758	437716.15	3724985.38	2.50E-08	3.81E-10	2.54E-08	5.30E-09	7.67E-11	5.38E-09	2.71E-08	3.62E-10	2.74E-08	3.28E-09	3.69E-11	3.32E-09
2759	437733.12	3724990.35	2.71E-08	4.29E-10	2.75E-08	5.71E-09	8.47E-11	5.79E-09	2.93E-08	3.99E-10	2.97E-08	3.51E-09	4.04E-11	3.55E-09
2760	437662.9	3724950.13	1.53E-08	2.22E-10	1.55E-08	3.29E-09	4.78E-11	3.33E-09	1.66E-08	2.26E-10	1.68E-08	2.08E-09	2.37E-11	2.10E-09
2761	437679.38	3724954.95	1.69E-08	2.50E-10	1.71E-08	3.61E-09	5.29E-11	3.67E-09	1.83E-08	2.50E-10	1.85E-08	2.28E-09	2.61E-11	2.30E-09
2762	437695.86	3724959.78	1.85E-08	2.80E-10	1.88E-08	3.94E-09	5.85E-11	4.00E-09	2.00E-08	2.76E-10	2.03E-08	2.47E-09	2.87E-11	2.50E-09
2763	437712.34	3724964.6	2.02E-08	3.14E-10	2.05E-08	4.28E-09	6.46E-11	4.35E-09	2.18E-08	3.05E-10	2.21E-08	2.66E-09	3.14E-11	2.69E-09
2764	437728.81	3724969.43	2.19E-08	3.51E-10	2.23E-08	4.63E-09	7.11E-11	4.70E-09	2.37E-08	3.35E-10	2.40E-08	2.86E-09	3.43E-11	2.89E-09
2765	437745.29	3724974.25	2.37E-08	3.91E-10	2.41E-08	4.97E-09	7.79E-11	5.05E-09	2.55E-08	3.67E-10	2.59E-08	3.05E-09	3.73E-11	3.08E-09
2766	437466.76	3725011.66	1.38E-08	1.87E-10	1.39E-08	2.92E-09	3.64E-11	2.96E-09	1.49E-08	1.71E-10	1.51E-08	1.82E-09	1.72E-11	1.84E-09
2767	437453.4	3725023.61	1.49E-08	1.97E-10	1.51E-08	3.17E-09	3.79E-11	3.21E-09	1.61E-08	1.79E-10	1.63E-08	1.97E-09	1.78E-11	1.99E-09
2768	437440.04	3725035.55	1.60E-08	2.06E-10	1.62E-08	3.40E-09	3.95E-11	3.44E-09	1.73E-08	1.86E-10	1.75E-08	2.12E-09	1.85E-11	2.14E-09
2769	437481.65	3724975.46	9.72E-09	1.51E-10	9.87E-09	2.05E-09	3.00E-11	2.08E-09	1.05E-08	1.41E-10	1.06E-08	1.27E-09	1.43E-11	1.28E-09
2770	437498.01	3724968.71	9.64E-09	1.49E-10	9.79E-09	2.04E-09	3.00E-11	2.07E-09	1.04E-08	1.41E-10	1.06E-08	1.27E-09	1.44E-11	1.28E-09
2771	437514.36	3724961.96	9.60E-09	1.46E-10	9.74E-09	2.04E-09	3.00E-11	2.07E-09	1.04E-08	1.42E-10	1.05E-08	1.27E-09	1.46E-11	1.29E-09
2772	437646.11	3724925.56	1.12E-08	1.73E-10	1.14E-08	2.41E-09	3.80E-11	2.45E-09	1.22E-08	1.79E-10	1.24E-08	1.53E-09	1.90E-11	1.55E-09
2773	437663.09	3724930.53	1.25E-08	1.93E-10	1.27E-08	2.69E-09	4.20E-11	2.73E-09	1.36E-08	1.98E-10	1.38E-08	1.70E-09	2.09E-11	1.72E-09
2774	437680.06	3724935.49	1.39E-08	2.17E-10	1.41E-08	2.98E-09	4.65E-11	3.02E-09	1.51E-08	2.20E-10	1.53E-08	1.87E-09	2.31E-11	1.90E-09
2775	437697.04	3724940.46	1.53E-08	2.43E-10	1.56E-08	3.27E-09	5.14E-11	3.32E-09	1.66E-08	2.43E-10	1.69E-08	2.05E-09	2.53E-11	2.07E-09
2776	437714.02	3724945.43	1.68E-08	2.72E-10	1.71E-08	3.58E-09	5.67E-11	3.63E-09	1.82E-08	2.68E-10	1.85E-08	2.22E-09	2.78E-11	2.25E-09
2777	437730.99	3724950.4	1.84E-08	3.04E-10	1.87E-08	3.89E-09	6.25E-11	3.95E-09	1.99E-08	2.95E-10	2.02E-08	2.40E-09	3.03E-11	2.43E-09
2778	437747.97	3724955.37	2.00E-08	3.38E-10	2.03E-08	4.21E-09	6.85E-11	4.28E-09	2.16E-08	3.23E-10	2.19E-08	2.58E-09	3.30E-11	2.61E-09
2779	437466.8	3724984.8	1.02E-08	1.57E-10	1.04E-08	2.15E-09	3.07E-11	2.18E-09	1.10E-08	1.45E-10	1.12E-08	1.32E-09	1.46E-11	1.34E-09
2780	437453.43	3724996.75	1.11E-08	1.65E-10	1.12E-08	2.33E-09	3.20E-11	2.37E-09	1.20E-08	1.51E-10	1.21E-08	1.44E-09	1.51E-11	1.45E-09
2781	437440.07	3725008.7	1.20E-08	1.74E-10	1.21E-08	2.53E-09	3.34E-11	2.56E-09	1.29E-08	1.57E-10	1.31E-08	1.56E-09	1.57E-11	1.58E-09
2782	437426.71	3725020.64	1.28E-08	1.81E-10	1.30E-08	2.71E-09	3.48E-11	2.75E-09	1.39E-08	1.64E-10	1.40E-08	1.68E-09	1.63E-11	1.69E-09
2783	437468.12	3724960.63	8.09E-09	1.34E-10	8.22E-09	1.70E-09	2.66E-11	1.72E-09	8.73E-09	1.25E-10	8.85E-09	1.04E-09	1.27E-11	1.05E-09
2784	437484.06	3724954.05	7.92E-09	1.32E-10	8.05E-09	1.66E-09	2.65E-11	1.69E-09	8.54E-09	1.25E-10	8.67E-09	1.02E-09	1.27E-11	1.03E-09
2785	437500.01	3724947.47	7.79E-09	1.30E-10	7.92E-09	1.64E-09	2.65E-11	1.67E-09	8.42E-09	1.25E-10	8.55E-09	1.01E-09	1.28E-11	1.03E-09
2786	437515.95	3724940.89	7.72E-09	1.28E-10	7.84E-09	1.63E-09	2.65E-11	1.66E-09	8.35E-09	1.25E-10	8.47E-09	1.01E-09	1.29E-11	1.03E-09
2787	437531.89	3724934.31	7.68E-09	1.26E-10	7.80E-09	1.63E-09	2.66E-11	1.66E-09	8.31E-09	1.26E-10	8.44E-09	1.02E-09	1.31E-11	1.03E-09
2788	437660.96	3724910.24	1.02E-08	1.67E-10	1.04E-08	2.19E-09	3.67E-11	2.23E-09	1.11E-08	1.73E-10	1.13E-08	1.38E-09	1.84E-11	1.40E-09
2789	437677.51	3724915.09	1.14E-08	1.86E-10	1.15E-08	2.43E-09	4.04E-11	2.47E-09	1.23E-08	1.91E-10	1.25E-08	1.53E-09	2.01E-11	1.55E-09
2790	437694.06	3724919.93	1.25E-08	2.07E-10	1.28E-08	2.68E-09	4.44E-11	2.72E-09	1.36E-08	2.10E-10	1.38E-08	1.67E-09	2.20E-11	1.70E-09
2791	437710.62	3724924.78	1.38E-08	2.30E-10	1.40E-08	2.93E-09	4.88E-11	2.98E-09	1.49E-08	2.30E-10	1.52E-08	1.83E-09	2.41E-11	1.85E-09
2792	437727.17	3724929.62	1.51E-08	2.56E-10	1.54E-08	3.20E-09	5.35E-11	3.25E-09	1.63E-08	2.52E-10	1.66E-08	1.98E-09	2.62E-11	2.01E-09
2793	437743.72	3724934.47	1.64E-08	2.83E-10	1.67E-08	3.47E-09	5.85E-11	3.52E-09	1.78E-08	2.76E-10	1.80E-08	2.13E-09	2.85E-11	2.16E-09
2794	437760.27	3724939.32	1.78E-08	3.12E-10	1.81E-08	3.74E-09	6.36E-11	3.80E-09	1.92E-08	3.00E-10	1.95E-08	2.29E-09	3.08E-11	2.32E-09
2795	437453.47	3724969.89	8.54E-09	1.39E-10	8.68E-09	1.79E-09	2.73E-11	1.82E-09	9.21E-09	1.28E-10	9.34E-09	1.09E-09	1.29E-11	1.11E-09
2796	437440.1	3724981.84	9.26E-09	1.47E-10	9.41E-09	1.94E-09	2.85E-11	1.97E-09	9.99E-09	1.34E-10	1.01E-08	1.19E-09	1.34E-11	1.20E-09
2797	437426.74	3724993.79	1.00E-08	1.54E-10	1.02E-08	2.10E-09	2.97E-11	2.13E-09	1.08E-08	1.40E-10	1.09E-08	1.29E-09	1.40E-11	1.30E-09
2798	437413.38	3725005.73	1.07E-08	1.61E-10	1.08E-08	2.25E-09	3.10E-11	2.28E-09	1.15E-08	1.46E-10	1.17E-08	1.38E-09	1.46E-11	1.39E-09
2799	437454.99	3724945.64	6.94E-09	1.21E-10	7.06E-09	1.45E-09	2.38E-11	1.47E-09	7.48E-09	1.12E-10	7.59E-09	8.79E-10	1.13E-11	8.91E-10
2800	437471.35	3724938.89	6.72E-09	1.18E-10	6.84E-09	1.41E-09	2.36E-11	1.43E-09	7.24E-09	1.11E-10	7.35E-09	8.55E-10	1.13E-11	8.66E-10
2801	437487.7	3724932.14	6.55E-09	1.16E-10	6.66E-09	1.37E-09	2.35E-11	1.40E-09	7.06E-09	1.11E-10	7.17E-09	8.39E-10	1.14E-11	8.50E-10
2802	437504.05	3724925.39	6.43E-09	1.14E-10	6.54E-09	1.35E-09	2.35E-11	1.38E-09	6.94E-09	1.11E-10	7.05E-09	8.30E-10	1.15E-11	8.41E-10
2803	437520.4	3724918.65	6.34E-09	1.12E-10	6.45E-09	1.34E-09	2.36E-11	1.36E-09	6.85E-09	1.11E-10	6.96E-09	8.26E-10	1.16E-11	8.38E-10
2804	437602.16	3724884.91	6.38E-09	1.13E-10	6.50E-09	1.37E-09	2.53E-11	1.39E-09	6.92E-09	1.19E-10	7.04E-09	8.58E-10	1.27E-11	8.71E-10

2805	437677.93	3724895.55	9.52E-09	1.64E-10	9.69E-09	2.03E-09	3.59E-11	2.07E-09	1.03E-08	1.70E-10	1.05E-08	1.28E-09	1.80E-11	1.29E-09
2806	437694.91	3724900.52	1.06E-08	1.82E-10	1.08E-08	2.25E-09	3.95E-11	2.29E-09	1.14E-08	1.86E-10	1.16E-08	1.41E-09	1.97E-11	1.43E-09
2807	437711.89	3724905.49	1.17E-08	2.02E-10	1.19E-08	2.48E-09	4.34E-11	2.52E-09	1.26E-08	2.05E-10	1.28E-08	1.54E-09	2.15E-11	1.57E-09
2808	437728.86	3724910.46	1.28E-08	2.24E-10	1.31E-08	2.72E-09	4.75E-11	2.76E-09	1.39E-08	2.24E-10	1.41E-08	1.68E-09	2.34E-11	1.70E-09
2809	437745.84	3724915.43	1.40E-08	2.49E-10	1.43E-08	2.96E-09	5.19E-11	3.01E-09	1.51E-08	2.45E-10	1.54E-08	1.82E-09	2.54E-11	1.85E-09
2810	437440.14	3724954.98	7.35E-09	1.25E-10	7.48E-09	1.54E-09	2.44E-11	1.56E-09	7.92E-09	1.15E-10	8.04E-09	9.31E-10	1.16E-11	9.43E-10
2811	437426.77	3724966.93	7.96E-09	1.32E-10	8.09E-09	1.66E-09	2.56E-11	1.69E-09	8.57E-09	1.20E-10	8.69E-09	1.01E-09	1.21E-11	1.02E-09
2812	437413.41	3724978.88	8.56E-09	1.38E-10	8.69E-09	1.79E-09	2.67E-11	1.82E-09	9.22E-09	1.26E-10	9.35E-09	1.09E-09	1.26E-11	1.10E-09
2813	437400.05	3724990.82	9.11E-09	1.45E-10	9.25E-09	1.91E-09	2.79E-11	1.94E-09	9.82E-09	1.32E-10	9.95E-09	1.16E-09	1.31E-11	1.18E-09
2814	437441.49	3724930.8	6.08E-09	1.09E-10	6.19E-09	1.27E-09	2.15E-11	1.29E-09	6.54E-09	1.01E-10	6.65E-09	7.64E-10	1.02E-11	7.74E-10
2815	437457.48	3724924.2	5.86E-09	1.07E-10	5.97E-09	1.22E-09	2.13E-11	1.24E-09	6.31E-09	1.00E-10	6.41E-09	7.38E-10	1.02E-11	7.48E-10
2816	437473.48	3724917.6	5.67E-09	1.05E-10	5.77E-09	1.18E-09	2.11E-11	1.20E-09	6.10E-09	9.96E-11	6.20E-09	7.17E-10	1.02E-11	7.27E-10
2817	437489.48	3724911	5.51E-09	1.03E-10	5.62E-09	1.15E-09	2.11E-11	1.17E-09	5.94E-09	9.93E-11	6.04E-09	7.02E-10	1.02E-11	7.12E-10
2818	437505.47	3724904.39	5.40E-09	1.01E-10	5.50E-09	1.13E-09	2.10E-11	1.15E-09	5.82E-09	9.93E-11	5.92E-09	6.93E-10	1.03E-11	7.03E-10
2819	437585.45	3724871.39	5.31E-09	9.95E-11	5.41E-09	1.13E-09	2.22E-11	1.15E-09	5.75E-09	1.05E-10	5.86E-09	7.07E-10	1.12E-11	7.18E-10
2820	437601.45	3724864.79	5.36E-09	1.01E-10	5.46E-09	1.14E-09	2.26E-11	1.17E-09	5.81E-09	1.07E-10	5.92E-09	7.16E-10	1.14E-11	7.27E-10
2821	437625.75	3724860.62	5.73E-09	1.07E-10	5.84E-09	1.22E-09	2.42E-11	1.25E-09	6.21E-09	1.14E-10	6.32E-09	7.67E-10	1.22E-11	7.79E-10
2822	437692.18	3724880.06	8.78E-09	1.58E-10	8.94E-09	1.87E-09	3.46E-11	1.90E-09	9.51E-09	1.63E-10	9.67E-09	1.17E-09	1.73E-11	1.18E-09
2823	437708.79	3724884.93	9.70E-09	1.74E-10	9.87E-09	2.06E-09	3.78E-11	2.10E-09	1.05E-08	1.79E-10	1.07E-08	1.28E-09	1.88E-11	1.30E-09
2824	437725.4	3724889.79	1.07E-08	1.93E-10	1.09E-08	2.26E-09	4.13E-11	2.30E-09	1.15E-08	1.95E-10	1.17E-08	1.40E-09	2.05E-11	1.42E-09
2825	437742.01	3724894.65	1.17E-08	2.12E-10	1.19E-08	2.47E-09	4.50E-11	2.51E-09	1.26E-08	2.13E-10	1.28E-08	1.52E-09	2.22E-11	1.54E-09
2826	437775.22	3724904.37	1.38E-08	2.56E-10	1.40E-08	2.89E-09	5.30E-11	2.94E-09	1.49E-08	2.50E-10	1.51E-08	1.76E-09	2.58E-11	1.79E-09
2827	437791.83	3724909.23	1.48E-08	2.78E-10	1.51E-08	3.10E-09	5.71E-11	3.16E-09	1.60E-08	2.69E-10	1.63E-08	1.88E-09	2.77E-11	1.91E-09
2828	437426.81	3724940.07	6.44E-09	1.13E-10	6.56E-09	1.34E-09	2.21E-11	1.36E-09	6.94E-09	1.04E-10	7.04E-09	8.10E-10	1.05E-11	8.21E-10
2829	437413.45	3724952.02	6.95E-09	1.19E-10	7.07E-09	1.45E-09	2.31E-11	1.47E-09	7.49E-09	1.09E-10	7.60E-09	8.77E-10	1.09E-11	8.87E-10
2830	437400.08	3724963.96	7.45E-09	1.25E-10	7.58E-09	1.56E-09	2.42E-11	1.58E-09	8.03E-09	1.14E-10	8.14E-09	9.43E-10	1.14E-11	9.54E-10
2831	437386.72	3724975.91	7.91E-09	1.31E-10	8.04E-09	1.65E-09	2.54E-11	1.68E-09	8.52E-09	1.19E-10	8.64E-09	1.00E-09	1.20E-11	1.02E-09
2832	437421.59	3724908.39	5.12E-09	9.51E-11	5.21E-09	1.06E-09	1.87E-11	1.08E-09	5.50E-09	8.81E-11	5.59E-09	6.37E-10	8.90E-12	6.46E-10
2833	437437.78	3724901.71	4.91E-09	9.28E-11	5.00E-09	1.02E-09	1.84E-11	1.04E-09	5.28E-09	8.69E-11	5.36E-09	6.11E-10	8.81E-12	6.20E-10
2834	437453.97	3724895.03	4.71E-09	9.06E-11	4.80E-09	9.78E-10	1.82E-11	9.96E-10	5.07E-09	8.58E-11	5.15E-09	5.88E-10	8.76E-12	5.97E-10
2835	437470.15	3724888.35	4.54E-09	8.85E-11	4.62E-09	9.43E-10	1.81E-11	9.61E-10	4.88E-09	8.51E-11	4.96E-09	5.69E-10	8.74E-12	5.78E-10
2836	437486.34	3724881.67	4.39E-09	8.68E-11	4.48E-09	9.15E-10	1.80E-11	9.33E-10	4.73E-09	8.48E-11	4.81E-09	5.54E-10	8.76E-12	5.63E-10
2837	437502.53	3724874.99	4.28E-09	8.53E-11	4.36E-09	8.95E-10	1.80E-11	9.13E-10	4.61E-09	8.47E-11	4.70E-09	5.44E-10	8.82E-12	5.53E-10
2838	437567.28	3724848.27	4.15E-09	8.37E-11	4.23E-09	8.78E-10	1.86E-11	8.96E-10	4.48E-09	8.79E-11	4.57E-09	5.44E-10	9.37E-12	5.53E-10
2839	437583.47	3724841.59	4.18E-09	8.45E-11	4.26E-09	8.86E-10	1.90E-11	9.05E-10	4.52E-09	8.96E-11	4.61E-09	5.51E-10	9.58E-12	5.60E-10
2840	437599.66	3724834.91	4.22E-09	8.57E-11	4.31E-09	8.97E-10	1.93E-11	9.16E-10	4.57E-09	9.14E-11	4.66E-09	5.59E-10	9.80E-12	5.68E-10
2841	437624.25	3724830.69	4.51E-09	9.10E-11	4.60E-09	9.59E-10	2.06E-11	9.80E-10	4.88E-09	9.75E-11	4.98E-09	5.99E-10	1.05E-11	6.09E-10
2842	437641.06	3724835.61	5.01E-09	9.92E-11	5.11E-09	1.07E-09	2.24E-11	1.09E-09	5.42E-09	1.06E-10	5.53E-09	6.66E-10	1.14E-11	6.78E-10
2843	437657.87	3724840.53	5.57E-09	1.09E-10	5.68E-09	1.19E-09	2.45E-11	1.21E-09	6.03E-09	1.16E-10	6.15E-09	7.42E-10	1.24E-11	7.54E-10
2844	437725.1	3724860.21	8.41E-09	1.59E-10	8.57E-09	1.78E-09	3.47E-11	1.81E-09	9.09E-09	1.64E-10	9.25E-09	1.10E-09	1.73E-11	1.12E-09
2845	437741.9	3724865.13	9.24E-09	1.75E-10	9.41E-09	1.95E-09	3.78E-11	1.99E-09	9.98E-09	1.79E-10	1.02E-08	1.20E-09	1.88E-11	1.22E-09
2846	437775.52	3724874.97	1.10E-08	2.10E-10	1.12E-08	2.30E-09	4.44E-11	2.35E-09	1.18E-08	2.10E-10	1.20E-08	1.41E-09	2.18E-11	1.43E-09
2847	437792.32	3724879.89	1.19E-08	2.29E-10	1.21E-08	2.48E-09	4.79E-11	2.53E-09	1.28E-08	2.26E-10	1.30E-08	1.51E-09	2.34E-11	1.53E-09
2848	437809.13	3724884.81	1.27E-08	2.48E-10	1.30E-08	2.66E-09	5.14E-11	2.71E-09	1.37E-08	2.42E-10	1.40E-08	1.61E-09	2.51E-11	1.64E-09
2849	437406.81	3724917.71	5.42E-09	9.88E-11	5.52E-09	1.12E-09	1.93E-11	1.14E-09	5.83E-09	9.09E-11	5.92E-09	6.76E-10	9.15E-12	6.85E-10
2850	437393.45	3724929.65	5.82E-09	1.04E-10	5.93E-09	1.21E-09	2.02E-11	1.23E-09	6.26E-09	9.53E-11	6.36E-09	7.28E-10	9.57E-12	7.37E-10
2851	437380.09	3724941.6	6.21E-09	1.09E-10	6.32E-09	1.29E-09	2.12E-11	1.31E-09	6.68E-09	1.00E-10	6.78E-09	7.78E-10	1.00E-11	7.88E-10
2852	437366.73	3724953.54	6.56E-09	1.15E-10	6.67E-09	1.37E-09	2.23E-11	1.39E-09	7.06E-09	1.05E-10	7.17E-09	8.25E-10	1.06E-11	8.35E-10
2853	437401.68	3724885.99	4.40E-09	8.40E-11	4.49E-09	9.10E-10	1.65E-11	9.27E-10	4.73E-09	7.80E-11	4.81E-09	5.45E-10	7.87E-12	5.52E-10
2854	437418.03	3724879.25	4.22E-09	8.18E-11	4.30E-09	8.72E-10	1.62E-11	8.88E-10	4.53E-09	7.64E-11	4.61E-09	5.22E-10	7.75E-12	5.29E-10
2855	437434.38	3724872.5	4.03E-09	7.96E-11	4.11E-09	8.34E-10	1.60E-11	8.50E-10	4.33E-09	7.52E-11	4.41E-09	4.99E-10	7.66E-12	5.07E-10
2856	437450.73	3724865.75	3.86E-09	7.76E-11	3.94E-09	7.99E-10	1.57E-11	8.15E-10	4.15E-09	7.42E-11	4.22E-09	4.79E-10	7.60E-12	4.87E-10
2857	437467.08	3724859	3.71E-09	7.58E-11	3.78E-09	7.69E-10	1.56E-11	7.84E-10	3.98E-09	7.35E-11	4.06E-09	4.62E-10	7.58E-12	4.70E-10
2858	437483.44	3724852.25	3.58E-09	7.42E-11	3.65E-09	7.44E-10	1.55E-11	7.59E-10	3.85E-09	7.31E-11	3.92E-09	4.48E-10	7.59E-12	4.56E-10
2859	437565.19	3724818.52	3.34E-09	7.18E-11	3.42E-09	7.06E-10	1.61E-11	7.22E-10	3.61E-09	7.59E-11	3.69E-09	4.35E-10	8.11E-12	4.43E-10
2860	437581.55	3724811.77	3.37E-09	7.25E-11	3.44E-09	7.12E-10	1.64E-11	7.28E-10	3.64E-09	7.73E-11	3.71E-09	4.40E-10	8.28E-12	4.48E-10
2861	437597.9	3724805.02	3.40E-09	7.35E-11	3.48E-09	7.21E-10	1.67E-11	7.37E-10	3.68E-09	7.89E-11	3.76E-09	4.47E-10	8.47E-12	4.55E-10
2862	437622.74	3724800.76	3.63E-09	7.79E-11	3.71E-09	7.70E-10	1.78E-11	7.88E-10	3.92E-09	8.40E-11	4.01E-09	4.78E-10	9.04E-12	4.87E-10
2863	437639.72	3724805.73	4.00E-09	8.46E-11	4.08E-09	8.48E-10	1.93E-11	8.68E-10	4.32E-09	9.11E-11	4.41E-09	5.28E-10	9.80E-12	5.38E-10
2864	437656.69	3724810.7	4.43E-09	9.23E-11	4.52E-09	9.40E-10	2.10E-11	9.61E-10	4.79E-09	9.91E-11	4.89E-09	5.85E-10	1.06E-11	5.96E-10
2865	437673.67	3724815.67	4.93E-09	1.01E-10	5.04E-09	1.05E-09	2.28E-11	1.07E-09	5.34E-09	1.08E-10	5.44E-09	6.52E-10	1.16E-11	6.64E-10
2866	437690.65	3724820.64	5.48E-09	1.11E-10	5.59E-09	1.16E-09	2.49E-11	1.19E-09	5.93E-09	1.18E-10	6.05E-09	7.23E-10	1.26E-11	7.36E-10
2867	437792.51	3724850.45	9.57E-09	1.91E-10	9.76E-09	2.00E-09	4.05E-11	2.05E-09	1.03E-08	1.91E-10	1.05E-08	1.22E-09	2.00E-11	1.24E-09
2868	437809.49	3724855.42	1.03E-08	2.07E-10	1.05E-08	2.16E-09	4.35E-11	2.20E-09	1.11E-08	2.05E-10	1.13E-08	1.31E-09	2.14E-11	1.33E-09
2869	437826.46	3724860.39	1.11E-08	2.23E-10	1.13E-08	2.31E-09	4.65E-11	2.35E-09	1.19E-08	2.20E-10	1.21E-08	1.40E-09	2.28E-11	1.42E-09
2870	437386.82	3724895.34	4.65E-09	8.74E-11	4.74E-09	9.63E-10	1.71E-11	9.80E-10	5.00E-09	8.07E-11	5.08E-09	5.77E-10	8.13E-12	5.85E-10
2871	437373.46	3724907.29	4.98E-09	9.20E-11	5.07E-09	1.03E-09	1.80E-11	1.05E-09	5.35E-09	8.47E-11	5.43E-09	6.18E-10	8.53E-12	6.27E-10
2872	437360.09	3724919.23	5.28E-09	9.67E-11	5.38E-09	1.10E-09	1.89E-11	1.11E-09	5.68E-09	8.91E-11	5.77E-09	6.58E-10	8.97E-12	6.67E-10
2873	437346.73	3724931.18	5.56E-09	1.01E-10	5.66E-09	1.16E-09	1.99E-11	1.18E-09	5.98E-09	9.37E-11	6.08E-09	6.95E-10	9.45E-12	7.04E-10
2874	437381.75	3724863.6	3.85E-09	7.52E-11	3.93E-09	7.95E-10	1.48E-11	8.10E-10	4.14E-09	6.99E-11	4.21E-09	4.74E-10	7.07E-12	4.81E-10
2875	437398.25	3724856.79	3.69E-09	7.30E-11	3.76E-09	7.61E-10	1.45E-11	7.76E-10	3.96E-09	6.82E-11	4.03E-09	4.54E-10	6.92E-12	4.61E-10
2876	437414.74	3724849.99	3.52E-09	7.09E-11	3.59E-09	7.27E-10	1.42E-11	7.41E-10	3.78E-09	6.69E-11	3.85E-09	4.34E-10	6.80E-12	4.40E-10
2877	437431.23	3724843.18	3.36E-09	6.89E-11	3.43E-09	6.94E-10	1.39E-11	7.08E-10	3.61E-09	6.57E-11	3.68E-09	4.14E-10	6.72E-12	4.21E-10
2878	437447.72	3724836.37	3.21E-09	6.71E-11	3.28E-09	6.64E-10	1.37E-11	6.78E-10	3.45E-09	6.47E-11	3.51E-09	3.97E-10	6.66E-12	4.04E-10
2879	437464.22	3724829.57	3.08E-09	6.55E-11	3.14E-09	6.38E-10	1.36E-11	6.51E-10	3.31E-09	6.41E-11	3.37E-09	3.82E-10	6.63E-12	3.89E-10
2880	437546.68	3724795.54	2.75E-09	6.20E-11	2.81E-09	5.78E-10	1.38E-11	5.91E-10	2.97E-09	6.51E-11	3.03E-09	3.53E-10	6.94E-12	3.60E-10
2881	437563.17	3724788.73	2.75E-09	6.23E-11	2.82E-09	5.79E-10	1.40E-11	5.93E-10	2.97E-09	6.61E-11	3.04E-09	3.56E-10	7.08E-12	3.63E-10
2882	437579.67	3724781.93	2.77E-09	6.29E-11	2.83E-09	5.84E-10	1.42E-11	5.98E-10	2.99E-09	6.73E-11	3.06E-09	3.60E-10	7.23E-12	3.67E-10

2883	437596.16	3724775.12	2.80E-09	6.37E-11	2.86E-09	5.91E-10	1.45E-11	6.05E-10	3.02E-09	6.87E-11	3.09E-09	3.65E-10	7.39E-12	3.72E-10
2884	437621.21	3724770.82	2.94E-09	6.74E-11	3.01E-09	6.21E-10	1.54E-11	6.36E-10	3.17E-09	7.30E-11	3.25E-09	3.84E-10	7.87E-12	3.92E-10
2885	437638.34	3724775.83	3.22E-09	7.29E-11	3.30E-09	6.82E-10	1.67E-11	6.98E-10	3.48E-09	7.89E-11	3.56E-09	4.22E-10	8.51E-12	4.31E-10
2886	437655.46	3724780.85	3.55E-09	7.91E-11	3.63E-09	7.51E-10	1.81E-11	7.70E-10	3.84E-09	8.55E-11	3.92E-09	4.66E-10	9.21E-12	4.75E-10
2887	437672.58	3724785.86	3.93E-09	8.62E-11	4.01E-09	8.31E-10	1.96E-11	8.50E-10	4.24E-09	9.28E-11	4.33E-09	5.15E-10	9.98E-12	5.25E-10
2888	437689.71	3724790.87	4.35E-09	9.43E-11	4.45E-09	9.21E-10	2.13E-11	9.43E-10	4.71E-09	1.01E-10	4.81E-09	5.70E-10	1.08E-11	5.81E-10
2889	437706.83	3724795.88	4.84E-09	1.03E-10	4.94E-09	1.02E-09	2.32E-11	1.05E-09	5.23E-09	1.10E-10	5.34E-09	6.33E-10	1.17E-11	6.44E-10
2890	437366.83	3724872.97	4.06E-09	7.83E-11	4.14E-09	8.39E-10	1.54E-11	8.54E-10	4.36E-09	7.26E-11	4.43E-09	5.01E-10	7.33E-12	5.08E-10
2891	437353.46	3724884.92	4.32E-09	8.24E-11	4.40E-09	8.94E-10	1.62E-11	9.10E-10	4.64E-09	7.63E-11	4.72E-09	5.34E-10	7.71E-12	5.42E-10
2892	437340.1	3724896.87	4.57E-09	8.66E-11	4.66E-09	9.46E-10	1.71E-11	9.63E-10	4.91E-09	8.04E-11	4.99E-09	5.66E-10	8.12E-12	5.75E-10
2893	437361.56	3724841.31	3.41E-09	6.81E-11	3.48E-09	7.04E-10	1.35E-11	7.18E-10	3.67E-09	6.36E-11	3.73E-09	4.19E-10	6.44E-12	4.26E-10
2894	437377.66	3724834.67	3.28E-09	6.61E-11	3.35E-09	6.76E-10	1.31E-11	6.89E-10	3.52E-09	6.19E-11	3.58E-09	4.02E-10	6.28E-12	4.08E-10
2895	437393.75	3724828.03	3.14E-09	6.41E-11	3.20E-09	6.46E-10	1.28E-11	6.59E-10	3.37E-09	6.03E-11	3.43E-09	3.85E-10	6.14E-12	3.91E-10
2896	437409.85	3724821.39	3.00E-09	6.22E-11	3.06E-09	6.17E-10	1.25E-11	6.30E-10	3.21E-09	5.91E-11	3.27E-09	3.67E-10	6.03E-12	3.73E-10
2897	437425.95	3724814.74	2.86E-09	6.04E-11	2.92E-09	5.89E-10	1.23E-11	6.02E-10	3.07E-09	5.80E-11	3.13E-09	3.51E-10	5.95E-12	3.57E-10
2898	437442.04	3724808.1	2.73E-09	5.88E-11	2.79E-09	5.64E-10	1.21E-11	5.76E-10	2.93E-09	5.71E-11	2.99E-09	3.36E-10	5.89E-12	3.42E-10
2899	437538.62	3724768.25	2.31E-09	5.42E-11	2.37E-09	4.84E-10	1.21E-11	4.96E-10	2.49E-09	5.70E-11	2.55E-09	2.95E-10	6.08E-12	3.01E-10
2900	437554.72	3724761.61	2.31E-09	5.43E-11	2.36E-09	4.83E-10	1.22E-11	4.96E-10	2.48E-09	5.78E-11	2.54E-09	2.95E-10	6.18E-12	3.02E-10
2901	437570.81	3724754.96	2.31E-09	5.47E-11	2.37E-09	4.86E-10	1.24E-11	4.98E-10	2.49E-09	5.87E-11	2.55E-09	2.98E-10	6.30E-12	3.04E-10
2902	437586.91	3724748.32	2.33E-09	5.54E-11	2.38E-09	4.90E-10	1.26E-11	5.03E-10	2.51E-09	5.98E-11	2.57E-09	3.01E-10	6.44E-12	3.08E-10
2903	437603.01	3724741.68	2.33E-09	5.62E-11	2.39E-09	4.91E-10	1.29E-11	5.04E-10	2.51E-09	6.10E-11	2.57E-09	3.02E-10	6.58E-12	3.08E-10
2904	437619.41	3724740.8	2.43E-09	5.87E-11	2.49E-09	5.11E-10	1.35E-11	5.25E-10	2.62E-09	6.39E-11	2.68E-09	3.15E-10	6.89E-12	3.22E-10
2905	437636.12	3724745.69	2.60E-09	6.21E-11	2.66E-09	5.48E-10	1.43E-11	5.63E-10	2.81E-09	6.77E-11	2.87E-09	3.38E-10	7.31E-12	3.46E-10
2906	437652.83	3724750.59	2.80E-09	6.61E-11	2.87E-09	5.92E-10	1.52E-11	6.07E-10	3.03E-09	7.19E-11	3.10E-09	3.66E-10	7.77E-12	3.74E-10
2907	437669.54	3724755.48	3.05E-09	7.09E-11	3.13E-09	6.45E-10	1.63E-11	6.62E-10	3.30E-09	7.71E-11	3.38E-09	3.99E-10	8.32E-12	4.07E-10
2908	437686.26	3724760.37	3.33E-09	7.64E-11	3.41E-09	7.04E-10	1.75E-11	7.22E-10	3.60E-09	8.27E-11	3.68E-09	4.36E-10	8.92E-12	4.44E-10
2909	437702.97	3724765.26	3.65E-09	8.26E-11	3.74E-09	7.72E-10	1.88E-11	7.91E-10	3.95E-09	8.90E-11	4.03E-09	4.77E-10	9.58E-12	4.86E-10
2910	437753.1	3724779.94	5.15E-09	1.12E-10	5.27E-09	1.08E-09	2.50E-11	1.11E-09	5.56E-09	1.18E-10	5.68E-09	6.66E-10	1.26E-11	6.78E-10
2911	437769.81	3724784.83	5.70E-09	1.22E-10	5.82E-09	1.20E-09	2.70E-11	1.23E-09	6.15E-09	1.27E-10	6.28E-09	7.35E-10	1.35E-11	7.48E-10
2912	437786.53	3724789.72	6.23E-09	1.33E-10	6.36E-09	1.31E-09	2.90E-11	1.34E-09	6.71E-09	1.37E-10	6.85E-09	7.99E-10	1.45E-11	8.14E-10
2913	437803.24	3724794.62	6.74E-09	1.43E-10	6.89E-09	1.41E-09	3.11E-11	1.44E-09	7.27E-09	1.47E-10	7.41E-09	8.61E-10	1.55E-11	8.77E-10
2914	437819.95	3724799.51	7.27E-09	1.55E-10	7.43E-09	1.52E-09	3.33E-11	1.55E-09	7.83E-09	1.57E-10	7.99E-09	9.24E-10	1.65E-11	9.40E-10
2915	437836.66	3724804.4	7.80E-09	1.66E-10	7.97E-09	1.63E-09	3.55E-11	1.66E-09	8.40E-09	1.67E-10	8.57E-09	9.86E-10	1.75E-11	1.00E-09
2916	437853.37	3724809.29	8.32E-09	1.78E-10	8.50E-09	1.73E-09	3.77E-11	1.77E-09	8.95E-09	1.78E-10	9.13E-09	1.05E-09	1.86E-11	1.07E-09
2917	437870.08	3724814.18	8.83E-09	1.89E-10	9.02E-09	1.83E-09	3.99E-11	1.87E-09	9.49E-09	1.88E-10	9.68E-09	1.10E-09	1.96E-11	1.12E-09
2918	437346.83	3724850.61	3.59E-09	7.09E-11	3.66E-09	7.40E-10	1.40E-11	7.54E-10	3.85E-09	6.61E-11	3.92E-09	4.41E-10	6.69E-12	4.48E-10
2919	437333.47	3724862.55	3.80E-09	7.46E-11	3.88E-09	7.85E-10	1.48E-11	8.00E-10	4.08E-09	6.96E-11	4.15E-09	4.69E-10	7.05E-12	4.76E-10
2920	437341.63	3724818.92	3.06E-09	6.22E-11	3.12E-09	6.29E-10	1.24E-11	6.42E-10	3.28E-09	5.84E-11	3.34E-09	3.74E-10	5.93E-12	3.80E-10
2921	437357.87	3724812.22	2.94E-09	6.02E-11	3.00E-09	6.05E-10	1.20E-11	6.17E-10	3.15E-09	5.66E-11	3.21E-09	3.59E-10	5.75E-12	3.65E-10
2922	437374.1	3724805.52	2.81E-09	5.83E-11	2.87E-09	5.79E-10	1.17E-11	5.91E-10	3.02E-09	5.51E-11	3.07E-09	3.44E-10	5.61E-12	3.49E-10
2923	437471.49	3724765.33	2.15E-09	4.95E-11	2.20E-09	4.45E-10	1.05E-11	4.56E-10	2.31E-09	4.98E-11	2.36E-09	2.67E-10	5.21E-12	2.72E-10
2924	437487.72	3724758.64	2.08E-09	4.87E-11	2.13E-09	4.32E-10	1.05E-11	4.43E-10	2.24E-09	4.96E-11	2.29E-09	2.59E-10	5.22E-12	2.65E-10
2925	437503.95	3724751.94	2.03E-09	4.82E-11	2.08E-09	4.22E-10	1.05E-11	4.32E-10	2.18E-09	4.97E-11	2.23E-09	2.54E-10	5.26E-12	2.60E-10
2926	437520.18	3724745.24	1.99E-09	4.79E-11	2.04E-09	4.15E-10	1.06E-11	4.26E-10	2.14E-09	5.00E-11	2.19E-09	2.51E-10	5.32E-12	2.57E-10
2927	437536.41	3724738.54	1.97E-09	4.78E-11	2.02E-09	4.11E-10	1.07E-11	4.22E-10	2.12E-09	5.05E-11	2.17E-09	2.50E-10	5.39E-12	2.55E-10
2928	437552.64	3724731.84	1.96E-09	4.79E-11	2.01E-09	4.11E-10	1.08E-11	4.21E-10	2.11E-09	5.12E-11	2.16E-09	2.50E-10	5.49E-12	2.56E-10
2929	437568.88	3724725.14	1.96E-09	4.83E-11	2.01E-09	4.12E-10	1.10E-11	4.23E-10	2.12E-09	5.20E-11	2.17E-09	2.52E-10	5.59E-12	2.57E-10
2930	437585.11	3724718.45	1.97E-09	4.89E-11	2.02E-09	4.13E-10	1.12E-11	4.24E-10	2.12E-09	5.29E-11	2.17E-09	2.53E-10	5.71E-12	2.59E-10
2931	437601.34	3724711.75	1.97E-09	4.96E-11	2.02E-09	4.14E-10	1.14E-11	4.25E-10	2.12E-09	5.40E-11	2.18E-09	2.53E-10	5.83E-12	2.59E-10
2932	437617.88	3724710.87	2.02E-09	5.07E-11	2.07E-09	4.24E-10	1.17E-11	4.36E-10	2.17E-09	5.54E-11	2.23E-09	2.60E-10	6.00E-12	2.66E-10
2933	437634.73	3724715.8	2.12E-09	5.29E-11	2.17E-09	4.47E-10	1.23E-11	4.59E-10	2.29E-09	5.80E-11	2.35E-09	2.75E-10	6.28E-12	2.81E-10
2934	437651.59	3724720.73	2.26E-09	5.57E-11	2.31E-09	4.76E-10	1.29E-11	4.89E-10	2.44E-09	6.11E-11	2.50E-09	2.93E-10	6.61E-12	3.00E-10
2935	437668.44	3724725.67	2.43E-09	5.92E-11	2.49E-09	5.13E-10	1.37E-11	5.27E-10	2.62E-09	6.49E-11	2.69E-09	3.17E-10	7.02E-12	3.24E-10
2936	437735.85	3724745.4	3.56E-09	8.22E-11	3.64E-09	7.50E-10	1.87E-11	7.69E-10	3.84E-09	8.83E-11	3.93E-09	4.62E-10	9.49E-12	4.71E-10
2937	437752.7	3724750.33	3.93E-09	8.98E-11	4.02E-09	8.28E-10	2.03E-11	8.48E-10	4.24E-09	9.58E-11	4.34E-09	5.09E-10	1.03E-11	5.19E-10
2938	437769.55	3724755.26	4.29E-09	9.71E-11	4.39E-09	9.01E-10	2.18E-11	9.23E-10	4.62E-09	1.03E-10	4.73E-09	5.52E-10	1.10E-11	5.63E-10
2939	437786.4	3724760.2	4.81E-09	1.08E-10	4.92E-09	1.01E-09	2.39E-11	1.03E-09	5.18E-09	1.13E-10	5.30E-09	6.17E-10	1.20E-11	6.29E-10
2940	437803.25	3724765.13	5.40E-09	1.20E-10	5.52E-09	1.13E-09	2.64E-11	1.16E-09	5.82E-09	1.25E-10	5.95E-09	6.89E-10	1.32E-11	7.02E-10
2941	437820.11	3724770.06	5.97E-09	1.32E-10	6.10E-09	1.25E-09	2.87E-11	1.28E-09	6.43E-09	1.36E-10	6.57E-09	7.59E-10	1.43E-11	7.73E-10
2942	437853.81	3724779.93	6.93E-09	1.52E-10	7.08E-09	1.44E-09	3.26E-11	1.47E-09	7.45E-09	1.54E-10	7.61E-09	8.72E-10	1.62E-11	8.89E-10
2943	437870.66	3724784.86	7.38E-09	1.62E-10	7.54E-09	1.53E-09	3.46E-11	1.57E-09	7.93E-09	1.63E-10	8.10E-09	9.25E-10	1.71E-11	9.42E-10
2944	437887.52	3724789.8	7.82E-09	1.72E-10	7.99E-09	1.62E-09	3.65E-11	1.66E-09	8.41E-09	1.72E-10	8.58E-09	9.76E-10	1.80E-11	9.94E-10
2945	437326.84	3724828.24	3.20E-09	6.48E-11	3.27E-09	6.60E-10	1.29E-11	6.73E-10	3.44E-09	6.08E-11	3.50E-09	3.93E-10	6.18E-12	3.99E-10
2946	437313.47	3724840.19	3.39E-09	6.82E-11	3.45E-09	6.98E-10	1.36E-11	7.12E-10	3.63E-09	6.41E-11	3.70E-09	4.16E-10	6.51E-12	4.22E-10
2947	437321.7	3724796.53	2.76E-09	5.73E-11	2.82E-09	5.69E-10	1.15E-11	5.80E-10	2.96E-09	5.41E-11	3.02E-09	3.38E-10	5.51E-12	3.43E-10
2948	437338.05	3724789.78	2.66E-09	5.55E-11	2.71E-09	5.47E-10	1.11E-11	5.58E-10	2.85E-09	5.24E-11	2.90E-09	3.24E-10	5.33E-12	3.30E-10
2949	437436.16	3724749.29	2.02E-09	4.59E-11	2.06E-09	4.15E-10	9.61E-12	4.25E-10	2.16E-09	4.53E-11	2.21E-09	2.47E-10	4.71E-12	2.52E-10
2950	437452.52	3724742.55	1.93E-09	4.49E-11	1.98E-09	3.99E-10	9.50E-12	4.08E-10	2.07E-09	4.48E-11	2.12E-09	2.38E-10	4.68E-12	2.42E-10
2951	437468.87	3724735.8	1.86E-09	4.40E-11	1.90E-09	3.84E-10	9.43E-12	3.94E-10	2.00E-09	4.45E-11	2.04E-09	2.30E-10	4.67E-12	2.34E-10
2952	437485.22	3724729.05	1.80E-09	4.33E-11	1.84E-09	3.73E-10	9.40E-12	3.82E-10	1.93E-09	4.44E-11	1.98E-09	2.24E-10	4.68E-12	2.28E-10
2953	437501.57	3724722.3	1.75E-09	4.28E-11	1.80E-09	3.64E-10	9.41E-12	3.73E-10	1.89E-09	4.45E-11	1.93E-09	2.19E-10	4.71E-12	2.24E-10
2954	437517.92	3724715.56	1.72E-09	4.26E-11	1.76E-09	3.58E-10	9.46E-12	3.68E-10	1.85E-09	4.47E-11	1.90E-09	2.16E-10	4.76E-12	2.21E-10
2955	437534.27	3724708.81	1.70E-09	4.25E-11	1.74E-09	3.55E-10	9.55E-12	3.64E-10	1.83E-09	4.51E-11	1.88E-09	2.15E-10	4.83E-12	2.20E-10
2956	437550.63	3724702.06	1.69E-09	4.27E-11	1.74E-09	3.54E-10	9.67E-12	3.63E-10	1.82E-09	4.57E-11	1.87E-09	2.15E-10	4.90E-12	2.20E-10
2957	437566.98	3724695.31	1.69E-09	4.30E-11	1.74E-09	3.55E-10	9.81E-12	3.64E-10	1.82E-09	4.64E-11	1.87E-09	2.16E-10	4.99E-12	2.21E-10
2958	437583.33	3724688.56	1.69E-09	4.35E-11	1.73E-09	3.54E-10	9.99E-12	3.64E-10	1.82E-09	4.72E-11	1.87E-09	2.16E-10	5.09E-12	2.21E-10
2959	437599.68	3724681.82	1.69E-09	4.39E-11	1.73E-09	3.53E-10	1.01E-11	3.63E-10	1.82E-09	4.79E-11	1.86E-09	2.16E-10	5.18E-12	2.21E-10
2960	437616.35	3724680.93	1.71E-09	4.44E-11	1.75E-09	3.58E-10	1.03E-11	3.68E-10	1.84E-09	4.87E-11	1.89E-09	2.19E-10	5.27E-12	2.25E-10

2961	437684.25	3724700.81	2.16E-09	5.42E-11	2.22E-09	4.56E-10	1.26E-11	4.68E-10	2.33E-09	5.96E-11	2.39E-09	2.81E-10	6.46E-12	2.87E-10
2962	437701.23	3724705.78	2.36E-09	5.83E-11	2.42E-09	4.98E-10	1.35E-11	5.11E-10	2.55E-09	6.40E-11	2.61E-09	3.07E-10	6.92E-12	3.14E-10
2963	437718.21	3724710.74	2.59E-09	6.31E-11	2.65E-09	5.45E-10	1.46E-11	5.60E-10	2.79E-09	6.89E-11	2.86E-09	3.36E-10	7.44E-12	3.43E-10
2964	437735.18	3724715.71	2.84E-09	6.83E-11	2.90E-09	5.97E-10	1.57E-11	6.13E-10	3.06E-09	7.42E-11	3.13E-09	3.67E-10	8.00E-12	3.75E-10
2965	437752.16	3724720.68	3.15E-09	7.50E-11	3.23E-09	6.63E-10	1.71E-11	6.81E-10	3.40E-09	8.08E-11	3.48E-09	4.07E-10	8.69E-12	4.16E-10
2966	437769.14	3724725.65	3.51E-09	8.24E-11	3.59E-09	7.37E-10	1.86E-11	7.55E-10	3.78E-09	8.81E-11	3.87E-09	4.52E-10	9.45E-12	4.61E-10
2967	437786.11	3724730.62	3.90E-09	9.06E-11	3.99E-09	8.17E-10	2.03E-11	8.38E-10	4.20E-09	9.61E-11	4.29E-09	5.00E-10	1.03E-11	5.10E-10
2968	437871	3724755.47	6.19E-09	1.40E-10	6.33E-09	1.29E-09	3.01E-11	1.32E-09	6.66E-09	1.42E-10	6.80E-09	7.77E-10	1.50E-11	7.92E-10
2969	437887.98	3724760.44	6.59E-09	1.49E-10	6.74E-09	1.37E-09	3.19E-11	1.40E-09	7.08E-09	1.51E-10	7.23E-09	8.24E-10	1.58E-11	8.40E-10
2970	437904.95	3724765.41	6.97E-09	1.57E-10	7.13E-09	1.45E-09	3.36E-11	1.48E-09	7.49E-09	1.59E-10	7.65E-09	8.69E-10	1.66E-11	8.85E-10
2971	437306.84	3724805.88	2.89E-09	5.98E-11	2.95E-09	5.95E-10	1.20E-11	6.07E-10	3.10E-09	5.65E-11	3.16E-09	3.54E-10	5.75E-12	3.59E-10
2972	437301.76	3724774.14	2.52E-09	5.32E-11	2.57E-09	5.17E-10	1.07E-11	5.28E-10	2.70E-09	5.06E-11	2.75E-09	3.07E-10	5.16E-12	3.12E-10
2973	437400.52	3724733.39	1.93E-09	4.34E-11	1.97E-09	3.97E-10	8.96E-12	4.05E-10	2.07E-09	4.23E-11	2.11E-09	2.35E-10	4.36E-12	2.39E-10
2974	437416.98	3724726.6	1.84E-09	4.22E-11	1.88E-09	3.78E-10	8.79E-12	3.87E-10	1.97E-09	4.15E-11	2.01E-09	2.25E-10	4.30E-12	2.29E-10
2975	437433.44	3724719.8	1.76E-09	4.11E-11	1.80E-09	3.62E-10	8.65E-12	3.71E-10	1.89E-09	4.08E-11	1.93E-09	2.15E-10	4.25E-12	2.19E-10
2976	437449.89	3724713.01	1.69E-09	4.01E-11	1.73E-09	3.48E-10	8.55E-12	3.56E-10	1.81E-09	4.03E-11	1.85E-09	2.07E-10	4.22E-12	2.11E-10
2977	437466.35	3724706.22	1.62E-09	3.93E-11	1.66E-09	3.35E-10	8.48E-12	3.44E-10	1.74E-09	4.01E-11	1.78E-09	2.00E-10	4.21E-12	2.04E-10
2978	437482.81	3724699.43	1.57E-09	3.88E-11	1.61E-09	3.25E-10	8.46E-12	3.34E-10	1.69E-09	3.99E-11	1.73E-09	1.95E-10	4.22E-12	1.99E-10
2979	437499.27	3724692.63	1.53E-09	3.83E-11	1.57E-09	3.18E-10	8.47E-12	3.26E-10	1.65E-09	4.00E-11	1.69E-09	1.91E-10	4.25E-12	1.95E-10
2980	437515.73	3724685.84	1.50E-09	3.82E-11	1.54E-09	3.13E-10	8.52E-12	3.21E-10	1.62E-09	4.02E-11	1.66E-09	1.88E-10	4.29E-12	1.93E-10
2981	437532.19	3724679.05	1.49E-09	3.81E-11	1.52E-09	3.09E-10	8.59E-12	3.18E-10	1.60E-09	4.06E-11	1.64E-09	1.87E-10	4.35E-12	1.91E-10
2982	437548.65	3724672.26	1.48E-09	3.83E-11	1.52E-09	3.08E-10	8.70E-12	3.17E-10	1.59E-09	4.11E-11	1.63E-09	1.87E-10	4.42E-12	1.91E-10
2983	437565.11	3724665.47	1.48E-09	3.85E-11	1.52E-09	3.09E-10	8.82E-12	3.18E-10	1.59E-09	4.17E-11	1.63E-09	1.88E-10	4.49E-12	1.92E-10
2984	437581.57	3724658.67	1.47E-09	3.89E-11	1.51E-09	3.07E-10	8.96E-12	3.16E-10	1.58E-09	4.24E-11	1.62E-09	1.87E-10	4.58E-12	1.91E-10
2985	437598.03	3724651.88	1.44E-09	3.85E-11	1.47E-09	3.01E-10	8.91E-12	3.09E-10	1.55E-09	4.22E-11	1.59E-09	1.83E-10	4.56E-12	1.88E-10
2986	437648.98	3724660.99	1.59E-09	4.22E-11	1.63E-09	3.35E-10	9.86E-12	3.44E-10	1.72E-09	4.66E-11	1.76E-09	2.05E-10	5.06E-12	2.10E-10
2987	437666.07	3724665.99	1.71E-09	4.49E-11	1.76E-09	3.60E-10	1.05E-11	3.71E-10	1.85E-09	4.96E-11	1.90E-09	2.22E-10	5.39E-12	2.27E-10
2988	437683.16	3724671	1.84E-09	4.77E-11	1.89E-09	3.88E-10	1.11E-11	3.99E-10	1.99E-09	5.27E-11	2.04E-09	2.39E-10	5.72E-12	2.44E-10
2989	437700.25	3724676	1.98E-09	5.08E-11	2.03E-09	4.17E-10	1.18E-11	4.29E-10	2.14E-09	5.59E-11	2.19E-09	2.57E-10	6.07E-12	2.63E-10
2990	437717.33	3724681	2.16E-09	5.46E-11	2.21E-09	4.55E-10	1.27E-11	4.67E-10	2.33E-09	6.00E-11	2.39E-09	2.80E-10	6.50E-12	2.86E-10
2991	437734.42	3724686	2.37E-09	5.91E-11	2.43E-09	4.98E-10	1.37E-11	5.12E-10	2.55E-09	6.46E-11	2.62E-09	3.06E-10	6.98E-12	3.13E-10
2992	437751.51	3724691	2.63E-09	6.47E-11	2.69E-09	5.52E-10	1.49E-11	5.67E-10	2.83E-09	7.02E-11	2.90E-09	3.39E-10	7.58E-12	3.46E-10
2993	437888.22	3724731.02	5.58E-09	1.29E-10	5.71E-09	1.16E-09	2.80E-11	1.19E-09	6.00E-09	1.32E-10	6.14E-09	7.00E-10	1.39E-11	7.14E-10
2994	437905.31	3724736.03	5.92E-09	1.37E-10	6.06E-09	1.23E-09	2.95E-11	1.26E-09	6.37E-09	1.39E-10	6.50E-09	7.39E-10	1.47E-11	7.54E-10
2995	437922.4	3724741.03	6.26E-09	1.45E-10	6.40E-09	1.30E-09	3.10E-11	1.33E-09	6.72E-09	1.46E-10	6.87E-09	7.78E-10	1.54E-11	7.94E-10
2996	437381.15	3724710.76	1.78E-09	4.03E-11	1.82E-09	3.65E-10	8.31E-12	3.73E-10	1.91E-09	3.92E-11	1.95E-09	2.16E-10	4.04E-12	2.20E-10
2997	437397.71	3724703.93	1.70E-09	3.91E-11	1.73E-09	3.48E-10	8.12E-12	3.56E-10	1.82E-09	3.83E-11	1.86E-09	2.06E-10	3.97E-12	2.10E-10
2998	437414.26	3724697.1	1.62E-09	3.79E-11	1.66E-09	3.32E-10	7.96E-12	3.40E-10	1.73E-09	3.76E-11	1.77E-09	1.97E-10	3.90E-12	2.01E-10
2999	437430.82	3724690.27	1.55E-09	3.69E-11	1.58E-09	3.18E-10	7.84E-12	3.26E-10	1.66E-09	3.70E-11	1.70E-09	1.89E-10	3.86E-12	1.93E-10
3000	437447.38	3724683.43	1.48E-09	3.61E-11	1.52E-09	3.06E-10	7.74E-12	3.13E-10	1.59E-09	3.66E-11	1.63E-09	1.82E-10	3.84E-12	1.86E-10
3001	437463.93	3724676.6	1.43E-09	3.55E-11	1.47E-09	2.95E-10	7.69E-12	3.03E-10	1.53E-09	3.63E-11	1.57E-09	1.76E-10	3.83E-12	1.80E-10
3002	437480.49	3724669.77	1.39E-09	3.49E-11	1.42E-09	2.87E-10	7.67E-12	2.94E-10	1.49E-09	3.62E-11	1.52E-09	1.71E-10	3.84E-12	1.75E-10
3003	437497.05	3724662.94	1.35E-09	3.46E-11	1.39E-09	2.80E-10	7.68E-12	2.88E-10	1.45E-09	3.63E-11	1.49E-09	1.68E-10	3.86E-12	1.72E-10
3004	437513.6	3724656.1	1.33E-09	3.44E-11	1.36E-09	2.75E-10	7.71E-12	2.83E-10	1.43E-09	3.64E-11	1.46E-09	1.66E-10	3.89E-12	1.70E-10
3005	437530.16	3724649.27	1.31E-09	3.44E-11	1.35E-09	2.73E-10	7.78E-12	2.81E-10	1.41E-09	3.68E-11	1.45E-09	1.65E-10	3.94E-12	1.69E-10
3006	437699.2	3724646.2	1.74E-09	4.57E-11	1.78E-09	3.65E-10	1.07E-11	3.76E-10	1.87E-09	5.05E-11	1.92E-09	2.24E-10	5.49E-12	2.30E-10
3007	437716.39	3724651.23	1.89E-09	4.91E-11	1.94E-09	3.97E-10	1.14E-11	4.08E-10	2.04E-09	5.41E-11	2.09E-09	2.44E-10	5.86E-12	2.50E-10
3008	437785.15	3724671.36	2.85E-09	7.03E-11	2.93E-09	5.98E-10	1.60E-11	6.14E-10	3.08E-09	7.57E-11	3.15E-09	3.66E-10	8.14E-12	3.74E-10
3009	437793.74	3724673.88	3.02E-09	7.38E-11	3.09E-09	6.32E-10	1.67E-11	6.48E-10	3.25E-09	7.91E-11	3.33E-09	3.86E-10	8.50E-12	3.94E-10
3010	437810.93	3724678.91	3.35E-09	8.12E-11	3.43E-09	7.01E-10	1.83E-11	7.20E-10	3.61E-09	8.64E-11	3.70E-09	4.27E-10	9.25E-12	4.37E-10
3011	437828.12	3724683.94	3.73E-09	8.96E-11	3.82E-09	7.79E-10	2.00E-11	7.99E-10	4.02E-09	9.45E-11	4.11E-09	4.74E-10	1.01E-11	4.84E-10
3012	437845.31	3724688.97	4.03E-09	9.60E-11	4.12E-09	8.40E-10	2.13E-11	8.61E-10	4.33E-09	1.01E-10	4.43E-09	5.09E-10	1.07E-11	5.20E-10
3013	437862.5	3724694	4.33E-09	1.03E-10	4.43E-09	9.01E-10	2.26E-11	9.24E-10	4.65E-09	1.07E-10	4.76E-09	5.46E-10	1.14E-11	5.57E-10
3014	437879.69	3724699.04	4.61E-09	1.09E-10	4.72E-09	9.59E-10	2.40E-11	9.83E-10	4.96E-09	1.13E-10	5.07E-09	5.79E-10	1.20E-11	5.91E-10
3015	437914.07	3724709.1	5.12E-09	1.21E-10	5.24E-09	1.06E-09	2.63E-11	1.09E-09	5.50E-09	1.24E-10	5.62E-09	6.39E-10	1.31E-11	6.52E-10
3016	437931.25	3724714.13	5.34E-09	1.26E-10	5.47E-09	1.11E-09	2.73E-11	1.14E-09	5.74E-09	1.29E-10	5.87E-09	6.66E-10	1.36E-11	6.79E-10
3017	437359.21	3724689.2	1.66E-09	3.79E-11	1.70E-09	3.41E-10	7.80E-12	3.49E-10	1.78E-09	3.68E-11	1.82E-09	2.02E-10	3.80E-12	2.06E-10
3018	437375.47	3724682.49	1.59E-09	3.67E-11	1.62E-09	3.26E-10	7.60E-12	3.33E-10	1.70E-09	3.59E-11	1.74E-09	1.93E-10	3.71E-12	1.96E-10
3019	437391.72	3724675.78	1.51E-09	3.55E-11	1.55E-09	3.11E-10	7.43E-12	3.18E-10	1.62E-09	3.50E-11	1.66E-09	1.84E-10	3.64E-12	1.88E-10
3020	437407.98	3724669.07	1.45E-09	3.45E-11	1.48E-09	2.97E-10	7.29E-12	3.05E-10	1.55E-09	3.44E-11	1.59E-09	1.76E-10	3.58E-12	1.80E-10
3021	437424.24	3724662.37	1.39E-09	3.36E-11	1.42E-09	2.85E-10	7.16E-12	2.92E-10	1.49E-09	3.38E-11	1.52E-09	1.69E-10	3.54E-12	1.73E-10
3022	437440.49	3724655.66	1.33E-09	3.29E-11	1.36E-09	2.74E-10	7.08E-12	2.81E-10	1.43E-09	3.34E-11	1.46E-09	1.63E-10	3.51E-12	1.66E-10
3023	437780.28	3724640.45	2.41E-09	6.11E-11	2.47E-09	5.05E-10	1.40E-11	5.19E-10	2.60E-09	6.62E-11	2.66E-09	3.08E-10	7.14E-12	3.16E-10
3024	437797.16	3724645.39	2.67E-09	6.70E-11	2.74E-09	5.60E-10	1.53E-11	5.75E-10	2.88E-09	7.22E-11	2.95E-09	3.41E-10	7.76E-12	3.49E-10
3025	437814.04	3724650.33	2.96E-09	7.34E-11	3.04E-09	6.19E-10	1.66E-11	6.36E-10	3.19E-09	7.85E-11	3.27E-09	3.77E-10	8.42E-12	3.85E-10
3026	437830.92	3724655.27	3.25E-09	7.99E-11	3.33E-09	6.80E-10	1.80E-11	6.98E-10	3.50E-09	8.49E-11	3.59E-09	4.13E-10	9.09E-12	4.22E-10
3027	437847.8	3724660.21	3.49E-09	8.53E-11	3.57E-09	7.28E-10	1.91E-11	7.47E-10	3.75E-09	9.01E-11	3.84E-09	4.41E-10	9.61E-12	4.51E-10
3028	437864.67	3724665.15	3.71E-09	9.02E-11	3.80E-09	7.73E-10	2.01E-11	7.93E-10	3.99E-09	9.49E-11	4.09E-09	4.68E-10	1.01E-11	4.78E-10
3029	437881.55	3724670.09	3.91E-09	9.48E-11	4.01E-09	8.15E-10	2.10E-11	8.36E-10	4.21E-09	9.93E-11	4.31E-09	4.93E-10	1.06E-11	5.03E-10
3030	437898.43	3724675.03	4.12E-09	9.96E-11	4.22E-09	8.57E-10	2.20E-11	8.79E-10	4.43E-09	1.04E-10	4.53E-09	5.17E-10	1.10E-11	5.28E-10
3031	437290.78	3724686.82	1.77E-09	3.97E-11	1.81E-09	3.64E-10	8.12E-12	3.72E-10	1.90E-09	3.83E-11	1.94E-09	2.15E-10	3.93E-12	2.19E-10
3032	437307.13	3724680.07	1.70E-09	3.83E-11	1.74E-09	3.49E-10	7.84E-12	3.57E-10	1.82E-09	3.70E-11	1.86E-09	2.06E-10	3.80E-12	2.10E-10
3033	437323.48	3724673.33	1.63E-09	3.70E-11	1.67E-09	3.34E-10	7.59E-12	3.41E-10	1.74E-09	3.58E-11	1.78E-09	1.97E-10	3.69E-12	2.01E-10
3034	437339.84	3724666.58	1.55E-09	3.57E-11	1.59E-09	3.19E-10	7.35E-12	3.26E-10	1.67E-09	3.47E-11	1.70E-09	1.88E-10	3.58E-12	1.92E-10
3035	437356.19	3724659.83	1.48E-09	3.45E-11	1.52E-09	3.04E-10	7.15E-12	3.11E-10	1.59E-09	3.37E-11	1.62E-09	1.80E-10	3.49E-12	1.83E-10
3036	437372.54	3724653.08	1.42E-09	3.34E-11	1.45E-09	2.90E-10	6.96E-12	2.97E-10	1.52E-09	3.29E-11	1.55E-09	1.72E-10	3.41E-12	1.75E-10
3037	437881.58	3724640.61	3.34E-09	8.27E-11	3.42E-09	6.95E-10	1.85E-11	7.13E-10	3.59E-09	8.74E-11	3.68E-09	4.20E-10	9.33E-12	4.30E-10
3038	437264.12	3724657	1.63E-09	3.71E-11	1.66E-09	3.33E-10	7.63E-12	3.41E-10	1.74E-09	3.60E-11	1.78E-09	1.97E-10	3.71E-12	2.01E-10

3039	437280.47	3724650.25	1.56E-09	3.57E-11	1.60E-09	3.20E-10	7.36E-12	3.28E-10	1.67E-09	3.47E-11	1.71E-09	1.89E-10	3.58E-12	1.93E-10
3040	437296.82	3724643.51	1.50E-09	3.45E-11	1.53E-09	3.07E-10	7.10E-12	3.14E-10	1.61E-09	3.35E-11	1.64E-09	1.81E-10	3.46E-12	1.85E-10
3041	437313.18	3724636.76	1.43E-09	3.32E-11	1.47E-09	2.94E-10	6.87E-12	3.01E-10	1.54E-09	3.24E-11	1.57E-09	1.73E-10	3.35E-12	1.77E-10
3042	437329.53	3724630.01	1.37E-09	3.21E-11	1.40E-09	2.81E-10	6.66E-12	2.87E-10	1.47E-09	3.14E-11	1.50E-09	1.66E-10	3.25E-12	1.69E-10
3043	437345.88	3724623.26	1.31E-09	3.10E-11	1.34E-09	2.68E-10	6.47E-12	2.75E-10	1.40E-09	3.05E-11	1.43E-09	1.58E-10	3.16E-12	1.61E-10
3044	437160.12	3724722.43	2.08E-09	4.90E-11	2.13E-09	4.28E-10	1.03E-11	4.38E-10	2.23E-09	4.88E-11	2.28E-09	2.54E-10	5.08E-12	2.59E-10
3045	437253.81	3724620.43	1.44E-09	3.36E-11	1.48E-09	2.96E-10	6.95E-12	3.03E-10	1.55E-09	3.28E-11	1.58E-09	1.75E-10	3.39E-12	1.78E-10
3046	437270.17	3724613.68	1.39E-09	3.24E-11	1.42E-09	2.84E-10	6.70E-12	2.91E-10	1.49E-09	3.16E-11	1.52E-09	1.68E-10	3.27E-12	1.71E-10
3047	437286.52	3724606.94	1.33E-09	3.12E-11	1.36E-09	2.73E-10	6.48E-12	2.79E-10	1.43E-09	3.06E-11	1.46E-09	1.61E-10	3.16E-12	1.64E-10
3048	437302.87	3724600.19	1.27E-09	3.01E-11	1.30E-09	2.61E-10	6.26E-12	2.67E-10	1.36E-09	2.96E-11	1.39E-09	1.54E-10	3.06E-12	1.57E-10
3049	437319.22	3724593.44	1.22E-09	2.91E-11	1.25E-09	2.50E-10	6.08E-12	2.56E-10	1.31E-09	2.87E-11	1.33E-09	1.47E-10	2.97E-12	1.50E-10
3050	437133.46	3724692.61	1.90E-09	4.57E-11	1.94E-09	3.90E-10	9.71E-12	4.00E-10	2.03E-09	4.58E-11	2.08E-09	2.31E-10	4.79E-12	2.36E-10
3051	437120.17	3724650.84	1.69E-09	4.12E-11	1.73E-09	3.47E-10	8.77E-12	3.56E-10	1.81E-09	4.14E-11	1.85E-09	2.06E-10	4.33E-12	2.10E-10
3052	437106.8	3724662.79	1.74E-09	4.28E-11	1.78E-09	3.57E-10	9.16E-12	3.66E-10	1.86E-09	4.33E-11	1.91E-09	2.12E-10	4.54E-12	2.17E-10
3053	437106.87	3724609.07	1.51E-09	3.73E-11	1.55E-09	3.11E-10	7.97E-12	3.19E-10	1.62E-09	3.76E-11	1.66E-09	1.84E-10	3.94E-12	1.88E-10
3054	437093.51	3724621.02	1.56E-09	3.88E-11	1.60E-09	3.21E-10	8.33E-12	3.29E-10	1.67E-09	3.93E-11	1.71E-09	1.90E-10	4.13E-12	1.94E-10
3055	437080.14	3724632.96	1.60E-09	4.03E-11	1.65E-09	3.30E-10	8.69E-12	3.39E-10	1.72E-09	4.10E-11	1.76E-09	1.96E-10	4.32E-12	2.00E-10
3056	437080.21	3724579.25	1.41E-09	3.54E-11	1.44E-09	2.89E-10	7.60E-12	2.97E-10	1.51E-09	3.59E-11	1.54E-09	1.71E-10	3.77E-12	1.75E-10
3057	437066.85	3724591.2	1.45E-09	3.68E-11	1.49E-09	2.98E-10	7.93E-12	3.06E-10	1.55E-09	3.74E-11	1.59E-09	1.77E-10	3.94E-12	1.81E-10
3058	437053.49	3724603.14	1.49E-09	3.82E-11	1.53E-09	3.07E-10	8.27E-12	3.15E-10	1.60E-09	3.91E-11	1.64E-09	1.82E-10	4.12E-12	1.86E-10
3059	437000.17	3724543.5	1.31E-09	3.45E-11	1.34E-09	2.68E-10	7.55E-12	2.76E-10	1.40E-09	3.57E-11	1.44E-09	1.59E-10	3.78E-12	1.63E-10
3060	436986.87	3724501.73	1.20E-09	3.20E-11	1.24E-09	2.47E-10	7.01E-12	2.54E-10	1.29E-09	3.31E-11	1.32E-09	1.47E-10	3.50E-12	1.50E-10
3061	436973.51	3724513.68	1.23E-09	3.31E-11	1.27E-09	2.54E-10	7.28E-12	2.61E-10	1.32E-09	3.44E-11	1.36E-09	1.51E-10	3.65E-12	1.54E-10
3062	436986.94	3724448.02	1.08E-09	2.86E-11	1.11E-09	2.22E-10	6.24E-12	2.28E-10	1.16E-09	2.95E-11	1.19E-09	1.31E-10	3.12E-12	1.34E-10
3063	436973.58	3724459.97	1.11E-09	2.96E-11	1.14E-09	2.28E-10	6.49E-12	2.34E-10	1.19E-09	3.06E-11	1.22E-09	1.35E-10	3.25E-12	1.38E-10
3064	436960.21	3724471.91	1.14E-09	3.06E-11	1.17E-09	2.34E-10	6.74E-12	2.41E-10	1.22E-09	3.18E-11	1.25E-09	1.39E-10	3.38E-12	1.42E-10
3065	436946.85	3724483.86	1.17E-09	3.17E-11	1.20E-09	2.40E-10	7.00E-12	2.47E-10	1.25E-09	3.31E-11	1.28E-09	1.42E-10	3.51E-12	1.46E-10
3066	436975.14	3724408.85	1.00E-09	2.67E-11	1.03E-09	2.06E-10	5.83E-12	2.12E-10	1.07E-09	2.76E-11	1.10E-09	1.22E-10	2.92E-12	1.25E-10
3067	436960.28	3724418.2	1.03E-09	2.75E-11	1.05E-09	2.11E-10	6.04E-12	2.17E-10	1.10E-09	2.85E-11	1.13E-09	1.25E-10	3.02E-12	1.28E-10
3068	436946.92	3724430.15	1.06E-09	2.85E-11	1.08E-09	2.17E-10	6.27E-12	2.23E-10	1.13E-09	2.96E-11	1.16E-09	1.28E-10	3.14E-12	1.32E-10
3069	436933.55	3724442.09	1.08E-09	2.94E-11	1.11E-09	2.22E-10	6.50E-12	2.29E-10	1.16E-09	3.07E-11	1.19E-09	1.32E-10	3.26E-12	1.35E-10
3070	436920.19	3724454.04	1.11E-09	3.04E-11	1.14E-09	2.27E-10	6.73E-12	2.34E-10	1.18E-09	3.18E-11	1.22E-09	1.35E-10	3.39E-12	1.38E-10
3071	437422.02	3725105.67	3.03E-08	3.02E-10	3.06E-08	6.55E-09	5.86E-11	6.61E-09	3.29E-08	2.76E-10	3.32E-08	4.19E-09	2.77E-11	4.22E-09
3072	437414.68	3725112.3	2.92E-08	3.05E-10	2.95E-08	6.32E-09	5.95E-11	6.38E-09	3.18E-08	2.80E-10	3.21E-08	4.03E-09	2.82E-11	4.06E-09
3073	437423.31	3725077.57	2.26E-08	2.55E-10	2.28E-08	4.85E-09	4.91E-11	4.90E-09	2.45E-08	2.31E-10	2.47E-08	3.07E-09	2.31E-11	3.09E-09
3074	437415.97	3725084.2	2.24E-08	2.59E-10	2.27E-08	4.82E-09	5.00E-11	4.87E-09	2.44E-08	2.35E-10	2.46E-08	3.04E-09	2.35E-11	3.06E-09
3075	437408.62	3725090.82	2.22E-08	2.62E-10	2.24E-08	4.75E-09	5.09E-11	4.81E-09	2.41E-08	2.40E-10	2.43E-08	3.00E-09	2.40E-11	3.02E-09
3076	437431.95	3725042.85	1.65E-08	2.11E-10	1.67E-08	3.52E-09	4.04E-11	3.56E-09	1.79E-08	1.90E-10	1.81E-08	2.20E-09	1.90E-11	2.22E-09
3077	437424.6	3725049.47	1.69E-08	2.15E-10	1.71E-08	3.61E-09	4.13E-11	3.65E-09	1.83E-08	1.94E-10	1.85E-08	2.25E-09	1.94E-11	2.27E-09
3078	437417.26	3725056.1	1.72E-08	2.19E-10	1.74E-08	3.67E-09	4.21E-11	3.71E-09	1.86E-08	1.98E-10	1.88E-08	2.29E-09	1.98E-11	2.31E-09
3079	437409.92	3725062.72	1.74E-08	2.23E-10	1.76E-08	3.70E-09	4.30E-11	3.75E-09	1.88E-08	2.02E-10	1.90E-08	2.31E-09	2.02E-11	2.33E-09
3080	437402.57	3725069.35	1.74E-08	2.27E-10	1.77E-08	3.71E-09	4.39E-11	3.76E-09	1.89E-08	2.07E-10	1.91E-08	2.32E-09	2.07E-11	2.34E-09
3081	437395.23	3725075.98	1.74E-08	2.30E-10	1.76E-08	3.70E-09	4.48E-11	3.75E-09	1.88E-08	2.11E-10	1.90E-08	2.31E-09	2.12E-11	2.33E-09
3082	437387.88	3725082.6	1.72E-08	2.33E-10	1.75E-08	3.67E-09	4.57E-11	3.71E-09	1.87E-08	2.15E-10	1.89E-08	2.29E-09	2.17E-11	2.31E-09
3083	437418.55	3725028	1.33E-08	1.86E-10	1.35E-08	2.81E-09	3.57E-11	2.85E-09	1.44E-08	1.68E-10	1.45E-08	1.74E-09	1.68E-11	1.75E-09
3084	437411.21	3725034.62	1.36E-08	1.90E-10	1.38E-08	2.88E-09	3.65E-11	2.92E-09	1.47E-08	1.72E-10	1.49E-08	1.78E-09	1.71E-11	1.80E-09
3085	437403.86	3725041.25	1.39E-08	1.94E-10	1.41E-08	2.94E-09	3.73E-11	2.97E-09	1.50E-08	1.76E-10	1.52E-08	1.82E-09	1.76E-11	1.84E-09
3086	437396.52	3725047.87	1.40E-08	1.97E-10	1.42E-08	2.97E-09	3.81E-11	3.01E-09	1.52E-08	1.80E-10	1.54E-08	1.84E-09	1.80E-11	1.86E-09
3087	437389.17	3725054.5	1.41E-08	2.01E-10	1.43E-08	2.99E-09	3.90E-11	3.03E-09	1.53E-08	1.84E-10	1.55E-08	1.85E-09	1.84E-11	1.87E-09
3088	437381.83	3725061.13	1.42E-08	2.04E-10	1.44E-08	3.00E-09	3.99E-11	3.04E-09	1.53E-08	1.88E-10	1.55E-08	1.86E-09	1.89E-11	1.88E-09
3089	437405.15	3725013.15	1.10E-08	1.66E-10	1.12E-08	2.33E-09	3.19E-11	2.36E-09	1.19E-08	1.50E-10	1.21E-08	1.43E-09	1.50E-11	1.44E-09
3090	437397.81	3725019.77	1.13E-08	1.69E-10	1.15E-08	2.39E-09	3.26E-11	2.42E-09	1.22E-08	1.54E-10	1.24E-08	1.47E-09	1.54E-11	1.48E-09
3091	437390.47	3725026.4	1.15E-08	1.73E-10	1.17E-08	2.43E-09	3.34E-11	2.47E-09	1.25E-08	1.57E-10	1.26E-08	1.50E-09	1.57E-11	1.51E-09
3092	437383.12	3725033.02	1.17E-08	1.76E-10	1.19E-08	2.47E-09	3.42E-11	2.50E-09	1.26E-08	1.61E-10	1.28E-08	1.52E-09	1.62E-11	1.53E-09
3093	437375.78	3725039.65	1.18E-08	1.79E-10	1.20E-08	2.49E-09	3.50E-11	2.53E-09	1.28E-08	1.65E-10	1.29E-08	1.53E-09	1.66E-11	1.55E-09
3094	437391.76	3724998.3	9.41E-09	1.49E-10	9.56E-09	1.97E-09	2.87E-11	2.00E-09	1.02E-08	1.35E-10	1.03E-08	1.21E-09	1.35E-11	1.22E-09
3095	437384.41	3725004.92	9.64E-09	1.52E-10	9.79E-09	2.02E-09	2.95E-11	2.05E-09	1.04E-08	1.39E-10	1.05E-08	1.24E-09	1.39E-11	1.25E-09
3096	437377.07	3725011.55	9.83E-09	1.56E-10	9.99E-09	2.06E-09	3.02E-11	2.09E-09	1.06E-08	1.42E-10	1.08E-08	1.26E-09	1.43E-11	1.28E-09
3097	437369.72	3725018.17	9.98E-09	1.59E-10	1.01E-08	2.10E-09	3.10E-11	2.13E-09	1.08E-08	1.46E-10	1.09E-08	1.28E-09	1.47E-11	1.30E-09
3098	437347.69	3725038.05	1.02E-08	1.68E-10	1.03E-08	2.14E-09	3.35E-11	2.17E-09	1.10E-08	1.58E-10	1.11E-08	1.31E-09	1.60E-11	1.32E-09
3099	437378.36	3724983.45	8.16E-09	1.35E-10	8.30E-09	1.71E-09	2.61E-11	1.73E-09	8.80E-09	1.23E-10	8.92E-09	1.04E-09	1.23E-11	1.05E-09
3100	437371.02	3724990.07	8.36E-09	1.38E-10	8.49E-09	1.75E-09	2.68E-11	1.77E-09	9.01E-09	1.26E-10	9.13E-09	1.06E-09	1.27E-11	1.08E-09
3101	437341.64	3725016.58	8.82E-09	1.50E-10	8.97E-09	1.85E-09	2.98E-11	1.88E-09	9.51E-09	1.41E-10	9.65E-09	1.13E-09	1.43E-11	1.14E-09
3102	437334.3	3725023.2	8.86E-09	1.53E-10	9.01E-09	1.86E-09	3.07E-11	1.89E-09	9.55E-09	1.45E-10	9.70E-09	1.13E-09	1.47E-11	1.15E-09
3103	437358.27	3724961.17	6.76E-09	1.18E-10	6.88E-09	1.41E-09	2.30E-11	1.43E-09	7.28E-09	1.08E-10	7.38E-09	8.51E-10	1.09E-11	8.62E-10
3104	437328.89	3724987.67	7.25E-09	1.29E-10	7.38E-09	1.51E-09	2.57E-11	1.54E-09	7.81E-09	1.21E-10	7.93E-09	9.17E-10	1.23E-11	9.29E-10
3105	437321.54	3724994.3	7.31E-09	1.32E-10	7.44E-09	1.53E-09	2.65E-11	1.55E-09	7.87E-09	1.25E-10	8.00E-09	9.25E-10	1.27E-11	9.38E-10
3106	437314.2	3725000.93	7.34E-09	1.35E-10	7.48E-09	1.53E-09	2.72E-11	1.56E-09	7.91E-09	1.28E-10	8.03E-09	9.29E-10	1.31E-11	9.42E-10
3107	437316.14	3724958.77	6.05E-09	1.12E-10	6.17E-09	1.26E-09	2.24E-11	1.28E-09	6.51E-09	1.06E-10	6.62E-09	7.60E-10	1.07E-11	7.71E-10
3108	437308.79	3724965.4	6.13E-09	1.15E-10	6.24E-09	1.28E-09	2.31E-11	1.30E-09	6.60E-09	1.09E-10	6.70E-09	7.70E-10	1.11E-11	7.81E-10
3109	437301.45	3724972.03	6.18E-09	1.17E-10	6.29E-09	1.29E-09	2.37E-11	1.31E-09	6.65E-09	1.12E-10	6.76E-09	7.76E-10	1.14E-11	7.88E-10
3110	437294.1	3724978.65	6.18E-09	1.20E-10	6.30E-09	1.29E-09	2.44E-11	1.31E-09	6.65E-09	1.15E-10	6.77E-09	7.76E-10	1.18E-11	7.88E-10
3111	437310.73	3724923.25	5.04E-09	9.61E-11	5.13E-09	1.04E-09	1.92E-11	1.06E-09	5.42E-09	9.03E-11	5.51E-09	6.28E-10	9.18E-12	6.37E-10
3112	437303.39	3724929.87	5.13E-09	9.85E-11	5.23E-09	1.06E-09	1.97E-11	1.08E-09	5.52E-09	9.30E-11	5.61E-09	6.40E-10	9.47E-12	6.49E-10
3113	437296.04	3724936.5	5.20E-09	1.01E-10	5.30E-09	1.08E-09	2.03E-11	1.10E-09	5.59E-09	9.57E-11	5.69E-09	6.49E-10	9.78E-12	6.59E-10
3114	437288.7	3724943.12	5.25E-09	1.03E-10	5.36E-09	1.09E-09	2.09E-11	1.11E-09	5.65E-09	9.85E-11	5.75E-09	6.56E-10	1.01E-11	6.66E-10
3115	437281.35	3724949.75	5.28E-09	1.05E-10	5.39E-09	1.10E-09	2.15E-11	1.12E-09	5.68E-09	1.01E-10	5.78E-09	6.59E-10	1.04E-11	6.70E-10
3116	437274.01	3724956.38	5.28E-09	1.07E-10	5.39E-09	1.10E-09	2.19E-11	1.12E-09	5.68E-09	1.03E-10	5.78E-09	6.60E-10	1.06E-11	6.70E-10

3117	437290.63	3724900.97	4.40E-09	8.71E-11	4.49E-09	9.11E-10	1.75E-11	9.29E-10	4.73E-09	8.26E-11	4.81E-09	5.46E-10	8.43E-12	5.54E-10
3118	437283.29	3724907.6	4.47E-09	8.92E-11	4.56E-09	9.27E-10	1.80E-11	9.45E-10	4.81E-09	8.50E-11	4.89E-09	5.56E-10	8.70E-12	5.64E-10
3119	437275.95	3724914.22	4.53E-09	9.13E-11	4.62E-09	9.39E-10	1.86E-11	9.58E-10	4.87E-09	8.75E-11	4.96E-09	5.63E-10	8.97E-12	5.72E-10
3120	437268.6	3724920.85	4.57E-09	9.33E-11	4.66E-09	9.46E-10	1.91E-11	9.66E-10	4.91E-09	9.00E-11	5.00E-09	5.68E-10	9.26E-12	5.77E-10
3121	437261.26	3724927.48	4.58E-09	9.47E-11	4.68E-09	9.49E-10	1.95E-11	9.69E-10	4.92E-09	9.18E-11	5.01E-09	5.69E-10	9.46E-12	5.79E-10
3122	437253.91	3724934.1	4.57E-09	9.56E-11	4.67E-09	9.48E-10	1.98E-11	9.68E-10	4.92E-09	9.32E-11	5.01E-09	5.69E-10	9.63E-12	5.79E-10
3123	437270.54	3724878.7	3.89E-09	7.95E-11	3.97E-09	8.04E-10	1.62E-11	8.20E-10	4.18E-09	7.62E-11	4.25E-09	4.81E-10	7.80E-12	4.89E-10
3124	437263.19	3724885.32	3.95E-09	8.15E-11	4.03E-09	8.17E-10	1.66E-11	8.33E-10	4.24E-09	7.84E-11	4.32E-09	4.89E-10	8.05E-12	4.97E-10
3125	437255.85	3724891.95	3.99E-09	8.33E-11	4.07E-09	8.26E-10	1.71E-11	8.43E-10	4.29E-09	8.07E-11	4.37E-09	4.94E-10	8.30E-12	5.02E-10
3126	437248.51	3724898.58	4.03E-09	8.52E-11	4.11E-09	8.33E-10	1.76E-11	8.51E-10	4.33E-09	8.29E-11	4.41E-09	4.99E-10	8.56E-12	5.07E-10
3127	437241.16	3724905.2	4.04E-09	8.62E-11	4.13E-09	8.36E-10	1.79E-11	8.54E-10	4.34E-09	8.43E-11	4.42E-09	5.00E-10	8.71E-12	5.09E-10
3128	437233.82	3724911.83	4.04E-09	8.72E-11	4.13E-09	8.36E-10	1.82E-11	8.55E-10	4.34E-09	8.58E-11	4.43E-09	5.01E-10	8.89E-12	5.10E-10
3129	437250.44	3724856.42	3.47E-09	7.32E-11	3.54E-09	7.17E-10	1.50E-11	7.32E-10	3.73E-09	7.07E-11	3.80E-09	4.28E-10	7.28E-12	4.35E-10
3130	437243.1	3724863.05	3.52E-09	7.50E-11	3.60E-09	7.28E-10	1.54E-11	7.43E-10	3.78E-09	7.28E-11	3.86E-09	4.35E-10	7.50E-12	4.42E-10
3131	437235.75	3724869.67	3.56E-09	7.67E-11	3.64E-09	7.36E-10	1.59E-11	7.52E-10	3.82E-09	7.48E-11	3.90E-09	4.40E-10	7.73E-12	4.48E-10
3132	437228.41	3724876.3	3.59E-09	7.82E-11	3.67E-09	7.42E-10	1.63E-11	7.59E-10	3.86E-09	7.67E-11	3.93E-09	4.44E-10	7.95E-12	4.52E-10
3133	437221.07	3724882.93	3.61E-09	7.95E-11	3.69E-09	7.47E-10	1.66E-11	7.64E-10	3.88E-09	7.84E-11	3.96E-09	4.47E-10	8.13E-12	4.55E-10
3134	437213.72	3724889.55	3.64E-09	8.09E-11	3.72E-09	7.52E-10	1.70E-11	7.69E-10	3.90E-09	8.03E-11	3.98E-09	4.50E-10	8.35E-12	4.58E-10
3135	437230.35	3724834.15	3.13E-09	6.78E-11	3.19E-09	6.45E-10	1.40E-11	6.59E-10	3.36E-09	6.61E-11	3.42E-09	3.85E-10	6.82E-12	3.92E-10
3136	437223	3724840.77	3.17E-09	6.94E-11	3.24E-09	6.55E-10	1.44E-11	6.70E-10	3.41E-09	6.80E-11	3.48E-09	3.91E-10	7.03E-12	3.98E-10
3137	437215.66	3724847.4	3.21E-09	7.10E-11	3.28E-09	6.63E-10	1.48E-11	6.78E-10	3.45E-09	6.99E-11	3.52E-09	3.96E-10	7.25E-12	4.03E-10
3138	437208.32	3724854.03	3.24E-09	7.26E-11	3.31E-09	6.69E-10	1.52E-11	6.85E-10	3.48E-09	7.18E-11	3.55E-09	4.00E-10	7.47E-12	4.07E-10
3139	437200.97	3724860.65	3.26E-09	7.37E-11	3.33E-09	6.74E-10	1.55E-11	6.89E-10	3.50E-09	7.33E-11	3.57E-09	4.02E-10	7.63E-12	4.10E-10
3140	437193.63	3724867.28	3.30E-09	7.58E-11	3.38E-09	6.83E-10	1.61E-11	6.99E-10	3.55E-09	7.58E-11	3.62E-09	4.08E-10	7.91E-12	4.16E-10
3141	437210.25	3724811.87	2.84E-09	6.32E-11	2.90E-09	5.85E-10	1.32E-11	5.99E-10	3.05E-09	6.20E-11	3.11E-09	3.49E-10	6.43E-12	3.55E-10
3142	437202.91	3724818.5	2.88E-09	6.47E-11	2.94E-09	5.94E-10	1.35E-11	6.07E-10	3.09E-09	6.38E-11	3.15E-09	3.54E-10	6.62E-12	3.61E-10
3143	437195.56	3724825.12	2.92E-09	6.61E-11	2.98E-09	6.01E-10	1.39E-11	6.15E-10	3.13E-09	6.56E-11	3.19E-09	3.59E-10	6.82E-12	3.66E-10
3144	437188.22	3724831.75	2.95E-09	6.76E-11	3.02E-09	6.09E-10	1.43E-11	6.24E-10	3.17E-09	6.74E-11	3.24E-09	3.64E-10	7.03E-12	3.71E-10
3145	437180.88	3724838.38	2.99E-09	6.91E-11	3.06E-09	6.17E-10	1.47E-11	6.32E-10	3.21E-09	6.92E-11	3.28E-09	3.68E-10	7.23E-12	3.76E-10
3146	437173.53	3724845	3.02E-09	7.06E-11	3.09E-09	6.24E-10	1.51E-11	6.39E-10	3.24E-09	7.11E-11	3.31E-09	3.73E-10	7.45E-12	3.80E-10
3147	437197.5	3724782.97	2.55E-09	5.78E-11	2.61E-09	5.26E-10	1.21E-11	5.38E-10	2.74E-09	5.69E-11	2.80E-09	3.13E-10	5.91E-12	3.19E-10
3148	437190.16	3724789.6	2.60E-09	5.92E-11	2.66E-09	5.35E-10	1.24E-11	5.47E-10	2.79E-09	5.85E-11	2.84E-09	3.19E-10	6.08E-12	3.25E-10
3149	437182.81	3724796.22	2.64E-09	6.05E-11	2.70E-09	5.43E-10	1.27E-11	5.56E-10	2.83E-09	6.01E-11	2.89E-09	3.24E-10	6.26E-12	3.30E-10
3150	437175.47	3724802.85	2.67E-09	6.19E-11	2.73E-09	5.51E-10	1.31E-11	5.64E-10	2.87E-09	6.18E-11	2.93E-09	3.28E-10	6.45E-12	3.35E-10
3151	437168.12	3724809.48	2.70E-09	6.33E-11	2.77E-09	5.58E-10	1.34E-11	5.71E-10	2.90E-09	6.35E-11	2.97E-09	3.33E-10	6.63E-12	3.39E-10
3152	437160.78	3724816.1	2.73E-09	6.46E-11	2.80E-09	5.64E-10	1.38E-11	5.78E-10	2.94E-09	6.51E-11	3.00E-09	3.37E-10	6.82E-12	3.44E-10
3153	437153.44	3724822.73	2.76E-09	6.60E-11	2.83E-09	5.70E-10	1.42E-11	5.84E-10	2.96E-09	6.69E-11	3.03E-09	3.40E-10	7.02E-12	3.48E-10
3154	437177.41	3724760.7	2.35E-09	5.44E-11	2.41E-09	4.84E-10	1.14E-11	4.96E-10	2.52E-09	5.39E-11	2.58E-09	2.88E-10	5.61E-12	2.94E-10
3155	437170.06	3724767.32	2.39E-09	5.57E-11	2.45E-09	4.92E-10	1.17E-11	5.04E-10	2.56E-09	5.54E-11	2.62E-09	2.93E-10	5.78E-12	2.99E-10
3156	437162.72	3724773.95	2.42E-09	5.69E-11	2.48E-09	5.00E-10	1.21E-11	5.12E-10	2.60E-09	5.69E-11	2.66E-09	2.97E-10	5.94E-12	3.03E-10
3157	437155.37	3724780.57	2.46E-09	5.82E-11	2.52E-09	5.07E-10	1.24E-11	5.19E-10	2.64E-09	5.84E-11	2.69E-09	3.02E-10	6.11E-12	3.08E-10
3158	437148.03	3724787.2	2.49E-09	5.94E-11	2.55E-09	5.13E-10	1.27E-11	5.26E-10	2.67E-09	5.99E-11	2.73E-09	3.06E-10	6.28E-12	3.12E-10
3159	437140.68	3724793.83	2.51E-09	6.06E-11	2.57E-09	5.19E-10	1.30E-11	5.32E-10	2.70E-09	6.15E-11	2.76E-09	3.09E-10	6.45E-12	3.16E-10
3160	437133.34	3724800.45	2.54E-09	6.19E-11	2.60E-09	5.24E-10	1.33E-11	5.37E-10	2.72E-09	6.30E-11	2.79E-09	3.12E-10	6.63E-12	3.19E-10
3161	437150.61	3724731	2.13E-09	5.04E-11	2.18E-09	4.37E-10	1.07E-11	4.48E-10	2.28E-09	5.05E-11	2.33E-09	2.60E-10	5.27E-12	2.65E-10
3162	437143.27	3724737.62	2.16E-09	5.16E-11	2.21E-09	4.44E-10	1.10E-11	4.55E-10	2.31E-09	5.18E-11	2.37E-09	2.64E-10	5.42E-12	2.70E-10
3163	437135.92	3724744.25	2.19E-09	5.27E-11	2.24E-09	4.50E-10	1.13E-11	4.62E-10	2.35E-09	5.31E-11	2.40E-09	2.68E-10	5.56E-12	2.74E-10
3164	437128.58	3724750.88	2.21E-09	5.38E-11	2.27E-09	4.56E-10	1.15E-11	4.68E-10	2.38E-09	5.44E-11	2.43E-09	2.72E-10	5.71E-12	2.77E-10
3165	437121.23	3724757.5	2.24E-09	5.49E-11	2.29E-09	4.62E-10	1.18E-11	4.74E-10	2.40E-09	5.58E-11	2.46E-09	2.75E-10	5.87E-12	2.81E-10
3166	437113.89	3724764.13	2.26E-09	5.60E-11	2.32E-09	4.67E-10	1.21E-11	4.79E-10	2.43E-09	5.71E-11	2.49E-09	2.78E-10	6.02E-12	2.84E-10
3167	437106.55	3724770.75	2.28E-09	5.71E-11	2.34E-09	4.71E-10	1.24E-11	4.84E-10	2.45E-09	5.85E-11	2.51E-09	2.81E-10	6.18E-12	2.87E-10
3168	437123.82	3724701.3	1.93E-09	4.70E-11	1.98E-09	3.98E-10	1.00E-11	4.08E-10	2.07E-09	4.74E-11	2.12E-09	2.36E-10	4.96E-12	2.41E-10
3169	437116.47	3724707.92	1.96E-09	4.80E-11	2.01E-09	4.04E-10	1.03E-11	4.14E-10	2.10E-09	4.85E-11	2.15E-09	2.40E-10	5.09E-12	2.45E-10
3170	437109.13	3724714.55	1.99E-09	4.90E-11	2.03E-09	4.09E-10	1.05E-11	4.19E-10	2.13E-09	4.97E-11	2.18E-09	2.43E-10	5.22E-12	2.48E-10
3171	437101.78	3724721.18	2.01E-09	5.00E-11	2.06E-09	4.14E-10	1.08E-11	4.25E-10	2.16E-09	5.10E-11	2.21E-09	2.46E-10	5.36E-12	2.52E-10
3172	437094.44	3724727.8	2.04E-09	5.10E-11	2.09E-09	4.19E-10	1.11E-11	4.30E-10	2.18E-09	5.22E-11	2.24E-09	2.50E-10	5.51E-12	2.55E-10
3173	437087.1	3724734.43	2.06E-09	5.20E-11	2.11E-09	4.24E-10	1.13E-11	4.35E-10	2.21E-09	5.35E-11	2.26E-09	2.53E-10	5.65E-12	2.58E-10
3174	437079.75	3724741.05	2.08E-09	5.30E-11	2.13E-09	4.28E-10	1.16E-11	4.40E-10	2.23E-09	5.47E-11	2.28E-09	2.55E-10	5.79E-12	2.61E-10
3175	437097.02	3724671.6	1.77E-09	4.40E-11	1.82E-09	3.65E-10	9.46E-12	3.74E-10	1.90E-09	4.47E-11	1.94E-09	2.17E-10	4.69E-12	2.21E-10
3176	437089.68	3724678.22	1.80E-09	4.49E-11	1.84E-09	3.70E-10	9.70E-12	3.80E-10	1.93E-09	4.58E-11	1.97E-09	2.20E-10	4.82E-12	2.25E-10
3177	437082.34	3724684.85	1.82E-09	4.59E-11	1.87E-09	3.75E-10	9.93E-12	3.85E-10	1.95E-09	4.69E-11	2.00E-09	2.23E-10	4.94E-12	2.28E-10
3178	437074.99	3724691.48	1.84E-09	4.68E-11	1.89E-09	3.79E-10	1.02E-11	3.90E-10	1.98E-09	4.80E-11	2.02E-09	2.26E-10	5.07E-12	2.31E-10
3179	437067.65	3724698.1	1.86E-09	4.77E-11	1.91E-09	3.84E-10	1.04E-11	3.94E-10	2.00E-09	4.91E-11	2.05E-09	2.29E-10	5.19E-12	2.34E-10
3180	437060.3	3724704.73	1.89E-09	4.87E-11	1.93E-09	3.88E-10	1.07E-11	3.99E-10	2.02E-09	5.03E-11	2.07E-09	2.31E-10	5.33E-12	2.37E-10
3181	437052.96	3724711.35	1.90E-09	4.96E-11	1.95E-09	3.92E-10	1.09E-11	4.03E-10	2.04E-09	5.14E-11	2.09E-09	2.34E-10	5.45E-12	2.39E-10
3182	437070.23	3724641.9	1.64E-09	4.15E-11	1.68E-09	3.37E-10	8.98E-12	3.46E-10	1.76E-09	4.24E-11	1.80E-09	2.00E-10	4.47E-12	2.04E-10
3183	437062.89	3724648.52	1.66E-09	4.23E-11	1.70E-09	3.41E-10	9.19E-12	3.51E-10	1.78E-09	4.34E-11	1.82E-09	2.03E-10	4.58E-12	2.07E-10
3184	437055.54	3724655.15	1.68E-09	4.32E-11	1.72E-09	3.46E-10	9.41E-12	3.55E-10	1.80E-09	4.44E-11	1.85E-09	2.06E-10	4.69E-12	2.10E-10
3185	437048.2	3724661.78	1.70E-09	4.40E-11	1.75E-09	3.50E-10	9.62E-12	3.60E-10	1.82E-09	4.54E-11	1.87E-09	2.08E-10	4.81E-12	2.13E-10
3186	437040.85	3724668.4	1.72E-09	4.49E-11	1.77E-09	3.54E-10	9.84E-12	3.64E-10	1.85E-09	4.65E-11	1.89E-09	2.11E-10	4.93E-12	2.16E-10
3187	437033.51	3724675.03	1.74E-09	4.57E-11	1.78E-09	3.58E-10	1.01E-11	3.68E-10	1.86E-09	4.75E-11	1.91E-09	2.13E-10	5.04E-12	2.18E-10
3188	437026.16	3724681.65	1.76E-09	4.66E-11	1.80E-09	3.62E-10	1.03E-11	3.72E-10	1.88E-09	4.86E-11	1.93E-09	2.15E-10	5.16E-12	2.21E-10
3189	437043.44	3724612.2	1.52E-09	3.92E-11	1.56E-09	3.13E-10	8.53E-12	3.21E-10	1.63E-09	4.03E-11	1.67E-09	1.86E-10	4.26E-12	1.90E-10
3190	437036.09	3724618.82	1.54E-09	4.00E-11	1.58E-09	3.17E-10	8.73E-12	3.26E-10	1.65E-09	4.12E-11	1.69E-09	1.88E-10	4.36E-12	1.93E-10
3191	437028.75	3724625.45	1.56E-09	4.08E-11	1.60E-09	3.21E-10	8.93E-12	3.30E-10	1.67E-09	4.22E-11	1.71E-09	1.91E-10	4.46E-12	1.95E-10
3192	437021.4	3724632.08	1.58E-09	4.16E-11	1.62E-09	3.25E-10	9.13E-12	3.34E-10	1.69E-09	4.31E-11	1.74E-09	1.93E-10	4.57E-12	1.98E-10
3193	437014.06	3724638.7	1.60E-09	4.23E-11	1.64E-09	3.28E-10	9.32E-12	3.38E-10	1.71E-09	4.40E-11	1.75E-09	1.95E-10	4.67E-12	2.00E-10
3194	437016.64	3724582.5	1.42E-09	3.72E-11	1.45E-09	2.91E-10	8.13E-12	3.00E-10	1.52E-09	3.84E-11	1.56E-09	1.73E-10	4.06E-12	1.77E-10

3195	437009.3	3724589.12	1.44E-09	3.79E-11	1.47E-09	2.95E-10	8.31E-12	3.04E-10	1.54E-09	3.93E-11	1.58E-09	1.75E-10	4.16E-12	1.80E-10
3196	437001.95	3724595.75	1.45E-09	3.86E-11	1.49E-09	2.99E-10	8.49E-12	3.07E-10	1.56E-09	4.01E-11	1.60E-09	1.78E-10	4.25E-12	1.82E-10
3197	436994.61	3724602.38	1.47E-09	3.93E-11	1.51E-09	3.02E-10	8.67E-12	3.11E-10	1.58E-09	4.09E-11	1.62E-09	1.80E-10	4.35E-12	1.84E-10
3198	436987.26	3724609	1.49E-09	4.00E-11	1.53E-09	3.06E-10	8.85E-12	3.15E-10	1.59E-09	4.18E-11	1.63E-09	1.82E-10	4.45E-12	1.86E-10
3199	436979.92	3724615.63	1.50E-09	4.07E-11	1.54E-09	3.09E-10	9.02E-12	3.18E-10	1.61E-09	4.26E-11	1.65E-09	1.84E-10	4.54E-12	1.88E-10
3200	436972.58	3724622.25	1.51E-09	4.13E-11	1.55E-09	3.12E-10	9.20E-12	3.21E-10	1.62E-09	4.35E-11	1.67E-09	1.85E-10	4.64E-12	1.90E-10
3201	436989.85	3724552.8	1.33E-09	3.54E-11	1.36E-09	2.73E-10	7.78E-12	2.81E-10	1.42E-09	3.67E-11	1.46E-09	1.62E-10	3.90E-12	1.66E-10
3202	436982.5	3724559.42	1.35E-09	3.60E-11	1.38E-09	2.77E-10	7.94E-12	2.85E-10	1.44E-09	3.75E-11	1.48E-09	1.64E-10	3.98E-12	1.68E-10
3203	436975.16	3724566.05	1.36E-09	3.67E-11	1.40E-09	2.80E-10	8.10E-12	2.88E-10	1.46E-09	3.83E-11	1.50E-09	1.66E-10	4.07E-12	1.70E-10
3204	436967.81	3724572.68	1.38E-09	3.73E-11	1.41E-09	2.83E-10	8.26E-12	2.91E-10	1.47E-09	3.90E-11	1.51E-09	1.68E-10	4.15E-12	1.72E-10
3205	436960.47	3724579.3	1.39E-09	3.79E-11	1.43E-09	2.86E-10	8.42E-12	2.94E-10	1.49E-09	3.98E-11	1.53E-09	1.70E-10	4.24E-12	1.74E-10
3206	436953.13	3724585.93	1.40E-09	3.85E-11	1.44E-09	2.89E-10	8.59E-12	2.97E-10	1.50E-09	4.06E-11	1.54E-09	1.72E-10	4.33E-12	1.76E-10
3207	436945.78	3724592.55	1.41E-09	3.92E-11	1.45E-09	2.91E-10	8.75E-12	3.00E-10	1.52E-09	4.13E-11	1.56E-09	1.73E-10	4.41E-12	1.78E-10
3208	436963.05	3724523.1	1.26E-09	3.39E-11	1.29E-09	2.58E-10	7.49E-12	2.66E-10	1.35E-09	3.54E-11	1.38E-09	1.53E-10	3.76E-12	1.57E-10
3209	436955.71	3724529.72	1.27E-09	3.45E-11	1.31E-09	2.61E-10	7.64E-12	2.69E-10	1.36E-09	3.61E-11	1.40E-09	1.55E-10	3.84E-12	1.59E-10
3210	436948.37	3724536.35	1.29E-09	3.51E-11	1.32E-09	2.64E-10	7.79E-12	2.72E-10	1.38E-09	3.68E-11	1.41E-09	1.57E-10	3.92E-12	1.61E-10
3211	436941.02	3724542.98	1.30E-09	3.57E-11	1.33E-09	2.67E-10	7.94E-12	2.75E-10	1.39E-09	3.75E-11	1.43E-09	1.59E-10	4.00E-12	1.63E-10
3212	436933.68	3724549.6	1.31E-09	3.62E-11	1.35E-09	2.70E-10	8.08E-12	2.78E-10	1.40E-09	3.82E-11	1.44E-09	1.60E-10	4.07E-12	1.64E-10
3213	436936.26	3724493.4	1.19E-09	3.25E-11	1.22E-09	2.44E-10	7.20E-12	2.51E-10	1.27E-09	3.40E-11	1.31E-09	1.45E-10	3.62E-12	1.49E-10
3214	436928.92	3724500.02	1.20E-09	3.31E-11	1.23E-09	2.47E-10	7.35E-12	2.55E-10	1.29E-09	3.47E-11	1.32E-09	1.47E-10	3.70E-12	1.51E-10
3215	436921.57	3724506.65	1.22E-09	3.36E-11	1.25E-09	2.50E-10	7.49E-12	2.57E-10	1.30E-09	3.54E-11	1.34E-09	1.49E-10	3.77E-12	1.52E-10
3216	436909.47	3724463.7	1.12E-09	3.11E-11	1.16E-09	2.31E-10	6.92E-12	2.38E-10	1.21E-09	3.27E-11	1.24E-09	1.37E-10	3.49E-12	1.41E-10
3217	436902.12	3724470.32	1.14E-09	3.16E-11	1.17E-09	2.34E-10	7.05E-12	2.41E-10	1.22E-09	3.33E-11	1.25E-09	1.39E-10	3.55E-12	1.42E-10

			T2		T2L3		T3		T4	
			1023	437662.98						
			5.91E-02	1.39E-03	1.18E-02	2.65E-04	6.30E-02	1.25E-03	6.74E-03	1.24E-04
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	437487.6	3725277	8.86E-03	1.45E-04	1.90E-03	3.24E-05	9.62E-03	1.53E-04	1.21E-03	1.63E-05
2	437484.5	3725269	9.00E-03	1.29E-04	1.94E-03	2.83E-05	9.78E-03	1.34E-04	1.24E-03	1.42E-05
3	437503.2	3725300	9.85E-03	2.16E-04	2.09E-03	4.96E-05	1.07E-02	2.35E-04	1.30E-03	2.53E-05
4	437480.2	3725284	7.68E-03	1.45E-04	1.65E-03	3.32E-05	8.33E-03	1.57E-04	1.04E-03	1.70E-05
5	437474.3	3725267	7.77E-03	1.15E-04	1.68E-03	2.55E-05	8.46E-03	1.21E-04	1.07E-03	1.29E-05
6	437483.2	3725293	7.71E-03	1.63E-04	1.65E-03	3.82E-05	8.35E-03	1.81E-04	1.04E-03	1.96E-05
7	437495.8	3725307	8.71E-03	2.17E-04	1.85E-03	5.16E-05	9.42E-03	2.44E-04	1.15E-03	2.67E-05
8	437472.8	3725291	6.74E-03	1.45E-04	1.44E-03	3.43E-05	7.31E-03	1.62E-04	9.10E-04	1.77E-05
9	437467	3725275	6.69E-03	1.15E-04	1.44E-03	2.63E-05	7.26E-03	1.24E-04	9.15E-04	1.34E-05
10	437465.4	3725298	6.01E-03	1.48E-04	1.29E-03	3.59E-05	6.51E-03	1.70E-04	8.09E-04	1.87E-05
11	437459.7	3725282	5.84E-03	1.16E-04	1.26E-03	2.72E-05	6.34E-03	1.29E-04	7.94E-04	1.40E-05
12	437454	3725266	5.78E-03	9.29E-05	1.25E-03	2.11E-05	6.29E-03	9.97E-05	7.96E-04	1.07E-05
13	437474.6	3725313	6.61E-03	1.97E-04	1.41E-03	4.91E-05	7.14E-03	2.33E-04	8.82E-04	2.58E-05
14	437458	3725305	5.38E-03	1.53E-04	1.15E-03	3.78E-05	5.82E-03	1.79E-04	7.21E-04	1.98E-05
15	437452.4	3725289	5.10E-03	1.18E-04	1.09E-03	2.82E-05	5.52E-03	1.34E-04	6.87E-04	1.46E-05
16	437446.7	3725273	4.99E-03	9.36E-05	1.07E-03	2.17E-05	5.41E-03	1.03E-04	6.79E-04	1.11E-05
17	437441	3725257	4.94E-03	7.62E-05	1.07E-03	1.72E-05	5.37E-03	8.12E-05	6.81E-04	8.70E-06
18	437467.2	3725320	6.05E-03	2.06E-04	1.29E-03	5.25E-05	6.54E-03	2.49E-04	8.11E-04	2.78E-05
19	437473.5	3725327	6.57E-03	2.43E-04	1.40E-03	6.25E-05	7.09E-03	2.96E-04	8.79E-04	3.33E-05
20	437442.9	3725317	4.41E-03	1.60E-04	9.41E-04	4.12E-05	4.77E-03	1.95E-04	5.92E-04	2.19E-05
21	437439.9	3725309	4.17E-03	1.35E-04	8.89E-04	3.40E-05	4.51E-03	1.61E-04	5.57E-04	1.80E-05
22	437436.8	3725300	3.98E-03	1.15E-04	8.48E-04	2.85E-05	4.30E-03	1.35E-04	5.31E-04	1.50E-05
23	437433.7	3725292	3.87E-03	1.02E-04	8.25E-04	2.49E-05	4.18E-03	1.18E-04	5.17E-04	1.30E-05
24	437430.7	3725283	3.77E-03	9.02E-05	8.06E-04	2.16E-05	4.09E-03	1.02E-04	5.06E-04	1.12E-05
25	437427.6	3725274	3.69E-03	8.03E-05	7.90E-04	1.89E-05	4.00E-03	8.96E-05	4.97E-04	9.76E-06
26	437424.6	3725266	3.62E-03	7.20E-05	7.75E-04	1.67E-05	3.92E-03	7.91E-05	4.89E-04	8.57E-06
27	437446	3725326	4.70E-03	1.92E-04	1.00E-03	5.00E-05	5.08E-03	2.37E-04	6.32E-04	2.68E-05
28	437452.3	3725333	5.21E-03	2.32E-04	1.11E-03	6.12E-05	5.63E-03	2.90E-04	7.05E-04	3.29E-05
29	437458.6	3725340	5.80E-03	2.81E-04	1.24E-03	7.50E-05	6.27E-03	3.56E-04	7.88E-04	4.04E-05
30	437428.1	3725331	3.79E-03	1.66E-04	8.11E-04	4.38E-05	4.10E-03	2.08E-04	5.12E-04	2.35E-05
31	437422.2	3725314	3.35E-03	1.18E-04	7.14E-04	3.02E-05	3.62E-03	1.43E-04	4.48E-04	1.60E-05
32	437419.2	3725306	3.19E-03	1.03E-04	6.80E-04	2.57E-05	3.45E-03	1.22E-04	4.26E-04	1.36E-05
33	437431.1	3725339	4.12E-03	2.03E-04	8.83E-04	5.44E-05	4.45E-03	2.58E-04	5.61E-04	2.94E-05
34	437437.4	3725347	4.75E-03	2.61E-04	1.02E-03	7.08E-05	5.13E-03	3.36E-04	6.52E-04	3.83E-05
35	437443.7	3725354	5.54E-03	3.39E-04	1.20E-03	9.31E-05	5.99E-03	4.42E-04	7.68E-04	5.06E-05
36	437413.1	3725344	3.32E-03	1.69E-04	7.11E-04	4.53E-05	3.58E-03	2.15E-04	4.51E-04	2.44E-05
37	437409.9	3725335	3.05E-03	1.39E-04	6.52E-04	3.66E-05	3.30E-03	1.74E-04	4.12E-04	1.97E-05
38	437406.8	3725326	2.86E-03	1.17E-04	6.09E-04	3.04E-05	3.09E-03	1.44E-04	3.83E-04	1.62E-05
39	437416.2	3725353	3.70E-03	2.13E-04	7.96E-04	5.80E-05	3.99E-03	2.75E-04	5.09E-04	3.14E-05
40	437422.5	3725360	4.40E-03	2.84E-04	9.51E-04	7.84E-05	4.75E-03	3.72E-04	6.13E-04	4.27E-05
41	437359.4	3725228	1.61E-03	3.66E-05	3.42E-04	8.44E-06	1.74E-03	3.99E-05	2.12E-04	4.31E-06
42	437363.4	3725220	1.66E-03	3.52E-05	3.52E-04	8.01E-06	1.80E-03	3.79E-05	2.19E-04	4.07E-06
43	437410.7	3725121	2.31E-03	2.44E-05	4.99E-04	4.79E-06	2.51E-03	2.26E-05	3.18E-04	2.28E-06
44	437339.4	3725227	1.32E-03	3.31E-05	2.78E-04	7.76E-06	1.42E-03	3.67E-05	1.72E-04	3.99E-06
45	437347.1	3725211	1.37E-03	3.07E-05	2.90E-04	7.02E-06	1.48E-03	3.32E-05	1.80E-04	3.57E-06
46	437354.9	3725195	1.43E-03	2.85E-05	3.02E-04	6.32E-06	1.54E-03	2.99E-05	1.87E-04	3.18E-06
47	437397.4	3725106	1.73E-03	2.12E-05	3.71E-04	4.17E-06	1.88E-03	1.96E-05	2.34E-04	1.98E-06
48	437340.4	3725305	1.43E-03	5.62E-05	3.04E-04	1.44E-05	1.55E-03	6.84E-05	1.90E-04	7.68E-06
49	437337.3	3725296	1.39E-03	5.19E-05	2.94E-04	1.32E-05	1.50E-03	6.27E-05	1.84E-04	7.02E-06
50	437334.2	3725287	1.34E-03	4.79E-05	2.84E-04	1.21E-05	1.45E-03	5.74E-05	1.77E-04	6.41E-06
51	437331.1	3725278	1.30E-03	4.45E-05	2.74E-04	1.11E-05	1.40E-03	5.28E-05	1.70E-04	5.88E-06
52	437319.6	3725226	1.10E-03	3.03E-05	2.32E-04	7.23E-06	1.19E-03	3.42E-05	1.43E-04	3.74E-06

53	437323.6	3725218	1.12E-03	2.91E-05	2.35E-04	6.86E-06	1.20E-03	3.24E-05	1.45E-04	3.53E-06
54	437327.6	3725209	1.14E-03	2.80E-05	2.40E-04	6.51E-06	1.23E-03	3.08E-05	1.48E-04	3.34E-06
55	437331.6	3725201	1.15E-03	2.69E-05	2.43E-04	6.17E-06	1.24E-03	2.92E-05	1.50E-04	3.15E-06
56	437335.7	3725192	1.17E-03	2.59E-05	2.46E-04	5.85E-06	1.26E-03	2.76E-05	1.52E-04	2.96E-06
57	437339.7	3725184	1.18E-03	2.49E-05	2.50E-04	5.54E-06	1.28E-03	2.62E-05	1.54E-04	2.79E-06
58	437338.3	3725354	1.59E-03	8.67E-05	3.39E-04	2.34E-05	1.71E-03	1.11E-04	2.15E-04	1.26E-05
59	437335.3	3725346	1.50E-03	7.79E-05	3.21E-04	2.09E-05	1.62E-03	9.90E-05	2.03E-04	1.13E-05
60	437332.2	3725337	1.43E-03	7.04E-05	3.05E-04	1.87E-05	1.54E-03	8.88E-05	1.92E-04	1.01E-05
61	437329.2	3725328	1.36E-03	6.39E-05	2.91E-04	1.69E-05	1.47E-03	8.00E-05	1.83E-04	9.06E-06
62	437326.1	3725320	1.31E-03	5.87E-05	2.79E-04	1.54E-05	1.41E-03	7.29E-05	1.75E-04	8.24E-06
63	437323.1	3725311	1.27E-03	5.42E-05	2.69E-04	1.41E-05	1.37E-03	6.69E-05	1.68E-04	7.54E-06
64	437320	3725303	1.23E-03	5.03E-05	2.60E-04	1.30E-05	1.32E-03	6.16E-05	1.63E-04	6.93E-06
65	437317	3725294	1.19E-03	4.68E-05	2.52E-04	1.20E-05	1.28E-03	5.69E-05	1.57E-04	6.38E-06
66	437313.9	3725285	1.15E-03	4.35E-05	2.43E-04	1.11E-05	1.24E-03	5.25E-05	1.51E-04	5.88E-06
67	437310.9	3725277	1.11E-03	4.07E-05	2.36E-04	1.03E-05	1.20E-03	4.88E-05	1.46E-04	5.44E-06
68	437299.5	3725225	9.45E-04	2.84E-05	1.99E-04	6.87E-06	1.02E-03	3.25E-05	1.23E-04	3.58E-06
69	437303.5	3725217	9.56E-04	2.73E-05	2.01E-04	6.54E-06	1.03E-03	3.09E-05	1.24E-04	3.39E-06
70	437307.4	3725208	9.68E-04	2.63E-05	2.04E-04	6.22E-06	1.04E-03	2.94E-05	1.25E-04	3.21E-06
71	437311.4	3725200	9.76E-04	2.52E-05	2.05E-04	5.90E-06	1.05E-03	2.79E-05	1.26E-04	3.03E-06
72	437315.3	3725192	9.84E-04	2.42E-05	2.07E-04	5.59E-06	1.06E-03	2.64E-05	1.27E-04	2.86E-06
73	437319.3	3725184	9.93E-04	2.33E-05	2.09E-04	5.31E-06	1.07E-03	2.51E-05	1.29E-04	2.70E-06
74	437346.9	3725126	1.13E-03	1.98E-05	2.39E-04	4.15E-06	1.22E-03	1.96E-05	1.48E-04	2.03E-06
75	437350.8	3725117	1.15E-03	1.92E-05	2.42E-04	3.99E-06	1.24E-03	1.88E-05	1.50E-04	1.94E-06
76	437354.8	3725109	1.16E-03	1.87E-05	2.46E-04	3.84E-06	1.25E-03	1.81E-05	1.52E-04	1.86E-06
77	437358.7	3725101	1.17E-03	1.82E-05	2.47E-04	3.69E-06	1.26E-03	1.74E-05	1.53E-04	1.78E-06
78	437320.7	3725360	1.42E-03	8.03E-05	3.04E-04	2.17E-05	1.53E-03	1.03E-04	1.93E-04	1.18E-05
79	437317.7	3725352	1.34E-03	7.26E-05	2.87E-04	1.95E-05	1.45E-03	9.27E-05	1.82E-04	1.06E-05
80	437314.7	3725343	1.28E-03	6.65E-05	2.74E-04	1.78E-05	1.39E-03	8.44E-05	1.73E-04	9.59E-06
81	437311.7	3725334	1.23E-03	6.09E-05	2.62E-04	1.62E-05	1.32E-03	7.68E-05	1.65E-04	8.71E-06
82	437308.7	3725326	1.17E-03	5.58E-05	2.49E-04	1.47E-05	1.26E-03	6.99E-05	1.57E-04	7.92E-06
83	437305.7	3725317	1.13E-03	5.18E-05	2.41E-04	1.36E-05	1.22E-03	6.46E-05	1.51E-04	7.30E-06
84	437302.7	3725309	1.09E-03	4.82E-05	2.32E-04	1.26E-05	1.18E-03	5.97E-05	1.45E-04	6.74E-06
85	437299.7	3725300	1.06E-03	4.50E-05	2.24E-04	1.17E-05	1.14E-03	5.53E-05	1.40E-04	6.23E-06
86	437296.7	3725292	1.02E-03	4.20E-05	2.17E-04	1.08E-05	1.10E-03	5.14E-05	1.35E-04	5.77E-06
87	437293.7	3725283	9.94E-04	3.95E-05	2.10E-04	1.01E-05	1.07E-03	4.79E-05	1.31E-04	5.38E-06
88	437290.7	3725275	9.68E-04	3.72E-05	2.05E-04	9.48E-06	1.04E-03	4.49E-05	1.27E-04	5.03E-06
89	437279.5	3725224	8.28E-04	2.67E-05	1.74E-04	6.54E-06	8.92E-04	3.09E-05	1.07E-04	3.42E-06
90	437287.3	3725208	8.43E-04	2.49E-05	1.77E-04	5.97E-06	9.09E-04	2.83E-05	1.09E-04	3.10E-06
91	437295	3725192	8.50E-04	2.29E-05	1.79E-04	5.39E-06	9.17E-04	2.55E-05	1.10E-04	2.78E-06
92	437298.9	3725183	8.55E-04	2.21E-05	1.80E-04	5.13E-06	9.21E-04	2.43E-05	1.10E-04	2.63E-06
93	437326.1	3725126	9.40E-04	1.82E-05	1.98E-04	3.90E-06	1.01E-03	1.84E-05	1.21E-04	1.93E-06
94	437333.9	3725110	9.72E-04	1.77E-05	2.05E-04	3.72E-06	1.05E-03	1.75E-05	1.26E-04	1.82E-06
95	437337.8	3725102	9.79E-04	1.72E-05	2.06E-04	3.58E-06	1.06E-03	1.69E-05	1.27E-04	1.75E-06
96	437345.6	3725086	9.85E-04	1.63E-05	2.08E-04	3.32E-06	1.06E-03	1.56E-05	1.28E-04	1.61E-06
97	437349.4	3725077	9.74E-04	1.58E-05	2.06E-04	3.20E-06	1.05E-03	1.51E-05	1.27E-04	1.54E-06
98	437299	3725354	1.22E-03	6.69E-05	2.61E-04	1.80E-05	1.32E-03	8.54E-05	1.65E-04	9.73E-06
99	437295.9	3725345	1.16E-03	6.10E-05	2.48E-04	1.63E-05	1.25E-03	7.75E-05	1.56E-04	8.81E-06
100	437292.8	3725337	1.10E-03	5.57E-05	2.34E-04	1.48E-05	1.19E-03	7.03E-05	1.48E-04	7.98E-06
101	437289.7	3725328	1.04E-03	5.08E-05	2.22E-04	1.35E-05	1.12E-03	6.38E-05	1.39E-04	7.23E-06
102	437286.6	3725319	1.01E-03	4.74E-05	2.14E-04	1.25E-05	1.08E-03	5.92E-05	1.34E-04	6.70E-06
103	437283.5	3725310	9.74E-04	4.44E-05	2.07E-04	1.16E-05	1.05E-03	5.51E-05	1.30E-04	6.23E-06
104	437280.4	3725301	9.43E-04	4.16E-05	2.00E-04	1.08E-05	1.02E-03	5.13E-05	1.25E-04	5.79E-06
105	437277.3	3725293	9.14E-04	3.90E-05	1.94E-04	1.01E-05	9.85E-04	4.79E-05	1.21E-04	5.39E-06
106	437274.2	3725284	8.87E-04	3.67E-05	1.88E-04	9.46E-06	9.56E-04	4.48E-05	1.17E-04	5.04E-06
107	437271.1	3725275	8.59E-04	3.45E-05	1.82E-04	8.85E-06	9.26E-04	4.19E-05	1.13E-04	4.70E-06
108	437259.6	3725223	7.35E-04	2.50E-05	1.55E-04	6.19E-06	7.92E-04	2.93E-05	9.53E-05	3.25E-06

109	437263.6	3725214	7.42E-04	2.43E-05	1.56E-04	5.95E-06	7.99E-04	2.82E-05	9.60E-05	3.11E-06
110	437267.6	3725206	7.49E-04	2.35E-05	1.57E-04	5.71E-06	8.07E-04	2.70E-05	9.67E-05	2.98E-06
111	437271.7	3725198	7.47E-04	2.25E-05	1.57E-04	5.42E-06	8.05E-04	2.57E-05	9.64E-05	2.82E-06
112	437275.7	3725189	7.47E-04	2.16E-05	1.57E-04	5.15E-06	8.05E-04	2.44E-05	9.63E-05	2.67E-06
113	437279.7	3725181	7.48E-04	2.08E-05	1.57E-04	4.90E-06	8.06E-04	2.32E-05	9.62E-05	2.52E-06
114	437307.7	3725122	8.08E-04	1.69E-05	1.70E-04	3.68E-06	8.71E-04	1.74E-05	1.04E-04	1.84E-06
115	437311.7	3725114	8.20E-04	1.66E-05	1.72E-04	3.57E-06	8.84E-04	1.69E-05	1.05E-04	1.77E-06
116	437315.7	3725105	8.29E-04	1.63E-05	1.74E-04	3.46E-06	8.94E-04	1.63E-05	1.06E-04	1.71E-06
117	437319.7	3725097	8.37E-04	1.60E-05	1.76E-04	3.36E-06	9.03E-04	1.59E-05	1.08E-04	1.65E-06
118	437323.7	3725088	8.42E-04	1.57E-05	1.77E-04	3.27E-06	9.09E-04	1.54E-05	1.08E-04	1.60E-06
119	437327.7	3725080	8.44E-04	1.52E-05	1.77E-04	3.15E-06	9.11E-04	1.48E-05	1.09E-04	1.53E-06
120	437331.7	3725072	8.44E-04	1.48E-05	1.78E-04	3.03E-06	9.11E-04	1.43E-05	1.09E-04	1.47E-06
121	437335.7	3725063	8.36E-04	1.43E-05	1.76E-04	2.91E-06	9.03E-04	1.37E-05	1.08E-04	1.41E-06
122	437339.7	3725055	8.23E-04	1.39E-05	1.73E-04	2.80E-06	8.89E-04	1.32E-05	1.06E-04	1.35E-06
123	437343.7	3725046	8.07E-04	1.35E-05	1.70E-04	2.69E-06	8.71E-04	1.27E-05	1.04E-04	1.29E-06
124	437309	3725438	1.83E-03	1.38E-04	3.98E-04	3.85E-05	1.98E-03	1.83E-04	2.58E-04	2.10E-05
125	437305.9	3725429	1.72E-03	1.25E-04	3.73E-04	3.49E-05	1.86E-03	1.65E-04	2.41E-04	1.90E-05
126	437302.9	3725420	1.62E-03	1.14E-04	3.50E-04	3.16E-05	1.75E-03	1.50E-04	2.26E-04	1.72E-05
127	437299.8	3725412	1.52E-03	1.04E-04	3.29E-04	2.86E-05	1.65E-03	1.36E-04	2.12E-04	1.56E-05
128	437296.7	3725403	1.44E-03	9.46E-05	3.10E-04	2.60E-05	1.55E-03	1.23E-04	1.99E-04	1.42E-05
129	437278.4	3725351	1.07E-03	5.74E-05	2.29E-04	1.54E-05	1.16E-03	7.30E-05	1.45E-04	8.31E-06
130	437275.4	3725343	1.02E-03	5.31E-05	2.18E-04	1.42E-05	1.10E-03	6.72E-05	1.38E-04	7.63E-06
131	437272.3	3725334	9.80E-04	4.92E-05	2.09E-04	1.31E-05	1.06E-03	6.20E-05	1.31E-04	7.04E-06
132	437269.3	3725325	9.42E-04	4.59E-05	2.00E-04	1.21E-05	1.02E-03	5.75E-05	1.26E-04	6.52E-06
133	437266.2	3725317	9.11E-04	4.31E-05	1.94E-04	1.13E-05	9.82E-04	5.37E-05	1.21E-04	6.08E-06
134	437263.2	3725308	8.80E-04	4.04E-05	1.87E-04	1.06E-05	9.49E-04	5.02E-05	1.17E-04	5.67E-06
135	437250.9	3725273	7.66E-04	3.16E-05	1.62E-04	8.13E-06	8.25E-04	3.85E-05	1.01E-04	4.32E-06
136	437239.6	3725222	6.54E-04	2.34E-05	1.38E-04	5.83E-06	7.05E-04	2.76E-05	8.48E-05	3.07E-06
137	437243.6	3725214	6.60E-04	2.28E-05	1.39E-04	5.64E-06	7.11E-04	2.67E-05	8.54E-05	2.96E-06
138	437247.5	3725205	6.66E-04	2.22E-05	1.40E-04	5.44E-06	7.17E-04	2.57E-05	8.60E-05	2.85E-06
139	437251.5	3725197	6.66E-04	2.14E-05	1.40E-04	5.21E-06	7.17E-04	2.46E-05	8.58E-05	2.72E-06
140	437255.4	3725189	6.65E-04	2.06E-05	1.39E-04	4.97E-06	7.16E-04	2.35E-05	8.55E-05	2.58E-06
141	437259.3	3725181	6.62E-04	1.98E-05	1.39E-04	4.73E-06	7.13E-04	2.24E-05	8.51E-05	2.45E-06
142	437263.3	3725172	6.63E-04	1.91E-05	1.39E-04	4.52E-06	7.14E-04	2.14E-05	8.51E-05	2.33E-06
143	437294.8	3725106	7.14E-04	1.53E-05	1.50E-04	3.33E-06	7.70E-04	1.57E-05	9.12E-05	1.66E-06
144	437298.8	3725098	7.20E-04	1.50E-05	1.51E-04	3.22E-06	7.76E-04	1.52E-05	9.19E-05	1.60E-06
145	437302.7	3725089	7.25E-04	1.46E-05	1.52E-04	3.12E-06	7.81E-04	1.47E-05	9.25E-05	1.54E-06
146	437306.7	3725081	7.30E-04	1.44E-05	1.53E-04	3.03E-06	7.87E-04	1.43E-05	9.33E-05	1.49E-06
147	437310.6	3725073	7.36E-04	1.42E-05	1.54E-04	2.97E-06	7.93E-04	1.40E-05	9.40E-05	1.46E-06
148	437314.6	3725065	7.35E-04	1.38E-05	1.54E-04	2.87E-06	7.93E-04	1.35E-05	9.40E-05	1.40E-06
149	437318.5	3725056	7.33E-04	1.34E-05	1.54E-04	2.76E-06	7.90E-04	1.30E-05	9.38E-05	1.34E-06
150	437322.5	3725048	7.27E-04	1.30E-05	1.52E-04	2.66E-06	7.83E-04	1.25E-05	9.30E-05	1.29E-06
151	437326.4	3725040	7.15E-04	1.26E-05	1.50E-04	2.56E-06	7.71E-04	1.21E-05	9.15E-05	1.24E-06
152	437330.4	3725031	7.02E-04	1.22E-05	1.47E-04	2.47E-06	7.57E-04	1.16E-05	8.97E-05	1.19E-06
153	437312	3725446	1.95E-03	1.52E-04	4.25E-04	4.24E-05	2.11E-03	2.01E-04	2.77E-04	2.32E-05
154	437318.3	3725453	2.16E-03	1.75E-04	4.72E-04	4.90E-05	2.34E-03	2.33E-04	3.09E-04	2.69E-05
155	437286.6	3725458	1.47E-03	1.06E-04	3.18E-04	2.93E-05	1.59E-03	1.39E-04	2.05E-04	1.60E-05
156	437283.5	3725449	1.41E-03	9.87E-05	3.04E-04	2.73E-05	1.52E-03	1.30E-04	1.96E-04	1.49E-05
157	437280.4	3725440	1.35E-03	9.23E-05	2.91E-04	2.55E-05	1.45E-03	1.21E-04	1.87E-04	1.39E-05
158	437277.2	3725431	1.29E-03	8.63E-05	2.78E-04	2.38E-05	1.40E-03	1.13E-04	1.79E-04	1.29E-05
159	437274.1	3725422	1.24E-03	8.08E-05	2.67E-04	2.22E-05	1.34E-03	1.05E-04	1.71E-04	1.21E-05
160	437271	3725414	1.19E-03	7.56E-05	2.56E-04	2.07E-05	1.29E-03	9.81E-05	1.64E-04	1.12E-05
161	437267.9	3725405	1.14E-03	7.06E-05	2.46E-04	1.93E-05	1.23E-03	9.14E-05	1.57E-04	1.05E-05
162	437227.5	3725290	7.17E-04	3.17E-05	1.52E-04	8.23E-06	7.73E-04	3.90E-05	9.44E-05	4.39E-06
163	437224.4	3725281	6.92E-04	2.99E-05	1.46E-04	7.74E-06	7.45E-04	3.67E-05	9.08E-05	4.13E-06
164	437221.3	3725273	6.68E-04	2.83E-05	1.41E-04	7.30E-06	7.20E-04	3.46E-05	8.76E-05	3.89E-06

165	437218.2	3725264	6.48E-04	2.69E-05	1.37E-04	6.90E-06	6.97E-04	3.27E-05	8.47E-05	3.67E-06
166	437209.7	3725220	5.72E-04	2.15E-05	1.20E-04	5.39E-06	6.16E-04	2.55E-05	7.41E-05	2.84E-06
167	437213.7	3725212	5.71E-04	2.08E-05	1.20E-04	5.20E-06	6.15E-04	2.46E-05	7.38E-05	2.74E-06
168	437217.8	3725203	5.71E-04	2.03E-05	1.20E-04	5.03E-06	6.15E-04	2.38E-05	7.38E-05	2.64E-06
169	437221.8	3725195	5.72E-04	1.97E-05	1.20E-04	4.85E-06	6.16E-04	2.30E-05	7.38E-05	2.54E-06
170	437225.8	3725186	5.73E-04	1.91E-05	1.20E-04	4.67E-06	6.17E-04	2.21E-05	7.37E-05	2.44E-06
171	437229.8	3725178	5.73E-04	1.85E-05	1.20E-04	4.49E-06	6.17E-04	2.12E-05	7.36E-05	2.34E-06
172	437278	3725077	5.96E-04	1.30E-05	1.24E-04	2.81E-06	6.42E-04	1.33E-05	7.56E-05	1.40E-06
173	437282.1	3725068	6.00E-04	1.27E-05	1.25E-04	2.72E-06	6.46E-04	1.29E-05	7.61E-05	1.35E-06
174	437286.1	3725060	6.03E-04	1.25E-05	1.26E-04	2.65E-06	6.49E-04	1.25E-05	7.65E-05	1.30E-06
175	437290.1	3725052	6.05E-04	1.22E-05	1.26E-04	2.57E-06	6.51E-04	1.21E-05	7.67E-05	1.26E-06
176	437294.1	3725043	6.05E-04	1.20E-05	1.26E-04	2.51E-06	6.52E-04	1.18E-05	7.67E-05	1.23E-06
177	437298.1	3725035	6.04E-04	1.18E-05	1.26E-04	2.45E-06	6.50E-04	1.15E-05	7.65E-05	1.20E-06
178	437302.1	3725026	5.98E-04	1.14E-05	1.25E-04	2.36E-06	6.44E-04	1.11E-05	7.57E-05	1.15E-06
179	437306.2	3725018	5.90E-04	1.11E-05	1.23E-04	2.27E-06	6.35E-04	1.07E-05	7.47E-05	1.10E-06
180	437310.2	3725009	5.80E-04	1.08E-05	1.21E-04	2.19E-06	6.25E-04	1.03E-05	7.35E-05	1.06E-06
181	437289.7	3725466	1.54E-03	1.13E-04	3.32E-04	3.14E-05	1.66E-03	1.49E-04	2.15E-04	1.71E-05
182	437296	3725473	1.65E-03	1.25E-04	3.59E-04	3.49E-05	1.79E-03	1.66E-04	2.33E-04	1.91E-05
183	437302.3	3725480	1.78E-03	1.39E-04	3.86E-04	3.88E-05	1.92E-03	1.84E-04	2.52E-04	2.12E-05
184	437264.3	3725478	1.21E-03	8.33E-05	2.61E-04	2.30E-05	1.31E-03	1.09E-04	1.68E-04	1.25E-05
185	437261.3	3725469	1.17E-03	7.93E-05	2.53E-04	2.18E-05	1.27E-03	1.04E-04	1.62E-04	1.19E-05
186	437258.2	3725461	1.14E-03	7.55E-05	2.44E-04	2.07E-05	1.23E-03	9.84E-05	1.57E-04	1.13E-05
187	437255.2	3725452	1.10E-03	7.17E-05	2.36E-04	1.97E-05	1.19E-03	9.33E-05	1.51E-04	1.07E-05
188	437252.1	3725443	1.07E-03	6.81E-05	2.29E-04	1.86E-05	1.15E-03	8.84E-05	1.46E-04	1.01E-05
189	437249	3725435	1.03E-03	6.46E-05	2.21E-04	1.76E-05	1.11E-03	8.36E-05	1.41E-04	9.57E-06
190	437246	3725426	9.99E-04	6.13E-05	2.14E-04	1.67E-05	1.08E-03	7.91E-05	1.36E-04	9.05E-06
191	437242.9	3725417	9.68E-04	5.81E-05	2.07E-04	1.58E-05	1.04E-03	7.49E-05	1.32E-04	8.55E-06
192	437239.9	3725409	9.37E-04	5.51E-05	2.00E-04	1.49E-05	1.01E-03	7.08E-05	1.27E-04	8.08E-06
193	437236.8	3725400	9.08E-04	5.23E-05	1.94E-04	1.41E-05	9.80E-04	6.70E-05	1.23E-04	7.64E-06
194	437215.5	3725339	7.34E-04	3.64E-05	1.56E-04	9.63E-06	7.91E-04	4.57E-05	9.76E-05	5.18E-06
195	437212.4	3725331	7.13E-04	3.47E-05	1.51E-04	9.14E-06	7.68E-04	4.33E-05	9.46E-05	4.90E-06
196	437209.3	3725322	6.93E-04	3.30E-05	1.47E-04	8.68E-06	7.46E-04	4.11E-05	9.17E-05	4.65E-06
197	437206.3	3725313	6.73E-04	3.15E-05	1.43E-04	8.24E-06	7.25E-04	3.91E-05	8.89E-05	4.41E-06
198	437203.2	3725305	6.55E-04	3.00E-05	1.39E-04	7.84E-06	7.05E-04	3.71E-05	8.63E-05	4.19E-06
199	437200.2	3725296	6.37E-04	2.87E-05	1.35E-04	7.45E-06	6.86E-04	3.53E-05	8.38E-05	3.98E-06
200	437197.1	3725288	6.19E-04	2.74E-05	1.31E-04	7.09E-06	6.67E-04	3.36E-05	8.13E-05	3.78E-06
201	437194.1	3725279	6.02E-04	2.62E-05	1.27E-04	6.75E-06	6.49E-04	3.20E-05	7.89E-05	3.60E-06
202	437191	3725270	5.86E-04	2.50E-05	1.24E-04	6.44E-06	6.31E-04	3.05E-05	7.66E-05	3.43E-06
203	437188	3725262	5.70E-04	2.39E-05	1.20E-04	6.14E-06	6.14E-04	2.91E-05	7.44E-05	3.26E-06
204	437179.7	3725219	5.13E-04	1.98E-05	1.08E-04	4.99E-06	5.52E-04	2.37E-05	6.64E-05	2.64E-06
205	437183.6	3725210	5.13E-04	1.94E-05	1.08E-04	4.87E-06	5.52E-04	2.31E-05	6.63E-05	2.57E-06
206	437187.6	3725202	5.11E-04	1.89E-05	1.07E-04	4.72E-06	5.50E-04	2.24E-05	6.60E-05	2.49E-06
207	437191.5	3725194	5.12E-04	1.85E-05	1.07E-04	4.59E-06	5.51E-04	2.17E-05	6.59E-05	2.41E-06
208	437195.5	3725186	5.13E-04	1.80E-05	1.07E-04	4.46E-06	5.52E-04	2.11E-05	6.59E-05	2.34E-06
209	437199.4	3725177	5.13E-04	1.76E-05	1.08E-04	4.32E-06	5.53E-04	2.05E-05	6.59E-05	2.26E-06
210	437258.6	3725053	5.04E-04	1.13E-05	1.05E-04	2.46E-06	5.43E-04	1.16E-05	6.36E-05	1.22E-06
211	437262.5	3725045	5.05E-04	1.11E-05	1.05E-04	2.38E-06	5.44E-04	1.12E-05	6.37E-05	1.18E-06
212	437266.5	3725037	5.06E-04	1.08E-05	1.05E-04	2.31E-06	5.44E-04	1.09E-05	6.38E-05	1.14E-06
213	437270.4	3725028	5.06E-04	1.06E-05	1.05E-04	2.25E-06	5.44E-04	1.06E-05	6.37E-05	1.11E-06
214	437274.4	3725020	5.04E-04	1.04E-05	1.05E-04	2.18E-06	5.43E-04	1.03E-05	6.35E-05	1.07E-06
215	437278.3	3725012	5.02E-04	1.02E-05	1.04E-04	2.12E-06	5.40E-04	1.00E-05	6.31E-05	1.04E-06
216	437282.3	3725003	4.98E-04	9.96E-06	1.04E-04	2.06E-06	5.36E-04	9.73E-06	6.26E-05	1.01E-06
217	437286.2	3724995	4.93E-04	9.76E-06	1.03E-04	2.01E-06	5.31E-04	9.47E-06	6.20E-05	9.77E-07
218	437290.2	3724987	4.87E-04	9.54E-06	1.01E-04	1.96E-06	5.24E-04	9.23E-06	6.12E-05	9.50E-07
219	437235.7	3725480	9.40E-04	5.98E-05	2.02E-04	1.63E-05	1.01E-03	7.75E-05	1.28E-04	8.87E-06
220	437232.6	3725471	9.17E-04	5.75E-05	1.97E-04	1.57E-05	9.90E-04	7.44E-05	1.25E-04	8.51E-06

221	437229.5	3725463	8.95E-04	5.52E-05	1.92E-04	1.50E-05	9.65E-04	7.13E-05	1.22E-04	8.15E-06
222	437226.4	3725454	8.72E-04	5.30E-05	1.87E-04	1.44E-05	9.41E-04	6.83E-05	1.19E-04	7.80E-06
223	437223.3	3725445	8.50E-04	5.08E-05	1.82E-04	1.38E-05	9.17E-04	6.53E-05	1.15E-04	7.46E-06
224	437220.2	3725436	8.28E-04	4.87E-05	1.77E-04	1.32E-05	8.92E-04	6.25E-05	1.12E-04	7.13E-06
225	437217.1	3725427	8.06E-04	4.66E-05	1.72E-04	1.26E-05	8.69E-04	5.97E-05	1.09E-04	6.81E-06
226	437214	3725419	7.85E-04	4.46E-05	1.67E-04	1.20E-05	8.46E-04	5.70E-05	1.06E-04	6.50E-06
227	437210.9	3725410	7.64E-04	4.27E-05	1.63E-04	1.15E-05	8.24E-04	5.45E-05	1.03E-04	6.20E-06
228	437207.8	3725401	7.44E-04	4.09E-05	1.59E-04	1.10E-05	8.02E-04	5.20E-05	9.99E-05	5.92E-06
229	437189.2	3725348	6.36E-04	3.16E-05	1.35E-04	8.34E-06	6.86E-04	3.95E-05	8.44E-05	4.48E-06
230	437186.1	3725340	6.20E-04	3.03E-05	1.32E-04	7.97E-06	6.68E-04	3.78E-05	8.21E-05	4.28E-06
231	437183	3725331	6.05E-04	2.90E-05	1.28E-04	7.63E-06	6.52E-04	3.62E-05	8.00E-05	4.09E-06
232	437164.4	3725278	5.22E-04	2.27E-05	1.10E-04	5.87E-06	5.62E-04	2.78E-05	6.83E-05	3.13E-06
233	437161.3	3725269	5.09E-04	2.19E-05	1.07E-04	5.62E-06	5.48E-04	2.67E-05	6.65E-05	2.99E-06
234	437158.2	3725261	4.97E-04	2.10E-05	1.05E-04	5.39E-06	5.35E-04	2.56E-05	6.48E-05	2.87E-06
235	437149.8	3725217	4.53E-04	1.78E-05	9.53E-05	4.50E-06	4.88E-04	2.13E-05	5.87E-05	2.38E-06
236	437153.8	3725209	4.55E-04	1.76E-05	9.56E-05	4.43E-06	4.90E-04	2.10E-05	5.88E-05	2.34E-06
237	437157.8	3725200	4.57E-04	1.73E-05	9.60E-05	4.35E-06	4.92E-04	2.06E-05	5.90E-05	2.29E-06
238	437161.8	3725192	4.59E-04	1.71E-05	9.64E-05	4.26E-06	4.94E-04	2.02E-05	5.91E-05	2.24E-06
239	437165.8	3725183	4.61E-04	1.68E-05	9.67E-05	4.17E-06	4.96E-04	1.97E-05	5.93E-05	2.19E-06
240	437169.8	3725175	4.63E-04	1.65E-05	9.70E-05	4.07E-06	4.98E-04	1.93E-05	5.94E-05	2.14E-06
241	437209.9	3725091	4.50E-04	1.25E-05	9.38E-05	2.89E-06	4.84E-04	1.36E-05	5.69E-05	1.48E-06
242	437242	3725024	4.40E-04	9.98E-06	9.15E-05	2.16E-06	4.73E-04	1.02E-05	5.52E-05	1.07E-06
243	437246	3725015	4.37E-04	9.71E-06	9.08E-05	2.08E-06	4.70E-04	9.84E-06	5.48E-05	1.03E-06
244	437250	3725007	4.33E-04	9.46E-06	9.01E-05	2.01E-06	4.66E-04	9.51E-06	5.44E-05	9.95E-07
245	437254	3724998	4.29E-04	9.20E-06	8.93E-05	1.95E-06	4.62E-04	9.18E-06	5.38E-05	9.57E-07
246	437258	3724990	4.25E-04	8.97E-06	8.84E-05	1.88E-06	4.58E-04	8.88E-06	5.33E-05	9.24E-07
247	437262	3724982	4.22E-04	8.77E-06	8.76E-05	1.83E-06	4.54E-04	8.62E-06	5.28E-05	8.94E-07
248	437266	3724973	4.18E-04	8.59E-06	8.68E-05	1.78E-06	4.49E-04	8.39E-06	5.23E-05	8.68E-07
249	437270	3724965	4.13E-04	8.41E-06	8.59E-05	1.73E-06	4.45E-04	8.18E-06	5.17E-05	8.44E-07
250	437203.9	3725473	7.41E-04	4.37E-05	1.58E-04	1.18E-05	7.98E-04	5.60E-05	1.00E-04	6.38E-06
251	437200.7	3725464	7.25E-04	4.22E-05	1.55E-04	1.14E-05	7.82E-04	5.40E-05	9.77E-05	6.16E-06
252	437197.6	3725455	7.09E-04	4.07E-05	1.51E-04	1.10E-05	7.65E-04	5.20E-05	9.54E-05	5.93E-06
253	437194.4	3725446	6.94E-04	3.93E-05	1.48E-04	1.06E-05	7.48E-04	5.01E-05	9.32E-05	5.71E-06
254	437191.3	3725438	6.79E-04	3.79E-05	1.45E-04	1.02E-05	7.31E-04	4.83E-05	9.10E-05	5.49E-06
255	437188.1	3725429	6.64E-04	3.66E-05	1.41E-04	9.79E-06	7.15E-04	4.64E-05	8.89E-05	5.28E-06
256	437185	3725420	6.49E-04	3.53E-05	1.38E-04	9.43E-06	6.99E-04	4.47E-05	8.68E-05	5.08E-06
257	437181.9	3725411	6.34E-04	3.40E-05	1.35E-04	9.07E-06	6.84E-04	4.30E-05	8.47E-05	4.89E-06
258	437178.7	3725402	6.20E-04	3.28E-05	1.32E-04	8.72E-06	6.68E-04	4.14E-05	8.26E-05	4.70E-06
259	437175.6	3725393	6.06E-04	3.16E-05	1.29E-04	8.39E-06	6.53E-04	3.98E-05	8.07E-05	4.52E-06
260	437153.6	3725331	5.18E-04	2.45E-05	1.09E-04	6.41E-06	5.58E-04	3.04E-05	6.81E-05	3.43E-06
261	437150.4	3725322	5.06E-04	2.36E-05	1.07E-04	6.17E-06	5.45E-04	2.92E-05	6.65E-05	3.30E-06
262	437147.3	3725313	4.95E-04	2.28E-05	1.05E-04	5.94E-06	5.33E-04	2.81E-05	6.50E-05	3.17E-06
263	437144.1	3725304	4.85E-04	2.20E-05	1.02E-04	5.72E-06	5.22E-04	2.71E-05	6.35E-05	3.05E-06
264	437141	3725295	4.74E-04	2.13E-05	1.00E-04	5.50E-06	5.11E-04	2.61E-05	6.21E-05	2.94E-06
265	437137.8	3725286	4.64E-04	2.05E-05	9.79E-05	5.30E-06	4.99E-04	2.51E-05	6.06E-05	2.83E-06
266	437134.7	3725277	4.54E-04	1.98E-05	9.56E-05	5.10E-06	4.88E-04	2.42E-05	5.92E-05	2.72E-06
267	437131.6	3725268	4.43E-04	1.91E-05	9.34E-05	4.92E-06	4.77E-04	2.33E-05	5.78E-05	2.62E-06
268	437128.4	3725259	4.33E-04	1.85E-05	9.13E-05	4.74E-06	4.67E-04	2.24E-05	5.64E-05	2.52E-06
269	437119	3725233	4.05E-04	1.66E-05	8.52E-05	4.24E-06	4.36E-04	2.01E-05	5.25E-05	2.25E-06
270	437119.9	3725215	3.99E-04	1.60E-05	8.39E-05	4.04E-06	4.30E-04	1.92E-05	5.16E-05	2.14E-06
271	437124	3725207	4.02E-04	1.58E-05	8.45E-05	4.00E-06	4.33E-04	1.89E-05	5.19E-05	2.11E-06
272	437128	3725198	4.05E-04	1.57E-05	8.50E-05	3.94E-06	4.36E-04	1.87E-05	5.22E-05	2.08E-06
273	437132.1	3725190	4.07E-04	1.55E-05	8.55E-05	3.88E-06	4.38E-04	1.84E-05	5.25E-05	2.05E-06
274	437136.1	3725181	4.10E-04	1.53E-05	8.60E-05	3.82E-06	4.41E-04	1.81E-05	5.27E-05	2.01E-06
275	437164.6	3725122	4.18E-04	1.35E-05	8.72E-05	3.25E-06	4.49E-04	1.54E-05	5.31E-05	1.69E-06
276	437168.6	3725113	4.18E-04	1.32E-05	8.72E-05	3.16E-06	4.49E-04	1.50E-05	5.31E-05	1.64E-06

277	437172.7	3725105	4.19E-04	1.29E-05	8.73E-05	3.07E-06	4.50E-04	1.45E-05	5.31E-05	1.59E-06
278	437176.8	3725096	4.18E-04	1.26E-05	8.71E-05	2.97E-06	4.49E-04	1.41E-05	5.29E-05	1.53E-06
279	437180.8	3725088	4.16E-04	1.22E-05	8.68E-05	2.87E-06	4.48E-04	1.36E-05	5.27E-05	1.48E-06
280	437184.9	3725079	4.14E-04	1.19E-05	8.63E-05	2.77E-06	4.46E-04	1.31E-05	5.24E-05	1.42E-06
281	437188.9	3725070	4.12E-04	1.15E-05	8.59E-05	2.67E-06	4.43E-04	1.26E-05	5.20E-05	1.37E-06
282	437193	3725062	4.10E-04	1.12E-05	8.54E-05	2.58E-06	4.41E-04	1.22E-05	5.17E-05	1.31E-06
283	437225.5	3724994	3.84E-04	8.82E-06	7.98E-05	1.91E-06	4.13E-04	9.00E-06	4.81E-05	9.47E-07
284	437229.6	3724985	3.79E-04	8.55E-06	7.87E-05	1.83E-06	4.08E-04	8.66E-06	4.74E-05	9.09E-07
285	437233.6	3724977	3.76E-04	8.34E-06	7.80E-05	1.77E-06	4.04E-04	8.38E-06	4.69E-05	8.76E-07
286	437237.7	3724968	3.72E-04	8.13E-06	7.72E-05	1.72E-06	4.00E-04	8.11E-06	4.64E-05	8.46E-07
287	437241.7	3724960	3.68E-04	7.93E-06	7.64E-05	1.67E-06	3.96E-04	7.86E-06	4.59E-05	8.18E-07
288	437245.8	3724951	3.64E-04	7.75E-06	7.55E-05	1.62E-06	3.91E-04	7.63E-06	4.53E-05	7.92E-07
289	437249.9	3724943	3.59E-04	7.57E-06	7.45E-05	1.57E-06	3.86E-04	7.42E-06	4.47E-05	7.68E-07
290	437175.6	3725476	6.09E-04	3.40E-05	1.30E-04	9.12E-06	6.57E-04	4.33E-05	8.15E-05	4.92E-06
291	437172.5	3725468	6.00E-04	3.32E-05	1.27E-04	8.87E-06	6.46E-04	4.21E-05	8.01E-05	4.78E-06
292	437169.4	3725459	5.90E-04	3.23E-05	1.25E-04	8.63E-06	6.35E-04	4.09E-05	7.87E-05	4.65E-06
293	437166.3	3725450	5.80E-04	3.14E-05	1.23E-04	8.38E-06	6.25E-04	3.97E-05	7.73E-05	4.52E-06
294	437163.3	3725441	5.71E-04	3.06E-05	1.21E-04	8.15E-06	6.15E-04	3.86E-05	7.60E-05	4.39E-06
295	437160.2	3725433	5.61E-04	2.98E-05	1.19E-04	7.93E-06	6.04E-04	3.76E-05	7.46E-05	4.27E-06
296	437157.1	3725424	5.50E-04	2.89E-05	1.17E-04	7.68E-06	5.93E-04	3.64E-05	7.31E-05	4.13E-06
297	437154	3725415	5.40E-04	2.80E-05	1.15E-04	7.43E-06	5.82E-04	3.52E-05	7.16E-05	4.00E-06
298	437150.9	3725406	5.30E-04	2.72E-05	1.12E-04	7.20E-06	5.71E-04	3.41E-05	7.02E-05	3.87E-06
299	437147.8	3725398	5.20E-04	2.64E-05	1.10E-04	6.97E-06	5.60E-04	3.30E-05	6.88E-05	3.74E-06
300	437135.4	3725363	4.81E-04	2.33E-05	1.02E-04	6.12E-06	5.18E-04	2.90E-05	6.33E-05	3.28E-06
301	437132.3	3725354	4.72E-04	2.26E-05	9.97E-05	5.93E-06	5.08E-04	2.81E-05	6.20E-05	3.17E-06
302	437129.2	3725345	4.62E-04	2.20E-05	9.77E-05	5.74E-06	4.98E-04	2.72E-05	6.07E-05	3.07E-06
303	437126.1	3725336	4.53E-04	2.13E-05	9.56E-05	5.55E-06	4.88E-04	2.63E-05	5.94E-05	2.97E-06
304	437123	3725327	4.44E-04	2.06E-05	9.37E-05	5.37E-06	4.78E-04	2.55E-05	5.81E-05	2.87E-06
305	437119.9	3725319	4.35E-04	2.00E-05	9.18E-05	5.20E-06	4.69E-04	2.47E-05	5.70E-05	2.78E-06
306	437116.8	3725310	4.27E-04	1.94E-05	9.01E-05	5.04E-06	4.60E-04	2.39E-05	5.58E-05	2.69E-06
307	437113.7	3725301	4.19E-04	1.89E-05	8.83E-05	4.88E-06	4.51E-04	2.31E-05	5.47E-05	2.60E-06
308	437110.6	3725292	4.11E-04	1.83E-05	8.66E-05	4.72E-06	4.42E-04	2.24E-05	5.36E-05	2.52E-06
309	437107.5	3725284	4.03E-04	1.77E-05	8.49E-05	4.57E-06	4.34E-04	2.17E-05	5.25E-05	2.44E-06
310	437101.4	3725266	3.87E-04	1.67E-05	8.15E-05	4.29E-06	4.17E-04	2.03E-05	5.03E-05	2.28E-06
311	437089	3725231	3.58E-04	1.48E-05	7.52E-05	3.77E-06	3.85E-04	1.79E-05	4.63E-05	2.00E-06
312	437089.9	3725214	3.54E-04	1.43E-05	7.43E-05	3.63E-06	3.81E-04	1.72E-05	4.57E-05	1.92E-06
313	437093.9	3725206	3.57E-04	1.43E-05	7.48E-05	3.60E-06	3.84E-04	1.71E-05	4.60E-05	1.90E-06
314	437097.9	3725197	3.59E-04	1.42E-05	7.54E-05	3.57E-06	3.86E-04	1.69E-05	4.63E-05	1.89E-06
315	437101.9	3725189	3.62E-04	1.41E-05	7.58E-05	3.53E-06	3.89E-04	1.67E-05	4.65E-05	1.86E-06
316	437105.9	3725180	3.64E-04	1.39E-05	7.63E-05	3.49E-06	3.91E-04	1.65E-05	4.68E-05	1.84E-06
317	437129.9	3725130	3.74E-04	1.29E-05	7.83E-05	3.15E-06	4.03E-04	1.49E-05	4.78E-05	1.65E-06
318	437133.9	3725122	3.76E-04	1.27E-05	7.85E-05	3.08E-06	4.04E-04	1.46E-05	4.79E-05	1.61E-06
319	437137.9	3725113	3.77E-04	1.24E-05	7.87E-05	3.01E-06	4.05E-04	1.43E-05	4.80E-05	1.57E-06
320	437141.9	3725105	3.78E-04	1.22E-05	7.89E-05	2.94E-06	4.06E-04	1.39E-05	4.80E-05	1.53E-06
321	437145.9	3725096	3.79E-04	1.20E-05	7.90E-05	2.87E-06	4.07E-04	1.36E-05	4.81E-05	1.49E-06
322	437149.9	3725088	3.79E-04	1.17E-05	7.91E-05	2.80E-06	4.08E-04	1.32E-05	4.81E-05	1.45E-06
323	437153.9	3725080	3.80E-04	1.15E-05	7.92E-05	2.72E-06	4.08E-04	1.29E-05	4.81E-05	1.41E-06
324	437157.9	3725071	3.79E-04	1.13E-05	7.91E-05	2.65E-06	4.08E-04	1.25E-05	4.80E-05	1.36E-06
325	437161.8	3725063	3.79E-04	1.10E-05	7.89E-05	2.58E-06	4.07E-04	1.22E-05	4.79E-05	1.32E-06
326	437165.8	3725054	3.78E-04	1.08E-05	7.88E-05	2.50E-06	4.07E-04	1.18E-05	4.77E-05	1.28E-06
327	437169.8	3725046	3.78E-04	1.05E-05	7.86E-05	2.43E-06	4.06E-04	1.15E-05	4.76E-05	1.24E-06
328	437173.8	3725038	3.76E-04	1.03E-05	7.83E-05	2.36E-06	4.04E-04	1.11E-05	4.73E-05	1.20E-06
329	437177.8	3725029	3.75E-04	1.00E-05	7.79E-05	2.29E-06	4.03E-04	1.08E-05	4.71E-05	1.16E-06
330	437213.8	3724954	3.37E-04	7.69E-06	6.99E-05	1.65E-06	3.62E-04	7.78E-06	4.20E-05	8.16E-07
331	437217.8	3724945	3.32E-04	7.47E-06	6.88E-05	1.59E-06	3.57E-04	7.51E-06	4.13E-05	7.86E-07
332	437221.8	3724937	3.27E-04	7.26E-06	6.77E-05	1.54E-06	3.51E-04	7.26E-06	4.06E-05	7.57E-07

333	437225.8	3724929	3.22E-04	7.08E-06	6.67E-05	1.49E-06	3.46E-04	7.03E-06	4.00E-05	7.32E-07
334	437229.8	3724920	3.17E-04	6.90E-06	6.57E-05	1.45E-06	3.41E-04	6.82E-06	3.94E-05	7.08E-07
335	437143.6	3725469	5.00E-04	2.64E-05	1.06E-04	7.02E-06	5.39E-04	3.33E-05	6.63E-05	3.77E-06
336	437140.5	3725460	4.94E-04	2.59E-05	1.05E-04	6.86E-06	5.32E-04	3.25E-05	6.54E-05	3.69E-06
337	437137.4	3725451	4.88E-04	2.53E-05	1.03E-04	6.71E-06	5.25E-04	3.18E-05	6.46E-05	3.61E-06
338	437134.2	3725442	4.82E-04	2.48E-05	1.02E-04	6.57E-06	5.19E-04	3.11E-05	6.37E-05	3.53E-06
339	437131.1	3725434	4.76E-04	2.43E-05	1.01E-04	6.42E-06	5.12E-04	3.05E-05	6.29E-05	3.45E-06
340	437128	3725425	4.70E-04	2.38E-05	9.95E-05	6.29E-06	5.06E-04	2.98E-05	6.20E-05	3.37E-06
341	437124.8	3725416	4.63E-04	2.33E-05	9.79E-05	6.13E-06	4.98E-04	2.91E-05	6.10E-05	3.29E-06
342	437121.7	3725407	4.55E-04	2.26E-05	9.62E-05	5.96E-06	4.90E-04	2.82E-05	5.99E-05	3.20E-06
343	437109.2	3725371	4.24E-04	2.03E-05	8.95E-05	5.32E-06	4.56E-04	2.52E-05	5.56E-05	2.85E-06
344	437106	3725363	4.17E-04	1.98E-05	8.79E-05	5.17E-06	4.48E-04	2.45E-05	5.46E-05	2.76E-06
345	437102.9	3725354	4.09E-04	1.93E-05	8.63E-05	5.02E-06	4.40E-04	2.38E-05	5.35E-05	2.69E-06
346	437081	3725292	3.61E-04	1.60E-05	7.59E-05	4.11E-06	3.88E-04	1.95E-05	4.69E-05	2.19E-06
347	437077.8	3725283	3.54E-04	1.56E-05	7.45E-05	4.00E-06	3.81E-04	1.89E-05	4.60E-05	2.13E-06
348	437074.7	3725274	3.48E-04	1.51E-05	7.32E-05	3.88E-06	3.74E-04	1.84E-05	4.51E-05	2.07E-06
349	437071.6	3725265	3.42E-04	1.47E-05	7.18E-05	3.77E-06	3.68E-04	1.79E-05	4.43E-05	2.01E-06
350	437062.2	3725238	3.24E-04	1.36E-05	6.80E-05	3.46E-06	3.48E-04	1.64E-05	4.18E-05	1.84E-06
351	437059.1	3725230	3.18E-04	1.32E-05	6.68E-05	3.37E-06	3.42E-04	1.59E-05	4.11E-05	1.78E-06
352	437060	3725212	3.15E-04	1.29E-05	6.62E-05	3.26E-06	3.39E-04	1.54E-05	4.06E-05	1.73E-06
353	437064	3725204	3.18E-04	1.28E-05	6.68E-05	3.25E-06	3.42E-04	1.54E-05	4.10E-05	1.72E-06
354	437068.1	3725195	3.21E-04	1.28E-05	6.73E-05	3.23E-06	3.45E-04	1.53E-05	4.13E-05	1.71E-06
355	437072.1	3725187	3.23E-04	1.27E-05	6.77E-05	3.20E-06	3.47E-04	1.52E-05	4.15E-05	1.69E-06
356	437076.2	3725178	3.25E-04	1.27E-05	6.82E-05	3.18E-06	3.50E-04	1.50E-05	4.18E-05	1.68E-06
357	437104.5	3725119	3.37E-04	1.18E-05	7.04E-05	2.88E-06	3.62E-04	1.36E-05	4.30E-05	1.50E-06
358	437108.5	3725110	3.38E-04	1.16E-05	7.07E-05	2.82E-06	3.64E-04	1.34E-05	4.31E-05	1.47E-06
359	437112.6	3725102	3.39E-04	1.14E-05	7.09E-05	2.77E-06	3.65E-04	1.31E-05	4.31E-05	1.44E-06
360	437116.6	3725093	3.40E-04	1.12E-05	7.10E-05	2.71E-06	3.66E-04	1.28E-05	4.32E-05	1.41E-06
361	437120.7	3725085	3.41E-04	1.10E-05	7.12E-05	2.65E-06	3.67E-04	1.25E-05	4.33E-05	1.38E-06
362	437124.7	3725076	3.42E-04	1.08E-05	7.12E-05	2.59E-06	3.67E-04	1.23E-05	4.33E-05	1.34E-06
363	437128.8	3725068	3.42E-04	1.06E-05	7.13E-05	2.53E-06	3.68E-04	1.20E-05	4.33E-05	1.31E-06
364	437132.8	3725059	3.42E-04	1.04E-05	7.13E-05	2.47E-06	3.68E-04	1.17E-05	4.33E-05	1.27E-06
365	437136.8	3725051	3.42E-04	1.02E-05	7.13E-05	2.40E-06	3.68E-04	1.14E-05	4.32E-05	1.24E-06
366	437140.9	3725042	3.42E-04	1.00E-05	7.12E-05	2.34E-06	3.68E-04	1.11E-05	4.31E-05	1.20E-06
367	437144.9	3725034	3.42E-04	9.80E-06	7.11E-05	2.28E-06	3.67E-04	1.08E-05	4.30E-05	1.17E-06
368	437149	3725025	3.41E-04	9.59E-06	7.09E-05	2.22E-06	3.66E-04	1.05E-05	4.29E-05	1.13E-06
369	437153	3725017	3.40E-04	9.38E-06	7.07E-05	2.15E-06	3.65E-04	1.02E-05	4.27E-05	1.10E-06
370	437157.1	3725008	3.38E-04	9.16E-06	7.04E-05	2.09E-06	3.64E-04	9.88E-06	4.25E-05	1.06E-06
371	437161.1	3725000	3.37E-04	8.95E-06	7.00E-05	2.03E-06	3.62E-04	9.59E-06	4.23E-05	1.03E-06
372	437197.5	3724924	3.01E-04	6.97E-06	6.23E-05	1.50E-06	3.23E-04	7.06E-06	3.73E-05	7.41E-07
373	437201.6	3724915	2.96E-04	6.78E-06	6.12E-05	1.45E-06	3.18E-04	6.83E-06	3.67E-05	7.15E-07
374	437205.6	3724907	2.92E-04	6.61E-06	6.03E-05	1.40E-06	3.13E-04	6.62E-06	3.61E-05	6.92E-07
375	437209.7	3724898	2.87E-04	6.43E-06	5.93E-05	1.36E-06	3.08E-04	6.41E-06	3.55E-05	6.68E-07
376	437115.6	3725473	4.31E-04	2.20E-05	9.12E-05	5.81E-06	4.64E-04	2.75E-05	5.68E-05	3.12E-06
377	437112.5	3725464	4.26E-04	2.16E-05	9.00E-05	5.69E-06	4.58E-04	2.70E-05	5.61E-05	3.05E-06
378	437109.4	3725455	4.20E-04	2.12E-05	8.88E-05	5.57E-06	4.52E-04	2.64E-05	5.53E-05	2.99E-06
379	437106.3	3725447	4.15E-04	2.07E-05	8.77E-05	5.45E-06	4.47E-04	2.59E-05	5.46E-05	2.92E-06
380	437103.2	3725438	4.10E-04	2.04E-05	8.67E-05	5.35E-06	4.42E-04	2.54E-05	5.40E-05	2.87E-06
381	437100.1	3725429	4.06E-04	2.00E-05	8.58E-05	5.25E-06	4.37E-04	2.49E-05	5.33E-05	2.81E-06
382	437097	3725420	4.01E-04	1.96E-05	8.47E-05	5.15E-06	4.32E-04	2.44E-05	5.27E-05	2.76E-06
383	437093.9	3725412	3.96E-04	1.92E-05	8.36E-05	5.04E-06	4.26E-04	2.39E-05	5.19E-05	2.70E-06
384	437081.6	3725377	3.74E-04	1.76E-05	7.88E-05	4.59E-06	4.02E-04	2.18E-05	4.88E-05	2.45E-06
385	437078.5	3725368	3.67E-04	1.72E-05	7.74E-05	4.47E-06	3.95E-04	2.12E-05	4.79E-05	2.39E-06
386	437075.4	3725359	3.61E-04	1.68E-05	7.61E-05	4.36E-06	3.89E-04	2.07E-05	4.71E-05	2.33E-06
387	437072.3	3725350	3.56E-04	1.64E-05	7.50E-05	4.26E-06	3.83E-04	2.02E-05	4.64E-05	2.27E-06
388	437069.2	3725342	3.51E-04	1.61E-05	7.38E-05	4.16E-06	3.77E-04	1.97E-05	4.56E-05	2.22E-06

389	437066.1	3725333	3.45E-04	1.57E-05	7.27E-05	4.06E-06	3.71E-04	1.93E-05	4.49E-05	2.17E-06
390	437063	3725324	3.40E-04	1.54E-05	7.15E-05	3.96E-06	3.66E-04	1.88E-05	4.42E-05	2.11E-06
391	437060	3725315	3.34E-04	1.50E-05	7.03E-05	3.87E-06	3.60E-04	1.83E-05	4.34E-05	2.06E-06
392	437056.9	3725307	3.29E-04	1.47E-05	6.92E-05	3.77E-06	3.54E-04	1.79E-05	4.27E-05	2.01E-06
393	437053.8	3725298	3.24E-04	1.43E-05	6.80E-05	3.68E-06	3.48E-04	1.74E-05	4.19E-05	1.96E-06
394	437050.7	3725289	3.19E-04	1.40E-05	6.69E-05	3.59E-06	3.43E-04	1.70E-05	4.12E-05	1.91E-06
395	437047.6	3725280	3.14E-04	1.37E-05	6.59E-05	3.50E-06	3.37E-04	1.66E-05	4.06E-05	1.86E-06
396	437044.5	3725272	3.09E-04	1.34E-05	6.48E-05	3.42E-06	3.32E-04	1.62E-05	3.99E-05	1.81E-06
397	437041.4	3725263	3.04E-04	1.30E-05	6.38E-05	3.33E-06	3.27E-04	1.58E-05	3.93E-05	1.77E-06
398	437032.1	3725237	2.89E-04	1.22E-05	6.07E-05	3.09E-06	3.11E-04	1.46E-05	3.73E-05	1.64E-06
399	437029.1	3725228	2.85E-04	1.19E-05	5.97E-05	3.01E-06	3.06E-04	1.43E-05	3.67E-05	1.60E-06
400	437030	3725211	2.83E-04	1.16E-05	5.93E-05	2.94E-06	3.04E-04	1.39E-05	3.63E-05	1.55E-06
401	437033.9	3725202	2.85E-04	1.16E-05	5.97E-05	2.93E-06	3.07E-04	1.39E-05	3.66E-05	1.55E-06
402	437037.9	3725194	2.87E-04	1.16E-05	6.02E-05	2.92E-06	3.09E-04	1.38E-05	3.69E-05	1.54E-06
403	437041.9	3725186	2.90E-04	1.16E-05	6.06E-05	2.91E-06	3.11E-04	1.38E-05	3.72E-05	1.54E-06
404	437045.9	3725177	2.92E-04	1.15E-05	6.11E-05	2.89E-06	3.13E-04	1.37E-05	3.74E-05	1.53E-06
405	437085.8	3725093	3.07E-04	1.05E-05	6.40E-05	2.56E-06	3.30E-04	1.21E-05	3.90E-05	1.34E-06
406	437089.8	3725085	3.08E-04	1.04E-05	6.42E-05	2.52E-06	3.31E-04	1.19E-05	3.90E-05	1.31E-06
407	437093.8	3725077	3.08E-04	1.02E-05	6.43E-05	2.47E-06	3.32E-04	1.17E-05	3.91E-05	1.28E-06
408	437097.8	3725068	3.09E-04	1.01E-05	6.44E-05	2.42E-06	3.32E-04	1.15E-05	3.91E-05	1.26E-06
409	437101.8	3725060	3.10E-04	9.92E-06	6.45E-05	2.37E-06	3.33E-04	1.12E-05	3.92E-05	1.23E-06
410	437105.8	3725052	3.10E-04	9.75E-06	6.46E-05	2.32E-06	3.33E-04	1.10E-05	3.92E-05	1.20E-06
411	437109.8	3725043	3.10E-04	9.59E-06	6.46E-05	2.27E-06	3.33E-04	1.07E-05	3.91E-05	1.17E-06
412	437113.8	3725035	3.10E-04	9.41E-06	6.45E-05	2.22E-06	3.33E-04	1.05E-05	3.91E-05	1.14E-06
413	437117.8	3725026	3.10E-04	9.24E-06	6.45E-05	2.16E-06	3.33E-04	1.02E-05	3.90E-05	1.11E-06
414	437121.8	3725018	3.09E-04	9.06E-06	6.44E-05	2.11E-06	3.33E-04	9.99E-06	3.89E-05	1.08E-06
415	437125.8	3725010	3.09E-04	8.88E-06	6.42E-05	2.06E-06	3.32E-04	9.73E-06	3.88E-05	1.05E-06
416	437129.8	3725001	3.08E-04	8.70E-06	6.40E-05	2.01E-06	3.31E-04	9.48E-06	3.86E-05	1.02E-06
417	437133.7	3724993	3.07E-04	8.51E-06	6.37E-05	1.95E-06	3.30E-04	9.23E-06	3.85E-05	9.95E-07
418	437137.7	3724985	3.05E-04	8.33E-06	6.34E-05	1.90E-06	3.28E-04	8.98E-06	3.82E-05	9.66E-07
419	437141.7	3724976	3.04E-04	8.15E-06	6.30E-05	1.85E-06	3.26E-04	8.73E-06	3.80E-05	9.38E-07
420	437145.7	3724968	3.02E-04	7.96E-06	6.26E-05	1.80E-06	3.24E-04	8.49E-06	3.77E-05	9.09E-07
421	437177.7	3724901	2.76E-04	6.54E-06	5.70E-05	1.41E-06	2.96E-04	6.67E-06	3.42E-05	7.02E-07
422	437181.7	3724892	2.71E-04	6.37E-06	5.60E-05	1.37E-06	2.91E-04	6.46E-06	3.36E-05	6.79E-07
423	437185.6	3724884	2.66E-04	6.20E-06	5.50E-05	1.33E-06	2.86E-04	6.26E-06	3.29E-05	6.57E-07
424	437189.6	3724876	2.61E-04	6.03E-06	5.39E-05	1.28E-06	2.80E-04	6.06E-06	3.23E-05	6.35E-07
425	437086.6	3725474	3.74E-04	1.85E-05	7.90E-05	4.85E-06	4.03E-04	2.30E-05	4.91E-05	2.60E-06
426	437083.5	3725465	3.70E-04	1.82E-05	7.81E-05	4.77E-06	3.98E-04	2.26E-05	4.85E-05	2.55E-06
427	437080.3	3725456	3.67E-04	1.79E-05	7.74E-05	4.69E-06	3.94E-04	2.22E-05	4.80E-05	2.51E-06
428	437077.2	3725447	3.63E-04	1.76E-05	7.65E-05	4.61E-06	3.90E-04	2.18E-05	4.75E-05	2.47E-06
429	437074.1	3725439	3.58E-04	1.73E-05	7.55E-05	4.51E-06	3.85E-04	2.14E-05	4.68E-05	2.41E-06
430	437071	3725430	3.53E-04	1.69E-05	7.45E-05	4.42E-06	3.80E-04	2.09E-05	4.62E-05	2.36E-06
431	437067.8	3725421	3.48E-04	1.66E-05	7.35E-05	4.33E-06	3.75E-04	2.05E-05	4.55E-05	2.31E-06
432	437064.7	3725412	3.44E-04	1.63E-05	7.25E-05	4.24E-06	3.70E-04	2.01E-05	4.49E-05	2.26E-06
433	437055.3	3725386	3.30E-04	1.53E-05	6.95E-05	3.98E-06	3.55E-04	1.88E-05	4.30E-05	2.12E-06
434	437052.2	3725377	3.26E-04	1.50E-05	6.85E-05	3.89E-06	3.50E-04	1.85E-05	4.24E-05	2.08E-06
435	437049.1	3725368	3.21E-04	1.47E-05	6.76E-05	3.81E-06	3.46E-04	1.81E-05	4.18E-05	2.03E-06
436	437046	3725359	3.17E-04	1.45E-05	6.67E-05	3.74E-06	3.41E-04	1.77E-05	4.12E-05	1.99E-06
437	437042.9	3725350	3.13E-04	1.42E-05	6.59E-05	3.66E-06	3.37E-04	1.74E-05	4.06E-05	1.95E-06
438	437039.7	3725341	3.09E-04	1.39E-05	6.50E-05	3.59E-06	3.32E-04	1.70E-05	4.01E-05	1.91E-06
439	437036.6	3725333	3.05E-04	1.37E-05	6.41E-05	3.52E-06	3.28E-04	1.67E-05	3.95E-05	1.87E-06
440	437024.1	3725297	2.89E-04	1.27E-05	6.07E-05	3.24E-06	3.11E-04	1.54E-05	3.74E-05	1.72E-06
441	437021	3725288	2.85E-04	1.24E-05	5.99E-05	3.18E-06	3.07E-04	1.51E-05	3.68E-05	1.69E-06
442	437017.9	3725279	2.81E-04	1.22E-05	5.90E-05	3.11E-06	3.02E-04	1.47E-05	3.63E-05	1.65E-06
443	437014.7	3725271	2.77E-04	1.19E-05	5.81E-05	3.04E-06	2.98E-04	1.44E-05	3.57E-05	1.61E-06
444	437011.6	3725262	2.73E-04	1.17E-05	5.72E-05	2.97E-06	2.93E-04	1.41E-05	3.51E-05	1.58E-06

445	437002.2	3725235	2.60E-04	1.09E-05	5.46E-05	2.77E-06	2.80E-04	1.31E-05	3.35E-05	1.47E-06
446	436999.1	3725226	2.57E-04	1.07E-05	5.38E-05	2.71E-06	2.76E-04	1.28E-05	3.30E-05	1.44E-06
447	437000	3725209	2.56E-04	1.05E-05	5.35E-05	2.65E-06	2.75E-04	1.26E-05	3.28E-05	1.40E-06
448	437004.1	3725201	2.58E-04	1.05E-05	5.39E-05	2.65E-06	2.77E-04	1.26E-05	3.30E-05	1.40E-06
449	437008.1	3725192	2.60E-04	1.05E-05	5.44E-05	2.65E-06	2.79E-04	1.26E-05	3.33E-05	1.40E-06
450	437012.1	3725184	2.62E-04	1.05E-05	5.48E-05	2.65E-06	2.81E-04	1.25E-05	3.35E-05	1.40E-06
451	437048.5	3725107	2.72E-04	9.94E-06	5.68E-05	2.45E-06	2.93E-04	1.16E-05	3.46E-05	1.28E-06
452	437052.5	3725099	2.73E-04	9.84E-06	5.70E-05	2.42E-06	2.94E-04	1.14E-05	3.47E-05	1.26E-06
453	437056.5	3725091	2.74E-04	9.74E-06	5.72E-05	2.38E-06	2.95E-04	1.13E-05	3.48E-05	1.25E-06
454	437060.6	3725082	2.77E-04	9.67E-06	5.77E-05	2.36E-06	2.97E-04	1.11E-05	3.50E-05	1.23E-06
455	437064.6	3725074	2.78E-04	9.57E-06	5.80E-05	2.32E-06	2.99E-04	1.10E-05	3.52E-05	1.21E-06
456	437068.6	3725065	2.79E-04	9.45E-06	5.82E-05	2.29E-06	3.00E-04	1.08E-05	3.53E-05	1.19E-06
457	437072.7	3725057	2.80E-04	9.33E-06	5.84E-05	2.25E-06	3.01E-04	1.06E-05	3.54E-05	1.17E-06
458	437076.7	3725048	2.82E-04	9.20E-06	5.86E-05	2.20E-06	3.02E-04	1.04E-05	3.55E-05	1.14E-06
459	437080.7	3725040	2.82E-04	9.06E-06	5.88E-05	2.16E-06	3.03E-04	1.02E-05	3.56E-05	1.12E-06
460	437084.8	3725031	2.83E-04	8.92E-06	5.88E-05	2.12E-06	3.04E-04	1.00E-05	3.56E-05	1.10E-06
461	437088.8	3725023	2.83E-04	8.77E-06	5.88E-05	2.08E-06	3.04E-04	9.82E-06	3.56E-05	1.07E-06
462	437092.8	3725014	2.83E-04	8.62E-06	5.88E-05	2.03E-06	3.04E-04	9.60E-06	3.55E-05	1.05E-06
463	437096.9	3725006	2.82E-04	8.47E-06	5.87E-05	1.98E-06	3.03E-04	9.39E-06	3.55E-05	1.02E-06
464	437100.9	3724997	2.82E-04	8.31E-06	5.85E-05	1.94E-06	3.03E-04	9.17E-06	3.54E-05	9.94E-07
465	437104.9	3724989	2.81E-04	8.15E-06	5.84E-05	1.89E-06	3.02E-04	8.94E-06	3.52E-05	9.69E-07
466	437109	3724980	2.80E-04	7.99E-06	5.81E-05	1.84E-06	3.01E-04	8.72E-06	3.51E-05	9.43E-07
467	437113	3724972	2.79E-04	7.83E-06	5.79E-05	1.80E-06	2.99E-04	8.50E-06	3.49E-05	9.17E-07
468	437117	3724964	2.77E-04	7.67E-06	5.76E-05	1.75E-06	2.98E-04	8.28E-06	3.47E-05	8.92E-07
469	437121.1	3724955	2.76E-04	7.51E-06	5.72E-05	1.71E-06	2.96E-04	8.06E-06	3.44E-05	8.66E-07
470	437125.1	3724947	2.74E-04	7.34E-06	5.68E-05	1.66E-06	2.94E-04	7.85E-06	3.42E-05	8.41E-07
471	437129.2	3724938	2.72E-04	7.18E-06	5.63E-05	1.62E-06	2.92E-04	7.63E-06	3.39E-05	8.17E-07
472	437161.4	3724870	2.47E-04	5.92E-06	5.10E-05	1.28E-06	2.65E-04	6.04E-06	3.05E-05	6.36E-07
473	437165.5	3724862	2.43E-04	5.76E-06	5.01E-05	1.24E-06	2.60E-04	5.86E-06	3.00E-05	6.16E-07
474	437169.5	3724853	2.38E-04	5.62E-06	4.92E-05	1.20E-06	2.56E-04	5.68E-06	2.94E-05	5.96E-07
475	437003.1	3725321	2.67E-04	1.17E-05	5.60E-05	3.00E-06	2.87E-04	1.42E-05	3.44E-05	1.59E-06
476	437000	3725312	2.63E-04	1.15E-05	5.52E-05	2.94E-06	2.83E-04	1.39E-05	3.40E-05	1.56E-06
477	436996.9	3725303	2.60E-04	1.13E-05	5.45E-05	2.89E-06	2.80E-04	1.37E-05	3.35E-05	1.53E-06
478	436993.8	3725295	2.57E-04	1.11E-05	5.38E-05	2.83E-06	2.76E-04	1.34E-05	3.31E-05	1.50E-06
479	436990.7	3725286	2.54E-04	1.09E-05	5.32E-05	2.78E-06	2.73E-04	1.32E-05	3.26E-05	1.48E-06
480	436987.6	3725277	2.50E-04	1.07E-05	5.25E-05	2.73E-06	2.69E-04	1.29E-05	3.22E-05	1.45E-06
481	436984.6	3725268	2.47E-04	1.05E-05	5.17E-05	2.67E-06	2.65E-04	1.27E-05	3.17E-05	1.42E-06
482	436972.2	3725233	2.34E-04	9.75E-06	4.89E-05	2.47E-06	2.51E-04	1.17E-05	3.00E-05	1.31E-06
483	436969.1	3725225	2.31E-04	9.60E-06	4.84E-05	2.43E-06	2.49E-04	1.15E-05	2.96E-05	1.29E-06
484	436970	3725208	2.32E-04	9.55E-06	4.86E-05	2.41E-06	2.50E-04	1.14E-05	2.98E-05	1.27E-06
485	436974	3725199	2.34E-04	9.57E-06	4.90E-05	2.41E-06	2.52E-04	1.14E-05	3.00E-05	1.28E-06
486	436978	3725191	2.36E-04	9.59E-06	4.94E-05	2.41E-06	2.54E-04	1.14E-05	3.02E-05	1.28E-06
487	436982	3725183	2.38E-04	9.60E-06	4.98E-05	2.41E-06	2.56E-04	1.14E-05	3.04E-05	1.27E-06
488	437009.9	3725124	2.43E-04	9.27E-06	5.08E-05	2.30E-06	2.61E-04	1.09E-05	3.10E-05	1.21E-06
489	437013.9	3725116	2.43E-04	9.18E-06	5.08E-05	2.27E-06	2.61E-04	1.08E-05	3.09E-05	1.19E-06
490	437017.9	3725107	2.44E-04	9.10E-06	5.09E-05	2.25E-06	2.62E-04	1.07E-05	3.10E-05	1.18E-06
491	437021.9	3725099	2.45E-04	9.03E-06	5.10E-05	2.23E-06	2.63E-04	1.05E-05	3.10E-05	1.17E-06
492	437025.9	3725090	2.45E-04	8.95E-06	5.12E-05	2.20E-06	2.64E-04	1.04E-05	3.11E-05	1.15E-06
493	437029.8	3725082	2.47E-04	8.89E-06	5.15E-05	2.18E-06	2.65E-04	1.03E-05	3.13E-05	1.14E-06
494	437033.8	3725074	2.49E-04	8.84E-06	5.18E-05	2.16E-06	2.67E-04	1.02E-05	3.15E-05	1.13E-06
495	437037.8	3725065	2.51E-04	8.79E-06	5.22E-05	2.14E-06	2.69E-04	1.01E-05	3.17E-05	1.12E-06
496	437041.8	3725057	2.53E-04	8.73E-06	5.26E-05	2.12E-06	2.71E-04	1.00E-05	3.19E-05	1.10E-06
497	437045.8	3725049	2.55E-04	8.69E-06	5.32E-05	2.10E-06	2.74E-04	9.93E-06	3.22E-05	1.09E-06
498	437049.8	3725040	2.57E-04	8.60E-06	5.35E-05	2.07E-06	2.76E-04	9.80E-06	3.24E-05	1.08E-06
499	437053.8	3725032	2.58E-04	8.49E-06	5.36E-05	2.04E-06	2.77E-04	9.64E-06	3.25E-05	1.06E-06
500	437057.7	3725024	2.59E-04	8.38E-06	5.38E-05	2.00E-06	2.78E-04	9.47E-06	3.25E-05	1.04E-06

501	437061.7	3725015	2.59E-04	8.26E-06	5.38E-05	1.96E-06	2.78E-04	9.30E-06	3.26E-05	1.02E-06
502	437065.7	3725007	2.59E-04	8.14E-06	5.39E-05	1.93E-06	2.78E-04	9.12E-06	3.26E-05	9.95E-07
503	437069.7	3724998	2.59E-04	8.01E-06	5.38E-05	1.89E-06	2.78E-04	8.93E-06	3.25E-05	9.74E-07
504	437073.7	3724990	2.59E-04	7.88E-06	5.37E-05	1.85E-06	2.78E-04	8.75E-06	3.24E-05	9.52E-07
505	437077.7	3724982	2.58E-04	7.75E-06	5.36E-05	1.81E-06	2.77E-04	8.56E-06	3.24E-05	9.30E-07
506	437081.7	3724973	2.57E-04	7.61E-06	5.34E-05	1.77E-06	2.76E-04	8.37E-06	3.22E-05	9.08E-07
507	437085.7	3724965	2.57E-04	7.47E-06	5.32E-05	1.73E-06	2.76E-04	8.18E-06	3.21E-05	8.86E-07
508	437089.6	3724957	2.56E-04	7.33E-06	5.30E-05	1.69E-06	2.74E-04	7.99E-06	3.19E-05	8.64E-07
509	437093.6	3724948	2.54E-04	7.19E-06	5.28E-05	1.65E-06	2.73E-04	7.81E-06	3.18E-05	8.42E-07
510	437097.6	3724940	2.53E-04	7.05E-06	5.24E-05	1.61E-06	2.72E-04	7.61E-06	3.16E-05	8.20E-07
511	437101.6	3724932	2.51E-04	6.91E-06	5.21E-05	1.57E-06	2.70E-04	7.42E-06	3.13E-05	7.98E-07
512	437105.6	3724923	2.49E-04	6.77E-06	5.17E-05	1.53E-06	2.68E-04	7.24E-06	3.11E-05	7.76E-07
513	437109.6	3724915	2.47E-04	6.62E-06	5.13E-05	1.49E-06	2.66E-04	7.05E-06	3.08E-05	7.55E-07
514	437137.5	3724856	2.28E-04	5.64E-06	4.72E-05	1.23E-06	2.45E-04	5.81E-06	2.82E-05	6.14E-07
515	437141.5	3724848	2.25E-04	5.50E-06	4.65E-05	1.20E-06	2.41E-04	5.65E-06	2.78E-05	5.96E-07
516	437145.5	3724839	2.21E-04	5.37E-06	4.57E-05	1.16E-06	2.38E-04	5.49E-06	2.73E-05	5.78E-07
517	437149.5	3724831	2.18E-04	5.24E-06	4.50E-05	1.13E-06	2.34E-04	5.33E-06	2.69E-05	5.60E-07
518	437032.7	3725488	2.97E-04	1.40E-05	6.25E-05	3.64E-06	3.19E-04	1.73E-05	3.86E-05	1.95E-06
519	437029.6	3725479	2.93E-04	1.38E-05	6.17E-05	3.58E-06	3.16E-04	1.70E-05	3.82E-05	1.91E-06
520	437026.5	3725470	2.90E-04	1.36E-05	6.10E-05	3.52E-06	3.12E-04	1.67E-05	3.77E-05	1.88E-06
521	437023.3	3725461	2.86E-04	1.33E-05	6.02E-05	3.45E-06	3.08E-04	1.64E-05	3.72E-05	1.84E-06
522	437020.2	3725453	2.83E-04	1.31E-05	5.95E-05	3.39E-06	3.04E-04	1.61E-05	3.67E-05	1.81E-06
523	437017.1	3725444	2.79E-04	1.29E-05	5.87E-05	3.33E-06	3.00E-04	1.58E-05	3.62E-05	1.78E-06
524	437014	3725435	2.76E-04	1.27E-05	5.81E-05	3.27E-06	2.97E-04	1.55E-05	3.58E-05	1.74E-06
525	437010.9	3725426	2.73E-04	1.25E-05	5.74E-05	3.22E-06	2.94E-04	1.53E-05	3.54E-05	1.71E-06
526	436998.4	3725391	2.61E-04	1.17E-05	5.48E-05	3.01E-06	2.81E-04	1.43E-05	3.38E-05	1.60E-06
527	436995.3	3725382	2.58E-04	1.15E-05	5.42E-05	2.96E-06	2.78E-04	1.40E-05	3.34E-05	1.57E-06
528	436992.2	3725373	2.55E-04	1.13E-05	5.36E-05	2.91E-06	2.75E-04	1.38E-05	3.30E-05	1.55E-06
529	436989.1	3725364	2.53E-04	1.12E-05	5.30E-05	2.86E-06	2.71E-04	1.36E-05	3.26E-05	1.52E-06
530	436985.9	3725356	2.50E-04	1.10E-05	5.24E-05	2.82E-06	2.68E-04	1.33E-05	3.22E-05	1.50E-06
531	436982.8	3725347	2.47E-04	1.08E-05	5.18E-05	2.77E-06	2.66E-04	1.31E-05	3.18E-05	1.47E-06
532	436979.7	3725338	2.44E-04	1.07E-05	5.13E-05	2.73E-06	2.63E-04	1.29E-05	3.15E-05	1.45E-06
533	436976.6	3725329	2.42E-04	1.05E-05	5.07E-05	2.69E-06	2.60E-04	1.27E-05	3.11E-05	1.43E-06
534	436973.5	3725320	2.39E-04	1.04E-05	5.01E-05	2.64E-06	2.57E-04	1.25E-05	3.08E-05	1.40E-06
535	436970.4	3725311	2.36E-04	1.02E-05	4.95E-05	2.60E-06	2.54E-04	1.23E-05	3.04E-05	1.38E-06
536	436967.2	3725303	2.33E-04	1.00E-05	4.89E-05	2.55E-06	2.51E-04	1.21E-05	3.00E-05	1.35E-06
537	436964.1	3725294	2.30E-04	9.86E-06	4.83E-05	2.51E-06	2.48E-04	1.19E-05	2.96E-05	1.33E-06
538	436961	3725285	2.27E-04	9.67E-06	4.75E-05	2.46E-06	2.44E-04	1.16E-05	2.91E-05	1.30E-06
539	436957.9	3725276	2.24E-04	9.49E-06	4.68E-05	2.41E-06	2.40E-04	1.14E-05	2.87E-05	1.28E-06
540	436954.8	3725267	2.20E-04	9.31E-06	4.61E-05	2.36E-06	2.37E-04	1.12E-05	2.83E-05	1.25E-06
541	436945.4	3725241	2.13E-04	8.89E-06	4.46E-05	2.25E-06	2.29E-04	1.07E-05	2.73E-05	1.19E-06
542	436942.3	3725232	2.11E-04	8.76E-06	4.41E-05	2.21E-06	2.27E-04	1.05E-05	2.70E-05	1.17E-06
543	436939.2	3725223	2.09E-04	8.64E-06	4.37E-05	2.18E-06	2.25E-04	1.03E-05	2.67E-05	1.15E-06
544	436940.1	3725206	2.10E-04	8.61E-06	4.39E-05	2.17E-06	2.26E-04	1.03E-05	2.69E-05	1.15E-06
545	436944.1	3725198	2.13E-04	8.67E-06	4.45E-05	2.18E-06	2.28E-04	1.03E-05	2.72E-05	1.15E-06
546	436948.2	3725189	2.15E-04	8.74E-06	4.50E-05	2.20E-06	2.31E-04	1.04E-05	2.75E-05	1.16E-06
547	436952.2	3725181	2.18E-04	8.79E-06	4.55E-05	2.21E-06	2.34E-04	1.05E-05	2.78E-05	1.17E-06
548	436988.4	3725105	2.24E-04	8.44E-06	4.66E-05	2.09E-06	2.40E-04	9.90E-06	2.84E-05	1.10E-06
549	436992.4	3725096	2.24E-04	8.37E-06	4.67E-05	2.07E-06	2.40E-04	9.79E-06	2.84E-05	1.08E-06
550	436996.5	3725088	2.24E-04	8.30E-06	4.67E-05	2.05E-06	2.41E-04	9.69E-06	2.84E-05	1.07E-06
551	437000.5	3725079	2.25E-04	8.25E-06	4.69E-05	2.03E-06	2.42E-04	9.60E-06	2.85E-05	1.06E-06
552	437004.5	3725071	2.26E-04	8.20E-06	4.72E-05	2.01E-06	2.43E-04	9.51E-06	2.86E-05	1.05E-06
553	437008.5	3725062	2.28E-04	8.15E-06	4.75E-05	1.99E-06	2.45E-04	9.43E-06	2.88E-05	1.04E-06
554	437012.6	3725054	2.30E-04	8.11E-06	4.78E-05	1.98E-06	2.47E-04	9.36E-06	2.90E-05	1.03E-06
555	437016.6	3725045	2.32E-04	8.09E-06	4.83E-05	1.96E-06	2.49E-04	9.29E-06	2.93E-05	1.02E-06
556	437020.6	3725037	2.34E-04	8.06E-06	4.88E-05	1.95E-06	2.52E-04	9.23E-06	2.95E-05	1.01E-06

557	437024.7	3725029	2.37E-04	8.03E-06	4.92E-05	1.93E-06	2.54E-04	9.16E-06	2.98E-05	1.01E-06
558	437028.7	3725020	2.37E-04	7.93E-06	4.93E-05	1.91E-06	2.55E-04	9.02E-06	2.98E-05	9.89E-07
559	437032.7	3725012	2.38E-04	7.83E-06	4.94E-05	1.87E-06	2.55E-04	8.87E-06	2.98E-05	9.72E-07
560	437036.7	3725003	2.38E-04	7.73E-06	4.94E-05	1.84E-06	2.55E-04	8.72E-06	2.98E-05	9.54E-07
561	437040.8	3724995	2.38E-04	7.62E-06	4.93E-05	1.81E-06	2.55E-04	8.57E-06	2.98E-05	9.36E-07
562	437044.8	3724986	2.37E-04	7.51E-06	4.93E-05	1.78E-06	2.55E-04	8.41E-06	2.97E-05	9.17E-07
563	437048.8	3724978	2.37E-04	7.39E-06	4.92E-05	1.74E-06	2.54E-04	8.24E-06	2.96E-05	8.97E-07
564	437052.8	3724969	2.36E-04	7.28E-06	4.91E-05	1.71E-06	2.54E-04	8.08E-06	2.96E-05	8.79E-07
565	437056.9	3724961	2.36E-04	7.16E-06	4.90E-05	1.67E-06	2.53E-04	7.92E-06	2.95E-05	8.60E-07
566	437060.9	3724953	2.36E-04	7.04E-06	4.89E-05	1.64E-06	2.53E-04	7.75E-06	2.94E-05	8.41E-07
567	437064.9	3724944	2.35E-04	6.92E-06	4.87E-05	1.60E-06	2.52E-04	7.59E-06	2.93E-05	8.22E-07
568	437068.9	3724936	2.34E-04	6.80E-06	4.85E-05	1.57E-06	2.51E-04	7.42E-06	2.92E-05	8.02E-07
569	437073	3724927	2.33E-04	6.68E-06	4.83E-05	1.53E-06	2.50E-04	7.25E-06	2.91E-05	7.83E-07
570	437077	3724919	2.32E-04	6.55E-06	4.81E-05	1.50E-06	2.49E-04	7.08E-06	2.89E-05	7.63E-07
571	437081	3724910	2.31E-04	6.42E-06	4.78E-05	1.46E-06	2.48E-04	6.92E-06	2.87E-05	7.44E-07
572	437085	3724902	2.29E-04	6.30E-06	4.74E-05	1.43E-06	2.46E-04	6.75E-06	2.85E-05	7.25E-07
573	437089.1	3724893	2.27E-04	6.17E-06	4.70E-05	1.39E-06	2.44E-04	6.58E-06	2.82E-05	7.06E-07
574	437093.1	3724885	2.25E-04	6.04E-06	4.66E-05	1.36E-06	2.42E-04	6.42E-06	2.80E-05	6.86E-07
575	437117.2	3724834	2.09E-04	5.27E-06	4.33E-05	1.16E-06	2.25E-04	5.46E-06	2.59E-05	5.78E-07
576	437121.3	3724826	2.06E-04	5.15E-06	4.26E-05	1.12E-06	2.22E-04	5.31E-06	2.55E-05	5.61E-07
577	437125.3	3724817	2.03E-04	5.03E-06	4.20E-05	1.09E-06	2.18E-04	5.16E-06	2.51E-05	5.45E-07
578	437129.3	3724809	2.00E-04	4.91E-06	4.13E-05	1.06E-06	2.15E-04	5.02E-06	2.46E-05	5.29E-07
579	436993.2	3725487	2.53E-04	1.16E-05	5.31E-05	2.99E-06	2.72E-04	1.42E-05	3.27E-05	1.59E-06
580	436990.1	3725478	2.50E-04	1.14E-05	5.25E-05	2.94E-06	2.69E-04	1.39E-05	3.23E-05	1.56E-06
581	436987	3725470	2.47E-04	1.12E-05	5.19E-05	2.89E-06	2.66E-04	1.37E-05	3.19E-05	1.54E-06
582	436983.8	3725461	2.44E-04	1.10E-05	5.13E-05	2.84E-06	2.63E-04	1.35E-05	3.16E-05	1.51E-06
583	436980.7	3725452	2.42E-04	1.09E-05	5.08E-05	2.80E-06	2.60E-04	1.33E-05	3.12E-05	1.49E-06
584	436977.6	3725443	2.39E-04	1.07E-05	5.03E-05	2.76E-06	2.57E-04	1.31E-05	3.09E-05	1.47E-06
585	436974.4	3725434	2.37E-04	1.06E-05	4.97E-05	2.72E-06	2.55E-04	1.29E-05	3.06E-05	1.44E-06
586	436965	3725407	2.30E-04	1.02E-05	4.83E-05	2.60E-06	2.48E-04	1.23E-05	2.97E-05	1.38E-06
587	436961.9	3725399	2.28E-04	1.00E-05	4.78E-05	2.56E-06	2.45E-04	1.22E-05	2.94E-05	1.36E-06
588	436946.3	3725354	2.17E-04	9.39E-06	4.55E-05	2.39E-06	2.34E-04	1.13E-05	2.79E-05	1.27E-06
589	436943.1	3725345	2.15E-04	9.27E-06	4.51E-05	2.36E-06	2.32E-04	1.12E-05	2.77E-05	1.25E-06
590	436940	3725336	2.13E-04	9.16E-06	4.47E-05	2.33E-06	2.29E-04	1.10E-05	2.74E-05	1.24E-06
591	436936.9	3725328	2.11E-04	9.04E-06	4.43E-05	2.30E-06	2.27E-04	1.09E-05	2.71E-05	1.22E-06
592	436933.7	3725319	2.09E-04	8.91E-06	4.38E-05	2.26E-06	2.25E-04	1.07E-05	2.68E-05	1.20E-06
593	436930.6	3725310	2.07E-04	8.78E-06	4.32E-05	2.23E-06	2.22E-04	1.06E-05	2.65E-05	1.18E-06
594	436927.5	3725301	2.04E-04	8.65E-06	4.27E-05	2.19E-06	2.19E-04	1.04E-05	2.62E-05	1.16E-06
595	436924.3	3725292	2.02E-04	8.51E-06	4.22E-05	2.16E-06	2.17E-04	1.02E-05	2.58E-05	1.14E-06
596	436921.2	3725283	1.99E-04	8.37E-06	4.16E-05	2.12E-06	2.14E-04	1.00E-05	2.55E-05	1.12E-06
597	436918.1	3725274	1.97E-04	8.24E-06	4.11E-05	2.09E-06	2.11E-04	9.88E-06	2.52E-05	1.10E-06
598	436914.9	3725266	1.94E-04	8.11E-06	4.06E-05	2.05E-06	2.09E-04	9.72E-06	2.48E-05	1.09E-06
599	436905.5	3725239	1.89E-04	7.81E-06	3.95E-05	1.97E-06	2.03E-04	9.33E-06	2.41E-05	1.04E-06
600	436902.4	3725230	1.87E-04	7.71E-06	3.91E-05	1.94E-06	2.01E-04	9.21E-06	2.39E-05	1.03E-06
601	436899.3	3725221	1.86E-04	7.62E-06	3.88E-05	1.92E-06	1.99E-04	9.09E-06	2.37E-05	1.01E-06
602	436900.2	3725204	1.86E-04	7.58E-06	3.88E-05	1.91E-06	2.00E-04	9.03E-06	2.37E-05	1.01E-06
603	436904.2	3725195	1.88E-04	7.64E-06	3.92E-05	1.92E-06	2.02E-04	9.09E-06	2.39E-05	1.01E-06
604	436908.3	3725187	1.90E-04	7.68E-06	3.96E-05	1.93E-06	2.04E-04	9.14E-06	2.42E-05	1.02E-06
605	436912.3	3725178	1.92E-04	7.73E-06	4.00E-05	1.94E-06	2.06E-04	9.19E-06	2.44E-05	1.02E-06
606	436948.7	3725102	1.99E-04	7.63E-06	4.16E-05	1.89E-06	2.14E-04	8.95E-06	2.53E-05	9.93E-07
607	436952.8	3725093	2.00E-04	7.60E-06	4.18E-05	1.88E-06	2.15E-04	8.90E-06	2.54E-05	9.86E-07
608	436956.8	3725085	2.01E-04	7.56E-06	4.19E-05	1.87E-06	2.16E-04	8.84E-06	2.55E-05	9.80E-07
609	436960.9	3725076	2.02E-04	7.51E-06	4.20E-05	1.85E-06	2.16E-04	8.76E-06	2.55E-05	9.70E-07
610	436964.9	3725068	2.02E-04	7.45E-06	4.20E-05	1.83E-06	2.17E-04	8.68E-06	2.55E-05	9.60E-07
611	436969	3725059	2.02E-04	7.40E-06	4.21E-05	1.81E-06	2.17E-04	8.59E-06	2.56E-05	9.49E-07
612	436973	3725051	2.03E-04	7.37E-06	4.24E-05	1.80E-06	2.19E-04	8.53E-06	2.57E-05	9.42E-07

613	436977.1	3725042	2.05E-04	7.35E-06	4.27E-05	1.79E-06	2.20E-04	8.49E-06	2.59E-05	9.36E-07
614	436981.1	3725034	2.07E-04	7.33E-06	4.31E-05	1.78E-06	2.22E-04	8.44E-06	2.61E-05	9.30E-07
615	436985.2	3725025	2.09E-04	7.31E-06	4.34E-05	1.77E-06	2.24E-04	8.39E-06	2.63E-05	9.24E-07
616	436989.2	3725017	2.10E-04	7.25E-06	4.36E-05	1.75E-06	2.25E-04	8.30E-06	2.64E-05	9.13E-07
617	436993.3	3725009	2.10E-04	7.19E-06	4.37E-05	1.73E-06	2.26E-04	8.20E-06	2.64E-05	9.01E-07
618	436997.3	3725000	2.11E-04	7.12E-06	4.38E-05	1.71E-06	2.26E-04	8.10E-06	2.65E-05	8.89E-07
619	437001.3	3724992	2.10E-04	7.02E-06	4.37E-05	1.68E-06	2.26E-04	7.97E-06	2.64E-05	8.73E-07
620	437005.4	3724983	2.09E-04	6.91E-06	4.35E-05	1.65E-06	2.25E-04	7.81E-06	2.63E-05	8.55E-07
621	437009.4	3724975	2.08E-04	6.79E-06	4.32E-05	1.62E-06	2.24E-04	7.65E-06	2.61E-05	8.37E-07
622	437013.5	3724966	2.07E-04	6.68E-06	4.30E-05	1.58E-06	2.22E-04	7.50E-06	2.59E-05	8.19E-07
623	437017.5	3724958	2.07E-04	6.59E-06	4.30E-05	1.56E-06	2.22E-04	7.37E-06	2.59E-05	8.04E-07
624	437021.6	3724949	2.07E-04	6.51E-06	4.30E-05	1.53E-06	2.22E-04	7.25E-06	2.59E-05	7.90E-07
625	437025.6	3724941	2.07E-04	6.43E-06	4.30E-05	1.51E-06	2.23E-04	7.14E-06	2.59E-05	7.76E-07
626	437029.7	3724932	2.08E-04	6.37E-06	4.31E-05	1.49E-06	2.23E-04	7.04E-06	2.60E-05	7.64E-07
627	437033.7	3724924	2.09E-04	6.32E-06	4.34E-05	1.47E-06	2.25E-04	6.96E-06	2.61E-05	7.54E-07
628	437037.8	3724915	2.10E-04	6.26E-06	4.36E-05	1.45E-06	2.26E-04	6.87E-06	2.62E-05	7.43E-07
629	437041.8	3724907	2.10E-04	6.18E-06	4.36E-05	1.43E-06	2.26E-04	6.75E-06	2.62E-05	7.30E-07
630	437045.9	3724898	2.10E-04	6.08E-06	4.34E-05	1.40E-06	2.25E-04	6.61E-06	2.61E-05	7.13E-07
631	437049.9	3724890	2.09E-04	5.97E-06	4.32E-05	1.37E-06	2.24E-04	6.46E-06	2.60E-05	6.97E-07
632	437053.9	3724881	2.07E-04	5.86E-06	4.29E-05	1.34E-06	2.23E-04	6.32E-06	2.58E-05	6.80E-07
633	437058	3724873	2.06E-04	5.75E-06	4.26E-05	1.31E-06	2.21E-04	6.17E-06	2.56E-05	6.63E-07
634	437062	3724864	2.04E-04	5.63E-06	4.22E-05	1.28E-06	2.19E-04	6.03E-06	2.53E-05	6.47E-07
635	437066.1	3724856	2.02E-04	5.52E-06	4.18E-05	1.25E-06	2.17E-04	5.88E-06	2.51E-05	6.30E-07
636	437070.1	3724847	2.00E-04	5.41E-06	4.14E-05	1.21E-06	2.15E-04	5.74E-06	2.48E-05	6.14E-07
637	437090.4	3724805	1.88E-04	4.85E-06	3.89E-05	1.07E-06	2.02E-04	5.05E-06	2.32E-05	5.36E-07
638	437094.4	3724796	1.86E-04	4.74E-06	3.83E-05	1.04E-06	1.99E-04	4.92E-06	2.29E-05	5.21E-07
639	437098.5	3724788	1.83E-04	4.63E-06	3.77E-05	1.01E-06	1.96E-04	4.79E-06	2.25E-05	5.06E-07
640	437102.5	3724779	1.80E-04	4.53E-06	3.71E-05	9.87E-07	1.93E-04	4.66E-06	2.21E-05	4.92E-07
641	436956.9	3725495	2.20E-04	9.83E-06	4.61E-05	2.52E-06	2.36E-04	1.19E-05	2.83E-05	1.34E-06
642	436953.7	3725486	2.18E-04	9.69E-06	4.56E-05	2.48E-06	2.34E-04	1.18E-05	2.80E-05	1.32E-06
643	436950.6	3725477	2.16E-04	9.57E-06	4.52E-05	2.45E-06	2.32E-04	1.16E-05	2.78E-05	1.30E-06
644	436947.4	3725469	2.14E-04	9.45E-06	4.48E-05	2.42E-06	2.30E-04	1.15E-05	2.75E-05	1.29E-06
645	436944.3	3725460	2.12E-04	9.34E-06	4.44E-05	2.39E-06	2.28E-04	1.13E-05	2.73E-05	1.27E-06
646	436941.1	3725451	2.10E-04	9.23E-06	4.41E-05	2.36E-06	2.26E-04	1.12E-05	2.70E-05	1.25E-06
647	436938	3725442	2.08E-04	9.12E-06	4.37E-05	2.33E-06	2.24E-04	1.10E-05	2.68E-05	1.24E-06
648	436925.4	3725406	2.01E-04	8.69E-06	4.21E-05	2.21E-06	2.16E-04	1.05E-05	2.58E-05	1.17E-06
649	436922.3	3725397	2.00E-04	8.60E-06	4.18E-05	2.19E-06	2.15E-04	1.04E-05	2.56E-05	1.16E-06
650	436919.1	3725388	1.98E-04	8.51E-06	4.15E-05	2.16E-06	2.13E-04	1.03E-05	2.54E-05	1.15E-06
651	436916	3725379	1.97E-04	8.42E-06	4.12E-05	2.14E-06	2.11E-04	1.01E-05	2.52E-05	1.13E-06
652	436912.8	3725371	1.95E-04	8.33E-06	4.09E-05	2.12E-06	2.10E-04	1.00E-05	2.50E-05	1.12E-06
653	436887.7	3725299	1.80E-04	7.53E-06	3.77E-05	1.90E-06	1.94E-04	9.02E-06	2.30E-05	1.01E-06
654	436884.5	3725290	1.78E-04	7.43E-06	3.73E-05	1.88E-06	1.92E-04	8.89E-06	2.28E-05	9.93E-07
655	436881.4	3725281	1.77E-04	7.34E-06	3.69E-05	1.85E-06	1.90E-04	8.77E-06	2.25E-05	9.79E-07
656	436878.2	3725273	1.75E-04	7.24E-06	3.65E-05	1.82E-06	1.88E-04	8.64E-06	2.23E-05	9.64E-07
657	436865.6	3725237	1.69E-04	6.93E-06	3.53E-05	1.74E-06	1.82E-04	8.26E-06	2.15E-05	9.21E-07
658	436862.5	3725228	1.68E-04	6.87E-06	3.51E-05	1.73E-06	1.80E-04	8.18E-06	2.14E-05	9.12E-07
659	436859.3	3725219	1.67E-04	6.82E-06	3.49E-05	1.71E-06	1.79E-04	8.11E-06	2.13E-05	9.04E-07
660	436860.3	3725202	1.68E-04	6.82E-06	3.51E-05	1.71E-06	1.81E-04	8.11E-06	2.14E-05	9.03E-07
661	436864.3	3725193	1.70E-04	6.86E-06	3.54E-05	1.72E-06	1.82E-04	8.16E-06	2.16E-05	9.08E-07
662	436868.4	3725185	1.71E-04	6.91E-06	3.57E-05	1.73E-06	1.84E-04	8.21E-06	2.18E-05	9.14E-07
663	436900.9	3725116	1.77E-04	6.92E-06	3.70E-05	1.72E-06	1.91E-04	8.15E-06	2.25E-05	9.06E-07
664	436905	3725108	1.78E-04	6.90E-06	3.71E-05	1.71E-06	1.91E-04	8.12E-06	2.26E-05	9.01E-07
665	436909	3725099	1.78E-04	6.88E-06	3.72E-05	1.71E-06	1.92E-04	8.08E-06	2.26E-05	8.96E-07
666	436913.1	3725091	1.79E-04	6.85E-06	3.73E-05	1.70E-06	1.92E-04	8.03E-06	2.27E-05	8.91E-07
667	436917.2	3725082	1.80E-04	6.82E-06	3.74E-05	1.69E-06	1.93E-04	7.99E-06	2.27E-05	8.85E-07
668	436921.2	3725074	1.80E-04	6.80E-06	3.75E-05	1.68E-06	1.93E-04	7.94E-06	2.28E-05	8.80E-07

669	436925.3	3725065	1.81E-04	6.77E-06	3.76E-05	1.67E-06	1.94E-04	7.89E-06	2.28E-05	8.73E-07
670	436929.4	3725057	1.81E-04	6.73E-06	3.77E-05	1.66E-06	1.95E-04	7.84E-06	2.29E-05	8.67E-07
671	436933.4	3725048	1.82E-04	6.71E-06	3.79E-05	1.65E-06	1.96E-04	7.80E-06	2.30E-05	8.62E-07
672	436937.5	3725040	1.83E-04	6.69E-06	3.81E-05	1.64E-06	1.97E-04	7.76E-06	2.31E-05	8.57E-07
673	436941.6	3725031	1.84E-04	6.67E-06	3.84E-05	1.63E-06	1.98E-04	7.72E-06	2.32E-05	8.52E-07
674	436945.6	3725023	1.86E-04	6.65E-06	3.86E-05	1.62E-06	1.99E-04	7.68E-06	2.34E-05	8.47E-07
675	436949.7	3725014	1.87E-04	6.64E-06	3.89E-05	1.61E-06	2.01E-04	7.64E-06	2.35E-05	8.41E-07
676	436953.7	3725005	1.88E-04	6.61E-06	3.91E-05	1.60E-06	2.02E-04	7.59E-06	2.37E-05	8.35E-07
677	436957.8	3724997	1.89E-04	6.58E-06	3.94E-05	1.59E-06	2.03E-04	7.53E-06	2.38E-05	8.28E-07
678	436961.9	3724988	1.89E-04	6.51E-06	3.93E-05	1.57E-06	2.03E-04	7.43E-06	2.38E-05	8.16E-07
679	436965.9	3724980	1.89E-04	6.42E-06	3.92E-05	1.55E-06	2.03E-04	7.31E-06	2.37E-05	8.03E-07
680	436970	3724971	1.88E-04	6.34E-06	3.91E-05	1.52E-06	2.02E-04	7.19E-06	2.36E-05	7.89E-07
681	436974.1	3724963	1.88E-04	6.26E-06	3.90E-05	1.50E-06	2.01E-04	7.08E-06	2.35E-05	7.75E-07
682	436978.1	3724954	1.88E-04	6.18E-06	3.89E-05	1.47E-06	2.01E-04	6.98E-06	2.35E-05	7.63E-07
683	436982.2	3724946	1.87E-04	6.11E-06	3.89E-05	1.45E-06	2.01E-04	6.87E-06	2.34E-05	7.51E-07
684	436986.3	3724937	1.87E-04	6.03E-06	3.88E-05	1.43E-06	2.01E-04	6.76E-06	2.34E-05	7.38E-07
685	436990.3	3724929	1.89E-04	6.00E-06	3.91E-05	1.42E-06	2.02E-04	6.71E-06	2.35E-05	7.31E-07
686	436994.4	3724920	1.90E-04	5.99E-06	3.95E-05	1.41E-06	2.04E-04	6.67E-06	2.38E-05	7.26E-07
687	436998.5	3724912	1.93E-04	5.98E-06	3.99E-05	1.40E-06	2.07E-04	6.62E-06	2.40E-05	7.20E-07
688	437002.5	3724903	1.94E-04	5.94E-06	4.01E-05	1.39E-06	2.08E-04	6.56E-06	2.41E-05	7.12E-07
689	437006.6	3724895	1.93E-04	5.85E-06	4.00E-05	1.36E-06	2.07E-04	6.44E-06	2.41E-05	6.98E-07
690	437010.7	3724886	1.93E-04	5.76E-06	3.99E-05	1.34E-06	2.07E-04	6.31E-06	2.40E-05	6.84E-07
691	437014.7	3724878	1.92E-04	5.66E-06	3.97E-05	1.31E-06	2.06E-04	6.19E-06	2.39E-05	6.69E-07
692	437018.8	3724869	1.91E-04	5.57E-06	3.95E-05	1.28E-06	2.05E-04	6.06E-06	2.37E-05	6.55E-07
693	437022.9	3724860	1.89E-04	5.47E-06	3.92E-05	1.26E-06	2.03E-04	5.94E-06	2.35E-05	6.40E-07
694	437026.9	3724852	1.88E-04	5.38E-06	3.89E-05	1.23E-06	2.02E-04	5.81E-06	2.33E-05	6.26E-07
695	437059.4	3724784	1.73E-04	4.59E-06	3.58E-05	1.02E-06	1.86E-04	4.82E-06	2.14E-05	5.14E-07
696	437063.5	3724775	1.71E-04	4.50E-06	3.53E-05	9.95E-07	1.83E-04	4.70E-06	2.11E-05	5.00E-07
697	437067.6	3724767	1.69E-04	4.40E-06	3.48E-05	9.71E-07	1.81E-04	4.58E-06	2.08E-05	4.87E-07
698	437071.6	3724758	1.66E-04	4.30E-06	3.42E-05	9.45E-07	1.78E-04	4.47E-06	2.04E-05	4.74E-07
699	437075.7	3724750	1.64E-04	4.20E-06	3.37E-05	9.21E-07	1.75E-04	4.35E-06	2.01E-05	4.61E-07
700	436918.7	3725498	1.95E-04	8.53E-06	4.08E-05	2.18E-06	2.09E-04	1.03E-05	2.50E-05	1.16E-06
701	436915.6	3725489	1.93E-04	8.42E-06	4.04E-05	2.15E-06	2.07E-04	1.02E-05	2.48E-05	1.14E-06
702	436912.5	3725481	1.91E-04	8.32E-06	4.01E-05	2.12E-06	2.06E-04	1.00E-05	2.46E-05	1.13E-06
703	436909.4	3725472	1.90E-04	8.22E-06	3.97E-05	2.09E-06	2.04E-04	9.92E-06	2.43E-05	1.11E-06
704	436906.3	3725463	1.88E-04	8.13E-06	3.94E-05	2.07E-06	2.02E-04	9.80E-06	2.41E-05	1.10E-06
705	436903.2	3725454	1.87E-04	8.04E-06	3.90E-05	2.04E-06	2.00E-04	9.69E-06	2.39E-05	1.08E-06
706	436900.1	3725446	1.85E-04	7.95E-06	3.87E-05	2.02E-06	1.99E-04	9.57E-06	2.37E-05	1.07E-06
707	436893.9	3725428	1.82E-04	7.79E-06	3.82E-05	1.98E-06	1.96E-04	9.37E-06	2.34E-05	1.05E-06
708	436890.8	3725419	1.81E-04	7.72E-06	3.79E-05	1.96E-06	1.95E-04	9.27E-06	2.32E-05	1.04E-06
709	436887.7	3725410	1.80E-04	7.64E-06	3.76E-05	1.94E-06	1.93E-04	9.18E-06	2.30E-05	1.03E-06
710	436884.6	3725402	1.79E-04	7.57E-06	3.74E-05	1.92E-06	1.92E-04	9.08E-06	2.28E-05	1.01E-06
711	436881.5	3725393	1.77E-04	7.50E-06	3.71E-05	1.90E-06	1.91E-04	8.99E-06	2.27E-05	1.00E-06
712	436878.4	3725384	1.76E-04	7.42E-06	3.68E-05	1.88E-06	1.89E-04	8.90E-06	2.25E-05	9.94E-07
713	436875.3	3725375	1.75E-04	7.35E-06	3.65E-05	1.86E-06	1.88E-04	8.80E-06	2.23E-05	9.83E-07
714	436872.2	3725366	1.73E-04	7.27E-06	3.62E-05	1.84E-06	1.86E-04	8.71E-06	2.21E-05	9.72E-07
715	436869	3725358	1.72E-04	7.20E-06	3.59E-05	1.82E-06	1.85E-04	8.61E-06	2.20E-05	9.61E-07
716	436865.9	3725349	1.70E-04	7.12E-06	3.56E-05	1.80E-06	1.83E-04	8.51E-06	2.18E-05	9.50E-07
717	436862.8	3725340	1.69E-04	7.04E-06	3.53E-05	1.78E-06	1.82E-04	8.42E-06	2.16E-05	9.39E-07
718	436859.7	3725331	1.68E-04	6.97E-06	3.50E-05	1.76E-06	1.80E-04	8.33E-06	2.14E-05	9.29E-07
719	436856.6	3725322	1.66E-04	6.90E-06	3.47E-05	1.74E-06	1.78E-04	8.23E-06	2.12E-05	9.19E-07
720	436853.5	3725314	1.65E-04	6.82E-06	3.44E-05	1.72E-06	1.77E-04	8.14E-06	2.10E-05	9.08E-07
721	436850.4	3725305	1.63E-04	6.75E-06	3.41E-05	1.70E-06	1.75E-04	8.05E-06	2.08E-05	8.98E-07
722	436847.3	3725296	1.62E-04	6.68E-06	3.38E-05	1.68E-06	1.74E-04	7.96E-06	2.06E-05	8.88E-07
723	436844.2	3725287	1.60E-04	6.61E-06	3.35E-05	1.66E-06	1.72E-04	7.88E-06	2.04E-05	8.78E-07
724	436841.1	3725278	1.59E-04	6.54E-06	3.32E-05	1.64E-06	1.71E-04	7.79E-06	2.03E-05	8.68E-07

725	436838	3725270	1.58E-04	6.47E-06	3.29E-05	1.63E-06	1.69E-04	7.70E-06	2.01E-05	8.58E-07
726	436828.7	3725243	1.54E-04	6.28E-06	3.21E-05	1.58E-06	1.65E-04	7.47E-06	1.96E-05	8.32E-07
727	436825.6	3725234	1.53E-04	6.22E-06	3.19E-05	1.56E-06	1.64E-04	7.39E-06	1.94E-05	8.23E-07
728	436822.5	3725226	1.52E-04	6.17E-06	3.17E-05	1.55E-06	1.63E-04	7.33E-06	1.93E-05	8.16E-07
729	436819.4	3725217	1.51E-04	6.12E-06	3.15E-05	1.53E-06	1.62E-04	7.26E-06	1.92E-05	8.08E-07
730	436820.3	3725200	1.51E-04	6.11E-06	3.16E-05	1.53E-06	1.63E-04	7.24E-06	1.92E-05	8.06E-07
731	436824.3	3725191	1.53E-04	6.15E-06	3.18E-05	1.54E-06	1.64E-04	7.29E-06	1.94E-05	8.11E-07
732	436828.3	3725183	1.54E-04	6.19E-06	3.21E-05	1.55E-06	1.65E-04	7.34E-06	1.96E-05	8.16E-07
733	436876.4	3725082	1.62E-04	6.23E-06	3.38E-05	1.54E-06	1.74E-04	7.30E-06	2.05E-05	8.09E-07
734	436880.4	3725073	1.63E-04	6.21E-06	3.39E-05	1.53E-06	1.75E-04	7.27E-06	2.06E-05	8.05E-07
735	436884.5	3725065	1.64E-04	6.19E-06	3.41E-05	1.53E-06	1.76E-04	7.24E-06	2.07E-05	8.01E-07
736	436888.5	3725057	1.64E-04	6.18E-06	3.42E-05	1.52E-06	1.76E-04	7.20E-06	2.07E-05	7.97E-07
737	436892.5	3725048	1.65E-04	6.16E-06	3.43E-05	1.51E-06	1.77E-04	7.17E-06	2.08E-05	7.93E-07
738	437032.9	3724753	1.58E-04	4.27E-06	3.26E-05	9.52E-07	1.69E-04	4.50E-06	1.94E-05	4.80E-07
739	437036.9	3724745	1.56E-04	4.18E-06	3.22E-05	9.29E-07	1.67E-04	4.39E-06	1.92E-05	4.68E-07
740	437040.9	3724737	1.54E-04	4.10E-06	3.18E-05	9.08E-07	1.65E-04	4.29E-06	1.89E-05	4.56E-07
741	437044.9	3724728	1.52E-04	4.01E-06	3.13E-05	8.86E-07	1.63E-04	4.19E-06	1.87E-05	4.45E-07
742	437049	3724720	1.50E-04	3.92E-06	3.09E-05	8.65E-07	1.61E-04	4.08E-06	1.84E-05	4.34E-07
743	436848.1	3725409	1.61E-04	6.73E-06	3.37E-05	1.70E-06	1.73E-04	8.05E-06	2.05E-05	8.99E-07
744	436844.9	3725400	1.60E-04	6.67E-06	3.34E-05	1.68E-06	1.72E-04	7.97E-06	2.04E-05	8.89E-07
745	436841.8	3725391	1.59E-04	6.61E-06	3.32E-05	1.67E-06	1.71E-04	7.89E-06	2.02E-05	8.80E-07
746	436838.7	3725383	1.58E-04	6.55E-06	3.29E-05	1.65E-06	1.69E-04	7.81E-06	2.01E-05	8.72E-07
747	436835.6	3725374	1.57E-04	6.50E-06	3.27E-05	1.64E-06	1.68E-04	7.75E-06	2.00E-05	8.64E-07
748	436832.5	3725365	1.56E-04	6.44E-06	3.25E-05	1.62E-06	1.67E-04	7.68E-06	1.98E-05	8.56E-07
749	436829.3	3725356	1.55E-04	6.39E-06	3.23E-05	1.61E-06	1.66E-04	7.61E-06	1.97E-05	8.49E-07
750	436826.2	3725347	1.54E-04	6.33E-06	3.21E-05	1.59E-06	1.65E-04	7.54E-06	1.96E-05	8.41E-07
751	436823.1	3725338	1.53E-04	6.28E-06	3.18E-05	1.58E-06	1.64E-04	7.47E-06	1.94E-05	8.33E-07
752	436820	3725330	1.51E-04	6.22E-06	3.16E-05	1.56E-06	1.63E-04	7.40E-06	1.93E-05	8.25E-07
753	436816.9	3725321	1.50E-04	6.16E-06	3.14E-05	1.55E-06	1.61E-04	7.33E-06	1.91E-05	8.17E-07
754	436813.7	3725312	1.49E-04	6.10E-06	3.11E-05	1.53E-06	1.60E-04	7.26E-06	1.90E-05	8.09E-07
755	436810.6	3725303	1.48E-04	6.04E-06	3.08E-05	1.52E-06	1.59E-04	7.18E-06	1.88E-05	8.00E-07
756	436807.5	3725294	1.47E-04	5.99E-06	3.06E-05	1.50E-06	1.58E-04	7.11E-06	1.86E-05	7.92E-07
757	436804.4	3725285	1.46E-04	5.94E-06	3.04E-05	1.49E-06	1.56E-04	7.05E-06	1.85E-05	7.85E-07
758	436801.3	3725277	1.45E-04	5.89E-06	3.02E-05	1.48E-06	1.55E-04	6.99E-06	1.84E-05	7.78E-07
759	436798.1	3725268	1.44E-04	5.84E-06	3.00E-05	1.46E-06	1.54E-04	6.93E-06	1.82E-05	7.71E-07
760	436795	3725259	1.43E-04	5.79E-06	2.98E-05	1.45E-06	1.53E-04	6.87E-06	1.81E-05	7.65E-07
761	436791.9	3725250	1.42E-04	5.74E-06	2.96E-05	1.44E-06	1.52E-04	6.81E-06	1.80E-05	7.58E-07
762	436788.8	3725241	1.41E-04	5.70E-06	2.94E-05	1.43E-06	1.51E-04	6.75E-06	1.79E-05	7.52E-07
763	436785.7	3725232	1.40E-04	5.65E-06	2.92E-05	1.41E-06	1.50E-04	6.70E-06	1.78E-05	7.45E-07
764	436782.5	3725224	1.39E-04	5.60E-06	2.90E-05	1.40E-06	1.49E-04	6.64E-06	1.76E-05	7.39E-07
765	436779.4	3725215	1.38E-04	5.56E-06	2.88E-05	1.39E-06	1.48E-04	6.58E-06	1.75E-05	7.32E-07
766	436780.3	3725198	1.38E-04	5.54E-06	2.88E-05	1.38E-06	1.48E-04	6.55E-06	1.75E-05	7.29E-07
767	436816.6	3725121	1.46E-04	5.74E-06	3.04E-05	1.43E-06	1.57E-04	6.76E-06	1.85E-05	7.50E-07
768	436820.6	3725113	1.46E-04	5.74E-06	3.05E-05	1.43E-06	1.57E-04	6.75E-06	1.85E-05	7.50E-07
769	436824.7	3725105	1.47E-04	5.73E-06	3.06E-05	1.42E-06	1.58E-04	6.73E-06	1.86E-05	7.47E-07
770	436828.7	3725096	1.47E-04	5.71E-06	3.06E-05	1.42E-06	1.58E-04	6.71E-06	1.86E-05	7.45E-07
771	436832.7	3725088	1.47E-04	5.70E-06	3.07E-05	1.41E-06	1.58E-04	6.69E-06	1.86E-05	7.42E-07
772	436836.8	3725079	1.48E-04	5.69E-06	3.08E-05	1.41E-06	1.59E-04	6.67E-06	1.87E-05	7.40E-07
773	436840.8	3725071	1.49E-04	5.69E-06	3.09E-05	1.41E-06	1.60E-04	6.66E-06	1.88E-05	7.38E-07
774	436844.8	3725062	1.49E-04	5.69E-06	3.11E-05	1.40E-06	1.60E-04	6.65E-06	1.88E-05	7.36E-07
775	436848.8	3725054	1.50E-04	5.68E-06	3.12E-05	1.40E-06	1.61E-04	6.63E-06	1.89E-05	7.34E-07
776	437010	3724715	1.43E-04	3.91E-06	2.96E-05	8.73E-07	1.54E-04	4.12E-06	1.76E-05	4.40E-07
777	437014.1	3724707	1.42E-04	3.83E-06	2.92E-05	8.53E-07	1.52E-04	4.03E-06	1.74E-05	4.30E-07
778	437018.1	3724699	1.40E-04	3.76E-06	2.88E-05	8.34E-07	1.50E-04	3.94E-06	1.72E-05	4.20E-07
779	437022.1	3724690	1.38E-04	3.68E-06	2.84E-05	8.15E-07	1.48E-04	3.85E-06	1.69E-05	4.09E-07
780	436846	3725514	1.59E-04	6.72E-06	3.32E-05	1.70E-06	1.70E-04	8.06E-06	2.03E-05	9.01E-07

781	436842.9	3725505	1.58E-04	6.66E-06	3.29E-05	1.69E-06	1.69E-04	7.98E-06	2.01E-05	8.92E-07
782	436839.7	3725497	1.56E-04	6.60E-06	3.27E-05	1.67E-06	1.68E-04	7.90E-06	2.00E-05	8.82E-07
783	436836.6	3725488	1.55E-04	6.53E-06	3.24E-05	1.65E-06	1.67E-04	7.82E-06	1.98E-05	8.73E-07
784	436833.5	3725479	1.54E-04	6.47E-06	3.22E-05	1.63E-06	1.65E-04	7.74E-06	1.96E-05	8.64E-07
785	436830.3	3725470	1.53E-04	6.40E-06	3.19E-05	1.62E-06	1.64E-04	7.66E-06	1.95E-05	8.55E-07
786	436824.1	3725452	1.51E-04	6.28E-06	3.14E-05	1.58E-06	1.62E-04	7.50E-06	1.92E-05	8.36E-07
787	436789.6	3725355	1.41E-04	5.76E-06	2.95E-05	1.45E-06	1.52E-04	6.85E-06	1.79E-05	7.62E-07
788	436786.5	3725346	1.40E-04	5.72E-06	2.93E-05	1.43E-06	1.51E-04	6.79E-06	1.78E-05	7.56E-07
789	436783.3	3725337	1.39E-04	5.68E-06	2.91E-05	1.42E-06	1.50E-04	6.74E-06	1.77E-05	7.50E-07
790	436780.2	3725328	1.39E-04	5.63E-06	2.89E-05	1.41E-06	1.49E-04	6.68E-06	1.76E-05	7.43E-07
791	436777.1	3725319	1.38E-04	5.58E-06	2.87E-05	1.40E-06	1.48E-04	6.62E-06	1.74E-05	7.36E-07
792	436773.9	3725310	1.36E-04	5.53E-06	2.85E-05	1.38E-06	1.47E-04	6.56E-06	1.73E-05	7.30E-07
793	436770.8	3725301	1.35E-04	5.48E-06	2.82E-05	1.37E-06	1.45E-04	6.49E-06	1.72E-05	7.22E-07
794	436767.7	3725293	1.34E-04	5.43E-06	2.80E-05	1.36E-06	1.44E-04	6.43E-06	1.70E-05	7.16E-07
795	436764.6	3725284	1.33E-04	5.39E-06	2.78E-05	1.35E-06	1.43E-04	6.38E-06	1.69E-05	7.10E-07
796	436761.4	3725275	1.33E-04	5.34E-06	2.76E-05	1.34E-06	1.42E-04	6.33E-06	1.68E-05	7.04E-07
797	436758.3	3725266	1.32E-04	5.30E-06	2.74E-05	1.32E-06	1.41E-04	6.27E-06	1.67E-05	6.98E-07
798	436755.2	3725257	1.31E-04	5.26E-06	2.72E-05	1.31E-06	1.40E-04	6.22E-06	1.66E-05	6.92E-07
799	436752	3725248	1.30E-04	5.22E-06	2.71E-05	1.30E-06	1.39E-04	6.17E-06	1.65E-05	6.86E-07
800	436748.9	3725239	1.29E-04	5.17E-06	2.69E-05	1.29E-06	1.38E-04	6.12E-06	1.63E-05	6.81E-07
801	436745.8	3725230	1.28E-04	5.13E-06	2.67E-05	1.28E-06	1.38E-04	6.07E-06	1.62E-05	6.75E-07
802	436742.6	3725222	1.27E-04	5.09E-06	2.65E-05	1.27E-06	1.37E-04	6.02E-06	1.61E-05	6.69E-07
803	436739.5	3725213	1.26E-04	5.05E-06	2.63E-05	1.26E-06	1.36E-04	5.97E-06	1.60E-05	6.63E-07
804	436740.4	3725195	1.26E-04	5.03E-06	2.63E-05	1.25E-06	1.35E-04	5.94E-06	1.60E-05	6.60E-07
805	436772.8	3725127	1.33E-04	5.22E-06	2.76E-05	1.30E-06	1.42E-04	6.15E-06	1.68E-05	6.83E-07
806	436776.8	3725119	1.33E-04	5.24E-06	2.78E-05	1.30E-06	1.43E-04	6.17E-06	1.69E-05	6.85E-07
807	436780.9	3725110	1.34E-04	5.26E-06	2.80E-05	1.31E-06	1.44E-04	6.18E-06	1.70E-05	6.86E-07
808	436784.9	3725102	1.35E-04	5.27E-06	2.81E-05	1.31E-06	1.45E-04	6.19E-06	1.71E-05	6.87E-07
809	436789	3725093	1.36E-04	5.27E-06	2.82E-05	1.31E-06	1.46E-04	6.19E-06	1.71E-05	6.87E-07
810	436793	3725085	1.36E-04	5.28E-06	2.84E-05	1.31E-06	1.46E-04	6.19E-06	1.72E-05	6.86E-07
811	436797.1	3725077	1.37E-04	5.28E-06	2.85E-05	1.31E-06	1.47E-04	6.18E-06	1.73E-05	6.85E-07
812	436801.1	3725068	1.37E-04	5.27E-06	2.86E-05	1.30E-06	1.47E-04	6.17E-06	1.73E-05	6.84E-07
813	436805.2	3725060	1.38E-04	5.27E-06	2.87E-05	1.30E-06	1.48E-04	6.16E-06	1.74E-05	6.83E-07
814	436809.2	3725051	1.39E-04	5.27E-06	2.88E-05	1.30E-06	1.49E-04	6.16E-06	1.75E-05	6.82E-07
815	436813.2	3725043	1.39E-04	5.28E-06	2.90E-05	1.30E-06	1.50E-04	6.16E-06	1.76E-05	6.81E-07
816	436817.3	3725034	1.40E-04	5.28E-06	2.92E-05	1.30E-06	1.51E-04	6.15E-06	1.77E-05	6.80E-07
817	436787.6	3725460	1.39E-04	5.74E-06	2.90E-05	1.44E-06	1.49E-04	6.84E-06	1.77E-05	7.62E-07
818	436784.4	3725451	1.39E-04	5.71E-06	2.89E-05	1.43E-06	1.49E-04	6.79E-06	1.76E-05	7.57E-07
819	436781.3	3725442	1.38E-04	5.67E-06	2.88E-05	1.42E-06	1.48E-04	6.75E-06	1.75E-05	7.51E-07
820	436753	3725362	1.32E-04	5.34E-06	2.75E-05	1.33E-06	1.42E-04	6.32E-06	1.67E-05	7.03E-07
821	436749.9	3725353	1.31E-04	5.29E-06	2.73E-05	1.32E-06	1.40E-04	6.26E-06	1.66E-05	6.97E-07
822	436746.7	3725344	1.30E-04	5.24E-06	2.70E-05	1.31E-06	1.39E-04	6.20E-06	1.64E-05	6.90E-07
823	436743.6	3725335	1.29E-04	5.19E-06	2.68E-05	1.30E-06	1.38E-04	6.14E-06	1.63E-05	6.83E-07
824	436740.4	3725326	1.28E-04	5.14E-06	2.66E-05	1.28E-06	1.37E-04	6.08E-06	1.62E-05	6.77E-07
825	436737.3	3725318	1.27E-04	5.10E-06	2.64E-05	1.27E-06	1.36E-04	6.03E-06	1.61E-05	6.70E-07
826	436734.1	3725309	1.26E-04	5.05E-06	2.62E-05	1.26E-06	1.35E-04	5.97E-06	1.59E-05	6.63E-07
827	436731	3725300	1.25E-04	5.00E-06	2.60E-05	1.25E-06	1.34E-04	5.91E-06	1.58E-05	6.57E-07
828	436727.9	3725291	1.24E-04	4.96E-06	2.58E-05	1.24E-06	1.33E-04	5.86E-06	1.57E-05	6.51E-07
829	436724.7	3725282	1.23E-04	4.92E-06	2.56E-05	1.23E-06	1.32E-04	5.81E-06	1.55E-05	6.46E-07
830	436721.6	3725273	1.22E-04	4.88E-06	2.54E-05	1.22E-06	1.31E-04	5.76E-06	1.54E-05	6.40E-07
831	436718.4	3725264	1.21E-04	4.84E-06	2.52E-05	1.21E-06	1.30E-04	5.71E-06	1.53E-05	6.35E-07
832	436715.3	3725255	1.20E-04	4.81E-06	2.51E-05	1.20E-06	1.29E-04	5.68E-06	1.52E-05	6.31E-07
833	436712.1	3725246	1.20E-04	4.78E-06	2.49E-05	1.19E-06	1.29E-04	5.64E-06	1.51E-05	6.26E-07
834	436709	3725237	1.19E-04	4.74E-06	2.48E-05	1.18E-06	1.28E-04	5.60E-06	1.51E-05	6.22E-07
835	436705.8	3725228	1.18E-04	4.71E-06	2.46E-05	1.17E-06	1.27E-04	5.55E-06	1.50E-05	6.17E-07
836	436702.7	3725220	1.18E-04	4.67E-06	2.45E-05	1.16E-06	1.26E-04	5.51E-06	1.49E-05	6.12E-07

837	436699.6	3725211	1.17E-04	4.64E-06	2.43E-05	1.15E-06	1.25E-04	5.47E-06	1.48E-05	6.07E-07
838	436700.5	3725193	1.17E-04	4.63E-06	2.43E-05	1.15E-06	1.25E-04	5.46E-06	1.48E-05	6.06E-07
839	436728.9	3725134	1.22E-04	4.81E-06	2.54E-05	1.19E-06	1.31E-04	5.65E-06	1.54E-05	6.28E-07
840	436733	3725125	1.23E-04	4.82E-06	2.55E-05	1.20E-06	1.32E-04	5.67E-06	1.55E-05	6.29E-07
841	436737	3725117	1.23E-04	4.84E-06	2.57E-05	1.20E-06	1.32E-04	5.69E-06	1.56E-05	6.31E-07
842	436741.1	3725108	1.25E-04	4.87E-06	2.59E-05	1.21E-06	1.34E-04	5.72E-06	1.57E-05	6.35E-07
843	436745.2	3725100	1.26E-04	4.90E-06	2.62E-05	1.21E-06	1.35E-04	5.75E-06	1.59E-05	6.38E-07
844	436749.2	3725091	1.27E-04	4.93E-06	2.64E-05	1.22E-06	1.36E-04	5.79E-06	1.60E-05	6.42E-07
845	436753.3	3725082	1.28E-04	4.95E-06	2.66E-05	1.22E-06	1.37E-04	5.80E-06	1.61E-05	6.43E-07
846	436757.3	3725074	1.28E-04	4.95E-06	2.67E-05	1.22E-06	1.38E-04	5.80E-06	1.62E-05	6.42E-07
847	436759.1	3725490	1.32E-04	5.43E-06	2.76E-05	1.36E-06	1.42E-04	6.47E-06	1.68E-05	7.20E-07
848	436756	3725482	1.32E-04	5.40E-06	2.74E-05	1.36E-06	1.41E-04	6.42E-06	1.67E-05	7.16E-07
849	436752.9	3725473	1.31E-04	5.38E-06	2.74E-05	1.35E-06	1.41E-04	6.39E-06	1.67E-05	7.12E-07
850	436749.8	3725464	1.31E-04	5.36E-06	2.73E-05	1.34E-06	1.41E-04	6.37E-06	1.66E-05	7.09E-07
851	436746.7	3725455	1.31E-04	5.34E-06	2.73E-05	1.34E-06	1.40E-04	6.35E-06	1.66E-05	7.07E-07
852	436743.6	3725446	1.31E-04	5.33E-06	2.72E-05	1.34E-06	1.40E-04	6.33E-06	1.66E-05	7.04E-07
853	436740.5	3725437	1.30E-04	5.30E-06	2.71E-05	1.33E-06	1.40E-04	6.29E-06	1.65E-05	7.00E-07
854	436737.3	3725429	1.30E-04	5.27E-06	2.70E-05	1.32E-06	1.39E-04	6.25E-06	1.64E-05	6.96E-07
855	436712.5	3725358	1.22E-04	4.90E-06	2.54E-05	1.22E-06	1.31E-04	5.78E-06	1.54E-05	6.43E-07
856	436709.3	3725349	1.21E-04	4.85E-06	2.52E-05	1.21E-06	1.30E-04	5.73E-06	1.53E-05	6.37E-07
857	436706.2	3725341	1.20E-04	4.81E-06	2.50E-05	1.20E-06	1.29E-04	5.68E-06	1.52E-05	6.31E-07
858	436703.1	3725332	1.19E-04	4.77E-06	2.48E-05	1.19E-06	1.28E-04	5.63E-06	1.51E-05	6.25E-07
859	436700	3725323	1.18E-04	4.73E-06	2.47E-05	1.18E-06	1.27E-04	5.58E-06	1.50E-05	6.20E-07
860	436696.9	3725314	1.17E-04	4.68E-06	2.45E-05	1.17E-06	1.26E-04	5.52E-06	1.48E-05	6.14E-07
861	436693.8	3725305	1.17E-04	4.64E-06	2.43E-05	1.16E-06	1.25E-04	5.47E-06	1.47E-05	6.08E-07
862	436690.7	3725297	1.16E-04	4.60E-06	2.41E-05	1.14E-06	1.24E-04	5.42E-06	1.46E-05	6.02E-07
863	436687.6	3725288	1.15E-04	4.57E-06	2.39E-05	1.14E-06	1.23E-04	5.38E-06	1.45E-05	5.98E-07
864	436684.5	3725279	1.14E-04	4.53E-06	2.38E-05	1.13E-06	1.23E-04	5.34E-06	1.44E-05	5.93E-07
865	436681.4	3725270	1.13E-04	4.50E-06	2.36E-05	1.12E-06	1.22E-04	5.31E-06	1.43E-05	5.89E-07
866	436678.2	3725261	1.13E-04	4.47E-06	2.35E-05	1.11E-06	1.21E-04	5.27E-06	1.42E-05	5.85E-07
867	436675.1	3725253	1.12E-04	4.44E-06	2.33E-05	1.11E-06	1.20E-04	5.24E-06	1.42E-05	5.81E-07
868	436672	3725244	1.11E-04	4.42E-06	2.32E-05	1.10E-06	1.20E-04	5.20E-06	1.41E-05	5.77E-07
869	436688.6	3725132	1.14E-04	4.48E-06	2.37E-05	1.11E-06	1.22E-04	5.26E-06	1.44E-05	5.84E-07
870	436692.6	3725124	1.15E-04	4.50E-06	2.39E-05	1.12E-06	1.23E-04	5.28E-06	1.45E-05	5.86E-07
871	436696.7	3725115	1.15E-04	4.52E-06	2.40E-05	1.12E-06	1.24E-04	5.30E-06	1.46E-05	5.88E-07
872	436700.7	3725107	1.16E-04	4.54E-06	2.42E-05	1.12E-06	1.25E-04	5.32E-06	1.47E-05	5.90E-07
873	436704.7	3725098	1.17E-04	4.56E-06	2.43E-05	1.13E-06	1.26E-04	5.35E-06	1.48E-05	5.93E-07
874	436708.7	3725090	1.18E-04	4.59E-06	2.46E-05	1.14E-06	1.27E-04	5.38E-06	1.49E-05	5.97E-07
875	436712.7	3725082	1.19E-04	4.62E-06	2.48E-05	1.14E-06	1.28E-04	5.42E-06	1.50E-05	6.00E-07
876	436788.2	3725684	1.44E-04	6.04E-06	3.01E-05	1.52E-06	1.55E-04	7.22E-06	1.83E-05	8.06E-07
877	436785.1	3725675	1.43E-04	5.99E-06	2.98E-05	1.51E-06	1.54E-04	7.15E-06	1.82E-05	7.98E-07
878	436782	3725666	1.42E-04	5.94E-06	2.96E-05	1.50E-06	1.52E-04	7.09E-06	1.81E-05	7.90E-07
879	436778.9	3725657	1.41E-04	5.89E-06	2.94E-05	1.48E-06	1.51E-04	7.03E-06	1.79E-05	7.84E-07
880	436772.6	3725640	1.38E-04	5.72E-06	2.87E-05	1.44E-06	1.48E-04	6.83E-06	1.75E-05	7.61E-07
881	436769.5	3725631	1.36E-04	5.66E-06	2.84E-05	1.42E-06	1.46E-04	6.74E-06	1.73E-05	7.52E-07
882	436766.4	3725622	1.35E-04	5.61E-06	2.82E-05	1.41E-06	1.45E-04	6.68E-06	1.72E-05	7.45E-07
883	436763.2	3725613	1.34E-04	5.57E-06	2.80E-05	1.40E-06	1.44E-04	6.63E-06	1.71E-05	7.40E-07
884	436760.1	3725604	1.34E-04	5.53E-06	2.79E-05	1.39E-06	1.43E-04	6.59E-06	1.70E-05	7.34E-07
885	436757	3725595	1.33E-04	5.49E-06	2.77E-05	1.38E-06	1.43E-04	6.54E-06	1.69E-05	7.29E-07
886	436753.9	3725587	1.32E-04	5.45E-06	2.75E-05	1.37E-06	1.42E-04	6.49E-06	1.68E-05	7.23E-07
887	436750.8	3725578	1.31E-04	5.41E-06	2.73E-05	1.36E-06	1.41E-04	6.44E-06	1.67E-05	7.18E-07
888	436747.6	3725569	1.30E-04	5.37E-06	2.72E-05	1.35E-06	1.40E-04	6.39E-06	1.65E-05	7.12E-07
889	436744.5	3725560	1.29E-04	5.33E-06	2.70E-05	1.34E-06	1.39E-04	6.34E-06	1.64E-05	7.07E-07
890	436741.4	3725551	1.29E-04	5.30E-06	2.68E-05	1.33E-06	1.38E-04	6.30E-06	1.63E-05	7.02E-07
891	436716.4	3725480	1.24E-04	5.06E-06	2.59E-05	1.27E-06	1.33E-04	6.00E-06	1.58E-05	6.68E-07
892	436713.3	3725472	1.24E-04	5.04E-06	2.58E-05	1.26E-06	1.33E-04	5.98E-06	1.57E-05	6.65E-07

893	436710.2	3725463	1.24E-04	5.03E-06	2.58E-05	1.26E-06	1.33E-04	5.96E-06	1.57E-05	6.63E-07
894	436707.1	3725454	1.24E-04	5.02E-06	2.58E-05	1.25E-06	1.33E-04	5.94E-06	1.57E-05	6.61E-07
895	436703.9	3725445	1.24E-04	5.01E-06	2.57E-05	1.25E-06	1.33E-04	5.93E-06	1.57E-05	6.60E-07
896	436700.8	3725436	1.23E-04	4.99E-06	2.57E-05	1.25E-06	1.32E-04	5.91E-06	1.56E-05	6.57E-07
897	436697.7	3725427	1.23E-04	4.98E-06	2.56E-05	1.24E-06	1.32E-04	5.89E-06	1.56E-05	6.55E-07
898	436694.6	3725419	1.23E-04	4.96E-06	2.56E-05	1.24E-06	1.32E-04	5.87E-06	1.55E-05	6.53E-07
899	436691.4	3725410	1.22E-04	4.90E-06	2.53E-05	1.22E-06	1.30E-04	5.79E-06	1.54E-05	6.44E-07
900	436632.1	3725242	1.04E-04	4.10E-06	2.17E-05	1.02E-06	1.12E-04	4.82E-06	1.31E-05	5.35E-07
901	436664.9	3725096	1.08E-04	4.22E-06	2.25E-05	1.04E-06	1.16E-04	4.94E-06	1.37E-05	5.48E-07
902	436764.5	3725728	1.36E-04	5.63E-06	2.83E-05	1.42E-06	1.46E-04	6.71E-06	1.72E-05	7.48E-07
903	436761.4	3725719	1.35E-04	5.62E-06	2.83E-05	1.41E-06	1.45E-04	6.70E-06	1.72E-05	7.47E-07
904	436758.2	3725710	1.35E-04	5.62E-06	2.82E-05	1.41E-06	1.45E-04	6.69E-06	1.72E-05	7.46E-07
905	436755.1	3725701	1.35E-04	5.62E-06	2.82E-05	1.41E-06	1.45E-04	6.69E-06	1.72E-05	7.46E-07
906	436752	3725692	1.35E-04	5.62E-06	2.82E-05	1.41E-06	1.45E-04	6.70E-06	1.72E-05	7.46E-07
907	436748.8	3725683	1.35E-04	5.59E-06	2.81E-05	1.40E-06	1.45E-04	6.66E-06	1.71E-05	7.42E-07
908	436745.7	3725674	1.33E-04	5.52E-06	2.78E-05	1.39E-06	1.43E-04	6.58E-06	1.69E-05	7.33E-07
909	436742.6	3725666	1.32E-04	5.45E-06	2.75E-05	1.37E-06	1.42E-04	6.49E-06	1.68E-05	7.23E-07
910	436739.5	3725657	1.31E-04	5.39E-06	2.72E-05	1.35E-06	1.40E-04	6.42E-06	1.66E-05	7.15E-07
911	436736.3	3725648	1.30E-04	5.34E-06	2.70E-05	1.34E-06	1.39E-04	6.36E-06	1.65E-05	7.08E-07
912	436733.2	3725639	1.29E-04	5.30E-06	2.68E-05	1.33E-06	1.38E-04	6.30E-06	1.63E-05	7.02E-07
913	436730.1	3725630	1.28E-04	5.25E-06	2.66E-05	1.32E-06	1.37E-04	6.25E-06	1.62E-05	6.96E-07
914	436726.9	3725621	1.27E-04	5.22E-06	2.65E-05	1.31E-06	1.36E-04	6.20E-06	1.61E-05	6.90E-07
915	436723.8	3725612	1.26E-04	5.18E-06	2.63E-05	1.30E-06	1.35E-04	6.16E-06	1.60E-05	6.86E-07
916	436720.7	3725603	1.26E-04	5.15E-06	2.62E-05	1.29E-06	1.35E-04	6.12E-06	1.59E-05	6.81E-07
917	436717.5	3725595	1.25E-04	5.12E-06	2.60E-05	1.28E-06	1.34E-04	6.08E-06	1.58E-05	6.77E-07
918	436714.4	3725586	1.24E-04	5.08E-06	2.58E-05	1.27E-06	1.33E-04	6.03E-06	1.57E-05	6.71E-07
919	436711.3	3725577	1.23E-04	5.03E-06	2.56E-05	1.26E-06	1.32E-04	5.98E-06	1.56E-05	6.65E-07
920	436708.1	3725568	1.22E-04	4.99E-06	2.55E-05	1.25E-06	1.31E-04	5.92E-06	1.55E-05	6.59E-07
921	436705	3725559	1.21E-04	4.96E-06	2.53E-05	1.24E-06	1.30E-04	5.88E-06	1.54E-05	6.55E-07
922	436701.9	3725550	1.21E-04	4.92E-06	2.51E-05	1.23E-06	1.29E-04	5.83E-06	1.53E-05	6.49E-07
923	436698.7	3725541	1.20E-04	4.88E-06	2.50E-05	1.22E-06	1.29E-04	5.79E-06	1.52E-05	6.44E-07
924	436695.6	3725532	1.19E-04	4.84E-06	2.48E-05	1.21E-06	1.28E-04	5.74E-06	1.51E-05	6.39E-07
925	436670.5	3725462	1.17E-04	4.73E-06	2.44E-05	1.18E-06	1.26E-04	5.60E-06	1.48E-05	6.22E-07
926	436667.4	3725453	1.17E-04	4.70E-06	2.43E-05	1.17E-06	1.25E-04	5.56E-06	1.48E-05	6.18E-07
927	436664.3	3725444	1.16E-04	4.67E-06	2.42E-05	1.16E-06	1.25E-04	5.52E-06	1.47E-05	6.13E-07
928	436661.1	3725435	1.16E-04	4.64E-06	2.41E-05	1.16E-06	1.24E-04	5.48E-06	1.46E-05	6.09E-07
929	436658	3725426	1.15E-04	4.61E-06	2.39E-05	1.15E-06	1.23E-04	5.44E-06	1.45E-05	6.04E-07
930	436654.9	3725417	1.14E-04	4.57E-06	2.38E-05	1.14E-06	1.23E-04	5.40E-06	1.45E-05	6.00E-07
931	436595.4	3725249	9.87E-05	3.87E-06	2.05E-05	9.59E-07	1.06E-04	4.54E-06	1.24E-05	5.04E-07
932	436592.2	3725240	9.82E-05	3.85E-06	2.04E-05	9.53E-07	1.05E-04	4.51E-06	1.24E-05	5.01E-07
933	436589.1	3725231	9.80E-05	3.84E-06	2.04E-05	9.51E-07	1.05E-04	4.50E-06	1.24E-05	5.00E-07
934	436586	3725222	9.81E-05	3.84E-06	2.04E-05	9.52E-07	1.05E-04	4.51E-06	1.24E-05	5.00E-07
935	436582.8	3725213	9.85E-05	3.85E-06	2.05E-05	9.55E-07	1.06E-04	4.52E-06	1.24E-05	5.01E-07
936	436725.1	3725727	1.27E-04	5.21E-06	2.64E-05	1.31E-06	1.36E-04	6.18E-06	1.61E-05	6.89E-07
937	436722	3725718	1.27E-04	5.21E-06	2.64E-05	1.31E-06	1.36E-04	6.19E-06	1.61E-05	6.89E-07
938	436718.9	3725709	1.26E-04	5.20E-06	2.64E-05	1.30E-06	1.36E-04	6.17E-06	1.60E-05	6.87E-07
939	436715.7	3725700	1.26E-04	5.16E-06	2.62E-05	1.29E-06	1.35E-04	6.13E-06	1.60E-05	6.83E-07
940	436712.6	3725692	1.25E-04	5.13E-06	2.61E-05	1.29E-06	1.34E-04	6.10E-06	1.59E-05	6.79E-07
941	436709.4	3725683	1.24E-04	5.10E-06	2.59E-05	1.28E-06	1.34E-04	6.06E-06	1.58E-05	6.74E-07
942	436706.3	3725674	1.24E-04	5.07E-06	2.58E-05	1.27E-06	1.33E-04	6.02E-06	1.57E-05	6.70E-07
943	436703.2	3725665	1.23E-04	5.04E-06	2.57E-05	1.26E-06	1.32E-04	5.98E-06	1.56E-05	6.65E-07
944	436700	3725656	1.22E-04	4.99E-06	2.55E-05	1.25E-06	1.31E-04	5.92E-06	1.55E-05	6.59E-07
945	436696.9	3725647	1.21E-04	4.96E-06	2.53E-05	1.24E-06	1.30E-04	5.88E-06	1.54E-05	6.55E-07
946	436693.7	3725638	1.21E-04	4.93E-06	2.52E-05	1.23E-06	1.30E-04	5.85E-06	1.53E-05	6.51E-07
947	436690.6	3725629	1.20E-04	4.91E-06	2.51E-05	1.23E-06	1.29E-04	5.82E-06	1.52E-05	6.48E-07
948	436687.4	3725620	1.20E-04	4.89E-06	2.50E-05	1.22E-06	1.29E-04	5.80E-06	1.52E-05	6.45E-07

949	436684.3	3725612	1.19E-04	4.86E-06	2.48E-05	1.22E-06	1.28E-04	5.76E-06	1.51E-05	6.42E-07
950	436681.2	3725603	1.19E-04	4.83E-06	2.47E-05	1.21E-06	1.27E-04	5.73E-06	1.50E-05	6.37E-07
951	436678	3725594	1.18E-04	4.80E-06	2.46E-05	1.20E-06	1.27E-04	5.69E-06	1.50E-05	6.34E-07
952	436674.9	3725585	1.17E-04	4.76E-06	2.44E-05	1.19E-06	1.26E-04	5.64E-06	1.48E-05	6.27E-07
953	436671.7	3725576	1.16E-04	4.70E-06	2.41E-05	1.18E-06	1.24E-04	5.57E-06	1.47E-05	6.20E-07
954	436668.6	3725567	1.15E-04	4.65E-06	2.39E-05	1.16E-06	1.23E-04	5.51E-06	1.45E-05	6.13E-07
955	436665.5	3725558	1.14E-04	4.62E-06	2.38E-05	1.15E-06	1.23E-04	5.47E-06	1.44E-05	6.08E-07
956	436662.3	3725549	1.14E-04	4.60E-06	2.37E-05	1.15E-06	1.22E-04	5.44E-06	1.44E-05	6.05E-07
957	436659.2	3725540	1.13E-04	4.57E-06	2.36E-05	1.14E-06	1.21E-04	5.41E-06	1.43E-05	6.02E-07
958	436656	3725531	1.13E-04	4.56E-06	2.35E-05	1.14E-06	1.21E-04	5.39E-06	1.43E-05	6.00E-07
959	436652.9	3725523	1.13E-04	4.56E-06	2.35E-05	1.14E-06	1.21E-04	5.39E-06	1.43E-05	5.99E-07
960	436561.8	3725265	9.45E-05	3.69E-06	1.96E-05	9.13E-07	1.01E-04	4.32E-06	1.19E-05	4.79E-07
961	436558.6	3725256	9.40E-05	3.67E-06	1.95E-05	9.07E-07	1.01E-04	4.30E-06	1.18E-05	4.76E-07
962	436555.5	3725247	9.35E-05	3.65E-06	1.94E-05	9.03E-07	1.00E-04	4.27E-06	1.18E-05	4.74E-07
963	436552.3	3725238	9.31E-05	3.63E-06	1.93E-05	8.98E-07	9.99E-05	4.25E-06	1.17E-05	4.71E-07
964	436549.2	3725229	9.32E-05	3.63E-06	1.94E-05	8.99E-07	1.00E-04	4.26E-06	1.17E-05	4.72E-07
965	437547.8	3725319	1.91E-02	4.33E-04	3.92E-03	8.99E-05	2.04E-02	4.24E-04	2.33E-03	4.39E-05
966	437559.6	3725333	2.22E-02	5.36E-04	4.54E-03	1.12E-04	2.38E-02	5.27E-04	2.67E-03	5.46E-05
967	437528.6	3725313	1.37E-02	3.23E-04	2.86E-03	7.14E-05	1.48E-02	3.37E-04	1.74E-03	3.59E-05
968	437540.4	3725326	1.59E-02	4.10E-04	3.30E-03	9.09E-05	1.71E-02	4.30E-04	1.98E-03	4.57E-05
969	437552.2	3725339	1.84E-02	5.10E-04	3.79E-03	1.14E-04	1.98E-02	5.37E-04	2.26E-03	5.73E-05
970	437509.3	3725307	1.05E-02	2.47E-04	2.21E-03	5.70E-05	1.13E-02	2.69E-04	1.37E-03	2.91E-05
971	437521.2	3725320	1.20E-02	3.19E-04	2.51E-03	7.40E-05	1.29E-02	3.50E-04	1.53E-03	3.79E-05
972	437533	3725333	1.38E-02	4.05E-04	2.87E-03	9.48E-05	1.48E-02	4.48E-04	1.74E-03	4.87E-05
973	437544.8	3725346	1.59E-02	5.07E-04	3.29E-03	1.20E-04	1.70E-02	5.66E-04	1.98E-03	6.17E-05
974	437501.9	3725314	9.29E-03	2.49E-04	1.97E-03	5.96E-05	1.00E-02	2.82E-04	1.22E-03	3.09E-05
975	437513.7	3725327	1.06E-02	3.23E-04	2.23E-03	7.80E-05	1.14E-02	3.69E-04	1.37E-03	4.06E-05
976	437525.6	3725340	1.22E-02	4.13E-04	2.56E-03	1.01E-04	1.32E-02	4.78E-04	1.57E-03	5.28E-05
977	437537.4	3725353	1.41E-02	5.22E-04	2.94E-03	1.29E-04	1.51E-02	6.10E-04	1.79E-03	6.76E-05
978	437494.5	3725320	8.37E-03	2.56E-04	1.77E-03	6.31E-05	9.04E-03	2.99E-04	1.10E-03	3.31E-05
979	437506.3	3725333	9.61E-03	3.34E-04	2.03E-03	8.36E-05	1.04E-02	3.96E-04	1.26E-03	4.41E-05
980	437518.2	3725346	1.11E-02	4.33E-04	2.34E-03	1.10E-04	1.20E-02	5.20E-04	1.45E-03	5.81E-05
981	437530	3725359	1.29E-02	5.53E-04	2.70E-03	1.42E-04	1.38E-02	6.71E-04	1.67E-03	7.53E-05
982	437498.9	3725340	8.87E-03	3.54E-04	1.88E-03	9.09E-05	9.56E-03	4.31E-04	1.17E-03	4.84E-05
983	437510.7	3725353	1.03E-02	4.65E-04	2.19E-03	1.21E-04	1.12E-02	5.74E-04	1.37E-03	6.47E-05
984	437522.6	3725366	1.21E-02	6.04E-04	2.57E-03	1.59E-04	1.31E-02	7.55E-04	1.60E-03	8.55E-05
985	437491.5	3725347	8.38E-03	3.84E-04	1.79E-03	1.01E-04	9.04E-03	4.80E-04	1.12E-03	5.43E-05
986	437503.3	3725360	9.89E-03	5.11E-04	2.11E-03	1.36E-04	1.07E-02	6.46E-04	1.33E-03	7.34E-05
987	437515.1	3725373	1.18E-02	6.79E-04	2.52E-03	1.83E-04	1.27E-02	8.69E-04	1.59E-03	9.90E-05
988	437464.9	3725347	6.47E-03	3.40E-04	1.39E-03	9.16E-05	6.99E-03	4.35E-04	8.83E-04	4.95E-05
989	437476.7	3725360	8.00E-03	4.83E-04	1.72E-03	1.32E-04	8.64E-03	6.27E-04	1.10E-03	7.18E-05
990	437488.5	3725373	9.97E-03	6.78E-04	2.15E-03	1.87E-04	1.08E-02	8.90E-04	1.39E-03	1.02E-04
991	437500.3	3725386	1.25E-02	9.41E-04	2.71E-03	2.62E-04	1.35E-02	1.25E-03	1.76E-03	1.43E-04
992	437450.1	3725361	6.42E-03	4.29E-04	1.39E-03	1.19E-04	6.94E-03	5.63E-04	8.99E-04	6.47E-05
993	437486.3	3725363	8.83E-03	5.28E-04	1.90E-03	1.44E-04	9.54E-03	6.82E-04	1.21E-03	7.80E-05
994	437290.7	3725439	1.49E-03	1.05E-04	3.22E-04	2.91E-05	1.61E-03	1.38E-04	2.08E-04	1.59E-05
995	436672.5	3725698	1.16E-04	4.71E-06	2.42E-05	1.18E-06	1.25E-04	5.57E-06	1.47E-05	6.20E-07
996	437557.6	3725323	2.29E-02	5.09E-04	4.68E-03	1.02E-04	2.45E-02	4.81E-04	2.75E-03	4.90E-05
997	436768.5	3725455	1.35E-04	5.54E-06	2.81E-05	1.39E-06	1.45E-04	6.58E-06	1.71E-05	7.33E-07
998	436729.1	3725462	1.27E-04	5.19E-06	2.65E-05	1.30E-06	1.37E-04	6.16E-06	1.61E-05	6.85E-07
999	436689.6	3725469	1.20E-04	4.84E-06	2.49E-05	1.21E-06	1.28E-04	5.73E-06	1.51E-05	6.37E-07
1000	437438.2	3725332	4.36E-03	1.95E-04	9.33E-04	5.15E-05	4.72E-03	2.44E-04	5.90E-04	2.77E-05
1001	437418.1	3725328	3.30E-03	1.38E-04	7.04E-04	3.62E-05	3.56E-03	1.71E-04	4.44E-04	1.94E-05
1002	437118.4	3725342	4.38E-04	2.06E-05	9.24E-05	5.37E-06	4.71E-04	2.54E-05	5.74E-05	2.87E-06
1003	437058.3	3725339	3.34E-04	1.52E-05	7.03E-05	3.92E-06	3.60E-04	1.86E-05	4.34E-05	2.09E-06
1004	436998.3	3725340	2.62E-04	1.15E-05	5.49E-05	2.96E-06	2.81E-04	1.40E-05	3.38E-05	1.57E-06

1005	436958.3	3725342	2.27E-04	9.82E-06	4.75E-05	2.50E-06	2.44E-04	1.19E-05	2.92E-05	1.33E-06
1006	436918.3	3725343	1.99E-04	8.47E-06	4.16E-05	2.15E-06	2.14E-04	1.02E-05	2.55E-05	1.14E-06
1007	436878.3	3725344	1.76E-04	7.40E-06	3.69E-05	1.87E-06	1.90E-04	8.86E-06	2.25E-05	9.89E-07
1008	436838.3	3725345	1.59E-04	6.55E-06	3.31E-05	1.65E-06	1.70E-04	7.82E-06	2.02E-05	8.72E-07
1009	436798.4	3725346	1.44E-04	5.88E-06	3.00E-05	1.48E-06	1.55E-04	6.99E-06	1.83E-05	7.79E-07
1010	436758.4	3725347	1.33E-04	5.38E-06	2.77E-05	1.34E-06	1.43E-04	6.37E-06	1.68E-05	7.09E-07
1011	436718.4	3725349	1.23E-04	4.93E-06	2.56E-05	1.23E-06	1.32E-04	5.83E-06	1.56E-05	6.48E-07
1012	436678.4	3725350	1.15E-04	4.60E-06	2.40E-05	1.15E-06	1.24E-04	5.42E-06	1.46E-05	6.03E-07
1013	437334	3725234	1.27E-03	3.39E-05	2.68E-04	8.06E-06	1.37E-03	3.82E-05	1.66E-04	4.17E-06
1014	437312.6	3725235	1.06E-03	3.15E-05	2.24E-04	7.62E-06	1.14E-03	3.61E-05	1.38E-04	3.97E-06
1015	437286.9	3725218	8.57E-04	2.63E-05	1.80E-04	6.37E-06	9.23E-04	3.01E-05	1.11E-04	3.32E-06
1016	437230.3	3725198	5.96E-04	2.03E-05	1.25E-04	5.00E-06	6.42E-04	2.37E-05	7.69E-05	2.62E-06
1017	436994.5	3725115	2.30E-04	8.75E-06	4.80E-05	2.17E-06	2.47E-04	1.03E-05	2.92E-05	1.14E-06
1018	437626	3725374	5.31E-02	1.19E-03	1.07E-02	2.22E-04	5.66E-02	1.05E-03	6.07E-03	1.03E-04
1019	437633.4	3725380	5.53E-02	1.25E-03	1.11E-02	2.34E-04	5.89E-02	1.10E-03	6.31E-03	1.09E-04
1020	437640.8	3725386	5.69E-02	1.30E-03	1.14E-02	2.45E-04	6.06E-02	1.15E-03	6.49E-03	1.14E-04
1021	437648.2	3725393	5.82E-02	1.34E-03	1.17E-02	2.53E-04	6.20E-02	1.19E-03	6.63E-03	1.18E-04
1022	437655.6	3725399	5.90E-02	1.37E-03	1.18E-02	2.61E-04	6.29E-02	1.23E-03	6.73E-03	1.22E-04
1023	437663	3725405	5.91E-02	1.39E-03	1.18E-02	2.65E-04	6.30E-02	1.25E-03	6.74E-03	1.24E-04
1024	437670.4	3725411	5.84E-02	1.39E-03	1.17E-02	2.67E-04	6.22E-02	1.26E-03	6.66E-03	1.26E-04
1025	437619.6	3725381	4.16E-02	1.07E-03	8.39E-03	2.19E-04	4.44E-02	1.03E-03	4.83E-03	1.06E-04
1026	437627	3725388	4.34E-02	1.13E-03	8.74E-03	2.31E-04	4.62E-02	1.09E-03	5.03E-03	1.12E-04
1027	437634.3	3725394	4.49E-02	1.18E-03	9.04E-03	2.43E-04	4.78E-02	1.14E-03	5.20E-03	1.18E-04
1028	437641.7	3725400	4.60E-02	1.22E-03	9.26E-03	2.53E-04	4.90E-02	1.19E-03	5.33E-03	1.23E-04
1029	437649.1	3725406	4.66E-02	1.25E-03	9.40E-03	2.61E-04	4.97E-02	1.23E-03	5.40E-03	1.27E-04
1030	437656.5	3725413	4.69E-02	1.28E-03	9.46E-03	2.67E-04	5.00E-02	1.26E-03	5.44E-03	1.31E-04
1031	437663.9	3725419	4.67E-02	1.29E-03	9.41E-03	2.70E-04	4.98E-02	1.28E-03	5.42E-03	1.33E-04
1032	437613.1	3725389	3.41E-02	1.03E-03	6.93E-03	2.27E-04	3.64E-02	1.07E-03	4.04E-03	1.14E-04
1033	437620.5	3725395	3.56E-02	1.09E-03	7.24E-03	2.41E-04	3.81E-02	1.14E-03	4.21E-03	1.21E-04
1034	437627.9	3725402	3.70E-02	1.14E-03	7.50E-03	2.54E-04	3.94E-02	1.20E-03	4.37E-03	1.28E-04
1035	437635.3	3725408	3.80E-02	1.19E-03	7.71E-03	2.66E-04	4.05E-02	1.26E-03	4.49E-03	1.34E-04
1036	437642.6	3725414	3.87E-02	1.23E-03	7.86E-03	2.76E-04	4.13E-02	1.30E-03	4.58E-03	1.39E-04
1037	437650	3725420	3.91E-02	1.26E-03	7.94E-03	2.83E-04	4.17E-02	1.34E-03	4.63E-03	1.43E-04
1038	437657.4	3725427	3.92E-02	1.27E-03	7.95E-03	2.89E-04	4.18E-02	1.36E-03	4.64E-03	1.46E-04
1039	437599.2	3725390	2.77E-02	9.78E-04	5.68E-03	2.30E-04	2.97E-02	1.09E-03	3.36E-03	1.19E-04
1040	437606.6	3725397	2.92E-02	1.05E-03	5.99E-03	2.47E-04	3.13E-02	1.17E-03	3.54E-03	1.27E-04
1041	437614	3725403	3.06E-02	1.11E-03	6.26E-03	2.63E-04	3.27E-02	1.24E-03	3.70E-03	1.36E-04
1042	437621.4	3725409	3.18E-02	1.17E-03	6.51E-03	2.78E-04	3.40E-02	1.32E-03	3.85E-03	1.44E-04
1043	437628.8	3725415	3.28E-02	1.23E-03	6.72E-03	2.93E-04	3.51E-02	1.38E-03	3.97E-03	1.51E-04
1044	437636.2	3725422	3.36E-02	1.27E-03	6.88E-03	3.05E-04	3.59E-02	1.44E-03	4.07E-03	1.58E-04
1045	437643.6	3725428	3.41E-02	1.31E-03	6.99E-03	3.15E-04	3.65E-02	1.49E-03	4.14E-03	1.63E-04
1046	437651	3725434	3.43E-02	1.34E-03	7.03E-03	3.22E-04	3.67E-02	1.52E-03	4.16E-03	1.67E-04
1047	437551.3	3725354	1.70E-02	5.73E-04	3.52E-03	1.37E-04	1.82E-02	6.46E-04	2.12E-03	7.07E-05
1048	437592.8	3725398	2.47E-02	1.04E-03	5.11E-03	2.58E-04	2.65E-02	1.22E-03	3.07E-03	1.35E-04
1049	437600.1	3725404	2.61E-02	1.12E-03	5.40E-03	2.78E-04	2.80E-02	1.31E-03	3.24E-03	1.46E-04
1050	437607.5	3725410	2.74E-02	1.19E-03	5.67E-03	2.97E-04	2.94E-02	1.41E-03	3.41E-03	1.57E-04
1051	437614.9	3725417	2.86E-02	1.26E-03	5.91E-03	3.17E-04	3.06E-02	1.50E-03	3.56E-03	1.67E-04
1052	437622.3	3725423	2.96E-02	1.33E-03	6.13E-03	3.35E-04	3.17E-02	1.58E-03	3.69E-03	1.77E-04
1053	437629.7	3725429	3.05E-02	1.39E-03	6.30E-03	3.50E-04	3.26E-02	1.66E-03	3.80E-03	1.85E-04
1054	437637.1	3725436	3.11E-02	1.44E-03	6.43E-03	3.64E-04	3.33E-02	1.72E-03	3.88E-03	1.92E-04
1055	437644.5	3725442	3.14E-02	1.47E-03	6.51E-03	3.73E-04	3.37E-02	1.77E-03	3.93E-03	1.97E-04
1056	437593.7	3725412	2.43E-02	1.24E-03	5.09E-03	3.23E-04	2.61E-02	1.53E-03	3.11E-03	1.72E-04
1057	437601.1	3725418	2.57E-02	1.34E-03	5.36E-03	3.48E-04	2.75E-02	1.65E-03	3.29E-03	1.86E-04
1058	437608.4	3725424	2.69E-02	1.43E-03	5.63E-03	3.73E-04	2.89E-02	1.77E-03	3.45E-03	1.99E-04
1059	437615.8	3725431	2.80E-02	1.51E-03	5.86E-03	3.96E-04	3.01E-02	1.88E-03	3.60E-03	2.12E-04
1060	437623.2	3725437	2.90E-02	1.59E-03	6.07E-03	4.17E-04	3.11E-02	1.98E-03	3.73E-03	2.24E-04

1061	437630.6	3725443	2.97E-02	1.66E-03	6.23E-03	4.35E-04	3.19E-02	2.06E-03	3.83E-03	2.34E-04
1062	437638	3725450	3.03E-02	1.70E-03	6.34E-03	4.49E-04	3.25E-02	2.13E-03	3.91E-03	2.41E-04
1063	437545.8	3725381	1.57E-02	8.06E-04	3.32E-03	2.12E-04	1.69E-02	1.00E-03	2.06E-03	1.13E-04
1064	437536.9	3725367	1.40E-02	6.35E-04	2.95E-03	1.64E-04	1.51E-02	7.76E-04	1.82E-03	8.72E-05
1065	437587.2	3725419	2.38E-02	1.44E-03	5.03E-03	3.87E-04	2.56E-02	1.84E-03	3.14E-03	2.09E-04
1066	437594.6	3725426	2.52E-02	1.56E-03	5.34E-03	4.20E-04	2.71E-02	1.99E-03	3.34E-03	2.27E-04
1067	437602	3725432	2.66E-02	1.68E-03	5.64E-03	4.54E-04	2.86E-02	2.15E-03	3.53E-03	2.45E-04
1068	437609.4	3725438	2.80E-02	1.80E-03	5.93E-03	4.86E-04	3.01E-02	2.31E-03	3.72E-03	2.63E-04
1069	437616.7	3725445	2.91E-02	1.90E-03	6.18E-03	5.15E-04	3.13E-02	2.45E-03	3.88E-03	2.79E-04
1070	437624.1	3725451	3.01E-02	2.00E-03	6.39E-03	5.42E-04	3.24E-02	2.57E-03	4.02E-03	2.94E-04
1071	437631.5	3725457	3.09E-02	2.07E-03	6.56E-03	5.63E-04	3.32E-02	2.67E-03	4.13E-03	3.05E-04
1072	437538.7	3725388	1.53E-02	9.06E-04	3.25E-03	2.44E-04	1.65E-02	1.16E-03	2.05E-03	1.32E-04
1073	437533.6	3725380	1.41E-02	7.79E-04	2.99E-03	2.08E-04	1.52E-02	9.86E-04	1.87E-03	1.12E-04
1074	437532.5	3725396	1.57E-02	1.08E-03	3.38E-03	2.98E-04	1.70E-02	1.41E-03	2.16E-03	1.62E-04
1075	437523	3725381	1.31E-02	7.97E-04	2.81E-03	2.16E-04	1.42E-02	1.03E-03	1.78E-03	1.17E-04
1076	437517.2	3725389	1.38E-02	9.77E-04	2.99E-03	2.70E-04	1.49E-02	1.28E-03	1.92E-03	1.47E-04
1077	437480.4	3725348	7.58E-03	3.77E-04	1.62E-03	1.01E-04	8.19E-03	4.78E-04	1.03E-03	5.43E-05
1078	437460.8	3725362	7.17E-03	4.75E-04	1.55E-03	1.31E-04	7.75E-03	6.23E-04	1.00E-03	7.15E-05
1079	437441.5	3725367	6.43E-03	4.72E-04	1.40E-03	1.32E-04	6.96E-03	6.25E-04	9.12E-04	7.20E-05
1080	437423.1	3725346	3.87E-03	2.07E-04	8.30E-04	5.58E-05	4.18E-03	2.65E-04	5.29E-04	3.02E-05
1081	437327.3	3725352	1.45E-03	7.84E-05	3.09E-04	2.11E-05	1.56E-03	1.00E-04	1.96E-04	1.14E-05
1082	437306.3	3725404	1.57E-03	1.06E-04	3.40E-04	2.94E-05	1.70E-03	1.39E-04	2.19E-04	1.60E-05
1083	437310.2	3725301	1.14E-03	4.74E-05	2.42E-04	1.23E-05	1.23E-03	5.81E-05	1.51E-04	6.54E-06
1084	437312	3725476	2.01E-03	1.62E-04	4.37E-04	4.54E-05	2.17E-03	2.16E-04	2.86E-04	2.49E-05
1085	437307	3725468	1.88E-03	1.47E-04	4.08E-04	4.12E-05	2.03E-03	1.96E-04	2.66E-04	2.25E-05
1086	437302	3725460	1.75E-03	1.33E-04	3.80E-04	3.72E-05	1.89E-03	1.77E-04	2.47E-04	2.04E-05
1087	437297	3725452	1.63E-03	1.21E-04	3.54E-04	3.36E-05	1.76E-03	1.59E-04	2.29E-04	1.84E-05
1088	437277.7	3725402	1.22E-03	7.67E-05	2.63E-04	2.10E-05	1.32E-03	9.95E-05	1.68E-04	1.14E-05
1089	437280.5	3725328	9.97E-04	4.89E-05	2.12E-04	1.29E-05	1.08E-03	6.14E-05	1.33E-04	6.96E-06
1090	437282.9	3725484	1.44E-03	1.05E-04	3.12E-04	2.92E-05	1.56E-03	1.39E-04	2.01E-04	1.59E-05
1091	437277.9	3725476	1.38E-03	9.84E-05	2.97E-04	2.73E-05	1.49E-03	1.29E-04	1.92E-04	1.49E-05
1092	437272.9	3725468	1.31E-03	9.11E-05	2.82E-04	2.52E-05	1.41E-03	1.20E-04	1.81E-04	1.37E-05
1093	437267.9	3725460	1.24E-03	8.44E-05	2.67E-04	2.33E-05	1.34E-03	1.10E-04	1.71E-04	1.27E-05
1094	437249.1	3725401	9.95E-04	5.87E-05	2.13E-04	1.59E-05	1.07E-03	7.55E-05	1.35E-04	8.62E-06
1095	437244.9	3725477	1.01E-03	6.60E-05	2.18E-04	1.81E-05	1.10E-03	8.58E-05	1.39E-04	9.82E-06
1096	437220.2	3725408	8.13E-04	4.60E-05	1.73E-04	1.24E-05	8.77E-04	5.88E-05	1.10E-04	6.69E-06
1097	437223	3725330	7.58E-04	3.70E-05	1.61E-04	9.77E-06	8.17E-04	4.63E-05	1.01E-04	5.24E-06
1098	437223.4	3725321	7.48E-04	3.57E-05	1.59E-04	9.39E-06	8.06E-04	4.45E-05	9.92E-05	5.03E-06
1099	437223.7	3725311	7.38E-04	3.44E-05	1.56E-04	9.01E-06	7.95E-04	4.27E-05	9.75E-05	4.82E-06
1100	437227	3725225	6.16E-04	2.28E-05	1.30E-04	5.71E-06	6.63E-04	2.70E-05	7.99E-05	3.01E-06
1101	437227.3	3725215	6.07E-04	2.18E-05	1.28E-04	5.43E-06	6.53E-04	2.57E-05	7.85E-05	2.86E-06
1102	437191.5	3725406	6.72E-04	3.63E-05	1.43E-04	9.70E-06	7.24E-04	4.60E-05	8.99E-05	5.23E-06
1103	437191.9	3725396	6.70E-04	3.58E-05	1.43E-04	9.55E-06	7.22E-04	4.53E-05	8.95E-05	5.14E-06
1104	437194.4	3725329	6.43E-04	3.10E-05	1.36E-04	8.14E-06	6.93E-04	3.86E-05	8.51E-05	4.36E-06
1105	437194.8	3725320	6.38E-04	3.01E-05	1.35E-04	7.89E-06	6.87E-04	3.74E-05	8.42E-05	4.23E-06
1106	437195.1	3725310	6.32E-04	2.93E-05	1.34E-04	7.65E-06	6.80E-04	3.63E-05	8.33E-05	4.09E-06
1107	437198.3	3725224	5.53E-04	2.13E-05	1.16E-04	5.36E-06	5.96E-04	2.54E-05	7.17E-05	2.83E-06
1108	437198.7	3725214	5.42E-04	2.04E-05	1.14E-04	5.11E-06	5.83E-04	2.42E-05	7.01E-05	2.69E-06
1109	437199	3725205	5.32E-04	1.95E-05	1.12E-04	4.87E-06	5.72E-04	2.31E-05	6.86E-05	2.57E-06
1110	437162.9	3725404	5.66E-04	2.94E-05	1.20E-04	7.81E-06	6.10E-04	3.70E-05	7.52E-05	4.20E-06
1111	437163.3	3725395	5.66E-04	2.91E-05	1.20E-04	7.72E-06	6.09E-04	3.66E-05	7.51E-05	4.15E-06
1112	437168.3	3725262	5.21E-04	2.20E-05	1.10E-04	5.65E-06	5.61E-04	2.68E-05	6.80E-05	3.00E-06
1113	437169.7	3725223	4.96E-04	1.95E-05	1.04E-04	4.93E-06	5.34E-04	2.33E-05	6.43E-05	2.61E-06
1114	437170	3725214	4.90E-04	1.89E-05	1.03E-04	4.75E-06	5.27E-04	2.25E-05	6.33E-05	2.51E-06
1115	437170.4	3725204	4.83E-04	1.83E-05	1.02E-04	4.58E-06	5.20E-04	2.17E-05	6.24E-05	2.42E-06
1116	437170.7	3725195	4.78E-04	1.77E-05	1.00E-04	4.42E-06	5.14E-04	2.09E-05	6.15E-05	2.33E-06

1117	437134	3725413	4.85E-04	2.45E-05	1.03E-04	6.48E-06	5.22E-04	3.07E-05	6.40E-05	3.48E-06
1118	437134.3	3725403	4.85E-04	2.44E-05	1.03E-04	6.43E-06	5.22E-04	3.05E-05	6.40E-05	3.45E-06
1119	437136.8	3725337	4.78E-04	2.26E-05	1.01E-04	5.90E-06	5.14E-04	2.80E-05	6.27E-05	3.15E-06
1120	437137.1	3725327	4.75E-04	2.22E-05	1.00E-04	5.80E-06	5.12E-04	2.75E-05	6.24E-05	3.10E-06
1121	437137.5	3725318	4.73E-04	2.19E-05	1.00E-04	5.70E-06	5.10E-04	2.70E-05	6.21E-05	3.04E-06
1122	437139.6	3725261	4.56E-04	1.94E-05	9.61E-05	4.99E-06	4.91E-04	2.36E-05	5.94E-05	2.65E-06
1123	437141	3725223	4.40E-04	1.76E-05	9.25E-05	4.46E-06	4.74E-04	2.11E-05	5.70E-05	2.36E-06
1124	437141.4	3725213	4.36E-04	1.71E-05	9.15E-05	4.32E-06	4.69E-04	2.05E-05	5.63E-05	2.29E-06
1125	437141.7	3725204	4.31E-04	1.67E-05	9.06E-05	4.19E-06	4.64E-04	1.99E-05	5.57E-05	2.21E-06
1126	437142.1	3725194	4.27E-04	1.62E-05	8.96E-05	4.06E-06	4.59E-04	1.92E-05	5.50E-05	2.14E-06
1127	437105.4	3725411	4.20E-04	2.06E-05	8.86E-05	5.40E-06	4.52E-04	2.56E-05	5.51E-05	2.90E-06
1128	437108.2	3725335	4.16E-04	1.94E-05	8.77E-05	5.03E-06	4.48E-04	2.39E-05	5.44E-05	2.69E-06
1129	437108.5	3725326	4.14E-04	1.91E-05	8.74E-05	4.97E-06	4.46E-04	2.35E-05	5.42E-05	2.65E-06
1130	437108.9	3725317	4.13E-04	1.89E-05	8.71E-05	4.90E-06	4.45E-04	2.32E-05	5.40E-05	2.61E-06
1131	437111	3725260	4.02E-04	1.72E-05	8.46E-05	4.40E-06	4.33E-04	2.09E-05	5.22E-05	2.34E-06
1132	437112.4	3725222	3.90E-04	1.58E-05	8.20E-05	4.02E-06	4.20E-04	1.90E-05	5.05E-05	2.13E-06
1133	437113.1	3725203	3.84E-04	1.51E-05	8.05E-05	3.81E-06	4.13E-04	1.81E-05	4.95E-05	2.02E-06
1134	437113.4	3725194	3.80E-04	1.48E-05	7.98E-05	3.71E-06	4.09E-04	1.76E-05	4.90E-05	1.96E-06
1135	437076.7	3725410	3.65E-04	1.74E-05	7.69E-05	4.54E-06	3.92E-04	2.15E-05	4.77E-05	2.43E-06
1136	437079.2	3725344	3.66E-04	1.69E-05	7.72E-05	4.38E-06	3.94E-04	2.08E-05	4.77E-05	2.34E-06
1137	437079.5	3725334	3.66E-04	1.68E-05	7.70E-05	4.34E-06	3.93E-04	2.06E-05	4.76E-05	2.32E-06
1138	437079.9	3725325	3.65E-04	1.66E-05	7.68E-05	4.30E-06	3.93E-04	2.04E-05	4.75E-05	2.29E-06
1139	437080.2	3725316	3.64E-04	1.65E-05	7.66E-05	4.25E-06	3.92E-04	2.01E-05	4.73E-05	2.27E-06
1140	437082	3725268	3.57E-04	1.55E-05	7.51E-05	3.97E-06	3.84E-04	1.88E-05	4.63E-05	2.11E-06
1141	437083.8	3725221	3.48E-04	1.42E-05	7.31E-05	3.62E-06	3.74E-04	1.71E-05	4.49E-05	1.92E-06
1142	437084.5	3725203	3.43E-04	1.37E-05	7.20E-05	3.46E-06	3.69E-04	1.64E-05	4.42E-05	1.83E-06
1143	437084.8	3725193	3.41E-04	1.34E-05	7.14E-05	3.39E-06	3.66E-04	1.60E-05	4.38E-05	1.79E-06
1144	437085.2	3725184	3.38E-04	1.32E-05	7.08E-05	3.31E-06	3.63E-04	1.57E-05	4.34E-05	1.75E-06
1145	437051.1	3725329	3.24E-04	1.46E-05	6.81E-05	3.76E-06	3.49E-04	1.78E-05	4.20E-05	2.00E-06
1146	437051.4	3725319	3.24E-04	1.45E-05	6.80E-05	3.73E-06	3.48E-04	1.77E-05	4.20E-05	1.99E-06
1147	437053.6	3725261	3.18E-04	1.36E-05	6.68E-05	3.49E-06	3.42E-04	1.65E-05	4.11E-05	1.85E-06
1148	437056.1	3725194	3.07E-04	1.23E-05	6.42E-05	3.09E-06	3.30E-04	1.47E-05	3.94E-05	1.64E-06
1149	437056.5	3725184	3.04E-04	1.21E-05	6.38E-05	3.03E-06	3.27E-04	1.44E-05	3.91E-05	1.60E-06
1150	437016.7	3725482	2.79E-04	1.30E-05	5.86E-05	3.36E-06	3.00E-04	1.59E-05	3.62E-05	1.79E-06
1151	437017.1	3725472	2.79E-04	1.30E-05	5.87E-05	3.36E-06	3.00E-04	1.59E-05	3.62E-05	1.79E-06
1152	437024.6	3725270	2.87E-04	1.23E-05	6.02E-05	3.15E-06	3.08E-04	1.49E-05	3.70E-05	1.67E-06
1153	437027.5	3725193	2.77E-04	1.12E-05	5.80E-05	2.82E-06	2.98E-04	1.34E-05	3.55E-05	1.49E-06
1154	437027.8	3725184	2.76E-04	1.10E-05	5.77E-05	2.77E-06	2.96E-04	1.31E-05	3.53E-05	1.46E-06
1155	436978.1	3725492	2.38E-04	1.08E-05	5.00E-05	2.78E-06	2.56E-04	1.32E-05	3.08E-05	1.48E-06
1156	436978.4	3725483	2.38E-04	1.08E-05	5.01E-05	2.78E-06	2.56E-04	1.32E-05	3.08E-05	1.48E-06
1157	436981.6	3725397	2.45E-04	1.09E-05	5.14E-05	2.79E-06	2.63E-04	1.32E-05	3.16E-05	1.48E-06
1158	436982	3725388	2.45E-04	1.09E-05	5.15E-05	2.79E-06	2.64E-04	1.32E-05	3.17E-05	1.48E-06
1159	436982.3	3725378	2.46E-04	1.09E-05	5.16E-05	2.79E-06	2.64E-04	1.32E-05	3.17E-05	1.48E-06
1160	436984.5	3725321	2.49E-04	1.08E-05	5.21E-05	2.77E-06	2.67E-04	1.31E-05	3.20E-05	1.47E-06
1161	436984.8	3725312	2.49E-04	1.08E-05	5.22E-05	2.76E-06	2.67E-04	1.31E-05	3.20E-05	1.46E-06
1162	436985.2	3725302	2.49E-04	1.08E-05	5.22E-05	2.75E-06	2.67E-04	1.30E-05	3.20E-05	1.46E-06
1163	436987.6	3725236	2.47E-04	1.03E-05	5.17E-05	2.62E-06	2.65E-04	1.24E-05	3.17E-05	1.39E-06
1164	436988	3725227	2.47E-04	1.03E-05	5.17E-05	2.60E-06	2.65E-04	1.23E-05	3.17E-05	1.38E-06
1165	436988.3	3725217	2.47E-04	1.02E-05	5.17E-05	2.58E-06	2.66E-04	1.22E-05	3.17E-05	1.37E-06
1166	436988.7	3725208	2.46E-04	1.01E-05	5.15E-05	2.55E-06	2.65E-04	1.21E-05	3.16E-05	1.35E-06
1167	436989.1	3725198	2.45E-04	1.00E-05	5.13E-05	2.52E-06	2.64E-04	1.20E-05	3.14E-05	1.33E-06
1168	436989.4	3725189	2.44E-04	9.89E-06	5.11E-05	2.49E-06	2.63E-04	1.18E-05	3.13E-05	1.32E-06
1169	436939.5	3725503	2.08E-04	9.21E-06	4.36E-05	2.36E-06	2.23E-04	1.12E-05	2.68E-05	1.25E-06
1170	436939.8	3725493	2.08E-04	9.21E-06	4.36E-05	2.36E-06	2.24E-04	1.12E-05	2.68E-05	1.25E-06
1171	436940.2	3725483	2.08E-04	9.21E-06	4.37E-05	2.36E-06	2.24E-04	1.12E-05	2.68E-05	1.25E-06
1172	436943.1	3725407	2.13E-04	9.30E-06	4.47E-05	2.37E-06	2.29E-04	1.12E-05	2.74E-05	1.26E-06

1173	436943.4	3725397	2.14E-04	9.31E-06	4.48E-05	2.37E-06	2.30E-04	1.13E-05	2.75E-05	1.26E-06
1174	436943.8	3725387	2.15E-04	9.32E-06	4.50E-05	2.38E-06	2.31E-04	1.13E-05	2.76E-05	1.26E-06
1175	436944.1	3725378	2.15E-04	9.33E-06	4.51E-05	2.38E-06	2.31E-04	1.13E-05	2.77E-05	1.26E-06
1176	436946.3	3725320	2.18E-04	9.34E-06	4.57E-05	2.38E-06	2.34E-04	1.13E-05	2.80E-05	1.26E-06
1177	436946.6	3725311	2.18E-04	9.31E-06	4.56E-05	2.37E-06	2.34E-04	1.12E-05	2.80E-05	1.26E-06
1178	436947	3725301	2.18E-04	9.28E-06	4.56E-05	2.36E-06	2.34E-04	1.12E-05	2.79E-05	1.25E-06
1179	436947.4	3725291	2.17E-04	9.24E-06	4.55E-05	2.35E-06	2.34E-04	1.11E-05	2.79E-05	1.24E-06
1180	436947.7	3725282	2.17E-04	9.18E-06	4.54E-05	2.33E-06	2.33E-04	1.10E-05	2.78E-05	1.24E-06
1181	436949.9	3725224	2.17E-04	8.97E-06	4.53E-05	2.27E-06	2.33E-04	1.07E-05	2.77E-05	1.20E-06
1182	436950.2	3725215	2.17E-04	8.95E-06	4.54E-05	2.26E-06	2.33E-04	1.07E-05	2.78E-05	1.19E-06
1183	436950.6	3725205	2.18E-04	8.92E-06	4.55E-05	2.25E-06	2.34E-04	1.07E-05	2.78E-05	1.19E-06
1184	436909	3725295	1.92E-04	8.07E-06	4.02E-05	2.04E-06	2.06E-04	9.68E-06	2.46E-05	1.08E-06
1185	436909.3	3725285	1.92E-04	8.05E-06	4.01E-05	2.04E-06	2.06E-04	9.65E-06	2.45E-05	1.08E-06
1186	436911.5	3725228	1.92E-04	7.92E-06	4.01E-05	2.00E-06	2.06E-04	9.46E-06	2.45E-05	1.06E-06
1187	436911.8	3725219	1.92E-04	7.91E-06	4.02E-05	1.99E-06	2.07E-04	9.44E-06	2.46E-05	1.05E-06
1188	436912.2	3725210	1.93E-04	7.88E-06	4.02E-05	1.99E-06	2.07E-04	9.40E-06	2.46E-05	1.05E-06
1189	436912.5	3725200	1.93E-04	7.85E-06	4.02E-05	1.98E-06	2.07E-04	9.36E-06	2.46E-05	1.04E-06
1190	436915.7	3725115	1.84E-04	7.16E-06	3.84E-05	1.78E-06	1.98E-04	8.43E-06	2.34E-05	9.37E-07
1191	436916.1	3725105	1.83E-04	7.06E-06	3.81E-05	1.75E-06	1.96E-04	8.30E-06	2.32E-05	9.21E-07
1192	436862.6	3725514	1.66E-04	7.06E-06	3.46E-05	1.79E-06	1.78E-04	8.48E-06	2.12E-05	9.48E-07
1193	436863	3725504	1.66E-04	7.07E-06	3.47E-05	1.79E-06	1.78E-04	8.49E-06	2.12E-05	9.49E-07
1194	436863.3	3725495	1.66E-04	7.07E-06	3.47E-05	1.79E-06	1.78E-04	8.49E-06	2.12E-05	9.49E-07
1195	436863.7	3725485	1.66E-04	7.07E-06	3.48E-05	1.79E-06	1.79E-04	8.49E-06	2.13E-05	9.49E-07
1196	436866.5	3725408	1.69E-04	7.13E-06	3.54E-05	1.80E-06	1.82E-04	8.55E-06	2.16E-05	9.54E-07
1197	436866.9	3725399	1.70E-04	7.15E-06	3.55E-05	1.81E-06	1.83E-04	8.56E-06	2.17E-05	9.56E-07
1198	436867.3	3725389	1.71E-04	7.16E-06	3.56E-05	1.81E-06	1.83E-04	8.58E-06	2.18E-05	9.58E-07
1199	436869.4	3725332	1.72E-04	7.17E-06	3.59E-05	1.81E-06	1.85E-04	8.58E-06	2.19E-05	9.57E-07
1200	436869.8	3725322	1.72E-04	7.17E-06	3.59E-05	1.81E-06	1.85E-04	8.57E-06	2.19E-05	9.56E-07
1201	436870.1	3725312	1.72E-04	7.16E-06	3.59E-05	1.81E-06	1.85E-04	8.56E-06	2.19E-05	9.55E-07
1202	436870.5	3725303	1.72E-04	7.15E-06	3.59E-05	1.80E-06	1.85E-04	8.54E-06	2.19E-05	9.53E-07
1203	436870.8	3725293	1.72E-04	7.13E-06	3.59E-05	1.80E-06	1.85E-04	8.52E-06	2.19E-05	9.51E-07
1204	436871.2	3725284	1.72E-04	7.11E-06	3.59E-05	1.79E-06	1.84E-04	8.50E-06	2.19E-05	9.48E-07
1205	436873.3	3725226	1.73E-04	7.08E-06	3.61E-05	1.78E-06	1.86E-04	8.44E-06	2.20E-05	9.41E-07
1206	436873.7	3725217	1.74E-04	7.09E-06	3.62E-05	1.78E-06	1.86E-04	8.44E-06	2.21E-05	9.41E-07
1207	436874	3725207	1.74E-04	7.09E-06	3.63E-05	1.78E-06	1.87E-04	8.44E-06	2.22E-05	9.40E-07
1208	436874.4	3725197	1.74E-04	7.07E-06	3.63E-05	1.77E-06	1.87E-04	8.40E-06	2.22E-05	9.36E-07
1209	436824.4	3725514	1.51E-04	6.33E-06	3.14E-05	1.60E-06	1.62E-04	7.57E-06	1.92E-05	8.45E-07
1210	436824.7	3725505	1.51E-04	6.33E-06	3.15E-05	1.60E-06	1.62E-04	7.57E-06	1.92E-05	8.45E-07
1211	436825.1	3725495	1.51E-04	6.33E-06	3.15E-05	1.60E-06	1.62E-04	7.57E-06	1.92E-05	8.45E-07
1212	436825.4	3725485	1.51E-04	6.33E-06	3.15E-05	1.60E-06	1.62E-04	7.57E-06	1.93E-05	8.45E-07
1213	436828.3	3725408	1.53E-04	6.36E-06	3.20E-05	1.60E-06	1.65E-04	7.58E-06	1.95E-05	8.46E-07
1214	436828.7	3725398	1.54E-04	6.36E-06	3.21E-05	1.60E-06	1.65E-04	7.59E-06	1.95E-05	8.46E-07
1215	436829.1	3725389	1.54E-04	6.37E-06	3.21E-05	1.60E-06	1.65E-04	7.60E-06	1.96E-05	8.47E-07
1216	436831.2	3725330	1.56E-04	6.42E-06	3.25E-05	1.61E-06	1.67E-04	7.65E-06	1.98E-05	8.52E-07
1217	436831.6	3725321	1.56E-04	6.42E-06	3.25E-05	1.61E-06	1.67E-04	7.65E-06	1.98E-05	8.53E-07
1218	436831.9	3725311	1.56E-04	6.42E-06	3.26E-05	1.61E-06	1.68E-04	7.64E-06	1.98E-05	8.52E-07
1219	436832.3	3725301	1.56E-04	6.41E-06	3.26E-05	1.61E-06	1.68E-04	7.64E-06	1.98E-05	8.51E-07
1220	436832.7	3725292	1.56E-04	6.41E-06	3.26E-05	1.61E-06	1.68E-04	7.63E-06	1.99E-05	8.50E-07
1221	436834.8	3725234	1.56E-04	6.37E-06	3.26E-05	1.60E-06	1.68E-04	7.57E-06	1.99E-05	8.43E-07
1222	436835.2	3725224	1.57E-04	6.38E-06	3.28E-05	1.60E-06	1.69E-04	7.58E-06	2.00E-05	8.45E-07
1223	436835.5	3725214	1.58E-04	6.40E-06	3.29E-05	1.60E-06	1.69E-04	7.60E-06	2.00E-05	8.46E-07
1224	436835.9	3725205	1.58E-04	6.40E-06	3.30E-05	1.60E-06	1.70E-04	7.60E-06	2.01E-05	8.46E-07
1225	436836.3	3725195	1.58E-04	6.38E-06	3.29E-05	1.60E-06	1.70E-04	7.57E-06	2.01E-05	8.42E-07
1226	436838.8	3725127	1.54E-04	6.06E-06	3.21E-05	1.51E-06	1.65E-04	7.15E-06	1.95E-05	7.95E-07
1227	436839.2	3725118	1.53E-04	6.00E-06	3.19E-05	1.49E-06	1.64E-04	7.07E-06	1.94E-05	7.85E-07
1228	436839.5	3725108	1.52E-04	5.93E-06	3.16E-05	1.47E-06	1.63E-04	6.98E-06	1.92E-05	7.75E-07

1229	436839.9	3725098	1.51E-04	5.86E-06	3.14E-05	1.45E-06	1.62E-04	6.88E-06	1.91E-05	7.64E-07
1230	436792.9	3725334	1.42E-04	5.80E-06	2.97E-05	1.45E-06	1.53E-04	6.89E-06	1.81E-05	7.67E-07
1231	436793.2	3725324	1.42E-04	5.80E-06	2.97E-05	1.46E-06	1.53E-04	6.89E-06	1.81E-05	7.67E-07
1232	436793.6	3725314	1.42E-04	5.80E-06	2.97E-05	1.45E-06	1.53E-04	6.89E-06	1.81E-05	7.67E-07
1233	436793.9	3725305	1.42E-04	5.80E-06	2.97E-05	1.45E-06	1.53E-04	6.88E-06	1.81E-05	7.66E-07
1234	436794.3	3725295	1.42E-04	5.79E-06	2.97E-05	1.45E-06	1.53E-04	6.88E-06	1.81E-05	7.65E-07
1235	436794.7	3725286	1.43E-04	5.79E-06	2.97E-05	1.45E-06	1.53E-04	6.88E-06	1.81E-05	7.66E-07
1236	436796.8	3725228	1.43E-04	5.79E-06	2.99E-05	1.45E-06	1.54E-04	6.87E-06	1.82E-05	7.65E-07
1237	436797.2	3725219	1.43E-04	5.79E-06	2.99E-05	1.45E-06	1.54E-04	6.86E-06	1.82E-05	7.64E-07
1238	436797.5	3725209	1.44E-04	5.78E-06	2.99E-05	1.45E-06	1.54E-04	6.86E-06	1.82E-05	7.63E-07
1239	436797.9	3725199	1.43E-04	5.77E-06	2.99E-05	1.44E-06	1.54E-04	6.83E-06	1.82E-05	7.60E-07
1240	436800.7	3725123	1.41E-04	5.54E-06	2.93E-05	1.38E-06	1.51E-04	6.52E-06	1.78E-05	7.24E-07
1241	436801.1	3725113	1.40E-04	5.50E-06	2.92E-05	1.37E-06	1.51E-04	6.47E-06	1.78E-05	7.19E-07
1242	436801.4	3725104	1.40E-04	5.46E-06	2.91E-05	1.35E-06	1.50E-04	6.41E-06	1.77E-05	7.12E-07
1243	436801.8	3725094	1.39E-04	5.41E-06	2.90E-05	1.34E-06	1.49E-04	6.35E-06	1.76E-05	7.04E-07
1244	436802.2	3725085	1.39E-04	5.36E-06	2.88E-05	1.33E-06	1.49E-04	6.29E-06	1.75E-05	6.97E-07
1245	436771.9	3725605	1.36E-04	5.66E-06	2.84E-05	1.42E-06	1.46E-04	6.74E-06	1.73E-05	7.52E-07
1246	436766.8	3725597	1.35E-04	5.60E-06	2.82E-05	1.41E-06	1.45E-04	6.67E-06	1.72E-05	7.44E-07
1247	436750.7	3725439	1.32E-04	5.39E-06	2.75E-05	1.35E-06	1.42E-04	6.40E-06	1.67E-05	7.12E-07
1248	436751.1	3725429	1.32E-04	5.39E-06	2.75E-05	1.35E-06	1.42E-04	6.40E-06	1.68E-05	7.12E-07
1249	436754.7	3725332	1.32E-04	5.31E-06	2.74E-05	1.33E-06	1.41E-04	6.29E-06	1.67E-05	7.00E-07
1250	436755.1	3725323	1.31E-04	5.31E-06	2.74E-05	1.33E-06	1.41E-04	6.28E-06	1.67E-05	6.99E-07
1251	436755.4	3725313	1.31E-04	5.30E-06	2.74E-05	1.32E-06	1.41E-04	6.28E-06	1.66E-05	6.98E-07
1252	436755.8	3725303	1.31E-04	5.29E-06	2.73E-05	1.32E-06	1.41E-04	6.26E-06	1.66E-05	6.97E-07
1253	436756.1	3725294	1.31E-04	5.29E-06	2.73E-05	1.32E-06	1.41E-04	6.26E-06	1.66E-05	6.96E-07
1254	436758.3	3725236	1.32E-04	5.29E-06	2.74E-05	1.32E-06	1.41E-04	6.26E-06	1.67E-05	6.96E-07
1255	436758.7	3725226	1.32E-04	5.29E-06	2.75E-05	1.32E-06	1.41E-04	6.26E-06	1.67E-05	6.96E-07
1256	436759	3725216	1.32E-04	5.29E-06	2.75E-05	1.32E-06	1.41E-04	6.25E-06	1.67E-05	6.95E-07
1257	436759.4	3725207	1.32E-04	5.28E-06	2.75E-05	1.32E-06	1.42E-04	6.25E-06	1.67E-05	6.94E-07
1258	436759.7	3725197	1.32E-04	5.27E-06	2.74E-05	1.31E-06	1.41E-04	6.23E-06	1.67E-05	6.92E-07
1259	436762.3	3725130	1.30E-04	5.12E-06	2.70E-05	1.27E-06	1.39E-04	6.02E-06	1.64E-05	6.69E-07
1260	436762.6	3725120	1.30E-04	5.09E-06	2.70E-05	1.26E-06	1.39E-04	5.99E-06	1.64E-05	6.65E-07
1261	436763	3725110	1.30E-04	5.07E-06	2.70E-05	1.26E-06	1.39E-04	5.96E-06	1.64E-05	6.62E-07
1262	436763.3	3725101	1.30E-04	5.06E-06	2.70E-05	1.25E-06	1.39E-04	5.94E-06	1.64E-05	6.59E-07
1263	436763.7	3725091	1.30E-04	5.05E-06	2.70E-05	1.25E-06	1.39E-04	5.92E-06	1.64E-05	6.56E-07
1264	436764.1	3725081	1.30E-04	5.02E-06	2.70E-05	1.24E-06	1.39E-04	5.88E-06	1.64E-05	6.52E-07
1265	436779.2	3725688	1.42E-04	5.93E-06	2.96E-05	1.49E-06	1.52E-04	7.08E-06	1.80E-05	7.89E-07
1266	436774.1	3725680	1.40E-04	5.86E-06	2.93E-05	1.48E-06	1.51E-04	7.00E-06	1.79E-05	7.80E-07
1267	436769	3725672	1.39E-04	5.78E-06	2.90E-05	1.46E-06	1.49E-04	6.90E-06	1.76E-05	7.69E-07
1268	436763.9	3725664	1.37E-04	5.70E-06	2.86E-05	1.43E-06	1.47E-04	6.80E-06	1.74E-05	7.58E-07
1269	436758.7	3725656	1.35E-04	5.62E-06	2.82E-05	1.41E-06	1.45E-04	6.69E-06	1.72E-05	7.46E-07
1270	436753.6	3725648	1.34E-04	5.53E-06	2.79E-05	1.39E-06	1.43E-04	6.59E-06	1.70E-05	7.34E-07
1271	436748.5	3725639	1.32E-04	5.46E-06	2.75E-05	1.37E-06	1.42E-04	6.50E-06	1.68E-05	7.24E-07
1272	436743.3	3725631	1.31E-04	5.39E-06	2.72E-05	1.35E-06	1.40E-04	6.41E-06	1.66E-05	7.15E-07
1273	436738.2	3725623	1.29E-04	5.33E-06	2.70E-05	1.34E-06	1.39E-04	6.34E-06	1.64E-05	7.06E-07
1274	436712.4	3725441	1.25E-04	5.07E-06	2.61E-05	1.27E-06	1.34E-04	6.01E-06	1.58E-05	6.69E-07
1275	436712.8	3725431	1.25E-04	5.08E-06	2.61E-05	1.27E-06	1.35E-04	6.02E-06	1.59E-05	6.70E-07
1276	436713.1	3725422	1.26E-04	5.09E-06	2.62E-05	1.27E-06	1.35E-04	6.02E-06	1.59E-05	6.70E-07
1277	436716.4	3725336	1.22E-04	4.90E-06	2.55E-05	1.22E-06	1.31E-04	5.79E-06	1.55E-05	6.43E-07
1278	436716.7	3725326	1.22E-04	4.89E-06	2.54E-05	1.22E-06	1.31E-04	5.78E-06	1.54E-05	6.42E-07
1279	436717.1	3725316	1.22E-04	4.88E-06	2.54E-05	1.22E-06	1.31E-04	5.76E-06	1.54E-05	6.40E-07
1280	436717.4	3725307	1.22E-04	4.87E-06	2.53E-05	1.21E-06	1.31E-04	5.75E-06	1.54E-05	6.39E-07
1281	436717.8	3725297	1.21E-04	4.86E-06	2.53E-05	1.21E-06	1.30E-04	5.74E-06	1.54E-05	6.38E-07
1282	436719.9	3725240	1.22E-04	4.85E-06	2.53E-05	1.21E-06	1.30E-04	5.73E-06	1.54E-05	6.37E-07
1283	436720.3	3725230	1.22E-04	4.85E-06	2.53E-05	1.21E-06	1.31E-04	5.73E-06	1.54E-05	6.37E-07
1284	436720.6	3725221	1.22E-04	4.85E-06	2.53E-05	1.21E-06	1.30E-04	5.72E-06	1.54E-05	6.36E-07

1285	436721	3725211	1.22E-04	4.84E-06	2.53E-05	1.21E-06	1.30E-04	5.72E-06	1.54E-05	6.35E-07
1286	436721.3	3725202	1.21E-04	4.84E-06	2.53E-05	1.20E-06	1.30E-04	5.71E-06	1.54E-05	6.34E-07
1287	436721.7	3725192	1.21E-04	4.83E-06	2.53E-05	1.20E-06	1.30E-04	5.69E-06	1.54E-05	6.33E-07
1288	436724.6	3725115	1.21E-04	4.73E-06	2.51E-05	1.17E-06	1.30E-04	5.55E-06	1.52E-05	6.16E-07
1289	436724.9	3725106	1.21E-04	4.73E-06	2.52E-05	1.17E-06	1.30E-04	5.56E-06	1.53E-05	6.17E-07
1290	436725.3	3725096	1.22E-04	4.74E-06	2.53E-05	1.17E-06	1.31E-04	5.56E-06	1.54E-05	6.17E-07
1291	436725.6	3725087	1.22E-04	4.75E-06	2.54E-05	1.17E-06	1.31E-04	5.56E-06	1.54E-05	6.17E-07
1292	436751.6	3725716	1.33E-04	5.52E-06	2.78E-05	1.39E-06	1.43E-04	6.58E-06	1.69E-05	7.33E-07
1293	436746.4	3725707	1.33E-04	5.49E-06	2.77E-05	1.38E-06	1.43E-04	6.54E-06	1.69E-05	7.29E-07
1294	436741.2	3725699	1.32E-04	5.47E-06	2.76E-05	1.37E-06	1.42E-04	6.50E-06	1.68E-05	7.25E-07
1295	436736	3725691	1.31E-04	5.42E-06	2.73E-05	1.36E-06	1.41E-04	6.44E-06	1.66E-05	7.18E-07
1296	436730.9	3725683	1.30E-04	5.35E-06	2.71E-05	1.34E-06	1.39E-04	6.37E-06	1.65E-05	7.09E-07
1297	436725.7	3725675	1.29E-04	5.29E-06	2.68E-05	1.33E-06	1.38E-04	6.29E-06	1.63E-05	7.01E-07
1298	436720.5	3725667	1.27E-04	5.22E-06	2.65E-05	1.31E-06	1.36E-04	6.20E-06	1.61E-05	6.91E-07
1299	436715.4	3725659	1.26E-04	5.15E-06	2.62E-05	1.29E-06	1.35E-04	6.12E-06	1.59E-05	6.81E-07
1300	436710.2	3725650	1.24E-04	5.09E-06	2.59E-05	1.27E-06	1.33E-04	6.04E-06	1.57E-05	6.72E-07
1301	436705	3725642	1.23E-04	5.03E-06	2.56E-05	1.26E-06	1.32E-04	5.97E-06	1.56E-05	6.65E-07
1302	436670.6	3725537	1.15E-04	4.65E-06	2.39E-05	1.16E-06	1.23E-04	5.51E-06	1.45E-05	6.13E-07
1303	436671	3725527	1.15E-04	4.66E-06	2.40E-05	1.16E-06	1.24E-04	5.52E-06	1.46E-05	6.14E-07
1304	436674.2	3725440	1.18E-04	4.76E-06	2.46E-05	1.19E-06	1.27E-04	5.63E-06	1.50E-05	6.26E-07
1305	436674.6	3725431	1.18E-04	4.76E-06	2.46E-05	1.19E-06	1.27E-04	5.63E-06	1.50E-05	6.26E-07
1306	436674.9	3725421	1.18E-04	4.76E-06	2.47E-05	1.19E-06	1.27E-04	5.63E-06	1.50E-05	6.26E-07
1307	436675.3	3725412	1.19E-04	4.76E-06	2.47E-05	1.19E-06	1.27E-04	5.63E-06	1.50E-05	6.26E-07
1308	436678.2	3725334	1.15E-04	4.56E-06	2.39E-05	1.14E-06	1.23E-04	5.38E-06	1.45E-05	5.97E-07
1309	436678.5	3725325	1.14E-04	4.55E-06	2.38E-05	1.13E-06	1.23E-04	5.36E-06	1.44E-05	5.95E-07
1310	436678.9	3725315	1.14E-04	4.53E-06	2.37E-05	1.13E-06	1.22E-04	5.34E-06	1.44E-05	5.93E-07
1311	436679.2	3725305	1.14E-04	4.52E-06	2.37E-05	1.12E-06	1.22E-04	5.32E-06	1.44E-05	5.91E-07
1312	436679.6	3725296	1.13E-04	4.51E-06	2.36E-05	1.12E-06	1.22E-04	5.31E-06	1.43E-05	5.90E-07
1313	436681.8	3725238	1.13E-04	4.49E-06	2.36E-05	1.12E-06	1.22E-04	5.30E-06	1.43E-05	5.88E-07
1314	436682.1	3725228	1.13E-04	4.49E-06	2.36E-05	1.12E-06	1.22E-04	5.29E-06	1.43E-05	5.88E-07
1315	436682.5	3725219	1.13E-04	4.49E-06	2.36E-05	1.12E-06	1.22E-04	5.29E-06	1.43E-05	5.88E-07
1316	436682.8	3725209	1.13E-04	4.49E-06	2.36E-05	1.12E-06	1.22E-04	5.29E-06	1.43E-05	5.87E-07
1317	436683.2	3725199	1.13E-04	4.48E-06	2.36E-05	1.11E-06	1.22E-04	5.28E-06	1.43E-05	5.86E-07
1318	436686.4	3725112	1.13E-04	4.43E-06	2.36E-05	1.10E-06	1.22E-04	5.20E-06	1.43E-05	5.77E-07
1319	436686.8	3725103	1.13E-04	4.42E-06	2.36E-05	1.09E-06	1.22E-04	5.18E-06	1.43E-05	5.74E-07
1320	436687.2	3725093	1.13E-04	4.40E-06	2.35E-05	1.09E-06	1.21E-04	5.16E-06	1.43E-05	5.71E-07
1321	436712.2	3725725	1.24E-04	5.09E-06	2.59E-05	1.28E-06	1.33E-04	6.04E-06	1.58E-05	6.73E-07
1322	436707.1	3725717	1.24E-04	5.06E-06	2.57E-05	1.27E-06	1.33E-04	6.01E-06	1.57E-05	6.69E-07
1323	436702	3725709	1.22E-04	5.01E-06	2.55E-05	1.25E-06	1.31E-04	5.94E-06	1.55E-05	6.61E-07
1324	436696.8	3725701	1.21E-04	4.95E-06	2.53E-05	1.24E-06	1.30E-04	5.88E-06	1.54E-05	6.54E-07
1325	436691.7	3725693	1.20E-04	4.90E-06	2.51E-05	1.23E-06	1.29E-04	5.81E-06	1.52E-05	6.47E-07
1326	436686.6	3725685	1.19E-04	4.85E-06	2.48E-05	1.21E-06	1.28E-04	5.75E-06	1.51E-05	6.40E-07
1327	436681.5	3725676	1.18E-04	4.81E-06	2.46E-05	1.20E-06	1.27E-04	5.70E-06	1.50E-05	6.34E-07
1328	436676.3	3725668	1.17E-04	4.76E-06	2.44E-05	1.19E-06	1.26E-04	5.64E-06	1.48E-05	6.27E-07
1329	436671.2	3725660	1.16E-04	4.71E-06	2.42E-05	1.18E-06	1.25E-04	5.58E-06	1.47E-05	6.21E-07
1330	436666.1	3725652	1.15E-04	4.66E-06	2.40E-05	1.17E-06	1.24E-04	5.52E-06	1.46E-05	6.14E-07
1331	436661	3725644	1.14E-04	4.62E-06	2.38E-05	1.15E-06	1.23E-04	5.47E-06	1.45E-05	6.08E-07
1332	436655.8	3725636	1.13E-04	4.57E-06	2.36E-05	1.14E-06	1.21E-04	5.41E-06	1.43E-05	6.02E-07
1333	436650.7	3725628	1.12E-04	4.53E-06	2.34E-05	1.13E-06	1.20E-04	5.36E-06	1.42E-05	5.96E-07
1334	436645.6	3725620	1.11E-04	4.49E-06	2.32E-05	1.12E-06	1.19E-04	5.31E-06	1.41E-05	5.90E-07
1335	436640.5	3725612	1.10E-04	4.45E-06	2.30E-05	1.11E-06	1.18E-04	5.25E-06	1.39E-05	5.84E-07
1336	436635.3	3725604	1.09E-04	4.40E-06	2.28E-05	1.10E-06	1.17E-04	5.21E-06	1.38E-05	5.79E-07
1337	436630.6	3725586	1.08E-04	4.35E-06	2.25E-05	1.09E-06	1.16E-04	5.14E-06	1.37E-05	5.71E-07
1338	436630.9	3725576	1.08E-04	4.35E-06	2.25E-05	1.08E-06	1.16E-04	5.14E-06	1.37E-05	5.71E-07
1339	436631.3	3725567	1.08E-04	4.35E-06	2.25E-05	1.08E-06	1.16E-04	5.13E-06	1.37E-05	5.71E-07
1340	436631.6	3725557	1.08E-04	4.36E-06	2.26E-05	1.09E-06	1.16E-04	5.15E-06	1.37E-05	5.73E-07

1341	436632	3725548	1.09E-04	4.38E-06	2.27E-05	1.09E-06	1.17E-04	5.18E-06	1.38E-05	5.76E-07
1342	436632.3	3725538	1.09E-04	4.39E-06	2.27E-05	1.10E-06	1.17E-04	5.19E-06	1.38E-05	5.77E-07
1343	436632.7	3725529	1.09E-04	4.40E-06	2.28E-05	1.10E-06	1.17E-04	5.19E-06	1.38E-05	5.77E-07
1344	436633.1	3725519	1.09E-04	4.40E-06	2.28E-05	1.10E-06	1.17E-04	5.20E-06	1.38E-05	5.78E-07
1345	436633.4	3725510	1.10E-04	4.40E-06	2.28E-05	1.10E-06	1.18E-04	5.20E-06	1.39E-05	5.78E-07
1346	436643.4	3725242	1.06E-04	4.19E-06	2.21E-05	1.04E-06	1.14E-04	4.92E-06	1.34E-05	5.47E-07
1347	437682.2	3725421	5.59E-02	1.35E-03	1.12E-02	2.63E-04	5.95E-02	1.24E-03	6.38E-03	1.25E-04
1348	437676	3725429	4.54E-02	1.27E-03	9.15E-03	2.69E-04	4.84E-02	1.27E-03	5.27E-03	1.32E-04
1349	437669.7	3725437	3.85E-02	1.27E-03	7.82E-03	2.88E-04	4.11E-02	1.36E-03	4.56E-03	1.46E-04
1350	437663.5	3725444	3.40E-02	1.33E-03	6.97E-03	3.22E-04	3.64E-02	1.52E-03	4.13E-03	1.67E-04
1351	437657.2	3725452	3.14E-02	1.48E-03	6.50E-03	3.74E-04	3.36E-02	1.77E-03	3.92E-03	1.98E-04
1352	437645.1	3725455	3.05E-02	1.72E-03	6.39E-03	4.54E-04	3.27E-02	2.15E-03	3.93E-03	2.44E-04
1353	437638.9	3725463	3.12E-02	2.10E-03	6.63E-03	5.71E-04	3.36E-02	2.71E-03	4.18E-03	3.10E-04
1354	437631.4	3725681	6.28E-03	4.99E-04	1.36E-03	1.39E-04	6.78E-03	6.60E-04	8.78E-04	7.59E-05
1355	437617.3	3725676	6.53E-03	5.37E-04	1.42E-03	1.50E-04	7.05E-03	7.13E-04	9.20E-04	8.22E-05
1356	437603.2	3725672	6.73E-03	5.72E-04	1.47E-03	1.60E-04	7.27E-03	7.62E-04	9.56E-04	8.79E-05
1357	437661	3725710	4.97E-03	3.56E-04	1.06E-03	9.78E-05	5.35E-03	4.64E-04	6.78E-04	5.32E-05
1358	437646.9	3725705	5.12E-03	3.81E-04	1.10E-03	1.05E-04	5.52E-03	4.99E-04	7.05E-04	5.73E-05
1359	437632.7	3725701	5.30E-03	4.08E-04	1.14E-03	1.13E-04	5.71E-03	5.37E-04	7.35E-04	6.18E-05
1360	437618.6	3725696	5.46E-03	4.34E-04	1.18E-03	1.21E-04	5.89E-03	5.74E-04	7.64E-04	6.61E-05
1361	437604.5	3725692	5.57E-03	4.56E-04	1.21E-03	1.27E-04	6.01E-03	6.05E-04	7.84E-04	6.97E-05
1362	437590.3	3725687	5.63E-03	4.72E-04	1.22E-03	1.32E-04	6.08E-03	6.29E-04	7.98E-04	7.25E-05
1363	437576.2	3725682	5.69E-03	4.87E-04	1.24E-03	1.37E-04	6.14E-03	6.51E-04	8.10E-04	7.51E-05
1364	437578	3725712	4.44E-03	3.62E-04	9.62E-04	1.01E-04	4.79E-03	4.80E-04	6.25E-04	5.53E-05
1365	437563.9	3725707	4.41E-03	3.66E-04	9.58E-04	1.02E-04	4.76E-03	4.86E-04	6.24E-04	5.61E-05
1366	437549.7	3725703	4.31E-03	3.63E-04	9.39E-04	1.02E-04	4.66E-03	4.83E-04	6.13E-04	5.57E-05
1367	437722	3725788	3.09E-03	1.83E-04	6.52E-04	4.89E-05	3.32E-03	2.32E-04	4.06E-04	2.64E-05
1368	437707.8	3725784	3.15E-03	1.93E-04	6.68E-04	5.19E-05	3.39E-03	2.46E-04	4.18E-04	2.80E-05
1369	437693.6	3725779	3.22E-03	2.03E-04	6.83E-04	5.49E-05	3.46E-03	2.60E-04	4.29E-04	2.97E-05
1370	437752.3	3725822	2.63E-03	1.46E-04	5.53E-04	3.84E-05	2.82E-03	1.82E-04	3.42E-04	2.06E-05
1371	437738.5	3725823	2.58E-03	1.47E-04	5.44E-04	3.90E-05	2.78E-03	1.85E-04	3.38E-04	2.09E-05
1372	437724.3	3725818	2.61E-03	1.53E-04	5.52E-04	4.07E-05	2.81E-03	1.93E-04	3.43E-04	2.19E-05
1373	437710	3725814	2.64E-03	1.59E-04	5.59E-04	4.25E-05	2.84E-03	2.01E-04	3.49E-04	2.29E-05
1374	437695.8	3725809	2.69E-03	1.66E-04	5.70E-04	4.47E-05	2.89E-03	2.12E-04	3.57E-04	2.41E-05
1375	437681.5	3725804	2.74E-03	1.74E-04	5.81E-04	4.69E-05	2.95E-03	2.22E-04	3.65E-04	2.54E-05
1376	437553.4	3725762	2.81E-03	2.15E-04	6.06E-04	5.97E-05	3.03E-03	2.83E-04	3.91E-04	3.26E-05
1377	437539.2	3725758	2.74E-03	2.12E-04	5.93E-04	5.90E-05	2.96E-03	2.80E-04	3.83E-04	3.22E-05
1378	437525	3725753	2.67E-03	2.08E-04	5.76E-04	5.79E-05	2.88E-03	2.75E-04	3.73E-04	3.16E-05
1379	437774.7	3725842	2.44E-03	1.30E-04	5.12E-04	3.39E-05	2.62E-03	1.61E-04	3.15E-04	1.82E-05
1380	437761.3	3725848	2.35E-03	1.28E-04	4.94E-04	3.36E-05	2.52E-03	1.59E-04	3.05E-04	1.80E-05
1381	437740.8	3725853	2.26E-03	1.27E-04	4.76E-04	3.36E-05	2.43E-03	1.59E-04	2.95E-04	1.81E-05
1382	437726.5	3725848	2.27E-03	1.31E-04	4.79E-04	3.48E-05	2.44E-03	1.65E-04	2.98E-04	1.87E-05
1383	437598.2	3725806	2.39E-03	1.68E-04	5.13E-04	4.61E-05	2.58E-03	2.19E-04	3.27E-04	2.50E-05
1384	437583.9	3725801	2.39E-03	1.70E-04	5.12E-04	4.69E-05	2.57E-03	2.22E-04	3.27E-04	2.55E-05
1385	437569.7	3725797	2.37E-03	1.72E-04	5.09E-04	4.73E-05	2.56E-03	2.24E-04	3.26E-04	2.58E-05
1386	437555.4	3725792	2.34E-03	1.71E-04	5.03E-04	4.73E-05	2.52E-03	2.25E-04	3.22E-04	2.58E-05
1387	437541.1	3725787	2.28E-03	1.69E-04	4.92E-04	4.68E-05	2.46E-03	2.22E-04	3.16E-04	2.55E-05
1388	437526.9	3725783	2.22E-03	1.66E-04	4.79E-04	4.59E-05	2.40E-03	2.18E-04	3.08E-04	2.50E-05
1389	437810.5	3725854	2.36E-03	1.18E-04	4.92E-04	3.04E-05	2.53E-03	1.44E-04	3.01E-04	1.62E-05
1390	437797.1	3725861	2.28E-03	1.17E-04	4.78E-04	3.03E-05	2.45E-03	1.44E-04	2.93E-04	1.62E-05
1391	437783.7	3725868	2.21E-03	1.16E-04	4.63E-04	3.02E-05	2.37E-03	1.43E-04	2.85E-04	1.61E-05
1392	437770.3	3725875	2.14E-03	1.14E-04	4.49E-04	3.00E-05	2.30E-03	1.42E-04	2.77E-04	1.61E-05
1393	437614.5	3725841	2.00E-03	1.32E-04	4.26E-04	3.61E-05	2.15E-03	1.71E-04	2.70E-04	1.96E-05
1394	437600.2	3725836	2.00E-03	1.35E-04	4.27E-04	3.69E-05	2.16E-03	1.75E-04	2.71E-04	2.00E-05
1395	437557.4	3725822	1.97E-03	1.39E-04	4.22E-04	3.81E-05	2.12E-03	1.81E-04	2.69E-04	2.07E-05
1396	437833	3725874	2.20E-03	1.06E-04	4.59E-04	2.72E-05	2.36E-03	1.29E-04	2.79E-04	1.45E-05

1397	437819.6	3725881	2.14E-03	1.06E-04	4.47E-04	2.73E-05	2.30E-03	1.29E-04	2.73E-04	1.45E-05
1398	437806.2	3725888	2.08E-03	1.05E-04	4.35E-04	2.72E-05	2.23E-03	1.29E-04	2.66E-04	1.45E-05
1399	437792.8	3725895	2.02E-03	1.04E-04	4.23E-04	2.71E-05	2.17E-03	1.29E-04	2.60E-04	1.45E-05
1400	437645.3	3725880	1.74E-03	1.09E-04	3.70E-04	2.93E-05	1.88E-03	1.39E-04	2.32E-04	1.58E-05
1401	437631	3725875	1.73E-03	1.09E-04	3.67E-04	2.95E-05	1.86E-03	1.40E-04	2.31E-04	1.60E-05
1402	437616.7	3725870	1.71E-03	1.10E-04	3.64E-04	2.98E-05	1.84E-03	1.41E-04	2.30E-04	1.61E-05
1403	437602.4	3725866	1.70E-03	1.11E-04	3.63E-04	3.02E-05	1.84E-03	1.43E-04	2.29E-04	1.64E-05
1404	437855.5	3725894	2.03E-03	9.50E-05	4.23E-04	2.42E-05	2.18E-03	1.15E-04	2.57E-04	1.29E-05
1405	437842.1	3725901	1.99E-03	9.53E-05	4.15E-04	2.44E-05	2.14E-03	1.16E-04	2.53E-04	1.30E-05
1406	437828.7	3725907	1.95E-03	9.52E-05	4.07E-04	2.45E-05	2.09E-03	1.16E-04	2.48E-04	1.31E-05
1407	437815.3	3725914	1.90E-03	9.45E-05	3.96E-04	2.45E-05	2.03E-03	1.16E-04	2.42E-04	1.30E-05
1408	437801.8	3725921	1.84E-03	9.37E-05	3.85E-04	2.43E-05	1.98E-03	1.15E-04	2.36E-04	1.30E-05
1409	437788.4	3725928	1.79E-03	9.25E-05	3.74E-04	2.41E-05	1.92E-03	1.14E-04	2.30E-04	1.29E-05
1410	437690.4	3725924	1.62E-03	9.43E-05	3.43E-04	2.52E-05	1.74E-03	1.19E-04	2.13E-04	1.35E-05
1411	437676.1	3725919	1.61E-03	9.48E-05	3.39E-04	2.54E-05	1.73E-03	1.20E-04	2.12E-04	1.37E-05
1412	437878.1	3725913	1.88E-03	8.56E-05	3.91E-04	2.17E-05	2.02E-03	1.03E-04	2.37E-04	1.15E-05
1413	437864.7	3725920	1.85E-03	8.58E-05	3.84E-04	2.19E-05	1.98E-03	1.04E-04	2.33E-04	1.16E-05
1414	437851.2	3725927	1.81E-03	8.58E-05	3.77E-04	2.20E-05	1.94E-03	1.04E-04	2.29E-04	1.17E-05
1415	437837.8	3725934	1.77E-03	8.55E-05	3.69E-04	2.20E-05	1.90E-03	1.04E-04	2.25E-04	1.17E-05
1416	437824.4	3725941	1.72E-03	8.49E-05	3.59E-04	2.19E-05	1.85E-03	1.04E-04	2.20E-04	1.17E-05
1417	437810.9	3725948	1.67E-03	8.40E-05	3.50E-04	2.18E-05	1.80E-03	1.03E-04	2.14E-04	1.16E-05
1418	437797.5	3725954	1.63E-03	8.29E-05	3.40E-04	2.16E-05	1.74E-03	1.02E-04	2.09E-04	1.15E-05
1419	437735.6	3725968	1.48E-03	8.09E-05	3.12E-04	2.13E-05	1.59E-03	1.01E-04	1.93E-04	1.14E-05
1420	437721.3	3725963	1.48E-03	8.19E-05	3.11E-04	2.17E-05	1.59E-03	1.03E-04	1.93E-04	1.16E-05
1421	437707	3725958	1.47E-03	8.28E-05	3.10E-04	2.20E-05	1.58E-03	1.04E-04	1.93E-04	1.18E-05
1422	437692.6	3725954	1.46E-03	8.34E-05	3.08E-04	2.22E-05	1.57E-03	1.05E-04	1.92E-04	1.19E-05
1423	437678.3	3725949	1.45E-03	8.38E-05	3.06E-04	2.23E-05	1.56E-03	1.06E-04	1.90E-04	1.20E-05
1424	437664	3725944	1.43E-03	8.38E-05	3.02E-04	2.24E-05	1.53E-03	1.06E-04	1.88E-04	1.21E-05
1425	437649.6	3725940	1.41E-03	8.36E-05	2.98E-04	2.24E-05	1.51E-03	1.06E-04	1.86E-04	1.21E-05
1426	437846.9	3725960	1.61E-03	7.73E-05	3.36E-04	1.98E-05	1.73E-03	9.40E-05	2.05E-04	1.06E-05
1427	437833.5	3725967	1.57E-03	7.65E-05	3.28E-04	1.97E-05	1.68E-03	9.34E-05	2.00E-04	1.05E-05
1428	437820	3725974	1.53E-03	7.56E-05	3.19E-04	1.96E-05	1.64E-03	9.27E-05	1.95E-04	1.04E-05
1429	437723.6	3725993	1.34E-03	7.29E-05	2.81E-04	1.92E-05	1.44E-03	9.11E-05	1.74E-04	1.03E-05
1430	437709.2	3725988	1.33E-03	7.35E-05	2.80E-04	1.94E-05	1.43E-03	9.22E-05	1.73E-04	1.04E-05
1431	437694.9	3725984	1.32E-03	7.42E-05	2.79E-04	1.97E-05	1.42E-03	9.32E-05	1.73E-04	1.06E-05
1432	437680.5	3725979	1.31E-03	7.46E-05	2.77E-04	1.98E-05	1.41E-03	9.40E-05	1.72E-04	1.07E-05
1433	437666.2	3725974	1.29E-03	7.42E-05	2.73E-04	1.98E-05	1.39E-03	9.38E-05	1.70E-04	1.06E-05
1434	437651.8	3725969	1.27E-03	7.38E-05	2.68E-04	1.97E-05	1.36E-03	9.34E-05	1.67E-04	1.06E-05
1435	437637.5	3725965	1.25E-03	7.35E-05	2.64E-04	1.97E-05	1.34E-03	9.33E-05	1.65E-04	1.06E-05
1436	437623.1	3725960	1.23E-03	7.30E-05	2.60E-04	1.96E-05	1.32E-03	9.28E-05	1.63E-04	1.06E-05
1437	437802.2	3726014	1.31E-03	6.59E-05	2.74E-04	1.71E-05	1.41E-03	8.11E-05	1.68E-04	9.13E-06
1438	437788.7	3726021	1.27E-03	6.46E-05	2.66E-04	1.68E-05	1.36E-03	7.97E-05	1.63E-04	8.98E-06
1439	437775.2	3726028	1.23E-03	6.31E-05	2.57E-04	1.65E-05	1.32E-03	7.80E-05	1.58E-04	8.80E-06
1440	437697.1	3726014	1.20E-03	6.62E-05	2.53E-04	1.75E-05	1.29E-03	8.29E-05	1.57E-04	9.40E-06
1441	437682.8	3726009	1.19E-03	6.66E-05	2.52E-04	1.76E-05	1.28E-03	8.37E-05	1.56E-04	9.48E-06
1442	437668.4	3726004	1.18E-03	6.63E-05	2.48E-04	1.76E-05	1.26E-03	8.35E-05	1.54E-04	9.47E-06
1443	437654	3725999	1.15E-03	6.57E-05	2.43E-04	1.75E-05	1.24E-03	8.29E-05	1.51E-04	9.41E-06
1444	437953.6	3725978	1.47E-03	6.22E-05	3.05E-04	1.55E-05	1.58E-03	7.34E-05	1.84E-04	8.16E-06
1445	437940.1	3725985	1.46E-03	6.29E-05	3.03E-04	1.58E-05	1.57E-03	7.46E-05	1.83E-04	8.31E-06
1446	437926.6	3725992	1.45E-03	6.36E-05	3.01E-04	1.60E-05	1.55E-03	7.57E-05	1.82E-04	8.44E-06
1447	437913.1	3725999	1.43E-03	6.37E-05	2.97E-04	1.61E-05	1.53E-03	7.62E-05	1.80E-04	8.51E-06
1448	437899.6	3726006	1.40E-03	6.34E-05	2.91E-04	1.61E-05	1.50E-03	7.62E-05	1.76E-04	8.51E-06
1449	437805.3	3726054	1.15E-03	5.70E-05	2.40E-04	1.48E-05	1.23E-03	7.00E-05	1.47E-04	7.88E-06
1450	437791.8	3726061	1.11E-03	5.55E-05	2.32E-04	1.44E-05	1.19E-03	6.83E-05	1.42E-04	7.70E-06
1451	437778.3	3726068	1.06E-03	5.39E-05	2.23E-04	1.40E-05	1.14E-03	6.64E-05	1.37E-04	7.48E-06
1452	437983.8	3726005	1.32E-03	5.47E-05	2.74E-04	1.35E-05	1.42E-03	6.42E-05	1.65E-04	7.11E-06

1453	437970.3	3726011	1.32E-03	5.53E-05	2.73E-04	1.38E-05	1.41E-03	6.52E-05	1.64E-04	7.24E-06
1454	437956.8	3726018	1.31E-03	5.59E-05	2.71E-04	1.40E-05	1.40E-03	6.62E-05	1.64E-04	7.36E-06
1455	437943.3	3726025	1.30E-03	5.64E-05	2.69E-04	1.41E-05	1.39E-03	6.70E-05	1.63E-04	7.46E-06
1456	437929.8	3726032	1.29E-03	5.67E-05	2.67E-04	1.43E-05	1.38E-03	6.77E-05	1.62E-04	7.55E-06
1457	437916.3	3726039	1.27E-03	5.68E-05	2.64E-04	1.44E-05	1.36E-03	6.80E-05	1.60E-04	7.60E-06
1458	437902.8	3726046	1.24E-03	5.65E-05	2.59E-04	1.43E-05	1.33E-03	6.79E-05	1.57E-04	7.60E-06
1459	437889.3	3726053	1.22E-03	5.62E-05	2.54E-04	1.43E-05	1.31E-03	6.78E-05	1.54E-04	7.59E-06
1460	438014.1	3726031	1.20E-03	4.84E-05	2.47E-04	1.19E-05	1.28E-03	5.65E-05	1.48E-04	6.25E-06
1461	438000.6	3726037	1.19E-03	4.90E-05	2.47E-04	1.21E-05	1.28E-03	5.75E-05	1.48E-04	6.37E-06
1462	437987	3726044	1.19E-03	4.97E-05	2.46E-04	1.23E-05	1.28E-03	5.85E-05	1.48E-04	6.49E-06
1463	437973.5	3726051	1.19E-03	5.02E-05	2.46E-04	1.25E-05	1.27E-03	5.93E-05	1.48E-04	6.60E-06
1464	437960	3726058	1.18E-03	5.06E-05	2.44E-04	1.27E-05	1.26E-03	6.00E-05	1.47E-04	6.68E-06
1465	437946.5	3726065	1.17E-03	5.09E-05	2.42E-04	1.28E-05	1.25E-03	6.06E-05	1.46E-04	6.75E-06
1466	437933	3726072	1.15E-03	5.10E-05	2.40E-04	1.29E-05	1.24E-03	6.10E-05	1.45E-04	6.81E-06
1467	437919.5	3726079	1.14E-03	5.12E-05	2.37E-04	1.29E-05	1.22E-03	6.14E-05	1.44E-04	6.85E-06
1468	437906	3726086	1.12E-03	5.09E-05	2.33E-04	1.29E-05	1.20E-03	6.12E-05	1.41E-04	6.84E-06
1469	437677.4	3726124	7.82E-04	4.09E-05	1.64E-04	1.07E-05	8.41E-04	5.08E-05	1.01E-04	5.74E-06
1470	437663	3726119	7.73E-04	4.07E-05	1.62E-04	1.07E-05	8.31E-04	5.06E-05	1.00E-04	5.72E-06
1471	437648.6	3726114	7.64E-04	4.05E-05	1.61E-04	1.06E-05	8.20E-04	5.05E-05	9.93E-05	5.71E-06
1472	437634.2	3726109	7.52E-04	4.01E-05	1.58E-04	1.06E-05	8.09E-04	5.01E-05	9.79E-05	5.67E-06
1473	438044.3	3726057	1.09E-03	4.33E-05	2.25E-04	1.06E-05	1.17E-03	5.03E-05	1.35E-04	5.56E-06
1474	438030.8	3726063	1.08E-03	4.37E-05	2.24E-04	1.08E-05	1.16E-03	5.10E-05	1.35E-04	5.64E-06
1475	438017.3	3726070	1.08E-03	4.42E-05	2.24E-04	1.09E-05	1.16E-03	5.18E-05	1.35E-04	5.74E-06
1476	438003.8	3726077	1.08E-03	4.47E-05	2.23E-04	1.11E-05	1.16E-03	5.26E-05	1.34E-04	5.83E-06
1477	437990.3	3726084	1.08E-03	4.52E-05	2.23E-04	1.13E-05	1.15E-03	5.34E-05	1.34E-04	5.93E-06
1478	437976.8	3726091	1.07E-03	4.57E-05	2.22E-04	1.14E-05	1.15E-03	5.41E-05	1.34E-04	6.02E-06
1479	437963.3	3726098	1.06E-03	4.59E-05	2.21E-04	1.15E-05	1.14E-03	5.46E-05	1.33E-04	6.08E-06
1480	437949.7	3726105	1.05E-03	4.62E-05	2.19E-04	1.16E-05	1.13E-03	5.50E-05	1.32E-04	6.14E-06
1481	437936.2	3726112	1.04E-03	4.62E-05	2.16E-04	1.17E-05	1.12E-03	5.52E-05	1.31E-04	6.16E-06
1482	437922.7	3726119	1.03E-03	4.61E-05	2.14E-04	1.17E-05	1.10E-03	5.53E-05	1.30E-04	6.18E-06
1483	437909.2	3726125	1.01E-03	4.59E-05	2.10E-04	1.17E-05	1.08E-03	5.52E-05	1.28E-04	6.18E-06
1484	437895.7	3726132	9.94E-04	4.56E-05	2.07E-04	1.16E-05	1.07E-03	5.50E-05	1.26E-04	6.16E-06
1485	437882.2	3726139	9.73E-04	4.51E-05	2.03E-04	1.15E-05	1.04E-03	5.45E-05	1.23E-04	6.11E-06
1486	437666	3726159	7.09E-04	3.66E-05	1.49E-04	9.58E-06	7.61E-04	4.54E-05	9.18E-05	5.13E-06
1487	437651.6	3726154	6.95E-04	3.61E-05	1.46E-04	9.46E-06	7.47E-04	4.48E-05	9.01E-05	5.06E-06
1488	437637.1	3726149	6.82E-04	3.56E-05	1.43E-04	9.34E-06	7.33E-04	4.43E-05	8.85E-05	5.00E-06
1489	437622.7	3726145	6.70E-04	3.51E-05	1.41E-04	9.23E-06	7.20E-04	4.37E-05	8.70E-05	4.94E-06
1490	438074.6	3726083	1.02E-03	3.98E-05	2.10E-04	9.74E-06	1.09E-03	4.61E-05	1.26E-04	5.09E-06
1491	438061.1	3726089	1.01E-03	4.00E-05	2.08E-04	9.81E-06	1.08E-03	4.64E-05	1.25E-04	5.13E-06
1492	438047.6	3726096	9.98E-04	4.01E-05	2.06E-04	9.87E-06	1.07E-03	4.67E-05	1.24E-04	5.17E-06
1493	438034.1	3726103	9.90E-04	4.03E-05	2.05E-04	9.95E-06	1.06E-03	4.71E-05	1.23E-04	5.22E-06
1494	438020.5	3726110	9.86E-04	4.07E-05	2.04E-04	1.01E-05	1.06E-03	4.77E-05	1.23E-04	5.30E-06
1495	438007	3726117	9.81E-04	4.10E-05	2.03E-04	1.02E-05	1.05E-03	4.83E-05	1.22E-04	5.36E-06
1496	437993.5	3726124	9.77E-04	4.13E-05	2.03E-04	1.03E-05	1.05E-03	4.89E-05	1.22E-04	5.43E-06
1497	437980	3726131	9.72E-04	4.16E-05	2.02E-04	1.04E-05	1.04E-03	4.94E-05	1.22E-04	5.50E-06
1498	437966.4	3726138	9.65E-04	4.18E-05	2.00E-04	1.05E-05	1.03E-03	4.98E-05	1.21E-04	5.55E-06
1499	437952.9	3726145	9.57E-04	4.20E-05	1.99E-04	1.06E-05	1.03E-03	5.01E-05	1.20E-04	5.59E-06
1500	437939.4	3726151	9.45E-04	4.19E-05	1.96E-04	1.06E-05	1.01E-03	5.02E-05	1.19E-04	5.60E-06
1501	437925.9	3726158	9.32E-04	4.18E-05	1.94E-04	1.06E-05	1.00E-03	5.02E-05	1.18E-04	5.60E-06
1502	437912.4	3726165	9.17E-04	4.15E-05	1.91E-04	1.05E-05	9.84E-04	5.00E-05	1.16E-04	5.59E-06
1503	437898.8	3726172	8.99E-04	4.11E-05	1.87E-04	1.05E-05	9.65E-04	4.96E-05	1.14E-04	5.55E-06
1504	437885.3	3726179	8.80E-04	4.06E-05	1.83E-04	1.04E-05	9.44E-04	4.91E-05	1.12E-04	5.49E-06
1505	437871.8	3726186	8.61E-04	4.00E-05	1.79E-04	1.02E-05	9.23E-04	4.84E-05	1.09E-04	5.43E-06
1506	437858.3	3726193	8.41E-04	3.94E-05	1.75E-04	1.01E-05	9.02E-04	4.78E-05	1.07E-04	5.36E-06
1507	437844.7	3726200	8.19E-04	3.87E-05	1.71E-04	9.91E-06	8.79E-04	4.70E-05	1.04E-04	5.27E-06
1508	437831.2	3726207	7.97E-04	3.78E-05	1.66E-04	9.72E-06	8.56E-04	4.61E-05	1.02E-04	5.17E-06

1509	437817.7	3726213	7.74E-04	3.69E-05	1.62E-04	9.50E-06	8.30E-04	4.50E-05	9.87E-05	5.05E-06
1510	437611.3	3726180	6.05E-04	3.12E-05	1.27E-04	8.18E-06	6.50E-04	3.88E-05	7.84E-05	4.38E-06
1511	437596.9	3726175	5.95E-04	3.09E-05	1.25E-04	8.09E-06	6.39E-04	3.84E-05	7.72E-05	4.33E-06
1512	437582.4	3726170	5.87E-04	3.06E-05	1.23E-04	8.02E-06	6.31E-04	3.80E-05	7.62E-05	4.30E-06
1513	438348.6	3725984	8.14E-04	2.67E-05	1.67E-04	6.19E-06	8.71E-04	2.93E-05	9.86E-05	3.17E-06
1514	438094.5	3726114	9.47E-04	3.70E-05	1.95E-04	9.03E-06	1.01E-03	4.27E-05	1.17E-04	4.72E-06
1515	438081.1	3726121	9.39E-04	3.71E-05	1.94E-04	9.09E-06	1.01E-03	4.30E-05	1.16E-04	4.75E-06
1516	438067.7	3726128	9.30E-04	3.71E-05	1.92E-04	9.13E-06	9.96E-04	4.32E-05	1.15E-04	4.78E-06
1517	438054.4	3726134	9.21E-04	3.72E-05	1.90E-04	9.18E-06	9.87E-04	4.35E-05	1.14E-04	4.81E-06
1518	438041	3726141	9.10E-04	3.72E-05	1.88E-04	9.21E-06	9.75E-04	4.36E-05	1.13E-04	4.83E-06
1519	438027.6	3726148	9.04E-04	3.74E-05	1.87E-04	9.28E-06	9.69E-04	4.39E-05	1.13E-04	4.88E-06
1520	438014.2	3726155	8.98E-04	3.76E-05	1.86E-04	9.35E-06	9.62E-04	4.43E-05	1.12E-04	4.92E-06
1521	438000.9	3726162	8.93E-04	3.78E-05	1.85E-04	9.44E-06	9.57E-04	4.47E-05	1.12E-04	4.97E-06
1522	437987.5	3726168	8.89E-04	3.80E-05	1.84E-04	9.53E-06	9.53E-04	4.51E-05	1.11E-04	5.02E-06
1523	437974.1	3726175	8.83E-04	3.82E-05	1.83E-04	9.59E-06	9.46E-04	4.54E-05	1.11E-04	5.06E-06
1524	437960.7	3726182	8.74E-04	3.82E-05	1.82E-04	9.63E-06	9.37E-04	4.56E-05	1.10E-04	5.08E-06
1525	437947.4	3726189	8.65E-04	3.82E-05	1.80E-04	9.65E-06	9.28E-04	4.57E-05	1.09E-04	5.10E-06
1526	437934	3726196	8.54E-04	3.81E-05	1.78E-04	9.64E-06	9.16E-04	4.57E-05	1.08E-04	5.10E-06
1527	437920.6	3726202	8.42E-04	3.79E-05	1.75E-04	9.61E-06	9.03E-04	4.55E-05	1.06E-04	5.09E-06
1528	437907.2	3726209	8.24E-04	3.74E-05	1.72E-04	9.50E-06	8.84E-04	4.50E-05	1.04E-04	5.04E-06
1529	437893.9	3726216	8.06E-04	3.68E-05	1.68E-04	9.38E-06	8.64E-04	4.44E-05	1.02E-04	4.97E-06
1530	437616.2	3726220	5.58E-04	2.83E-05	1.17E-04	7.37E-06	5.99E-04	3.49E-05	7.21E-05	3.94E-06
1531	437601.9	3726215	5.48E-04	2.79E-05	1.15E-04	7.28E-06	5.89E-04	3.45E-05	7.09E-05	3.89E-06
1532	437587.7	3726211	5.39E-04	2.75E-05	1.13E-04	7.18E-06	5.79E-04	3.41E-05	6.98E-05	3.84E-06
1533	437573.4	3726206	5.30E-04	2.71E-05	1.11E-04	7.10E-06	5.70E-04	3.36E-05	6.87E-05	3.80E-06
1534	437559.2	3726201	5.21E-04	2.68E-05	1.10E-04	7.00E-06	5.60E-04	3.32E-05	6.76E-05	3.75E-06
1535	438360.2	3725975	8.00E-04	2.61E-05	1.64E-04	6.04E-06	8.56E-04	2.85E-05	9.68E-05	3.09E-06
1536	438370	3725964	7.90E-04	2.57E-05	1.62E-04	5.92E-06	8.46E-04	2.80E-05	9.56E-05	3.02E-06
1537	438379	3726010	7.52E-04	2.47E-05	1.54E-04	5.73E-06	8.05E-04	2.71E-05	9.11E-05	2.93E-06
1538	438365.7	3726017	7.68E-04	2.54E-05	1.57E-04	5.89E-06	8.22E-04	2.79E-05	9.31E-05	3.02E-06
1539	438352.3	3726024	7.84E-04	2.61E-05	1.61E-04	6.07E-06	8.39E-04	2.87E-05	9.52E-05	3.11E-06
1540	438338.9	3726031	8.00E-04	2.68E-05	1.64E-04	6.24E-06	8.57E-04	2.95E-05	9.72E-05	3.20E-06
1541	438325.5	3726038	8.16E-04	2.75E-05	1.67E-04	6.42E-06	8.74E-04	3.04E-05	9.92E-05	3.30E-06
1542	438312.1	3726044	8.31E-04	2.82E-05	1.70E-04	6.59E-06	8.89E-04	3.12E-05	1.01E-04	3.39E-06
1543	438298.7	3726051	8.42E-04	2.88E-05	1.73E-04	6.75E-06	9.01E-04	3.19E-05	1.02E-04	3.47E-06
1544	438124.7	3726140	8.89E-04	3.43E-05	1.83E-04	8.35E-06	9.52E-04	3.95E-05	1.10E-04	4.36E-06
1545	438111.3	3726147	8.82E-04	3.44E-05	1.82E-04	8.41E-06	9.45E-04	3.98E-05	1.09E-04	4.39E-06
1546	438097.9	3726154	8.75E-04	3.45E-05	1.81E-04	8.45E-06	9.37E-04	4.00E-05	1.08E-04	4.42E-06
1547	438084.5	3726160	8.66E-04	3.45E-05	1.79E-04	8.48E-06	9.28E-04	4.02E-05	1.07E-04	4.44E-06
1548	438071.1	3726167	8.58E-04	3.45E-05	1.77E-04	8.51E-06	9.19E-04	4.03E-05	1.07E-04	4.46E-06
1549	438057.7	3726174	8.47E-04	3.44E-05	1.75E-04	8.52E-06	9.07E-04	4.03E-05	1.05E-04	4.47E-06
1550	438044.3	3726181	8.36E-04	3.44E-05	1.73E-04	8.53E-06	8.96E-04	4.04E-05	1.04E-04	4.48E-06
1551	438030.9	3726188	8.30E-04	3.45E-05	1.72E-04	8.58E-06	8.89E-04	4.06E-05	1.04E-04	4.51E-06
1552	438017.6	3726195	8.25E-04	3.47E-05	1.71E-04	8.64E-06	8.84E-04	4.09E-05	1.03E-04	4.55E-06
1553	438004.2	3726201	8.20E-04	3.48E-05	1.70E-04	8.70E-06	8.79E-04	4.12E-05	1.03E-04	4.58E-06
1554	437990.8	3726208	8.14E-04	3.49E-05	1.69E-04	8.75E-06	8.73E-04	4.14E-05	1.02E-04	4.61E-06
1555	437977.4	3726215	8.08E-04	3.50E-05	1.68E-04	8.79E-06	8.66E-04	4.16E-05	1.02E-04	4.64E-06
1556	437964	3726222	8.00E-04	3.49E-05	1.66E-04	8.80E-06	8.57E-04	4.17E-05	1.01E-04	4.65E-06
1557	437950.6	3726229	7.90E-04	3.48E-05	1.64E-04	8.80E-06	8.47E-04	4.17E-05	9.96E-05	4.65E-06
1558	437937.2	3726235	7.79E-04	3.46E-05	1.62E-04	8.76E-06	8.35E-04	4.15E-05	9.83E-05	4.64E-06
1559	437923.8	3726242	7.67E-04	3.44E-05	1.59E-04	8.71E-06	8.22E-04	4.13E-05	9.69E-05	4.61E-06
1560	437776.1	3726312	5.79E-04	2.73E-05	1.21E-04	7.02E-06	6.22E-04	3.33E-05	7.39E-05	3.73E-06
1561	437761.9	3726307	5.77E-04	2.74E-05	1.20E-04	7.04E-06	6.19E-04	3.34E-05	7.37E-05	3.75E-06
1562	437747.6	3726302	5.74E-04	2.74E-05	1.20E-04	7.05E-06	6.16E-04	3.34E-05	7.34E-05	3.76E-06
1563	437733.3	3726298	5.70E-04	2.74E-05	1.19E-04	7.05E-06	6.12E-04	3.34E-05	7.29E-05	3.76E-06
1564	437604.8	3726255	5.10E-04	2.55E-05	1.07E-04	6.63E-06	5.48E-04	3.14E-05	6.58E-05	3.54E-06

1565	438409.5	3726036	7.02E-04	2.31E-05	1.44E-04	5.36E-06	7.52E-04	2.54E-05	8.52E-05	2.75E-06
1566	438396.1	3726043	7.17E-04	2.37E-05	1.47E-04	5.51E-06	7.67E-04	2.61E-05	8.70E-05	2.82E-06
1567	438382.7	3726050	7.31E-04	2.43E-05	1.50E-04	5.66E-06	7.82E-04	2.68E-05	8.87E-05	2.90E-06
1568	438369.3	3726057	7.43E-04	2.49E-05	1.52E-04	5.80E-06	7.95E-04	2.74E-05	9.02E-05	2.97E-06
1569	438355.9	3726064	7.56E-04	2.55E-05	1.55E-04	5.95E-06	8.09E-04	2.81E-05	9.19E-05	3.05E-06
1570	438342.5	3726070	7.69E-04	2.61E-05	1.58E-04	6.10E-06	8.23E-04	2.89E-05	9.35E-05	3.14E-06
1571	438329.1	3726077	7.80E-04	2.66E-05	1.60E-04	6.24E-06	8.35E-04	2.95E-05	9.49E-05	3.21E-06
1572	438315.7	3726084	7.90E-04	2.71E-05	1.62E-04	6.38E-06	8.45E-04	3.02E-05	9.62E-05	3.28E-06
1573	438302.3	3726091	7.99E-04	2.77E-05	1.64E-04	6.52E-06	8.55E-04	3.08E-05	9.74E-05	3.36E-06
1574	438288.9	3726098	8.08E-04	2.82E-05	1.66E-04	6.66E-06	8.64E-04	3.15E-05	9.85E-05	3.43E-06
1575	438275.5	3726105	8.15E-04	2.87E-05	1.67E-04	6.79E-06	8.72E-04	3.21E-05	9.95E-05	3.50E-06
1576	438262.1	3726111	8.21E-04	2.91E-05	1.69E-04	6.92E-06	8.79E-04	3.27E-05	1.00E-04	3.57E-06
1577	438248.7	3726118	8.26E-04	2.95E-05	1.70E-04	7.04E-06	8.84E-04	3.33E-05	1.01E-04	3.64E-06
1578	438235.3	3726125	8.30E-04	3.00E-05	1.71E-04	7.15E-06	8.89E-04	3.38E-05	1.02E-04	3.70E-06
1579	438128.1	3726180	8.17E-04	3.18E-05	1.69E-04	7.77E-06	8.75E-04	3.68E-05	1.01E-04	4.06E-06
1580	438114.7	3726187	8.11E-04	3.19E-05	1.68E-04	7.81E-06	8.69E-04	3.70E-05	1.01E-04	4.09E-06
1581	438101.3	3726193	8.06E-04	3.20E-05	1.67E-04	7.86E-06	8.63E-04	3.72E-05	1.00E-04	4.12E-06
1582	438087.9	3726200	7.97E-04	3.20E-05	1.65E-04	7.87E-06	8.54E-04	3.73E-05	9.90E-05	4.13E-06
1583	438074.5	3726207	7.87E-04	3.19E-05	1.63E-04	7.88E-06	8.44E-04	3.73E-05	9.80E-05	4.13E-06
1584	438061.1	3726214	7.80E-04	3.19E-05	1.61E-04	7.90E-06	8.36E-04	3.74E-05	9.72E-05	4.15E-06
1585	438047.7	3726221	7.73E-04	3.20E-05	1.60E-04	7.94E-06	8.29E-04	3.76E-05	9.65E-05	4.17E-06
1586	438034.3	3726227	7.68E-04	3.20E-05	1.59E-04	7.97E-06	8.23E-04	3.78E-05	9.60E-05	4.20E-06
1587	438020.9	3726234	7.62E-04	3.21E-05	1.58E-04	8.01E-06	8.16E-04	3.79E-05	9.53E-05	4.22E-06
1588	438007.5	3726241	7.55E-04	3.21E-05	1.57E-04	8.03E-06	8.10E-04	3.81E-05	9.47E-05	4.23E-06
1589	437994.1	3726248	7.49E-04	3.21E-05	1.55E-04	8.06E-06	8.03E-04	3.82E-05	9.40E-05	4.25E-06
1590	437980.7	3726255	7.42E-04	3.21E-05	1.54E-04	8.07E-06	7.95E-04	3.82E-05	9.32E-05	4.26E-06
1591	437967.3	3726262	7.33E-04	3.20E-05	1.52E-04	8.06E-06	7.86E-04	3.82E-05	9.23E-05	4.26E-06
1592	437953.9	3726268	7.23E-04	3.18E-05	1.50E-04	8.03E-06	7.76E-04	3.80E-05	9.12E-05	4.24E-06
1593	437940.5	3726275	7.12E-04	3.15E-05	1.48E-04	7.97E-06	7.63E-04	3.78E-05	8.98E-05	4.22E-06
1594	437927.1	3726282	6.99E-04	3.12E-05	1.45E-04	7.90E-06	7.50E-04	3.74E-05	8.83E-05	4.18E-06
1595	437913.7	3726289	6.84E-04	3.07E-05	1.42E-04	7.79E-06	7.34E-04	3.69E-05	8.65E-05	4.13E-06
1596	437873.4	3726309	6.34E-04	2.89E-05	1.32E-04	7.36E-06	6.80E-04	3.49E-05	8.04E-05	3.90E-06
1597	437860	3726316	6.18E-04	2.83E-05	1.29E-04	7.20E-06	6.63E-04	3.41E-05	7.84E-05	3.82E-06
1598	437846.6	3726323	6.03E-04	2.77E-05	1.26E-04	7.07E-06	6.47E-04	3.35E-05	7.66E-05	3.75E-06
1599	437806.4	3726344	5.56E-04	2.58E-05	1.16E-04	6.59E-06	5.96E-04	3.12E-05	7.07E-05	3.50E-06
1600	437793	3726350	5.41E-04	2.51E-05	1.13E-04	6.43E-06	5.80E-04	3.05E-05	6.89E-05	3.42E-06
1601	437779.2	3726351	5.32E-04	2.48E-05	1.11E-04	6.36E-06	5.71E-04	3.01E-05	6.78E-05	3.38E-06
1602	437764.9	3726347	5.28E-04	2.48E-05	1.10E-04	6.35E-06	5.67E-04	3.01E-05	6.74E-05	3.38E-06
1603	437750.6	3726342	5.25E-04	2.47E-05	1.10E-04	6.35E-06	5.64E-04	3.01E-05	6.70E-05	3.38E-06
1604	437736.3	3726337	5.21E-04	2.47E-05	1.09E-04	6.34E-06	5.60E-04	3.01E-05	6.66E-05	3.38E-06
1605	437722	3726333	5.17E-04	2.46E-05	1.08E-04	6.33E-06	5.55E-04	3.00E-05	6.61E-05	3.37E-06
1606	437707.7	3726328	5.12E-04	2.45E-05	1.07E-04	6.30E-06	5.50E-04	2.99E-05	6.55E-05	3.36E-06
1607	437693.5	3726323	5.06E-04	2.43E-05	1.06E-04	6.27E-06	5.44E-04	2.97E-05	6.49E-05	3.34E-06
1608	438421.1	3726027	6.91E-04	2.27E-05	1.42E-04	5.24E-06	7.40E-04	2.48E-05	8.38E-05	2.68E-06
1609	438431	3726016	6.84E-04	2.23E-05	1.40E-04	5.16E-06	7.32E-04	2.44E-05	8.29E-05	2.64E-06
1610	437863.2	3726356	5.70E-04	2.59E-05	1.19E-04	6.58E-06	6.12E-04	3.12E-05	7.23E-05	3.49E-06
1611	437849.8	3726363	5.56E-04	2.53E-05	1.16E-04	6.45E-06	5.96E-04	3.05E-05	7.05E-05	3.42E-06
1612	437836.4	3726370	5.42E-04	2.48E-05	1.13E-04	6.31E-06	5.82E-04	2.99E-05	6.89E-05	3.35E-06
1613	437822.9	3726377	5.29E-04	2.42E-05	1.10E-04	6.18E-06	5.68E-04	2.93E-05	6.73E-05	3.28E-06
1614	437809.5	3726383	5.17E-04	2.37E-05	1.08E-04	6.06E-06	5.55E-04	2.87E-05	6.58E-05	3.22E-06
1615	437796.1	3726390	5.06E-04	2.33E-05	1.06E-04	5.94E-06	5.43E-04	2.82E-05	6.44E-05	3.16E-06
1616	437782.3	3726391	4.98E-04	2.30E-05	1.04E-04	5.88E-06	5.35E-04	2.79E-05	6.34E-05	3.12E-06
1617	437768	3726387	4.95E-04	2.29E-05	1.03E-04	5.87E-06	5.31E-04	2.78E-05	6.30E-05	3.12E-06
1618	437753.7	3726382	4.90E-04	2.28E-05	1.02E-04	5.84E-06	5.26E-04	2.77E-05	6.24E-05	3.10E-06
1619	437739.4	3726377	4.84E-04	2.26E-05	1.01E-04	5.81E-06	5.20E-04	2.75E-05	6.18E-05	3.09E-06
1620	437725.1	3726373	4.79E-04	2.25E-05	1.00E-04	5.77E-06	5.14E-04	2.73E-05	6.11E-05	3.07E-06

1621	437710.8	3726368	4.74E-04	2.23E-05	9.90E-05	5.73E-06	5.08E-04	2.72E-05	6.05E-05	3.05E-06
1622	437696.4	3726363	4.68E-04	2.22E-05	9.79E-05	5.70E-06	5.03E-04	2.70E-05	5.99E-05	3.03E-06
1623	437682.1	3726358	4.63E-04	2.20E-05	9.68E-05	5.66E-06	4.97E-04	2.68E-05	5.92E-05	3.01E-06
1624	437667.8	3726354	4.60E-04	2.19E-05	9.62E-05	5.65E-06	4.94E-04	2.68E-05	5.89E-05	3.01E-06
1625	438461.4	3726041	6.40E-04	2.09E-05	1.31E-04	4.84E-06	6.85E-04	2.29E-05	7.76E-05	2.47E-06
1626	437799.2	3726430	4.75E-04	2.16E-05	9.90E-05	5.52E-06	5.09E-04	2.61E-05	6.03E-05	2.93E-06
1627	437785.3	3726431	4.69E-04	2.15E-05	9.79E-05	5.48E-06	5.04E-04	2.59E-05	5.97E-05	2.91E-06
1628	437771	3726427	4.68E-04	2.15E-05	9.76E-05	5.49E-06	5.02E-04	2.60E-05	5.95E-05	2.91E-06
1629	437756.7	3726422	4.63E-04	2.13E-05	9.66E-05	5.46E-06	4.97E-04	2.59E-05	5.89E-05	2.90E-06
1630	437742.4	3726417	4.57E-04	2.12E-05	9.55E-05	5.42E-06	4.91E-04	2.57E-05	5.83E-05	2.88E-06
1631	437728.1	3726412	4.52E-04	2.10E-05	9.44E-05	5.38E-06	4.85E-04	2.55E-05	5.76E-05	2.86E-06
1632	437713.8	3726408	4.47E-04	2.08E-05	9.33E-05	5.34E-06	4.80E-04	2.53E-05	5.70E-05	2.84E-06
1633	437699.4	3726403	4.42E-04	2.07E-05	9.23E-05	5.30E-06	4.74E-04	2.51E-05	5.64E-05	2.82E-06
1634	437685.1	3726398	4.37E-04	2.05E-05	9.12E-05	5.26E-06	4.69E-04	2.49E-05	5.58E-05	2.80E-06
1635	437670.8	3726394	4.33E-04	2.04E-05	9.04E-05	5.24E-06	4.64E-04	2.48E-05	5.53E-05	2.79E-06
1636	437656.5	3726389	4.30E-04	2.03E-05	8.99E-05	5.23E-06	4.62E-04	2.48E-05	5.50E-05	2.78E-06
1637	437642.2	3726384	4.28E-04	2.03E-05	8.94E-05	5.23E-06	4.59E-04	2.48E-05	5.48E-05	2.78E-06
1638	437627.9	3726380	4.26E-04	2.03E-05	8.91E-05	5.23E-06	4.57E-04	2.48E-05	5.46E-05	2.79E-06
1639	437912.1	3725196	7.79E-03	1.55E-04	1.56E-03	2.70E-05	8.31E-03	1.27E-04	8.91E-04	1.20E-05
1640	437925.1	3725181	6.75E-03	1.36E-04	1.36E-03	2.40E-05	7.20E-03	1.13E-04	7.75E-04	1.08E-05
1641	437944.6	3725158	5.50E-03	1.12E-04	1.11E-03	2.03E-05	5.87E-03	9.53E-05	6.34E-04	9.20E-06
1642	438044.9	3725105	2.82E-03	6.28E-05	5.70E-04	1.21E-05	3.01E-03	5.70E-05	3.29E-04	5.71E-06
1643	438051.5	3725118	2.87E-03	6.45E-05	5.81E-04	1.25E-05	3.07E-03	5.88E-05	3.35E-04	5.89E-06
1644	438058.2	3725131	2.92E-03	6.60E-05	5.89E-04	1.28E-05	3.11E-03	6.04E-05	3.40E-04	6.06E-06
1645	438064.5	3725082	2.41E-03	5.43E-05	4.87E-04	1.06E-05	2.57E-03	4.99E-05	2.82E-04	5.02E-06
1646	438071.1	3725095	2.46E-03	5.59E-05	4.98E-04	1.09E-05	2.63E-03	5.15E-05	2.88E-04	5.19E-06
1647	438077.8	3725108	2.51E-03	5.74E-05	5.08E-04	1.13E-05	2.68E-03	5.30E-05	2.93E-04	5.35E-06
1648	438084.4	3725121	2.54E-03	5.87E-05	5.15E-04	1.15E-05	2.72E-03	5.44E-05	2.97E-04	5.49E-06
1649	438117.6	3725186	2.58E-03	6.24E-05	5.22E-04	1.25E-05	2.76E-03	5.91E-05	3.02E-04	6.02E-06
1650	438124.2	3725199	2.56E-03	6.25E-05	5.18E-04	1.26E-05	2.73E-03	5.95E-05	2.99E-04	6.08E-06
1651	438084.1	3725059	2.08E-03	4.74E-05	4.21E-04	9.35E-06	2.22E-03	4.40E-05	2.44E-04	4.45E-06
1652	438090.7	3725072	2.13E-03	4.89E-05	4.31E-04	9.65E-06	2.27E-03	4.55E-05	2.50E-04	4.60E-06
1653	438097.4	3725085	2.17E-03	5.03E-05	4.40E-04	9.95E-06	2.32E-03	4.69E-05	2.55E-04	4.75E-06
1654	438104	3725098	2.21E-03	5.14E-05	4.47E-04	1.02E-05	2.36E-03	4.81E-05	2.59E-04	4.87E-06
1655	438130.7	3725151	2.27E-03	5.48E-05	4.60E-04	1.10E-05	2.43E-03	5.19E-05	2.66E-04	5.30E-06
1656	438137.3	3725164	2.27E-03	5.53E-05	4.60E-04	1.12E-05	2.43E-03	5.27E-05	2.66E-04	5.38E-06
1657	438144	3725177	2.27E-03	5.57E-05	4.59E-04	1.13E-05	2.42E-03	5.33E-05	2.66E-04	5.45E-06
1658	438150.6	3725190	2.25E-03	5.57E-05	4.55E-04	1.14E-05	2.40E-03	5.36E-05	2.63E-04	5.50E-06
1659	438157.3	3725203	2.22E-03	5.57E-05	4.50E-04	1.14E-05	2.37E-03	5.38E-05	2.61E-04	5.53E-06
1660	438163.9	3725216	2.19E-03	5.53E-05	4.43E-04	1.14E-05	2.33E-03	5.37E-05	2.56E-04	5.54E-06
1661	438117	3725063	1.89E-03	4.42E-05	3.83E-04	8.83E-06	2.02E-03	4.16E-05	2.22E-04	4.23E-06
1662	438123.7	3725076	1.93E-03	4.53E-05	3.90E-04	9.07E-06	2.06E-03	4.27E-05	2.26E-04	4.35E-06
1663	438150.3	3725128	2.00E-03	4.86E-05	4.06E-04	9.85E-06	2.14E-03	4.64E-05	2.35E-04	4.75E-06
1664	438157	3725141	2.00E-03	4.91E-05	4.06E-04	9.97E-06	2.14E-03	4.70E-05	2.35E-04	4.82E-06
1665	438163.7	3725155	2.00E-03	4.95E-05	4.06E-04	1.01E-05	2.14E-03	4.76E-05	2.35E-04	4.89E-06
1666	438170.3	3725168	2.00E-03	4.98E-05	4.05E-04	1.02E-05	2.13E-03	4.81E-05	2.35E-04	4.95E-06
1667	438177	3725181	1.99E-03	5.00E-05	4.02E-04	1.03E-05	2.12E-03	4.85E-05	2.33E-04	5.00E-06
1668	438183.7	3725194	1.96E-03	4.99E-05	3.98E-04	1.03E-05	2.10E-03	4.87E-05	2.31E-04	5.03E-06
1669	438190.3	3725207	1.94E-03	4.98E-05	3.93E-04	1.03E-05	2.07E-03	4.87E-05	2.28E-04	5.04E-06
1670	438190	3725145	1.79E-03	4.48E-05	3.63E-04	9.23E-06	1.91E-03	4.35E-05	2.10E-04	4.48E-06
1671	438196.7	3725158	1.78E-03	4.50E-05	3.61E-04	9.29E-06	1.90E-03	4.38E-05	2.09E-04	4.53E-06
1672	438203.4	3725172	1.76E-03	4.50E-05	3.57E-04	9.33E-06	1.88E-03	4.40E-05	2.07E-04	4.55E-06
1673	438210.1	3725185	1.74E-03	4.49E-05	3.53E-04	9.35E-06	1.86E-03	4.41E-05	2.05E-04	4.57E-06
1674	438243.5	3725251	1.61E-03	4.35E-05	3.27E-04	9.25E-06	1.72E-03	4.36E-05	1.90E-04	4.56E-06
1675	438250.1	3725264	1.58E-03	4.30E-05	3.21E-04	9.18E-06	1.69E-03	4.33E-05	1.87E-04	4.54E-06
1676	438261	3725224	1.48E-03	4.00E-05	3.01E-04	8.51E-06	1.58E-03	4.01E-05	1.75E-04	4.20E-06

1677	438267.6	3725237	1.46E-03	3.96E-05	2.96E-04	8.45E-06	1.56E-03	3.99E-05	1.72E-04	4.18E-06
1678	438274.2	3725250	1.43E-03	3.92E-05	2.91E-04	8.41E-06	1.53E-03	3.97E-05	1.70E-04	4.17E-06
1679	438280.8	3725263	1.41E-03	3.89E-05	2.86E-04	8.37E-06	1.50E-03	3.95E-05	1.67E-04	4.15E-06
1680	438287.4	3725276	1.38E-03	3.84E-05	2.81E-04	8.30E-06	1.47E-03	3.92E-05	1.64E-04	4.12E-06
1681	438294	3725289	1.36E-03	3.80E-05	2.76E-04	8.23E-06	1.45E-03	3.89E-05	1.61E-04	4.10E-06
1682	438155.4	3724934	1.03E-03	2.46E-05	2.10E-04	5.07E-06	1.10E-03	2.39E-05	1.23E-04	2.46E-06
1683	438175.2	3724973	1.17E-03	2.83E-05	2.38E-04	5.81E-06	1.25E-03	2.74E-05	1.39E-04	2.82E-06
1684	438181.8	3724986	1.22E-03	2.96E-05	2.48E-04	6.07E-06	1.30E-03	2.86E-05	1.45E-04	2.95E-06
1685	438188.4	3724999	1.27E-03	3.08E-05	2.57E-04	6.32E-06	1.35E-03	2.98E-05	1.50E-04	3.07E-06
1686	438195	3725012	1.29E-03	3.17E-05	2.63E-04	6.50E-06	1.38E-03	3.07E-05	1.53E-04	3.16E-06
1687	438201.6	3725025	1.32E-03	3.25E-05	2.68E-04	6.68E-06	1.41E-03	3.15E-05	1.56E-04	3.24E-06
1688	438208.2	3725038	1.34E-03	3.32E-05	2.73E-04	6.83E-06	1.43E-03	3.22E-05	1.59E-04	3.32E-06
1689	438214.9	3725051	1.36E-03	3.38E-05	2.76E-04	6.97E-06	1.45E-03	3.29E-05	1.61E-04	3.39E-06
1690	438307.3	3725233	1.25E-03	3.45E-05	2.53E-04	7.44E-06	1.33E-03	3.51E-05	1.48E-04	3.70E-06
1691	438313.9	3725246	1.22E-03	3.41E-05	2.49E-04	7.39E-06	1.31E-03	3.49E-05	1.45E-04	3.68E-06
1692	438360.2	3725337	1.10E-03	3.20E-05	2.23E-04	7.05E-06	1.17E-03	3.33E-05	1.31E-04	3.54E-06
1693	438366.8	3725350	1.08E-03	3.16E-05	2.20E-04	6.99E-06	1.15E-03	3.30E-05	1.29E-04	3.51E-06
1694	438146.5	3724923	1.01E-03	2.40E-05	2.05E-04	4.94E-06	1.08E-03	2.33E-05	1.20E-04	2.40E-06
1695	438221.2	3724982	1.10E-03	2.72E-05	2.23E-04	5.63E-06	1.17E-03	2.65E-05	1.30E-04	2.75E-06
1696	438227.8	3724995	1.13E-03	2.81E-05	2.30E-04	5.83E-06	1.21E-03	2.75E-05	1.34E-04	2.85E-06
1697	438234.4	3725008	1.15E-03	2.88E-05	2.34E-04	5.97E-06	1.23E-03	2.82E-05	1.36E-04	2.92E-06
1698	438241.1	3725021	1.17E-03	2.94E-05	2.38E-04	6.12E-06	1.25E-03	2.89E-05	1.39E-04	2.99E-06
1699	438247.7	3725034	1.19E-03	3.00E-05	2.41E-04	6.25E-06	1.27E-03	2.95E-05	1.41E-04	3.05E-06
1700	438254.3	3725047	1.20E-03	3.05E-05	2.44E-04	6.37E-06	1.28E-03	3.00E-05	1.42E-04	3.12E-06
1701	438260.9	3725060	1.21E-03	3.10E-05	2.47E-04	6.49E-06	1.30E-03	3.06E-05	1.44E-04	3.18E-06
1702	438280.8	3725099	1.23E-03	3.21E-05	2.50E-04	6.76E-06	1.32E-03	3.19E-05	1.46E-04	3.32E-06
1703	438287.4	3725113	1.23E-03	3.23E-05	2.50E-04	6.82E-06	1.31E-03	3.22E-05	1.45E-04	3.36E-06
1704	438294	3725126	1.22E-03	3.23E-05	2.48E-04	6.85E-06	1.31E-03	3.23E-05	1.45E-04	3.38E-06
1705	438386.7	3725308	9.81E-04	2.87E-05	2.00E-04	6.34E-06	1.05E-03	2.99E-05	1.17E-04	3.18E-06
1706	438393.4	3725321	9.73E-04	2.86E-05	1.98E-04	6.33E-06	1.04E-03	2.99E-05	1.16E-04	3.18E-06
1707	438400	3725334	9.63E-04	2.84E-05	1.96E-04	6.30E-06	1.03E-03	2.98E-05	1.15E-04	3.17E-06
1708	438406.6	3725347	9.49E-04	2.81E-05	1.93E-04	6.25E-06	1.01E-03	2.95E-05	1.13E-04	3.15E-06
1709	438411	3725367	9.40E-04	2.80E-05	1.92E-04	6.24E-06	1.01E-03	2.95E-05	1.12E-04	3.15E-06
1710	438406.5	3725381	9.55E-04	2.85E-05	1.95E-04	6.35E-06	1.02E-03	3.00E-05	1.14E-04	3.20E-06
1711	438172.6	3724893	8.65E-04	2.10E-05	1.76E-04	4.36E-06	9.25E-04	2.05E-05	1.04E-04	2.13E-06
1712	438267.3	3724991	9.94E-04	2.53E-05	2.02E-04	5.30E-06	1.06E-03	2.50E-05	1.18E-04	2.60E-06
1713	438273.9	3725004	1.01E-03	2.59E-05	2.06E-04	5.44E-06	1.08E-03	2.57E-05	1.21E-04	2.67E-06
1714	438280.5	3725017	1.03E-03	2.65E-05	2.10E-04	5.57E-06	1.10E-03	2.63E-05	1.23E-04	2.73E-06
1715	438287.2	3725030	1.05E-03	2.71E-05	2.14E-04	5.70E-06	1.12E-03	2.69E-05	1.25E-04	2.80E-06
1716	438293.8	3725043	1.07E-03	2.76E-05	2.17E-04	5.83E-06	1.14E-03	2.75E-05	1.26E-04	2.87E-06
1717	438307.1	3725070	1.09E-03	2.85E-05	2.21E-04	6.03E-06	1.16E-03	2.85E-05	1.29E-04	2.97E-06
1718	438313.7	3725083	1.09E-03	2.88E-05	2.21E-04	6.10E-06	1.16E-03	2.88E-05	1.29E-04	3.01E-06
1719	438320.4	3725096	1.09E-03	2.89E-05	2.21E-04	6.15E-06	1.16E-03	2.90E-05	1.29E-04	3.04E-06
1720	438327	3725109	1.08E-03	2.90E-05	2.20E-04	6.18E-06	1.16E-03	2.92E-05	1.28E-04	3.06E-06
1721	438333.6	3725122	1.07E-03	2.90E-05	2.19E-04	6.20E-06	1.15E-03	2.93E-05	1.28E-04	3.07E-06
1722	438340.3	3725135	1.06E-03	2.89E-05	2.17E-04	6.21E-06	1.14E-03	2.93E-05	1.26E-04	3.08E-06
1723	438346.9	3725148	1.05E-03	2.88E-05	2.14E-04	6.21E-06	1.13E-03	2.93E-05	1.25E-04	3.08E-06
1724	438353.6	3725161	1.04E-03	2.87E-05	2.12E-04	6.19E-06	1.11E-03	2.92E-05	1.24E-04	3.08E-06
1725	438360.2	3725174	1.03E-03	2.85E-05	2.09E-04	6.17E-06	1.10E-03	2.91E-05	1.22E-04	3.07E-06
1726	438366.8	3725187	1.01E-03	2.83E-05	2.06E-04	6.14E-06	1.08E-03	2.90E-05	1.20E-04	3.06E-06
1727	438450.9	3725364	8.37E-04	2.52E-05	1.71E-04	5.63E-06	8.95E-04	2.66E-05	1.00E-04	2.84E-06
1728	438446.3	3725378	8.48E-04	2.56E-05	1.73E-04	5.72E-06	9.07E-04	2.70E-05	1.02E-04	2.89E-06
1729	438441.8	3725392	8.59E-04	2.59E-05	1.75E-04	5.81E-06	9.18E-04	2.74E-05	1.03E-04	2.93E-06
1730	438437.3	3725406	8.68E-04	2.62E-05	1.77E-04	5.88E-06	9.28E-04	2.78E-05	1.04E-04	2.97E-06
1731	438432.8	3725420	8.78E-04	2.66E-05	1.79E-04	5.96E-06	9.38E-04	2.82E-05	1.05E-04	3.01E-06
1732	438340	3725053	9.63E-04	2.56E-05	1.96E-04	5.46E-06	1.03E-03	2.58E-05	1.14E-04	2.70E-06

1733	438346.7	3725066	9.66E-04	2.58E-05	1.97E-04	5.52E-06	1.03E-03	2.61E-05	1.15E-04	2.73E-06
1734	438353.3	3725079	9.67E-04	2.60E-05	1.97E-04	5.57E-06	1.03E-03	2.63E-05	1.15E-04	2.76E-06
1735	438360	3725092	9.65E-04	2.61E-05	1.96E-04	5.61E-06	1.03E-03	2.65E-05	1.15E-04	2.78E-06
1736	438366.6	3725105	9.60E-04	2.62E-05	1.95E-04	5.63E-06	1.03E-03	2.66E-05	1.14E-04	2.79E-06
1737	438373.3	3725118	9.55E-04	2.62E-05	1.94E-04	5.65E-06	1.02E-03	2.67E-05	1.14E-04	2.81E-06
1738	438379.9	3725131	9.46E-04	2.61E-05	1.93E-04	5.66E-06	1.01E-03	2.67E-05	1.13E-04	2.81E-06
1739	438386.6	3725144	9.38E-04	2.61E-05	1.91E-04	5.66E-06	1.00E-03	2.67E-05	1.12E-04	2.82E-06
1740	438393.2	3725158	9.26E-04	2.59E-05	1.89E-04	5.64E-06	9.90E-04	2.66E-05	1.10E-04	2.81E-06
1741	438399.9	3725171	9.14E-04	2.58E-05	1.86E-04	5.62E-06	9.77E-04	2.65E-05	1.09E-04	2.80E-06
1742	438406.5	3725184	9.01E-04	2.56E-05	1.83E-04	5.59E-06	9.63E-04	2.64E-05	1.07E-04	2.79E-06
1743	438413.2	3725197	8.87E-04	2.53E-05	1.81E-04	5.55E-06	9.48E-04	2.62E-05	1.06E-04	2.78E-06
1744	438419.8	3725210	8.72E-04	2.51E-05	1.78E-04	5.51E-06	9.33E-04	2.60E-05	1.04E-04	2.76E-06
1745	438426.5	3725223	8.58E-04	2.48E-05	1.75E-04	5.47E-06	9.17E-04	2.58E-05	1.02E-04	2.74E-06
1746	438433.1	3725236	8.43E-04	2.45E-05	1.72E-04	5.42E-06	9.02E-04	2.56E-05	1.01E-04	2.72E-06
1747	438439.8	3725249	8.26E-04	2.42E-05	1.68E-04	5.36E-06	8.83E-04	2.53E-05	9.88E-05	2.69E-06
1748	438446.4	3725262	8.08E-04	2.38E-05	1.65E-04	5.28E-06	8.64E-04	2.50E-05	9.67E-05	2.66E-06
1749	438477.1	3725403	7.78E-04	2.37E-05	1.59E-04	5.33E-06	8.32E-04	2.52E-05	9.34E-05	2.70E-06
1750	438472.6	3725417	7.86E-04	2.40E-05	1.60E-04	5.40E-06	8.40E-04	2.55E-05	9.43E-05	2.73E-06
1751	438468.1	3725431	7.93E-04	2.42E-05	1.62E-04	5.46E-06	8.48E-04	2.58E-05	9.52E-05	2.76E-06
1752	438463.5	3725445	7.99E-04	2.45E-05	1.63E-04	5.51E-06	8.55E-04	2.60E-05	9.60E-05	2.79E-06
1753	438379.6	3725049	8.62E-04	2.33E-05	1.76E-04	5.01E-06	9.21E-04	2.37E-05	1.03E-04	2.49E-06
1754	438386.3	3725062	8.63E-04	2.35E-05	1.76E-04	5.06E-06	9.23E-04	2.39E-05	1.03E-04	2.51E-06
1755	438392.9	3725075	8.63E-04	2.36E-05	1.76E-04	5.10E-06	9.22E-04	2.41E-05	1.03E-04	2.53E-06
1756	438399.6	3725088	8.60E-04	2.37E-05	1.75E-04	5.12E-06	9.19E-04	2.42E-05	1.02E-04	2.55E-06
1757	438406.3	3725102	8.56E-04	2.37E-05	1.74E-04	5.15E-06	9.15E-04	2.43E-05	1.02E-04	2.56E-06
1758	438412.9	3725115	8.52E-04	2.37E-05	1.74E-04	5.16E-06	9.10E-04	2.44E-05	1.02E-04	2.57E-06
1759	438419.6	3725128	8.45E-04	2.37E-05	1.72E-04	5.17E-06	9.03E-04	2.44E-05	1.01E-04	2.58E-06
1760	438426.2	3725141	8.37E-04	2.36E-05	1.71E-04	5.16E-06	8.95E-04	2.44E-05	9.99E-05	2.58E-06
1761	438432.9	3725154	8.28E-04	2.35E-05	1.69E-04	5.15E-06	8.85E-04	2.43E-05	9.88E-05	2.58E-06
1762	438439.6	3725167	8.19E-04	2.34E-05	1.67E-04	5.14E-06	8.75E-04	2.43E-05	9.77E-05	2.57E-06
1763	438446.2	3725180	8.08E-04	2.32E-05	1.65E-04	5.11E-06	8.64E-04	2.42E-05	9.65E-05	2.56E-06
1764	438452.9	3725193	7.96E-04	2.30E-05	1.62E-04	5.08E-06	8.51E-04	2.40E-05	9.52E-05	2.55E-06
1765	438459.6	3725207	7.84E-04	2.28E-05	1.60E-04	5.04E-06	8.38E-04	2.38E-05	9.38E-05	2.53E-06
1766	438466.2	3725220	7.72E-04	2.26E-05	1.57E-04	5.01E-06	8.25E-04	2.37E-05	9.24E-05	2.52E-06
1767	438472.9	3725233	7.57E-04	2.23E-05	1.54E-04	4.95E-06	8.10E-04	2.34E-05	9.07E-05	2.49E-06
1768	438479.6	3725246	7.41E-04	2.19E-05	1.51E-04	4.88E-06	7.92E-04	2.31E-05	8.87E-05	2.46E-06
1769	438486.2	3725259	7.24E-04	2.15E-05	1.48E-04	4.81E-06	7.74E-04	2.27E-05	8.68E-05	2.42E-06
1770	438492.9	3725272	7.11E-04	2.13E-05	1.45E-04	4.76E-06	7.61E-04	2.25E-05	8.53E-05	2.40E-06
1771	438499.5	3725285	7.02E-04	2.11E-05	1.43E-04	4.72E-06	7.51E-04	2.23E-05	8.42E-05	2.39E-06
1772	438506.2	3725298	6.92E-04	2.09E-05	1.41E-04	4.68E-06	7.40E-04	2.21E-05	8.31E-05	2.37E-06
1773	438512.9	3725312	6.84E-04	2.07E-05	1.40E-04	4.66E-06	7.32E-04	2.20E-05	8.22E-05	2.35E-06
1774	438519.5	3725325	6.74E-04	2.05E-05	1.38E-04	4.61E-06	7.21E-04	2.18E-05	8.10E-05	2.33E-06
1775	438526.2	3725338	6.68E-04	2.04E-05	1.36E-04	4.59E-06	7.14E-04	2.17E-05	8.02E-05	2.32E-06
1776	438507.9	3725428	7.14E-04	2.20E-05	1.46E-04	4.96E-06	7.63E-04	2.35E-05	8.58E-05	2.51E-06
1777	438503.4	3725442	7.21E-04	2.22E-05	1.47E-04	5.02E-06	7.71E-04	2.37E-05	8.67E-05	2.54E-06
1778	438498.8	3725456	7.28E-04	2.24E-05	1.49E-04	5.08E-06	7.78E-04	2.40E-05	8.75E-05	2.57E-06
1779	438494.3	3725470	7.34E-04	2.27E-05	1.50E-04	5.13E-06	7.85E-04	2.42E-05	8.83E-05	2.60E-06
1780	438412.5	3725032	7.75E-04	2.12E-05	1.58E-04	4.58E-06	8.29E-04	2.16E-05	9.25E-05	2.28E-06
1781	438419.2	3725045	7.78E-04	2.14E-05	1.59E-04	4.63E-06	8.32E-04	2.19E-05	9.28E-05	2.30E-06
1782	438425.9	3725059	7.79E-04	2.15E-05	1.59E-04	4.67E-06	8.33E-04	2.21E-05	9.30E-05	2.33E-06
1783	438432.6	3725072	7.77E-04	2.16E-05	1.58E-04	4.70E-06	8.31E-04	2.22E-05	9.28E-05	2.34E-06
1784	438439.2	3725085	7.74E-04	2.16E-05	1.58E-04	4.72E-06	8.28E-04	2.23E-05	9.24E-05	2.35E-06
1785	438445.9	3725098	7.70E-04	2.17E-05	1.57E-04	4.73E-06	8.23E-04	2.23E-05	9.20E-05	2.36E-06
1786	438452.6	3725111	7.65E-04	2.16E-05	1.56E-04	4.74E-06	8.18E-04	2.24E-05	9.14E-05	2.37E-06
1787	438459.3	3725124	7.59E-04	2.16E-05	1.55E-04	4.74E-06	8.12E-04	2.24E-05	9.07E-05	2.37E-06
1788	438465.9	3725137	7.53E-04	2.16E-05	1.54E-04	4.74E-06	8.05E-04	2.24E-05	9.00E-05	2.37E-06

1789	438472.6	3725151	7.47E-04	2.15E-05	1.52E-04	4.73E-06	7.98E-04	2.24E-05	8.93E-05	2.37E-06
1790	438479.3	3725164	7.38E-04	2.14E-05	1.51E-04	4.72E-06	7.89E-04	2.23E-05	8.83E-05	2.37E-06
1791	438486	3725177	7.30E-04	2.12E-05	1.49E-04	4.70E-06	7.80E-04	2.22E-05	8.73E-05	2.36E-06
1792	438492.6	3725190	7.23E-04	2.12E-05	1.48E-04	4.69E-06	7.73E-04	2.22E-05	8.66E-05	2.36E-06
1793	438499.3	3725203	7.16E-04	2.11E-05	1.46E-04	4.68E-06	7.66E-04	2.21E-05	8.58E-05	2.35E-06
1794	438506	3725216	7.03E-04	2.08E-05	1.43E-04	4.63E-06	7.52E-04	2.19E-05	8.42E-05	2.33E-06
1795	438512.7	3725229	6.88E-04	2.05E-05	1.41E-04	4.57E-06	7.36E-04	2.16E-05	8.25E-05	2.30E-06
1796	438519.3	3725243	6.75E-04	2.02E-05	1.38E-04	4.51E-06	7.22E-04	2.13E-05	8.10E-05	2.28E-06
1797	438526	3725256	6.64E-04	1.99E-05	1.36E-04	4.46E-06	7.10E-04	2.11E-05	7.97E-05	2.25E-06
1798	438532.7	3725269	6.52E-04	1.97E-05	1.33E-04	4.41E-06	6.97E-04	2.08E-05	7.83E-05	2.23E-06
1799	438539.4	3725282	6.39E-04	1.94E-05	1.30E-04	4.35E-06	6.83E-04	2.06E-05	7.68E-05	2.20E-06
1800	438546	3725295	6.25E-04	1.90E-05	1.28E-04	4.28E-06	6.68E-04	2.02E-05	7.51E-05	2.17E-06
1801	438552.7	3725308	6.17E-04	1.88E-05	1.26E-04	4.25E-06	6.59E-04	2.01E-05	7.42E-05	2.15E-06
1802	438559.4	3725322	6.09E-04	1.87E-05	1.24E-04	4.21E-06	6.51E-04	1.99E-05	7.33E-05	2.14E-06
1803	438566.1	3725335	6.02E-04	1.85E-05	1.23E-04	4.18E-06	6.44E-04	1.98E-05	7.24E-05	2.12E-06
1804	438570.5	3725355	6.00E-04	1.85E-05	1.23E-04	4.19E-06	6.41E-04	1.98E-05	7.22E-05	2.12E-06
1805	438565.9	3725369	6.11E-04	1.89E-05	1.25E-04	4.27E-06	6.53E-04	2.02E-05	7.35E-05	2.17E-06
1806	438561.4	3725383	6.22E-04	1.92E-05	1.27E-04	4.35E-06	6.65E-04	2.06E-05	7.49E-05	2.21E-06
1807	438534.1	3725467	6.66E-04	2.07E-05	1.36E-04	4.69E-06	7.13E-04	2.22E-05	8.02E-05	2.38E-06
1808	438529.6	3725481	6.72E-04	2.09E-05	1.37E-04	4.74E-06	7.19E-04	2.24E-05	8.10E-05	2.41E-06
1809	438525	3725495	6.79E-04	2.11E-05	1.39E-04	4.79E-06	7.27E-04	2.27E-05	8.18E-05	2.43E-06
1810	438520.5	3725509	6.86E-04	2.13E-05	1.40E-04	4.84E-06	7.34E-04	2.29E-05	8.26E-05	2.46E-06
1811	438379.5	3725944	7.92E-04	2.55E-05	1.62E-04	5.87E-06	8.47E-04	2.78E-05	9.57E-05	3.00E-06
1812	438452.2	3725029	7.03E-04	1.95E-05	1.43E-04	4.25E-06	7.52E-04	2.01E-05	8.40E-05	2.12E-06
1813	438458.8	3725042	7.04E-04	1.97E-05	1.44E-04	4.29E-06	7.53E-04	2.02E-05	8.42E-05	2.14E-06
1814	438465.5	3725055	7.03E-04	1.97E-05	1.43E-04	4.31E-06	7.52E-04	2.03E-05	8.40E-05	2.15E-06
1815	438472.2	3725068	7.00E-04	1.97E-05	1.43E-04	4.32E-06	7.49E-04	2.04E-05	8.37E-05	2.16E-06
1816	438478.9	3725081	6.97E-04	1.98E-05	1.42E-04	4.34E-06	7.45E-04	2.05E-05	8.33E-05	2.17E-06
1817	438485.6	3725095	6.93E-04	1.98E-05	1.41E-04	4.34E-06	7.41E-04	2.05E-05	8.29E-05	2.18E-06
1818	438492.3	3725108	6.88E-04	1.97E-05	1.40E-04	4.34E-06	7.35E-04	2.05E-05	8.23E-05	2.18E-06
1819	438499	3725121	6.84E-04	1.97E-05	1.39E-04	4.35E-06	7.31E-04	2.05E-05	8.18E-05	2.18E-06
1820	438505.6	3725134	6.80E-04	1.97E-05	1.39E-04	4.36E-06	7.27E-04	2.06E-05	8.14E-05	2.19E-06
1821	438512.3	3725147	6.75E-04	1.97E-05	1.38E-04	4.36E-06	7.22E-04	2.06E-05	8.09E-05	2.19E-06
1822	438519	3725160	6.69E-04	1.96E-05	1.36E-04	4.35E-06	7.15E-04	2.05E-05	8.01E-05	2.19E-06
1823	438525.7	3725174	6.63E-04	1.95E-05	1.35E-04	4.34E-06	7.09E-04	2.05E-05	7.95E-05	2.18E-06
1824	438532.4	3725187	6.57E-04	1.94E-05	1.34E-04	4.33E-06	7.03E-04	2.05E-05	7.88E-05	2.18E-06
1825	438539.1	3725200	6.51E-04	1.93E-05	1.33E-04	4.31E-06	6.96E-04	2.04E-05	7.81E-05	2.17E-06
1826	438545.8	3725213	6.41E-04	1.91E-05	1.31E-04	4.28E-06	6.86E-04	2.02E-05	7.70E-05	2.16E-06
1827	438552.5	3725226	6.32E-04	1.89E-05	1.29E-04	4.24E-06	6.76E-04	2.01E-05	7.59E-05	2.14E-06
1828	438559.1	3725239	6.21E-04	1.87E-05	1.27E-04	4.20E-06	6.64E-04	1.99E-05	7.46E-05	2.12E-06
1829	438565.8	3725253	6.09E-04	1.84E-05	1.24E-04	4.15E-06	6.51E-04	1.96E-05	7.32E-05	2.10E-06
1830	438572.5	3725266	5.97E-04	1.82E-05	1.22E-04	4.09E-06	6.39E-04	1.93E-05	7.18E-05	2.07E-06
1831	438579.2	3725279	5.84E-04	1.78E-05	1.19E-04	4.03E-06	6.25E-04	1.90E-05	7.03E-05	2.04E-06
1832	438585.9	3725292	5.72E-04	1.75E-05	1.17E-04	3.97E-06	6.12E-04	1.87E-05	6.89E-05	2.01E-06
1833	438592.6	3725305	5.63E-04	1.73E-05	1.15E-04	3.92E-06	6.02E-04	1.85E-05	6.78E-05	1.99E-06
1834	438599.3	3725318	5.54E-04	1.71E-05	1.13E-04	3.87E-06	5.92E-04	1.83E-05	6.67E-05	1.97E-06
1835	438605.9	3725332	5.45E-04	1.69E-05	1.11E-04	3.83E-06	5.83E-04	1.81E-05	6.57E-05	1.94E-06
1836	438610.3	3725352	5.41E-04	1.68E-05	1.11E-04	3.82E-06	5.79E-04	1.81E-05	6.53E-05	1.94E-06
1837	438605.8	3725366	5.51E-04	1.71E-05	1.13E-04	3.89E-06	5.90E-04	1.84E-05	6.65E-05	1.98E-06
1838	438601.2	3725380	5.62E-04	1.75E-05	1.15E-04	3.97E-06	6.01E-04	1.88E-05	6.78E-05	2.02E-06
1839	438596.7	3725394	5.72E-04	1.78E-05	1.17E-04	4.05E-06	6.12E-04	1.91E-05	6.90E-05	2.06E-06
1840	438592.1	3725408	5.81E-04	1.81E-05	1.19E-04	4.11E-06	6.22E-04	1.94E-05	7.01E-05	2.09E-06
1841	438560.3	3725506	6.25E-04	1.95E-05	1.28E-04	4.45E-06	6.68E-04	2.10E-05	7.53E-05	2.26E-06
1842	438555.7	3725520	6.31E-04	1.97E-05	1.29E-04	4.49E-06	6.75E-04	2.12E-05	7.61E-05	2.28E-06
1843	438551.1	3725534	6.37E-04	1.99E-05	1.30E-04	4.54E-06	6.81E-04	2.15E-05	7.68E-05	2.31E-06
1844	438490.2	3725022	6.38E-04	1.80E-05	1.30E-04	3.93E-06	6.82E-04	1.86E-05	7.64E-05	1.97E-06

1845	438496.8	3725035	6.37E-04	1.80E-05	1.30E-04	3.95E-06	6.81E-04	1.86E-05	7.62E-05	1.98E-06
1846	438503.4	3725048	6.35E-04	1.80E-05	1.30E-04	3.96E-06	6.79E-04	1.87E-05	7.60E-05	1.99E-06
1847	438510	3725061	6.32E-04	1.81E-05	1.29E-04	3.98E-06	6.76E-04	1.88E-05	7.58E-05	1.99E-06
1848	438516.7	3725074	6.29E-04	1.81E-05	1.28E-04	3.99E-06	6.73E-04	1.88E-05	7.54E-05	2.00E-06
1849	438523.3	3725087	6.26E-04	1.81E-05	1.28E-04	3.99E-06	6.69E-04	1.89E-05	7.50E-05	2.00E-06
1850	438529.9	3725100	6.23E-04	1.81E-05	1.27E-04	4.00E-06	6.67E-04	1.89E-05	7.47E-05	2.01E-06
1851	438536.5	3725113	6.21E-04	1.81E-05	1.27E-04	4.01E-06	6.64E-04	1.90E-05	7.45E-05	2.02E-06
1852	438543.2	3725126	6.18E-04	1.81E-05	1.26E-04	4.02E-06	6.61E-04	1.90E-05	7.42E-05	2.02E-06
1853	438549.8	3725139	6.16E-04	1.81E-05	1.26E-04	4.03E-06	6.58E-04	1.90E-05	7.39E-05	2.03E-06
1854	438556.4	3725152	6.13E-04	1.81E-05	1.25E-04	4.03E-06	6.55E-04	1.91E-05	7.35E-05	2.03E-06
1855	438563.1	3725165	6.09E-04	1.81E-05	1.24E-04	4.03E-06	6.51E-04	1.91E-05	7.31E-05	2.03E-06
1856	438569.7	3725178	6.05E-04	1.80E-05	1.24E-04	4.03E-06	6.47E-04	1.90E-05	7.27E-05	2.03E-06
1857	438576.3	3725191	5.98E-04	1.79E-05	1.22E-04	4.01E-06	6.40E-04	1.90E-05	7.19E-05	2.02E-06
1858	438582.9	3725205	5.91E-04	1.78E-05	1.21E-04	3.99E-06	6.32E-04	1.88E-05	7.11E-05	2.01E-06
1859	438589.6	3725218	5.83E-04	1.76E-05	1.19E-04	3.95E-06	6.23E-04	1.87E-05	7.01E-05	2.00E-06
1860	438596.2	3725231	5.74E-04	1.74E-05	1.17E-04	3.92E-06	6.14E-04	1.85E-05	6.90E-05	1.98E-06
1861	438602.8	3725244	5.64E-04	1.72E-05	1.15E-04	3.87E-06	6.04E-04	1.83E-05	6.79E-05	1.96E-06
1862	438609.4	3725257	5.54E-04	1.69E-05	1.13E-04	3.83E-06	5.93E-04	1.81E-05	6.67E-05	1.94E-06
1863	438616.1	3725270	5.44E-04	1.67E-05	1.11E-04	3.78E-06	5.82E-04	1.79E-05	6.56E-05	1.92E-06
1864	438622.7	3725283	5.33E-04	1.64E-05	1.09E-04	3.72E-06	5.71E-04	1.76E-05	6.43E-05	1.89E-06
1865	438629.3	3725296	5.23E-04	1.62E-05	1.07E-04	3.67E-06	5.59E-04	1.73E-05	6.30E-05	1.86E-06
1866	438635.9	3725309	5.13E-04	1.59E-05	1.05E-04	3.62E-06	5.49E-04	1.71E-05	6.19E-05	1.84E-06
1867	438642.6	3725322	5.04E-04	1.57E-05	1.03E-04	3.57E-06	5.39E-04	1.69E-05	6.08E-05	1.81E-06
1868	438649.2	3725335	4.97E-04	1.55E-05	1.02E-04	3.53E-06	5.32E-04	1.67E-05	6.00E-05	1.80E-06
1869	438650.2	3725349	4.96E-04	1.55E-05	1.02E-04	3.53E-06	5.31E-04	1.67E-05	5.99E-05	1.80E-06
1870	438645.7	3725362	5.02E-04	1.57E-05	1.03E-04	3.58E-06	5.37E-04	1.69E-05	6.06E-05	1.82E-06
1871	438641.2	3725376	5.09E-04	1.59E-05	1.04E-04	3.63E-06	5.45E-04	1.72E-05	6.15E-05	1.85E-06
1872	438636.7	3725390	5.18E-04	1.62E-05	1.06E-04	3.70E-06	5.54E-04	1.75E-05	6.25E-05	1.88E-06
1873	438632.2	3725404	5.29E-04	1.66E-05	1.08E-04	3.77E-06	5.65E-04	1.78E-05	6.38E-05	1.92E-06
1874	438627.7	3725418	5.38E-04	1.69E-05	1.10E-04	3.84E-06	5.76E-04	1.82E-05	6.50E-05	1.95E-06
1875	438623.2	3725432	5.45E-04	1.71E-05	1.11E-04	3.89E-06	5.83E-04	1.84E-05	6.58E-05	1.98E-06
1876	438618.7	3725446	5.51E-04	1.73E-05	1.13E-04	3.94E-06	5.89E-04	1.86E-05	6.65E-05	2.00E-06
1877	438587.1	3725543	5.87E-04	1.85E-05	1.20E-04	4.21E-06	6.28E-04	1.99E-05	7.08E-05	2.14E-06
1878	438582.6	3725557	5.91E-04	1.86E-05	1.21E-04	4.25E-06	6.33E-04	2.01E-05	7.14E-05	2.16E-06
1879	438578	3725571	5.96E-04	1.88E-05	1.22E-04	4.28E-06	6.38E-04	2.02E-05	7.19E-05	2.18E-06
1880	438438.1	3726003	6.82E-04	2.21E-05	1.40E-04	5.11E-06	7.29E-04	2.41E-05	8.25E-05	2.61E-06
1881	438529.8	3725018	5.81E-04	1.66E-05	1.19E-04	3.65E-06	6.21E-04	1.72E-05	6.96E-05	1.83E-06
1882	438536.4	3725031	5.79E-04	1.66E-05	1.18E-04	3.66E-06	6.19E-04	1.73E-05	6.94E-05	1.84E-06
1883	438543	3725044	5.77E-04	1.66E-05	1.18E-04	3.67E-06	6.17E-04	1.73E-05	6.92E-05	1.84E-06
1884	438549.7	3725057	5.74E-04	1.66E-05	1.17E-04	3.68E-06	6.14E-04	1.74E-05	6.89E-05	1.85E-06
1885	438556.3	3725070	5.71E-04	1.66E-05	1.17E-04	3.68E-06	6.11E-04	1.74E-05	6.86E-05	1.85E-06
1886	438562.9	3725084	5.69E-04	1.66E-05	1.16E-04	3.69E-06	6.09E-04	1.74E-05	6.83E-05	1.86E-06
1887	438569.6	3725097	5.67E-04	1.66E-05	1.16E-04	3.70E-06	6.06E-04	1.75E-05	6.81E-05	1.86E-06
1888	438576.2	3725110	5.65E-04	1.66E-05	1.15E-04	3.71E-06	6.04E-04	1.75E-05	6.78E-05	1.87E-06
1889	438582.9	3725123	5.63E-04	1.67E-05	1.15E-04	3.72E-06	6.02E-04	1.76E-05	6.76E-05	1.88E-06
1890	438589.5	3725136	5.61E-04	1.67E-05	1.15E-04	3.73E-06	6.01E-04	1.76E-05	6.75E-05	1.88E-06
1891	438596.1	3725149	5.59E-04	1.67E-05	1.14E-04	3.74E-06	5.98E-04	1.77E-05	6.72E-05	1.89E-06
1892	438602.8	3725162	5.57E-04	1.67E-05	1.14E-04	3.74E-06	5.96E-04	1.77E-05	6.69E-05	1.89E-06
1893	438609.4	3725175	5.55E-04	1.67E-05	1.13E-04	3.75E-06	5.93E-04	1.77E-05	6.67E-05	1.89E-06
1894	438616	3725188	5.49E-04	1.66E-05	1.12E-04	3.73E-06	5.87E-04	1.76E-05	6.60E-05	1.88E-06
1895	438622.7	3725201	5.44E-04	1.65E-05	1.11E-04	3.71E-06	5.82E-04	1.75E-05	6.55E-05	1.88E-06
1896	438629.3	3725214	5.37E-04	1.64E-05	1.10E-04	3.69E-06	5.75E-04	1.74E-05	6.47E-05	1.87E-06
1897	438636	3725227	5.30E-04	1.62E-05	1.08E-04	3.65E-06	5.67E-04	1.73E-05	6.38E-05	1.85E-06
1898	438642.6	3725240	5.22E-04	1.60E-05	1.07E-04	3.62E-06	5.58E-04	1.71E-05	6.29E-05	1.83E-06
1899	438649.2	3725253	5.13E-04	1.58E-05	1.05E-04	3.58E-06	5.49E-04	1.69E-05	6.19E-05	1.82E-06
1900	438655.9	3725267	5.05E-04	1.56E-05	1.03E-04	3.54E-06	5.40E-04	1.67E-05	6.09E-05	1.80E-06

1901	438662.5	3725280	4.95E-04	1.54E-05	1.01E-04	3.49E-06	5.30E-04	1.65E-05	5.98E-05	1.77E-06
1902	438669.2	3725293	4.86E-04	1.51E-05	9.95E-05	3.44E-06	5.20E-04	1.63E-05	5.87E-05	1.75E-06
1903	438675.8	3725306	4.78E-04	1.49E-05	9.78E-05	3.39E-06	5.11E-04	1.60E-05	5.77E-05	1.73E-06
1904	438682.4	3725319	4.70E-04	1.47E-05	9.61E-05	3.35E-06	5.02E-04	1.58E-05	5.67E-05	1.70E-06
1905	438689.1	3725332	4.62E-04	1.45E-05	9.46E-05	3.31E-06	4.95E-04	1.56E-05	5.59E-05	1.68E-06
1906	438690.1	3725345	4.61E-04	1.45E-05	9.43E-05	3.31E-06	4.93E-04	1.56E-05	5.57E-05	1.68E-06
1907	438685.6	3725359	4.64E-04	1.46E-05	9.51E-05	3.34E-06	4.97E-04	1.58E-05	5.61E-05	1.70E-06
1908	438681.1	3725373	4.71E-04	1.48E-05	9.64E-05	3.39E-06	5.04E-04	1.60E-05	5.69E-05	1.72E-06
1909	438676.6	3725387	4.77E-04	1.50E-05	9.77E-05	3.43E-06	5.11E-04	1.62E-05	5.77E-05	1.75E-06
1910	438672	3725401	4.85E-04	1.53E-05	9.92E-05	3.49E-06	5.19E-04	1.65E-05	5.86E-05	1.78E-06
1911	438667.5	3725415	4.93E-04	1.55E-05	1.01E-04	3.55E-06	5.27E-04	1.68E-05	5.95E-05	1.80E-06
1912	438663	3725429	5.01E-04	1.58E-05	1.02E-04	3.60E-06	5.36E-04	1.70E-05	6.05E-05	1.83E-06
1913	438658.5	3725443	5.09E-04	1.60E-05	1.04E-04	3.66E-06	5.44E-04	1.73E-05	6.14E-05	1.86E-06
1914	438654	3725457	5.14E-04	1.62E-05	1.05E-04	3.70E-06	5.49E-04	1.75E-05	6.20E-05	1.88E-06
1915	438649.4	3725471	5.18E-04	1.63E-05	1.06E-04	3.74E-06	5.54E-04	1.77E-05	6.26E-05	1.90E-06
1916	438644.9	3725485	5.22E-04	1.65E-05	1.07E-04	3.77E-06	5.59E-04	1.78E-05	6.31E-05	1.92E-06
1917	438613.3	3725582	5.53E-04	1.75E-05	1.13E-04	4.00E-06	5.92E-04	1.89E-05	6.68E-05	2.04E-06
1918	438504.8	3725917	6.38E-04	2.03E-05	1.31E-04	4.64E-06	6.82E-04	2.20E-05	7.71E-05	2.37E-06
1919	438500.2	3725931	6.40E-04	2.04E-05	1.31E-04	4.67E-06	6.84E-04	2.21E-05	7.73E-05	2.38E-06
1920	438495.7	3725945	6.41E-04	2.05E-05	1.31E-04	4.69E-06	6.85E-04	2.22E-05	7.75E-05	2.39E-06
1921	438491.2	3725959	6.42E-04	2.05E-05	1.31E-04	4.72E-06	6.86E-04	2.23E-05	7.76E-05	2.41E-06
1922	438486.7	3725973	6.42E-04	2.06E-05	1.31E-04	4.74E-06	6.87E-04	2.24E-05	7.76E-05	2.42E-06
1923	438482.2	3725987	6.41E-04	2.07E-05	1.31E-04	4.75E-06	6.86E-04	2.25E-05	7.76E-05	2.43E-06
1924	438477.6	3726001	6.40E-04	2.07E-05	1.31E-04	4.76E-06	6.84E-04	2.25E-05	7.74E-05	2.43E-06
1925	438473.1	3726015	6.38E-04	2.07E-05	1.31E-04	4.77E-06	6.83E-04	2.26E-05	7.73E-05	2.44E-06
1926	438468.6	3726029	6.37E-04	2.07E-05	1.31E-04	4.79E-06	6.82E-04	2.26E-05	7.72E-05	2.45E-06
1927	438576	3725028	5.27E-04	1.53E-05	1.08E-04	3.39E-06	5.64E-04	1.60E-05	6.33E-05	1.71E-06
1928	438582.7	3725041	5.25E-04	1.53E-05	1.07E-04	3.40E-06	5.61E-04	1.61E-05	6.30E-05	1.71E-06
1929	438589.3	3725054	5.21E-04	1.53E-05	1.06E-04	3.40E-06	5.58E-04	1.61E-05	6.26E-05	1.71E-06
1930	438596	3725067	5.20E-04	1.53E-05	1.06E-04	3.41E-06	5.56E-04	1.61E-05	6.25E-05	1.72E-06
1931	438602.6	3725080	5.19E-04	1.53E-05	1.06E-04	3.42E-06	5.55E-04	1.62E-05	6.24E-05	1.73E-06
1932	438609.3	3725093	5.19E-04	1.54E-05	1.06E-04	3.44E-06	5.55E-04	1.62E-05	6.24E-05	1.73E-06
1933	438615.9	3725106	5.17E-04	1.54E-05	1.06E-04	3.45E-06	5.53E-04	1.63E-05	6.22E-05	1.74E-06
1934	438622.6	3725119	5.16E-04	1.54E-05	1.05E-04	3.46E-06	5.52E-04	1.63E-05	6.20E-05	1.75E-06
1935	438629.2	3725132	5.13E-04	1.54E-05	1.05E-04	3.46E-06	5.49E-04	1.63E-05	6.18E-05	1.75E-06
1936	438635.9	3725145	5.11E-04	1.54E-05	1.04E-04	3.46E-06	5.46E-04	1.63E-05	6.15E-05	1.75E-06
1937	438642.5	3725159	5.08E-04	1.54E-05	1.04E-04	3.46E-06	5.43E-04	1.63E-05	6.11E-05	1.75E-06
1938	438649.2	3725172	5.04E-04	1.53E-05	1.03E-04	3.45E-06	5.39E-04	1.63E-05	6.07E-05	1.75E-06
1939	438655.8	3725185	5.01E-04	1.53E-05	1.02E-04	3.44E-06	5.36E-04	1.63E-05	6.04E-05	1.74E-06
1940	438662.5	3725198	4.99E-04	1.52E-05	1.02E-04	3.44E-06	5.33E-04	1.63E-05	6.01E-05	1.75E-06
1941	438669.1	3725211	4.95E-04	1.52E-05	1.01E-04	3.44E-06	5.30E-04	1.62E-05	5.97E-05	1.74E-06
1942	438675.7	3725224	4.89E-04	1.50E-05	1.00E-04	3.41E-06	5.23E-04	1.61E-05	5.89E-05	1.73E-06
1943	438682.4	3725237	4.82E-04	1.49E-05	9.87E-05	3.38E-06	5.16E-04	1.60E-05	5.82E-05	1.71E-06
1944	438689	3725250	4.75E-04	1.47E-05	9.72E-05	3.34E-06	5.08E-04	1.58E-05	5.73E-05	1.70E-06
1945	438695.7	3725263	4.69E-04	1.46E-05	9.60E-05	3.31E-06	5.02E-04	1.57E-05	5.66E-05	1.68E-06
1946	438702.3	3725276	4.61E-04	1.44E-05	9.44E-05	3.28E-06	4.94E-04	1.55E-05	5.57E-05	1.66E-06
1947	438709	3725289	4.54E-04	1.42E-05	9.29E-05	3.24E-06	4.86E-04	1.53E-05	5.48E-05	1.65E-06
1948	438715.6	3725303	4.47E-04	1.40E-05	9.15E-05	3.20E-06	4.78E-04	1.51E-05	5.40E-05	1.63E-06
1949	438722.3	3725316	4.40E-04	1.38E-05	9.01E-05	3.16E-06	4.71E-04	1.49E-05	5.32E-05	1.61E-06
1950	438728.9	3725329	4.34E-04	1.37E-05	8.90E-05	3.13E-06	4.65E-04	1.48E-05	5.25E-05	1.59E-06
1951	438730	3725342	4.33E-04	1.37E-05	8.86E-05	3.12E-06	4.63E-04	1.48E-05	5.23E-05	1.59E-06
1952	438725.5	3725356	4.34E-04	1.37E-05	8.89E-05	3.14E-06	4.65E-04	1.48E-05	5.25E-05	1.60E-06
1953	438720.9	3725370	4.39E-04	1.39E-05	8.99E-05	3.18E-06	4.70E-04	1.50E-05	5.31E-05	1.62E-06
1954	438716.4	3725384	4.44E-04	1.41E-05	9.10E-05	3.22E-06	4.75E-04	1.52E-05	5.37E-05	1.64E-06
1955	438711.9	3725398	4.50E-04	1.42E-05	9.21E-05	3.26E-06	4.81E-04	1.54E-05	5.44E-05	1.66E-06
1956	438707.4	3725412	4.56E-04	1.44E-05	9.33E-05	3.30E-06	4.88E-04	1.56E-05	5.51E-05	1.68E-06

1957	438702.8	3725426	4.62E-04	1.46E-05	9.46E-05	3.35E-06	4.94E-04	1.58E-05	5.59E-05	1.71E-06
1958	438698.3	3725440	4.69E-04	1.49E-05	9.60E-05	3.40E-06	5.02E-04	1.61E-05	5.67E-05	1.73E-06
1959	438693.8	3725454	4.75E-04	1.50E-05	9.72E-05	3.44E-06	5.08E-04	1.63E-05	5.74E-05	1.76E-06
1960	438689.2	3725468	4.80E-04	1.52E-05	9.83E-05	3.48E-06	5.13E-04	1.65E-05	5.80E-05	1.77E-06
1961	438684.7	3725482	4.84E-04	1.54E-05	9.91E-05	3.52E-06	5.18E-04	1.66E-05	5.85E-05	1.79E-06
1962	438680.2	3725496	4.88E-04	1.55E-05	9.99E-05	3.55E-06	5.22E-04	1.68E-05	5.90E-05	1.81E-06
1963	438675.7	3725510	4.92E-04	1.56E-05	1.01E-04	3.58E-06	5.26E-04	1.69E-05	5.95E-05	1.82E-06
1964	438671.1	3725524	4.95E-04	1.57E-05	1.01E-04	3.60E-06	5.30E-04	1.70E-05	5.99E-05	1.84E-06
1965	438666.6	3725538	4.99E-04	1.58E-05	1.02E-04	3.63E-06	5.34E-04	1.72E-05	6.03E-05	1.85E-06
1966	438594.2	3725761	5.56E-04	1.76E-05	1.14E-04	4.02E-06	5.95E-04	1.90E-05	6.72E-05	2.05E-06
1967	438589.6	3725775	5.59E-04	1.77E-05	1.15E-04	4.05E-06	5.99E-04	1.91E-05	6.76E-05	2.06E-06
1968	438557.9	3725873	5.83E-04	1.84E-05	1.19E-04	4.22E-06	6.23E-04	2.00E-05	7.04E-05	2.15E-06
1969	438553.4	3725887	5.86E-04	1.86E-05	1.20E-04	4.25E-06	6.27E-04	2.01E-05	7.08E-05	2.16E-06
1970	438548.9	3725901	5.89E-04	1.87E-05	1.20E-04	4.28E-06	6.30E-04	2.02E-05	7.11E-05	2.18E-06
1971	438544.3	3725915	5.92E-04	1.88E-05	1.21E-04	4.31E-06	6.33E-04	2.04E-05	7.15E-05	2.19E-06
1972	438539.8	3725929	5.94E-04	1.89E-05	1.22E-04	4.33E-06	6.36E-04	2.05E-05	7.18E-05	2.21E-06
1973	438535.3	3725943	5.96E-04	1.90E-05	1.22E-04	4.36E-06	6.38E-04	2.06E-05	7.21E-05	2.22E-06
1974	438530.8	3725957	5.98E-04	1.91E-05	1.22E-04	4.39E-06	6.40E-04	2.07E-05	7.23E-05	2.24E-06
1975	438526.2	3725971	6.00E-04	1.92E-05	1.23E-04	4.41E-06	6.42E-04	2.09E-05	7.26E-05	2.25E-06
1976	438521.7	3725985	6.01E-04	1.93E-05	1.23E-04	4.44E-06	6.43E-04	2.10E-05	7.28E-05	2.27E-06
1977	438517.2	3725999	6.01E-04	1.93E-05	1.23E-04	4.45E-06	6.43E-04	2.10E-05	7.27E-05	2.27E-06
1978	438512.6	3726013	5.99E-04	1.93E-05	1.23E-04	4.46E-06	6.41E-04	2.11E-05	7.26E-05	2.28E-06
1979	438476.5	3725934	6.68E-04	2.13E-05	1.37E-04	4.88E-06	7.14E-04	2.31E-05	8.07E-05	2.49E-06
1980	438497.2	3725973	6.30E-04	2.02E-05	1.29E-04	4.65E-06	6.74E-04	2.20E-05	7.62E-05	2.37E-06
1981	438502.7	3725966	6.26E-04	2.01E-05	1.28E-04	4.61E-06	6.70E-04	2.18E-05	7.58E-05	2.35E-06
1982	438508.3	3725959	6.22E-04	1.99E-05	1.27E-04	4.57E-06	6.66E-04	2.16E-05	7.52E-05	2.33E-06
1983	438529	3725998	5.89E-04	1.90E-05	1.21E-04	4.36E-06	6.31E-04	2.06E-05	7.14E-05	2.23E-06
1984	438534.5	3725990	5.86E-04	1.88E-05	1.20E-04	4.33E-06	6.27E-04	2.05E-05	7.10E-05	2.21E-06
1985	438540	3725983	5.83E-04	1.87E-05	1.19E-04	4.30E-06	6.24E-04	2.03E-05	7.05E-05	2.19E-06
1986	438532.4	3725523	6.65E-04	2.08E-05	1.36E-04	4.72E-06	7.12E-04	2.23E-05	8.02E-05	2.40E-06
1987	438566.5	3725547	6.14E-04	1.93E-05	1.26E-04	4.39E-06	6.57E-04	2.08E-05	7.40E-05	2.23E-06
1988	438571.6	3725531	6.08E-04	1.91E-05	1.24E-04	4.35E-06	6.50E-04	2.06E-05	7.33E-05	2.21E-06
1989	438598.9	3725570	5.71E-04	1.80E-05	1.17E-04	4.11E-06	6.11E-04	1.94E-05	6.89E-05	2.09E-06
1990	438592	3725585	5.78E-04	1.82E-05	1.18E-04	4.17E-06	6.18E-04	1.97E-05	6.98E-05	2.12E-06
1991	438684.2	3725571	4.80E-04	1.53E-05	9.83E-05	3.51E-06	5.14E-04	1.66E-05	5.81E-05	1.79E-06
1992	438539.3	3725890	6.01E-04	1.91E-05	1.23E-04	4.36E-06	6.43E-04	2.06E-05	7.27E-05	2.22E-06
1993	438532.4	3725906	6.07E-04	1.93E-05	1.24E-04	4.41E-06	6.49E-04	2.09E-05	7.34E-05	2.25E-06
1994	438525.5	3725921	6.12E-04	1.95E-05	1.25E-04	4.46E-06	6.55E-04	2.11E-05	7.40E-05	2.27E-06
1995	438518.6	3725936	6.17E-04	1.97E-05	1.26E-04	4.51E-06	6.60E-04	2.13E-05	7.46E-05	2.30E-06
1996	438689.3	3725555	4.76E-04	1.52E-05	9.76E-05	3.48E-06	5.10E-04	1.65E-05	5.76E-05	1.77E-06
1997	438723.4	3725578	4.45E-04	1.42E-05	9.11E-05	3.27E-06	4.76E-04	1.55E-05	5.39E-05	1.67E-06
1998	438716.5	3725594	4.50E-04	1.44E-05	9.22E-05	3.31E-06	4.81E-04	1.56E-05	5.45E-05	1.69E-06
1999	438709.6	3725609	4.55E-04	1.46E-05	9.33E-05	3.34E-06	4.87E-04	1.58E-05	5.51E-05	1.71E-06
2000	438702.6	3725624	4.61E-04	1.47E-05	9.44E-05	3.38E-06	4.93E-04	1.60E-05	5.58E-05	1.73E-06
2001	438661.1	3725716	4.94E-04	1.57E-05	1.01E-04	3.60E-06	5.28E-04	1.70E-05	5.97E-05	1.84E-06
2002	438640.4	3725762	5.08E-04	1.61E-05	1.04E-04	3.70E-06	5.44E-04	1.75E-05	6.15E-05	1.89E-06
2003	438633.4	3725777	5.14E-04	1.63E-05	1.05E-04	3.74E-06	5.50E-04	1.77E-05	6.21E-05	1.90E-06
2004	438626.5	3725792	5.19E-04	1.65E-05	1.06E-04	3.77E-06	5.55E-04	1.78E-05	6.28E-05	1.92E-06
2005	438619.6	3725808	5.24E-04	1.66E-05	1.07E-04	3.81E-06	5.61E-04	1.80E-05	6.34E-05	1.94E-06
2006	438612.7	3725823	5.30E-04	1.68E-05	1.08E-04	3.84E-06	5.67E-04	1.82E-05	6.40E-05	1.96E-06
2007	438605.8	3725838	5.35E-04	1.69E-05	1.10E-04	3.88E-06	5.72E-04	1.83E-05	6.47E-05	1.98E-06
2008	438598.8	3725853	5.40E-04	1.71E-05	1.11E-04	3.92E-06	5.78E-04	1.85E-05	6.53E-05	2.00E-06
2009	438591.9	3725869	5.46E-04	1.73E-05	1.12E-04	3.96E-06	5.84E-04	1.87E-05	6.60E-05	2.02E-06
2010	438585	3725884	5.52E-04	1.75E-05	1.13E-04	4.01E-06	5.91E-04	1.90E-05	6.67E-05	2.04E-06
2011	438578.1	3725899	5.58E-04	1.77E-05	1.14E-04	4.06E-06	5.97E-04	1.92E-05	6.75E-05	2.07E-06
2012	438571.2	3725914	5.63E-04	1.79E-05	1.15E-04	4.10E-06	6.02E-04	1.94E-05	6.81E-05	2.09E-06

2013	438564.2	3725930	5.68E-04	1.81E-05	1.16E-04	4.14E-06	6.08E-04	1.96E-05	6.87E-05	2.11E-06
2014	438557.3	3725945	5.72E-04	1.83E-05	1.17E-04	4.19E-06	6.12E-04	1.98E-05	6.92E-05	2.14E-06
2015	438550.4	3725960	5.77E-04	1.84E-05	1.18E-04	4.23E-06	6.17E-04	2.00E-05	6.98E-05	2.16E-06
2016	438728.5	3725563	4.41E-04	1.41E-05	9.04E-05	3.24E-06	4.72E-04	1.53E-05	5.34E-05	1.66E-06
2017	438498.3	3725488	7.26E-04	2.25E-05	1.48E-04	5.09E-06	7.76E-04	2.40E-05	8.73E-05	2.58E-06
2018	438502.3	3725464	7.21E-04	2.23E-05	1.47E-04	5.04E-06	7.71E-04	2.38E-05	8.67E-05	2.55E-06
2019	438537.7	3725495	6.59E-04	2.05E-05	1.35E-04	4.66E-06	7.05E-04	2.20E-05	7.94E-05	2.37E-06
2020	438535.3	3725508	6.62E-04	2.06E-05	1.35E-04	4.69E-06	7.08E-04	2.22E-05	7.98E-05	2.38E-06
2021	438540.4	3725479	6.55E-04	2.04E-05	1.34E-04	4.63E-06	7.01E-04	2.19E-05	7.89E-05	2.35E-06
2022	438658.8	3725499	5.08E-04	1.61E-05	1.04E-04	3.68E-06	5.44E-04	1.74E-05	6.14E-05	1.88E-06
2023	438661.6	3725482	5.06E-04	1.60E-05	1.04E-04	3.66E-06	5.41E-04	1.73E-05	6.11E-05	1.86E-06
2024	438695.4	3725522	4.73E-04	1.50E-05	9.68E-05	3.45E-06	5.06E-04	1.63E-05	5.72E-05	1.76E-06
2025	438692.4	3725538	4.74E-04	1.51E-05	9.72E-05	3.46E-06	5.08E-04	1.64E-05	5.74E-05	1.77E-06
2026	438698.3	3725505	4.71E-04	1.50E-05	9.65E-05	3.43E-06	5.04E-04	1.62E-05	5.70E-05	1.75E-06
2027	438701	3725488	4.69E-04	1.49E-05	9.61E-05	3.42E-06	5.02E-04	1.62E-05	5.68E-05	1.74E-06
2028	438735.1	3725527	4.39E-04	1.40E-05	8.99E-05	3.22E-06	4.69E-04	1.52E-05	5.31E-05	1.64E-06
2029	438732.6	3725541	4.40E-04	1.41E-05	9.01E-05	3.23E-06	4.71E-04	1.53E-05	5.33E-05	1.65E-06
2030	438737.7	3725512	4.37E-04	1.40E-05	8.96E-05	3.21E-06	4.68E-04	1.52E-05	5.30E-05	1.64E-06
2031	438740.5	3725495	4.36E-04	1.39E-05	8.93E-05	3.19E-06	4.66E-04	1.51E-05	5.28E-05	1.63E-06
2032	437801.1	3725247	2.80E-02	4.86E-04	5.57E-03	7.30E-05	2.98E-02	3.41E-04	3.13E-03	2.93E-05
2033	437796.7	3725239	2.74E-02	4.74E-04	5.45E-03	7.09E-05	2.91E-02	3.31E-04	3.07E-03	2.84E-05
2034	437815	3725258	2.52E-02	4.47E-04	5.02E-03	6.86E-05	2.68E-02	3.21E-04	2.82E-03	2.79E-05
2035	437809.9	3725243	2.39E-02	4.21E-04	4.77E-03	6.42E-05	2.55E-02	3.00E-04	2.68E-03	2.61E-05
2036	437805.5	3725234	2.34E-02	4.10E-04	4.67E-03	6.24E-05	2.49E-02	2.91E-04	2.63E-03	2.53E-05
2037	437824	3725255	2.19E-02	3.94E-04	4.37E-03	6.14E-05	2.34E-02	2.87E-04	2.46E-03	2.53E-05
2038	437823.1	3725246	2.09E-02	3.75E-04	4.17E-03	5.84E-05	2.23E-02	2.73E-04	2.35E-03	2.41E-05
2039	437818.7	3725238	2.07E-02	3.69E-04	4.13E-03	5.72E-05	2.21E-02	2.67E-04	2.33E-03	2.35E-05
2040	437814.4	3725230	2.03E-02	3.60E-04	4.06E-03	5.56E-05	2.17E-02	2.60E-04	2.29E-03	2.28E-05
2041	437810	3725222	1.98E-02	3.48E-04	3.95E-03	5.37E-05	2.11E-02	2.51E-04	2.23E-03	2.20E-05
2042	437832.8	3725250	1.92E-02	3.49E-04	3.83E-03	5.51E-05	2.04E-02	2.58E-04	2.16E-03	2.30E-05
2043	437827.6	3725233	1.82E-02	3.27E-04	3.62E-03	5.14E-05	1.93E-02	2.41E-04	2.04E-03	2.13E-05
2044	437823.2	3725225	1.78E-02	3.19E-04	3.56E-03	5.00E-05	1.90E-02	2.34E-04	2.01E-03	2.07E-05
2045	437818.9	3725217	1.74E-02	3.09E-04	3.47E-03	4.84E-05	1.85E-02	2.26E-04	1.96E-03	2.00E-05
2046	437836.4	3725229	1.61E-02	2.94E-04	3.22E-03	4.68E-05	1.72E-02	2.19E-04	1.82E-03	1.96E-05
2047	437832	3725220	1.58E-02	2.86E-04	3.16E-03	4.55E-05	1.68E-02	2.13E-04	1.78E-03	1.90E-05
2048	437827.7	3725212	1.54E-02	2.77E-04	3.07E-03	4.39E-05	1.64E-02	2.06E-04	1.74E-03	1.83E-05
2049	437823.4	3725204	1.49E-02	2.67E-04	2.97E-03	4.23E-05	1.58E-02	1.98E-04	1.68E-03	1.76E-05
2050	437845.2	3725224	1.45E-02	2.66E-04	2.89E-03	4.30E-05	1.54E-02	2.01E-04	1.64E-03	1.82E-05
2051	437840.9	3725216	1.42E-02	2.60E-04	2.84E-03	4.18E-05	1.51E-02	1.96E-04	1.61E-03	1.76E-05
2052	437836.5	3725208	1.38E-02	2.51E-04	2.76E-03	4.04E-05	1.47E-02	1.89E-04	1.56E-03	1.70E-05
2053	437832.2	3725199	1.33E-02	2.41E-04	2.67E-03	3.88E-05	1.42E-02	1.82E-04	1.51E-03	1.63E-05
2054	437854.1	3725219	1.31E-02	2.43E-04	2.62E-03	3.97E-05	1.39E-02	1.86E-04	1.48E-03	1.69E-05
2055	437849.7	3725211	1.28E-02	2.37E-04	2.57E-03	3.87E-05	1.37E-02	1.81E-04	1.45E-03	1.64E-05
2056	437845.4	3725203	1.25E-02	2.30E-04	2.50E-03	3.74E-05	1.33E-02	1.75E-04	1.42E-03	1.59E-05
2057	437841	3725195	1.21E-02	2.22E-04	2.43E-03	3.60E-05	1.29E-02	1.69E-04	1.38E-03	1.53E-05
2058	437933.7	3725156	5.79E-03	1.17E-04	1.16E-03	2.09E-05	6.17E-03	9.82E-05	6.67E-04	9.44E-06
2059	437929.3	3725148	5.69E-03	1.14E-04	1.14E-03	2.04E-05	6.07E-03	9.59E-05	6.56E-04	9.21E-06
2060	437951.4	3725147	5.04E-03	1.04E-04	1.02E-03	1.88E-05	5.38E-03	8.85E-05	5.83E-04	8.57E-06
2061	438061.6	3725120	2.78E-03	6.29E-05	5.62E-04	1.22E-05	2.97E-03	5.76E-05	3.24E-04	5.79E-06
2062	438048.5	3725095	2.68E-03	5.99E-05	5.43E-04	1.16E-05	2.87E-03	5.46E-05	3.14E-04	5.46E-06
2063	438088.1	3725105	2.39E-03	5.52E-05	4.84E-04	1.09E-05	2.55E-03	5.12E-05	2.80E-04	5.17E-06
2064	438083.7	3725097	2.37E-03	5.44E-05	4.80E-04	1.07E-05	2.53E-03	5.04E-05	2.77E-04	5.09E-06
2065	438079.4	3725089	2.34E-03	5.35E-05	4.74E-04	1.05E-05	2.50E-03	4.95E-05	2.74E-04	4.99E-06
2066	438075	3725081	2.31E-03	5.26E-05	4.68E-04	1.03E-05	2.47E-03	4.86E-05	2.71E-04	4.89E-06
2067	438070.7	3725073	2.28E-03	5.16E-05	4.62E-04	1.01E-05	2.44E-03	4.76E-05	2.67E-04	4.80E-06
2068	438122.2	3725164	2.43E-03	5.83E-05	4.91E-04	1.17E-05	2.59E-03	5.52E-05	2.84E-04	5.62E-06

2069	438123.2	3725173	2.46E-03	5.94E-05	4.98E-04	1.19E-05	2.63E-03	5.63E-05	2.88E-04	5.74E-06
2070	438114.6	3725091	2.08E-03	4.88E-05	4.22E-04	9.73E-06	2.22E-03	4.58E-05	2.44E-04	4.66E-06
2071	438110.2	3725083	2.06E-03	4.82E-05	4.18E-04	9.58E-06	2.20E-03	4.52E-05	2.42E-04	4.58E-06
2072	438105.9	3725075	2.04E-03	4.74E-05	4.13E-04	9.42E-06	2.18E-03	4.44E-05	2.40E-04	4.50E-06
2073	438101.5	3725067	2.01E-03	4.66E-05	4.08E-04	9.25E-06	2.15E-03	4.36E-05	2.37E-04	4.42E-06
2074	438097.2	3725059	1.98E-03	4.58E-05	4.02E-04	9.07E-06	2.12E-03	4.27E-05	2.33E-04	4.33E-06
2075	438147.8	3725142	2.08E-03	5.06E-05	4.21E-04	1.02E-05	2.22E-03	4.83E-05	2.44E-04	4.94E-06
2076	438148.8	3725151	2.11E-03	5.15E-05	4.27E-04	1.04E-05	2.25E-03	4.92E-05	2.47E-04	5.04E-06
2077	438149.8	3725160	2.14E-03	5.25E-05	4.34E-04	1.07E-05	2.29E-03	5.02E-05	2.51E-04	5.14E-06
2078	438150.7	3725169	2.17E-03	5.34E-05	4.40E-04	1.09E-05	2.32E-03	5.12E-05	2.54E-04	5.25E-06
2079	438176.1	3725145	1.88E-03	4.66E-05	3.81E-04	9.55E-06	2.01E-03	4.50E-05	2.21E-04	4.63E-06
2080	438177.1	3725154	1.90E-03	4.74E-05	3.85E-04	9.72E-06	2.03E-03	4.58E-05	2.23E-04	4.72E-06
2081	438178	3725163	1.92E-03	4.81E-05	3.90E-04	9.88E-06	2.05E-03	4.66E-05	2.26E-04	4.80E-06
2082	438179	3725172	1.94E-03	4.88E-05	3.94E-04	1.00E-05	2.08E-03	4.73E-05	2.28E-04	4.88E-06
2083	438183.8	3725217	2.01E-03	5.16E-05	4.08E-04	1.07E-05	2.15E-03	5.05E-05	2.36E-04	5.23E-06
2084	438184.7	3725226	2.02E-03	5.21E-05	4.10E-04	1.08E-05	2.16E-03	5.11E-05	2.38E-04	5.29E-06
2085	438221.5	3725044	1.31E-03	3.27E-05	2.66E-04	6.76E-06	1.40E-03	3.19E-05	1.55E-04	3.29E-06
2086	438220.6	3725035	1.29E-03	3.20E-05	2.62E-04	6.62E-06	1.38E-03	3.12E-05	1.52E-04	3.23E-06
2087	438216.2	3725027	1.28E-03	3.17E-05	2.60E-04	6.54E-06	1.37E-03	3.08E-05	1.51E-04	3.18E-06
2088	438211.9	3725019	1.26E-03	3.12E-05	2.57E-04	6.44E-06	1.35E-03	3.04E-05	1.50E-04	3.13E-06
2089	438207.5	3725011	1.25E-03	3.08E-05	2.54E-04	6.34E-06	1.34E-03	2.99E-05	1.48E-04	3.08E-06
2090	438203.2	3725002	1.23E-03	3.03E-05	2.51E-04	6.23E-06	1.32E-03	2.94E-05	1.46E-04	3.03E-06
2091	438250.9	3725058	1.24E-03	3.15E-05	2.52E-04	6.57E-06	1.32E-03	3.10E-05	1.47E-04	3.21E-06
2092	438251.9	3725067	1.26E-03	3.22E-05	2.57E-04	6.71E-06	1.35E-03	3.17E-05	1.49E-04	3.28E-06
2093	438252.8	3725076	1.28E-03	3.28E-05	2.61E-04	6.85E-06	1.37E-03	3.23E-05	1.52E-04	3.35E-06
2094	438266.3	3725203	1.44E-03	3.85E-05	2.92E-04	8.18E-06	1.54E-03	3.86E-05	1.70E-04	4.04E-06
2095	438267.2	3725213	1.44E-03	3.88E-05	2.93E-04	8.25E-06	1.54E-03	3.89E-05	1.70E-04	4.07E-06
2096	438273	3725267	1.45E-03	4.00E-05	2.95E-04	8.61E-06	1.55E-03	4.06E-05	1.72E-04	4.27E-06
2097	438274	3725276	1.45E-03	4.02E-05	2.96E-04	8.66E-06	1.55E-03	4.09E-05	1.72E-04	4.30E-06
2098	438275.5	3725025	1.07E-03	2.74E-05	2.18E-04	5.75E-06	1.14E-03	2.72E-05	1.27E-04	2.82E-06
2099	438276.5	3725035	1.09E-03	2.81E-05	2.22E-04	5.89E-06	1.17E-03	2.78E-05	1.30E-04	2.89E-06
2100	438277.4	3725044	1.12E-03	2.87E-05	2.27E-04	6.03E-06	1.19E-03	2.84E-05	1.32E-04	2.96E-06
2101	438278.4	3725053	1.14E-03	2.94E-05	2.32E-04	6.16E-06	1.22E-03	2.91E-05	1.35E-04	3.03E-06
2102	438297.8	3725237	1.29E-03	3.57E-05	2.63E-04	7.69E-06	1.38E-03	3.63E-05	1.53E-04	3.82E-06
2103	438298.8	3725246	1.30E-03	3.59E-05	2.64E-04	7.75E-06	1.38E-03	3.66E-05	1.54E-04	3.85E-06
2104	438299.8	3725256	1.30E-03	3.61E-05	2.64E-04	7.80E-06	1.39E-03	3.68E-05	1.54E-04	3.88E-06
2105	438300.7	3725265	1.30E-03	3.63E-05	2.64E-04	7.84E-06	1.39E-03	3.70E-05	1.54E-04	3.90E-06
2106	438301.7	3725274	1.30E-03	3.65E-05	2.65E-04	7.90E-06	1.39E-03	3.73E-05	1.55E-04	3.93E-06
2107	438302	3725011	9.59E-04	2.49E-05	1.95E-04	5.26E-06	1.03E-03	2.48E-05	1.14E-04	2.59E-06
2108	438302.9	3725020	9.81E-04	2.55E-05	2.00E-04	5.39E-06	1.05E-03	2.54E-05	1.17E-04	2.65E-06
2109	438303.9	3725029	1.00E-03	2.61E-05	2.04E-04	5.51E-06	1.07E-03	2.60E-05	1.19E-04	2.71E-06
2110	438304.9	3725038	1.02E-03	2.67E-05	2.08E-04	5.63E-06	1.09E-03	2.66E-05	1.21E-04	2.77E-06
2111	438310.6	3725093	1.12E-03	2.95E-05	2.27E-04	6.26E-06	1.19E-03	2.95E-05	1.32E-04	3.09E-06
2112	438311.6	3725102	1.13E-03	2.99E-05	2.29E-04	6.34E-06	1.20E-03	2.99E-05	1.33E-04	3.13E-06
2113	438312.5	3725111	1.14E-03	3.02E-05	2.31E-04	6.42E-06	1.21E-03	3.03E-05	1.35E-04	3.17E-06
2114	438313.5	3725120	1.14E-03	3.05E-05	2.33E-04	6.50E-06	1.22E-03	3.07E-05	1.36E-04	3.21E-06
2115	438314.4	3725129	1.15E-03	3.08E-05	2.34E-04	6.56E-06	1.23E-03	3.10E-05	1.36E-04	3.24E-06
2116	438315.4	3725139	1.16E-03	3.11E-05	2.35E-04	6.63E-06	1.24E-03	3.13E-05	1.37E-04	3.28E-06
2117	438326.9	3725248	1.17E-03	3.29E-05	2.38E-04	7.14E-06	1.25E-03	3.37E-05	1.39E-04	3.56E-06
2118	438347.9	3725093	1.00E-03	2.69E-05	2.04E-04	5.77E-06	1.07E-03	2.72E-05	1.19E-04	2.85E-06
2119	438348.9	3725102	1.01E-03	2.72E-05	2.05E-04	5.83E-06	1.08E-03	2.75E-05	1.20E-04	2.89E-06
2120	438349.9	3725111	1.01E-03	2.75E-05	2.06E-04	5.89E-06	1.08E-03	2.78E-05	1.20E-04	2.92E-06
2121	438350.8	3725121	1.02E-03	2.77E-05	2.07E-04	5.95E-06	1.09E-03	2.81E-05	1.21E-04	2.95E-06
2122	438351.8	3725130	1.02E-03	2.79E-05	2.09E-04	6.01E-06	1.10E-03	2.84E-05	1.22E-04	2.98E-06
2123	438352.7	3725139	1.03E-03	2.82E-05	2.09E-04	6.06E-06	1.10E-03	2.86E-05	1.22E-04	3.01E-06
2124	438371.1	3725313	1.04E-03	3.01E-05	2.11E-04	6.65E-06	1.11E-03	3.14E-05	1.24E-04	3.33E-06

2125	438372	3725322	1.04E-03	3.04E-05	2.12E-04	6.70E-06	1.11E-03	3.17E-05	1.24E-04	3.36E-06
2126	438373	3725331	1.04E-03	3.05E-05	2.13E-04	6.75E-06	1.12E-03	3.19E-05	1.25E-04	3.39E-06
2127	438374	3725340	1.05E-03	3.07E-05	2.13E-04	6.79E-06	1.12E-03	3.21E-05	1.25E-04	3.41E-06
2128	438375.9	3725358	1.05E-03	3.10E-05	2.14E-04	6.86E-06	1.12E-03	3.24E-05	1.26E-04	3.45E-06
2129	438383.3	3725075	8.84E-04	2.41E-05	1.80E-04	5.19E-06	9.45E-04	2.45E-05	1.05E-04	2.58E-06
2130	438384.3	3725084	8.92E-04	2.44E-05	1.82E-04	5.26E-06	9.54E-04	2.48E-05	1.06E-04	2.61E-06
2131	438385.3	3725093	8.99E-04	2.46E-05	1.83E-04	5.32E-06	9.61E-04	2.51E-05	1.07E-04	2.64E-06
2132	438386.2	3725102	9.05E-04	2.49E-05	1.84E-04	5.37E-06	9.68E-04	2.54E-05	1.08E-04	2.67E-06
2133	438387.2	3725112	9.11E-04	2.51E-05	1.86E-04	5.43E-06	9.74E-04	2.56E-05	1.09E-04	2.70E-06
2134	438388.2	3725121	9.16E-04	2.53E-05	1.87E-04	5.48E-06	9.79E-04	2.59E-05	1.09E-04	2.73E-06
2135	438389.1	3725130	9.21E-04	2.55E-05	1.88E-04	5.53E-06	9.84E-04	2.61E-05	1.10E-04	2.75E-06
2136	438394.9	3725185	9.31E-04	2.63E-05	1.90E-04	5.74E-06	9.95E-04	2.71E-05	1.11E-04	2.87E-06
2137	438395.9	3725194	9.30E-04	2.64E-05	1.90E-04	5.77E-06	9.94E-04	2.72E-05	1.11E-04	2.88E-06
2138	438396.9	3725204	9.30E-04	2.65E-05	1.89E-04	5.79E-06	9.94E-04	2.73E-05	1.11E-04	2.89E-06
2139	438397.8	3725213	9.27E-04	2.65E-05	1.89E-04	5.80E-06	9.91E-04	2.74E-05	1.11E-04	2.90E-06
2140	438409.5	3725323	9.30E-04	2.74E-05	1.90E-04	6.09E-06	9.94E-04	2.88E-05	1.11E-04	3.06E-06
2141	438410.4	3725332	9.32E-04	2.76E-05	1.90E-04	6.13E-06	9.97E-04	2.89E-05	1.11E-04	3.08E-06
2142	438415.3	3725378	9.29E-04	2.78E-05	1.89E-04	6.20E-06	9.93E-04	2.93E-05	1.11E-04	3.12E-06
2143	438416.2	3725387	9.26E-04	2.78E-05	1.89E-04	6.20E-06	9.90E-04	2.93E-05	1.11E-04	3.12E-06
2144	438417.2	3725396	9.22E-04	2.77E-05	1.88E-04	6.19E-06	9.86E-04	2.93E-05	1.10E-04	3.12E-06
2145	438418.2	3725406	9.18E-04	2.76E-05	1.87E-04	6.18E-06	9.82E-04	2.92E-05	1.10E-04	3.12E-06
2146	438420.4	3725073	8.02E-04	2.22E-05	1.63E-04	4.82E-06	8.57E-04	2.27E-05	9.57E-05	2.40E-06
2147	438421.4	3725082	8.08E-04	2.24E-05	1.65E-04	4.87E-06	8.64E-04	2.30E-05	9.64E-05	2.42E-06
2148	438422.3	3725091	8.13E-04	2.26E-05	1.66E-04	4.92E-06	8.69E-04	2.32E-05	9.70E-05	2.45E-06
2149	438423.3	3725100	8.18E-04	2.28E-05	1.67E-04	4.96E-06	8.75E-04	2.34E-05	9.76E-05	2.47E-06
2150	438424.2	3725109	8.23E-04	2.30E-05	1.68E-04	5.01E-06	8.80E-04	2.37E-05	9.82E-05	2.50E-06
2151	438425.2	3725118	8.27E-04	2.32E-05	1.69E-04	5.05E-06	8.84E-04	2.39E-05	9.87E-05	2.52E-06
2152	438430	3725163	8.38E-04	2.38E-05	1.71E-04	5.22E-06	8.96E-04	2.47E-05	1.00E-04	2.61E-06
2153	438430.9	3725172	8.39E-04	2.40E-05	1.71E-04	5.25E-06	8.97E-04	2.48E-05	1.00E-04	2.63E-06
2154	438431.9	3725182	8.40E-04	2.40E-05	1.71E-04	5.28E-06	8.98E-04	2.49E-05	1.00E-04	2.64E-06
2155	438432.8	3725191	8.39E-04	2.41E-05	1.71E-04	5.30E-06	8.97E-04	2.50E-05	1.00E-04	2.65E-06
2156	438433.8	3725200	8.39E-04	2.41E-05	1.71E-04	5.31E-06	8.97E-04	2.51E-05	1.00E-04	2.66E-06
2157	438434.7	3725209	8.38E-04	2.42E-05	1.71E-04	5.33E-06	8.95E-04	2.52E-05	1.00E-04	2.67E-06
2158	438435.7	3725218	8.36E-04	2.42E-05	1.71E-04	5.34E-06	8.94E-04	2.52E-05	9.99E-05	2.68E-06
2159	438436.6	3725227	8.35E-04	2.43E-05	1.70E-04	5.36E-06	8.93E-04	2.53E-05	9.98E-05	2.69E-06
2160	438453.9	3725390	8.31E-04	2.51E-05	1.70E-04	5.64E-06	8.88E-04	2.66E-05	9.96E-05	2.85E-06
2161	438454.8	3725399	8.28E-04	2.51E-05	1.69E-04	5.63E-06	8.85E-04	2.66E-05	9.92E-05	2.84E-06
2162	438455.8	3725408	8.24E-04	2.50E-05	1.68E-04	5.62E-06	8.82E-04	2.66E-05	9.89E-05	2.84E-06
2163	438456.7	3725417	8.21E-04	2.50E-05	1.68E-04	5.61E-06	8.78E-04	2.65E-05	9.85E-05	2.84E-06
2164	438457.7	3725426	8.17E-04	2.49E-05	1.67E-04	5.60E-06	8.74E-04	2.65E-05	9.80E-05	2.83E-06
2165	438458.6	3725435	8.13E-04	2.48E-05	1.66E-04	5.58E-06	8.69E-04	2.64E-05	9.75E-05	2.82E-06
2166	438455.8	3725055	7.20E-04	2.01E-05	1.47E-04	4.39E-06	7.70E-04	2.07E-05	8.61E-05	2.19E-06
2167	438456.8	3725064	7.26E-04	2.03E-05	1.48E-04	4.44E-06	7.76E-04	2.09E-05	8.67E-05	2.21E-06
2168	438457.7	3725073	7.30E-04	2.05E-05	1.49E-04	4.48E-06	7.81E-04	2.12E-05	8.73E-05	2.24E-06
2169	438458.7	3725082	7.35E-04	2.07E-05	1.50E-04	4.52E-06	7.86E-04	2.14E-05	8.78E-05	2.26E-06
2170	438459.6	3725091	7.39E-04	2.09E-05	1.51E-04	4.56E-06	7.90E-04	2.16E-05	8.83E-05	2.28E-06
2171	438460.6	3725100	7.43E-04	2.10E-05	1.51E-04	4.60E-06	7.94E-04	2.17E-05	8.88E-05	2.30E-06
2172	438461.6	3725109	7.46E-04	2.12E-05	1.52E-04	4.64E-06	7.98E-04	2.19E-05	8.92E-05	2.32E-06
2173	438467.3	3725164	7.61E-04	2.19E-05	1.55E-04	4.83E-06	8.14E-04	2.28E-05	9.10E-05	2.42E-06
2174	438468.3	3725173	7.62E-04	2.20E-05	1.55E-04	4.86E-06	8.14E-04	2.30E-05	9.11E-05	2.44E-06
2175	438469.2	3725182	7.62E-04	2.21E-05	1.55E-04	4.88E-06	8.15E-04	2.31E-05	9.12E-05	2.45E-06
2176	438470.2	3725191	7.63E-04	2.22E-05	1.56E-04	4.90E-06	8.15E-04	2.32E-05	9.12E-05	2.46E-06
2177	438471.2	3725200	7.63E-04	2.22E-05	1.56E-04	4.92E-06	8.16E-04	2.32E-05	9.13E-05	2.47E-06
2178	438472.1	3725209	7.62E-04	2.23E-05	1.55E-04	4.93E-06	8.15E-04	2.33E-05	9.12E-05	2.48E-06
2179	438476.9	3725255	7.44E-04	2.21E-05	1.52E-04	4.91E-06	7.95E-04	2.32E-05	8.91E-05	2.47E-06
2180	438477.9	3725264	7.39E-04	2.20E-05	1.51E-04	4.90E-06	7.91E-04	2.32E-05	8.86E-05	2.47E-06

2181	438478.8	3725273	7.38E-04	2.20E-05	1.51E-04	4.91E-06	7.90E-04	2.32E-05	8.85E-05	2.48E-06
2182	438479.8	3725282	7.38E-04	2.21E-05	1.51E-04	4.93E-06	7.89E-04	2.33E-05	8.85E-05	2.48E-06
2183	438480.8	3725291	7.38E-04	2.21E-05	1.51E-04	4.94E-06	7.89E-04	2.33E-05	8.85E-05	2.49E-06
2184	438493.2	3725410	7.44E-04	2.28E-05	1.52E-04	5.13E-06	7.95E-04	2.42E-05	8.93E-05	2.60E-06
2185	438494.2	3725419	7.40E-04	2.27E-05	1.51E-04	5.12E-06	7.92E-04	2.42E-05	8.89E-05	2.59E-06
2186	438495.2	3725428	7.38E-04	2.26E-05	1.51E-04	5.11E-06	7.89E-04	2.42E-05	8.86E-05	2.59E-06
2187	438492.1	3725046	6.51E-04	1.84E-05	1.33E-04	4.04E-06	6.96E-04	1.91E-05	7.79E-05	2.02E-06
2188	438493.1	3725055	6.55E-04	1.86E-05	1.34E-04	4.07E-06	7.00E-04	1.92E-05	7.84E-05	2.04E-06
2189	438494.1	3725064	6.59E-04	1.87E-05	1.34E-04	4.11E-06	7.05E-04	1.94E-05	7.89E-05	2.06E-06
2190	438495	3725073	6.63E-04	1.89E-05	1.35E-04	4.15E-06	7.09E-04	1.96E-05	7.94E-05	2.08E-06
2191	438496	3725082	6.67E-04	1.91E-05	1.36E-04	4.19E-06	7.14E-04	1.98E-05	7.99E-05	2.10E-06
2192	438497	3725091	6.71E-04	1.92E-05	1.37E-04	4.23E-06	7.18E-04	2.00E-05	8.03E-05	2.12E-06
2193	438497.9	3725100	6.74E-04	1.93E-05	1.38E-04	4.26E-06	7.21E-04	2.01E-05	8.07E-05	2.14E-06
2194	438502.8	3725146	6.91E-04	2.01E-05	1.41E-04	4.44E-06	7.39E-04	2.10E-05	8.28E-05	2.23E-06
2195	438503.7	3725155	6.93E-04	2.02E-05	1.41E-04	4.46E-06	7.41E-04	2.11E-05	8.29E-05	2.24E-06
2196	438504.7	3725164	6.94E-04	2.02E-05	1.42E-04	4.49E-06	7.42E-04	2.12E-05	8.31E-05	2.25E-06
2197	438505.6	3725174	6.94E-04	2.03E-05	1.42E-04	4.51E-06	7.43E-04	2.13E-05	8.32E-05	2.27E-06
2198	438506.6	3725183	6.96E-04	2.04E-05	1.42E-04	4.53E-06	7.44E-04	2.14E-05	8.34E-05	2.28E-06
2199	438507.6	3725192	6.98E-04	2.05E-05	1.43E-04	4.56E-06	7.47E-04	2.15E-05	8.37E-05	2.29E-06
2200	438508.5	3725201	7.00E-04	2.06E-05	1.43E-04	4.59E-06	7.49E-04	2.17E-05	8.39E-05	2.31E-06
2201	438514.3	3725256	6.80E-04	2.04E-05	1.39E-04	4.56E-06	7.28E-04	2.15E-05	8.17E-05	2.30E-06
2202	438515.3	3725265	6.77E-04	2.03E-05	1.38E-04	4.55E-06	7.24E-04	2.15E-05	8.13E-05	2.30E-06
2203	438516.3	3725274	6.76E-04	2.03E-05	1.38E-04	4.56E-06	7.22E-04	2.15E-05	8.11E-05	2.30E-06
2204	438517.2	3725283	6.74E-04	2.03E-05	1.38E-04	4.56E-06	7.21E-04	2.15E-05	8.09E-05	2.30E-06
2205	438518.2	3725292	6.72E-04	2.03E-05	1.37E-04	4.56E-06	7.18E-04	2.15E-05	8.07E-05	2.30E-06
2206	438519.1	3725302	6.71E-04	2.03E-05	1.37E-04	4.56E-06	7.17E-04	2.16E-05	8.06E-05	2.31E-06
2207	438527.5	3725027	5.89E-04	1.68E-05	1.20E-04	3.70E-06	6.29E-04	1.75E-05	7.06E-05	1.86E-06
2208	438528.5	3725037	5.92E-04	1.69E-05	1.21E-04	3.74E-06	6.33E-04	1.76E-05	7.10E-05	1.87E-06
2209	438529.5	3725046	5.96E-04	1.71E-05	1.22E-04	3.77E-06	6.37E-04	1.78E-05	7.14E-05	1.89E-06
2210	438530.4	3725055	5.99E-04	1.72E-05	1.22E-04	3.80E-06	6.41E-04	1.80E-05	7.18E-05	1.91E-06
2211	438531.4	3725064	6.03E-04	1.74E-05	1.23E-04	3.83E-06	6.44E-04	1.81E-05	7.22E-05	1.92E-06
2212	438532.4	3725073	6.06E-04	1.75E-05	1.24E-04	3.87E-06	6.48E-04	1.83E-05	7.26E-05	1.94E-06
2213	438533.3	3725082	6.09E-04	1.76E-05	1.24E-04	3.90E-06	6.51E-04	1.84E-05	7.30E-05	1.96E-06
2214	438534.3	3725092	6.12E-04	1.77E-05	1.25E-04	3.93E-06	6.55E-04	1.86E-05	7.34E-05	1.97E-06
2215	438539.2	3725137	6.30E-04	1.85E-05	1.29E-04	4.10E-06	6.73E-04	1.94E-05	7.55E-05	2.06E-06
2216	438540.1	3725147	6.33E-04	1.86E-05	1.29E-04	4.13E-06	6.77E-04	1.95E-05	7.59E-05	2.08E-06
2217	438541.1	3725156	6.35E-04	1.87E-05	1.30E-04	4.16E-06	6.79E-04	1.97E-05	7.62E-05	2.09E-06
2218	438542.1	3725165	6.37E-04	1.88E-05	1.30E-04	4.19E-06	6.81E-04	1.98E-05	7.64E-05	2.11E-06
2219	438543	3725174	6.39E-04	1.89E-05	1.31E-04	4.21E-06	6.84E-04	1.99E-05	7.67E-05	2.12E-06
2220	438544	3725183	6.40E-04	1.90E-05	1.31E-04	4.23E-06	6.85E-04	2.00E-05	7.68E-05	2.13E-06
2221	438545	3725193	6.40E-04	1.90E-05	1.31E-04	4.25E-06	6.85E-04	2.01E-05	7.69E-05	2.14E-06
2222	438549.8	3725238	6.35E-04	1.91E-05	1.30E-04	4.28E-06	6.79E-04	2.02E-05	7.63E-05	2.16E-06
2223	438550.8	3725248	6.32E-04	1.90E-05	1.29E-04	4.27E-06	6.75E-04	2.02E-05	7.59E-05	2.16E-06
2224	438551.7	3725257	6.28E-04	1.90E-05	1.28E-04	4.26E-06	6.72E-04	2.01E-05	7.55E-05	2.15E-06
2225	438552.7	3725266	6.25E-04	1.89E-05	1.28E-04	4.25E-06	6.68E-04	2.01E-05	7.51E-05	2.15E-06
2226	438553.7	3725275	6.20E-04	1.88E-05	1.27E-04	4.23E-06	6.63E-04	2.00E-05	7.45E-05	2.14E-06
2227	438554.6	3725284	6.16E-04	1.87E-05	1.26E-04	4.22E-06	6.58E-04	1.99E-05	7.40E-05	2.13E-06
2228	438555.6	3725294	6.11E-04	1.86E-05	1.25E-04	4.20E-06	6.54E-04	1.99E-05	7.35E-05	2.13E-06
2229	438561.4	3725349	6.12E-04	1.88E-05	1.25E-04	4.26E-06	6.55E-04	2.01E-05	7.37E-05	2.16E-06
2230	438564.9	3725028	5.40E-04	1.56E-05	1.10E-04	3.46E-06	5.78E-04	1.63E-05	6.49E-05	1.74E-06
2231	438565.8	3725037	5.43E-04	1.57E-05	1.11E-04	3.49E-06	5.81E-04	1.65E-05	6.52E-05	1.75E-06
2232	438566.8	3725046	5.46E-04	1.59E-05	1.12E-04	3.52E-06	5.84E-04	1.66E-05	6.56E-05	1.77E-06
2233	438567.8	3725055	5.49E-04	1.60E-05	1.12E-04	3.54E-06	5.87E-04	1.67E-05	6.59E-05	1.78E-06
2234	438568.7	3725064	5.52E-04	1.61E-05	1.13E-04	3.58E-06	5.91E-04	1.69E-05	6.63E-05	1.80E-06
2235	438569.7	3725074	5.56E-04	1.62E-05	1.13E-04	3.61E-06	5.94E-04	1.70E-05	6.67E-05	1.82E-06
2236	438575.5	3725129	5.76E-04	1.70E-05	1.18E-04	3.80E-06	6.16E-04	1.79E-05	6.91E-05	1.91E-06

2237	438576.5	3725138	5.79E-04	1.72E-05	1.18E-04	3.83E-06	6.20E-04	1.81E-05	6.96E-05	1.93E-06
2238	438577.5	3725147	5.83E-04	1.73E-05	1.19E-04	3.86E-06	6.23E-04	1.83E-05	7.00E-05	1.95E-06
2239	438578.5	3725156	5.86E-04	1.74E-05	1.20E-04	3.89E-06	6.26E-04	1.84E-05	7.03E-05	1.96E-06
2240	438579.4	3725166	5.88E-04	1.75E-05	1.20E-04	3.92E-06	6.29E-04	1.85E-05	7.07E-05	1.98E-06
2241	438580.4	3725175	5.91E-04	1.76E-05	1.21E-04	3.95E-06	6.32E-04	1.86E-05	7.10E-05	1.99E-06
2242	438581.4	3725184	5.91E-04	1.77E-05	1.21E-04	3.96E-06	6.32E-04	1.87E-05	7.10E-05	2.00E-06
2243	438586.2	3725230	5.86E-04	1.77E-05	1.20E-04	3.99E-06	6.27E-04	1.88E-05	7.05E-05	2.02E-06
2244	438587.2	3725239	5.84E-04	1.77E-05	1.19E-04	3.98E-06	6.24E-04	1.88E-05	7.02E-05	2.02E-06
2245	438588.2	3725249	5.81E-04	1.77E-05	1.19E-04	3.98E-06	6.21E-04	1.88E-05	6.99E-05	2.01E-06
2246	438589.1	3725258	5.78E-04	1.76E-05	1.18E-04	3.97E-06	6.18E-04	1.87E-05	6.95E-05	2.01E-06
2247	438590.1	3725267	5.75E-04	1.75E-05	1.17E-04	3.96E-06	6.15E-04	1.87E-05	6.92E-05	2.00E-06
2248	438591.1	3725276	5.71E-04	1.75E-05	1.17E-04	3.94E-06	6.10E-04	1.86E-05	6.87E-05	2.00E-06
2249	438592.1	3725285	5.67E-04	1.74E-05	1.16E-04	3.93E-06	6.06E-04	1.86E-05	6.83E-05	1.99E-06
2250	438596.9	3725331	5.57E-04	1.72E-05	1.14E-04	3.90E-06	5.96E-04	1.85E-05	6.71E-05	1.98E-06
2251	438597.9	3725341	5.57E-04	1.72E-05	1.14E-04	3.91E-06	5.96E-04	1.85E-05	6.71E-05	1.99E-06
2252	438598.8	3725350	5.57E-04	1.73E-05	1.14E-04	3.92E-06	5.96E-04	1.85E-05	6.71E-05	1.99E-06
2253	438599.8	3725359	5.57E-04	1.73E-05	1.14E-04	3.93E-06	5.96E-04	1.86E-05	6.72E-05	1.99E-06
2254	438604.7	3725405	5.64E-04	1.76E-05	1.15E-04	4.00E-06	6.04E-04	1.89E-05	6.81E-05	2.03E-06
2255	438605.6	3725414	5.66E-04	1.77E-05	1.16E-04	4.02E-06	6.05E-04	1.90E-05	6.82E-05	2.04E-06
2256	438606.6	3725424	5.65E-04	1.77E-05	1.16E-04	4.02E-06	6.04E-04	1.90E-05	6.81E-05	2.04E-06
2257	438607.6	3725433	5.64E-04	1.76E-05	1.15E-04	4.02E-06	6.03E-04	1.90E-05	6.80E-05	2.04E-06
2258	438608.6	3725442	5.62E-04	1.76E-05	1.15E-04	4.01E-06	6.02E-04	1.90E-05	6.79E-05	2.04E-06
2259	438604.8	3725053	5.02E-04	1.48E-05	1.03E-04	3.30E-06	5.37E-04	1.56E-05	6.04E-05	1.66E-06
2260	438605.8	3725062	5.05E-04	1.49E-05	1.03E-04	3.32E-06	5.40E-04	1.57E-05	6.08E-05	1.68E-06
2261	438606.7	3725071	5.09E-04	1.50E-05	1.04E-04	3.36E-06	5.45E-04	1.59E-05	6.13E-05	1.69E-06
2262	438611.5	3725116	5.26E-04	1.57E-05	1.08E-04	3.51E-06	5.63E-04	1.66E-05	6.33E-05	1.77E-06
2263	438612.5	3725126	5.29E-04	1.58E-05	1.08E-04	3.54E-06	5.66E-04	1.67E-05	6.36E-05	1.79E-06
2264	438613.5	3725135	5.32E-04	1.59E-05	1.09E-04	3.57E-06	5.69E-04	1.68E-05	6.40E-05	1.80E-06
2265	438614.4	3725144	5.34E-04	1.60E-05	1.09E-04	3.59E-06	5.72E-04	1.70E-05	6.43E-05	1.81E-06
2266	438615.4	3725153	5.37E-04	1.61E-05	1.10E-04	3.62E-06	5.75E-04	1.71E-05	6.46E-05	1.83E-06
2267	438616.4	3725162	5.40E-04	1.62E-05	1.10E-04	3.65E-06	5.78E-04	1.72E-05	6.50E-05	1.84E-06
2268	438623.1	3725226	5.44E-04	1.66E-05	1.11E-04	3.73E-06	5.81E-04	1.77E-05	6.54E-05	1.89E-06
2269	438624	3725235	5.42E-04	1.65E-05	1.11E-04	3.73E-06	5.80E-04	1.76E-05	6.52E-05	1.89E-06
2270	438625	3725244	5.40E-04	1.65E-05	1.10E-04	3.73E-06	5.77E-04	1.76E-05	6.50E-05	1.89E-06
2271	438626	3725253	5.37E-04	1.65E-05	1.10E-04	3.72E-06	5.75E-04	1.76E-05	6.47E-05	1.89E-06
2272	438626.9	3725262	5.35E-04	1.64E-05	1.09E-04	3.72E-06	5.72E-04	1.76E-05	6.44E-05	1.88E-06
2273	438627.9	3725271	5.32E-04	1.64E-05	1.09E-04	3.70E-06	5.69E-04	1.75E-05	6.41E-05	1.88E-06
2274	438633.6	3725326	5.12E-04	1.59E-05	1.05E-04	3.62E-06	5.48E-04	1.71E-05	6.18E-05	1.84E-06
2275	438634.6	3725335	5.12E-04	1.59E-05	1.05E-04	3.62E-06	5.47E-04	1.71E-05	6.17E-05	1.84E-06
2276	438635.6	3725344	5.11E-04	1.59E-05	1.05E-04	3.63E-06	5.47E-04	1.71E-05	6.17E-05	1.84E-06
2277	438636.5	3725353	5.10E-04	1.59E-05	1.04E-04	3.63E-06	5.46E-04	1.71E-05	6.16E-05	1.84E-06
2278	438641.3	3725399	5.16E-04	1.62E-05	1.06E-04	3.69E-06	5.52E-04	1.74E-05	6.23E-05	1.88E-06
2279	438642.3	3725408	5.18E-04	1.62E-05	1.06E-04	3.71E-06	5.54E-04	1.75E-05	6.25E-05	1.89E-06
2280	438643.3	3725417	5.20E-04	1.63E-05	1.06E-04	3.72E-06	5.56E-04	1.76E-05	6.28E-05	1.89E-06
2281	438644.2	3725426	5.20E-04	1.64E-05	1.06E-04	3.73E-06	5.57E-04	1.76E-05	6.28E-05	1.90E-06
2282	438645.2	3725435	5.21E-04	1.64E-05	1.07E-04	3.74E-06	5.57E-04	1.77E-05	6.29E-05	1.90E-06
2283	438646.1	3725445	5.21E-04	1.64E-05	1.07E-04	3.75E-06	5.58E-04	1.77E-05	6.29E-05	1.91E-06
2284	438646	3725089	4.79E-04	1.43E-05	9.80E-05	3.22E-06	5.13E-04	1.52E-05	5.77E-05	1.63E-06
2285	438647	3725099	4.82E-04	1.45E-05	9.86E-05	3.25E-06	5.16E-04	1.53E-05	5.81E-05	1.64E-06
2286	438647.9	3725108	4.85E-04	1.46E-05	9.92E-05	3.27E-06	5.19E-04	1.55E-05	5.84E-05	1.65E-06
2287	438648.9	3725117	4.88E-04	1.47E-05	9.97E-05	3.30E-06	5.22E-04	1.56E-05	5.87E-05	1.67E-06
2288	438649.9	3725126	4.89E-04	1.47E-05	1.00E-04	3.32E-06	5.24E-04	1.57E-05	5.89E-05	1.68E-06
2289	438650.8	3725135	4.91E-04	1.48E-05	1.00E-04	3.34E-06	5.25E-04	1.58E-05	5.91E-05	1.69E-06
2290	438651.8	3725144	4.93E-04	1.49E-05	1.01E-04	3.36E-06	5.27E-04	1.59E-05	5.93E-05	1.70E-06
2291	438652.8	3725153	4.94E-04	1.50E-05	1.01E-04	3.37E-06	5.29E-04	1.59E-05	5.95E-05	1.71E-06
2292	438653.7	3725163	4.96E-04	1.51E-05	1.01E-04	3.39E-06	5.31E-04	1.60E-05	5.98E-05	1.72E-06

2293	438658.5	3725208	5.06E-04	1.55E-05	1.04E-04	3.50E-06	5.41E-04	1.65E-05	6.10E-05	1.77E-06
2294	438659.5	3725217	5.05E-04	1.55E-05	1.03E-04	3.50E-06	5.41E-04	1.65E-05	6.09E-05	1.77E-06
2295	438660.5	3725227	5.04E-04	1.55E-05	1.03E-04	3.50E-06	5.40E-04	1.66E-05	6.08E-05	1.78E-06
2296	438661.4	3725236	5.04E-04	1.55E-05	1.03E-04	3.51E-06	5.39E-04	1.66E-05	6.07E-05	1.78E-06
2297	438662.4	3725245	5.02E-04	1.54E-05	1.03E-04	3.50E-06	5.37E-04	1.65E-05	6.05E-05	1.78E-06
2298	438663.4	3725254	5.00E-04	1.54E-05	1.02E-04	3.50E-06	5.34E-04	1.65E-05	6.02E-05	1.77E-06
2299	438664.3	3725263	4.98E-04	1.54E-05	1.02E-04	3.49E-06	5.32E-04	1.65E-05	6.00E-05	1.77E-06
2300	438670.1	3725318	4.80E-04	1.50E-05	9.82E-05	3.42E-06	5.14E-04	1.61E-05	5.80E-05	1.74E-06
2301	438671.1	3725327	4.78E-04	1.49E-05	9.78E-05	3.40E-06	5.11E-04	1.61E-05	5.77E-05	1.73E-06
2302	438672	3725336	4.76E-04	1.49E-05	9.75E-05	3.40E-06	5.10E-04	1.61E-05	5.75E-05	1.73E-06
2303	438673	3725345	4.75E-04	1.49E-05	9.73E-05	3.40E-06	5.08E-04	1.61E-05	5.74E-05	1.73E-06
2304	438674	3725355	4.74E-04	1.49E-05	9.70E-05	3.40E-06	5.07E-04	1.61E-05	5.73E-05	1.73E-06
2305	438674.9	3725364	4.75E-04	1.49E-05	9.71E-05	3.40E-06	5.08E-04	1.61E-05	5.73E-05	1.73E-06
2306	438679.8	3725410	4.79E-04	1.51E-05	9.81E-05	3.46E-06	5.13E-04	1.63E-05	5.79E-05	1.76E-06
2307	438680.7	3725419	4.81E-04	1.52E-05	9.84E-05	3.47E-06	5.14E-04	1.64E-05	5.81E-05	1.77E-06
2308	438681.7	3725428	4.82E-04	1.52E-05	9.86E-05	3.48E-06	5.15E-04	1.65E-05	5.82E-05	1.77E-06
2309	438682.7	3725437	4.83E-04	1.53E-05	9.89E-05	3.49E-06	5.17E-04	1.65E-05	5.84E-05	1.78E-06
2310	438683.6	3725446	4.84E-04	1.53E-05	9.91E-05	3.50E-06	5.18E-04	1.66E-05	5.85E-05	1.78E-06
2311	438684.6	3725455	4.84E-04	1.53E-05	9.90E-05	3.50E-06	5.17E-04	1.66E-05	5.85E-05	1.78E-06
2312	438688.4	3725492	4.80E-04	1.53E-05	9.84E-05	3.49E-06	5.14E-04	1.65E-05	5.81E-05	1.78E-06
2313	438689.4	3725501	4.79E-04	1.52E-05	9.81E-05	3.49E-06	5.13E-04	1.65E-05	5.80E-05	1.78E-06
2314	438690.4	3725510	4.78E-04	1.52E-05	9.79E-05	3.48E-06	5.11E-04	1.65E-05	5.78E-05	1.77E-06
2315	438687.2	3725127	4.52E-04	1.38E-05	9.25E-05	3.11E-06	4.84E-04	1.47E-05	5.45E-05	1.57E-06
2316	438688.2	3725136	4.54E-04	1.38E-05	9.28E-05	3.12E-06	4.85E-04	1.48E-05	5.47E-05	1.58E-06
2317	438689.2	3725145	4.55E-04	1.39E-05	9.31E-05	3.14E-06	4.87E-04	1.48E-05	5.49E-05	1.59E-06
2318	438690.1	3725154	4.57E-04	1.40E-05	9.34E-05	3.16E-06	4.89E-04	1.49E-05	5.51E-05	1.60E-06
2319	438691.1	3725163	4.58E-04	1.40E-05	9.37E-05	3.17E-06	4.90E-04	1.50E-05	5.53E-05	1.61E-06
2320	438692.1	3725172	4.60E-04	1.41E-05	9.40E-05	3.19E-06	4.92E-04	1.51E-05	5.54E-05	1.62E-06
2321	438693	3725182	4.61E-04	1.42E-05	9.44E-05	3.21E-06	4.94E-04	1.52E-05	5.56E-05	1.63E-06
2322	438694	3725191	4.63E-04	1.42E-05	9.48E-05	3.23E-06	4.96E-04	1.53E-05	5.59E-05	1.64E-06
2323	438695	3725200	4.66E-04	1.43E-05	9.52E-05	3.25E-06	4.98E-04	1.54E-05	5.62E-05	1.65E-06
2324	438695.9	3725209	4.67E-04	1.44E-05	9.55E-05	3.26E-06	4.99E-04	1.54E-05	5.63E-05	1.66E-06
2325	438696.9	3725218	4.67E-04	1.44E-05	9.55E-05	3.27E-06	4.99E-04	1.55E-05	5.63E-05	1.66E-06
2326	438697.9	3725227	4.66E-04	1.44E-05	9.54E-05	3.27E-06	4.99E-04	1.55E-05	5.63E-05	1.66E-06
2327	438698.8	3725237	4.66E-04	1.44E-05	9.53E-05	3.28E-06	4.98E-04	1.55E-05	5.62E-05	1.66E-06
2328	438699.8	3725246	4.65E-04	1.44E-05	9.52E-05	3.28E-06	4.98E-04	1.55E-05	5.61E-05	1.67E-06
2329	438700.8	3725255	4.64E-04	1.44E-05	9.50E-05	3.28E-06	4.97E-04	1.55E-05	5.61E-05	1.67E-06
2330	438705.6	3725301	4.55E-04	1.42E-05	9.31E-05	3.25E-06	4.87E-04	1.54E-05	5.50E-05	1.65E-06
2331	438706.6	3725310	4.52E-04	1.42E-05	9.26E-05	3.24E-06	4.84E-04	1.53E-05	5.47E-05	1.65E-06
2332	438707.5	3725319	4.50E-04	1.41E-05	9.21E-05	3.23E-06	4.81E-04	1.52E-05	5.44E-05	1.64E-06
2333	438708.5	3725328	4.48E-04	1.41E-05	9.17E-05	3.22E-06	4.79E-04	1.52E-05	5.41E-05	1.64E-06
2334	438709.5	3725338	4.47E-04	1.41E-05	9.15E-05	3.21E-06	4.78E-04	1.52E-05	5.40E-05	1.64E-06
2335	438710.4	3725347	4.45E-04	1.40E-05	9.12E-05	3.21E-06	4.76E-04	1.52E-05	5.38E-05	1.63E-06
2336	438711.4	3725356	4.44E-04	1.40E-05	9.09E-05	3.20E-06	4.75E-04	1.51E-05	5.37E-05	1.63E-06
2337	438712.4	3725365	4.45E-04	1.40E-05	9.10E-05	3.21E-06	4.76E-04	1.52E-05	5.38E-05	1.64E-06
2338	438717.2	3725411	4.48E-04	1.42E-05	9.17E-05	3.25E-06	4.79E-04	1.54E-05	5.42E-05	1.66E-06
2339	438718.2	3725420	4.48E-04	1.42E-05	9.18E-05	3.26E-06	4.80E-04	1.54E-05	5.42E-05	1.66E-06
2340	438719.1	3725429	4.49E-04	1.42E-05	9.20E-05	3.27E-06	4.80E-04	1.54E-05	5.43E-05	1.66E-06
2341	438720.1	3725438	4.50E-04	1.43E-05	9.21E-05	3.27E-06	4.81E-04	1.55E-05	5.44E-05	1.67E-06
2342	438721.1	3725448	4.50E-04	1.43E-05	9.22E-05	3.28E-06	4.82E-04	1.55E-05	5.45E-05	1.67E-06
2343	438722.1	3725457	4.50E-04	1.43E-05	9.22E-05	3.28E-06	4.82E-04	1.55E-05	5.45E-05	1.67E-06
2344	438723	3725466	4.50E-04	1.43E-05	9.22E-05	3.28E-06	4.82E-04	1.55E-05	5.45E-05	1.67E-06
2345	438724	3725475	4.50E-04	1.43E-05	9.22E-05	3.29E-06	4.81E-04	1.55E-05	5.45E-05	1.68E-06
2346	438725	3725484	4.49E-04	1.43E-05	9.19E-05	3.28E-06	4.80E-04	1.55E-05	5.43E-05	1.67E-06
2347	438725.9	3725493	4.48E-04	1.43E-05	9.17E-05	3.28E-06	4.79E-04	1.55E-05	5.42E-05	1.67E-06
2348	438726.9	3725503	4.46E-04	1.42E-05	9.15E-05	3.27E-06	4.78E-04	1.55E-05	5.40E-05	1.67E-06

2349	438727.9	3725512	4.45E-04	1.42E-05	9.12E-05	3.26E-06	4.76E-04	1.54E-05	5.39E-05	1.66E-06
2350	437709.7	3725188	3.09E-02	4.90E-04	6.19E-03	7.02E-05	3.29E-02	3.27E-04	3.51E-03	2.70E-05
2351	437702	3725182	2.88E-02	4.51E-04	5.78E-03	6.48E-05	3.07E-02	3.03E-04	3.29E-03	2.51E-05
2352	437715.4	3725179	2.44E-02	3.89E-04	4.91E-03	5.69E-05	2.61E-02	2.66E-04	2.79E-03	2.23E-05
2353	437707.6	3725174	2.29E-02	3.59E-04	4.60E-03	5.28E-05	2.44E-02	2.46E-04	2.63E-03	2.08E-05
2354	437721.1	3725171	2.00E-02	3.20E-04	4.02E-03	4.77E-05	2.13E-02	2.23E-04	2.30E-03	1.90E-05
2355	437713.3	3725166	1.88E-02	2.95E-04	3.78E-03	4.43E-05	2.00E-02	2.07E-04	2.17E-03	1.77E-05
2356	437726.7	3725163	1.68E-02	2.70E-04	3.40E-03	4.11E-05	1.80E-02	1.92E-04	1.95E-03	1.66E-05
2357	437719	3725158	1.58E-02	2.49E-04	3.19E-03	3.81E-05	1.68E-02	1.78E-04	1.84E-03	1.55E-05
2358	437732.4	3725155	1.45E-02	2.33E-04	2.92E-03	3.60E-05	1.54E-02	1.69E-04	1.68E-03	1.48E-05
2359	437724.6	3725149	1.35E-02	2.15E-04	2.74E-03	3.34E-05	1.45E-02	1.56E-04	1.59E-03	1.38E-05
2360	437797.9	3725190	1.58E-02	2.75E-04	3.16E-03	4.29E-05	1.68E-02	2.01E-04	1.79E-03	1.77E-05
2361	437738.1	3725147	1.26E-02	2.05E-04	2.55E-03	3.21E-05	1.35E-02	1.50E-04	1.47E-03	1.33E-05
2362	437730.3	3725141	1.18E-02	1.88E-04	2.39E-03	2.97E-05	1.26E-02	1.39E-04	1.39E-03	1.24E-05
2363	437803.1	3725181	1.38E-02	2.42E-04	2.76E-03	3.82E-05	1.47E-02	1.79E-04	1.57E-03	1.59E-05
2364	437813.2	3725193	1.45E-02	2.57E-04	2.89E-03	4.05E-05	1.54E-02	1.90E-04	1.64E-03	1.69E-05
2365	437790.3	3725170	1.32E-02	2.30E-04	2.65E-03	3.62E-05	1.41E-02	1.69E-04	1.51E-03	1.50E-05
2366	437782.5	3725165	1.30E-02	2.23E-04	2.61E-03	3.52E-05	1.38E-02	1.65E-04	1.49E-03	1.46E-05
2367	437774.7	3725160	1.26E-02	2.16E-04	2.54E-03	3.40E-05	1.35E-02	1.59E-04	1.45E-03	1.41E-05
2368	437767	3725154	1.22E-02	2.07E-04	2.46E-03	3.26E-05	1.30E-02	1.53E-04	1.41E-03	1.36E-05
2369	437759.2	3725149	1.18E-02	1.98E-04	2.38E-03	3.13E-05	1.26E-02	1.47E-04	1.37E-03	1.31E-05
2370	437751.5	3725144	1.14E-02	1.89E-04	2.30E-03	2.99E-05	1.22E-02	1.40E-04	1.33E-03	1.25E-05
2371	437743.7	3725138	1.09E-02	1.78E-04	2.21E-03	2.84E-05	1.17E-02	1.33E-04	1.28E-03	1.19E-05
2372	437736	3725133	1.03E-02	1.65E-04	2.09E-03	2.65E-05	1.10E-02	1.24E-04	1.22E-03	1.12E-05
2373	437809.4	3725174	1.22E-02	2.17E-04	2.45E-03	3.46E-05	1.30E-02	1.62E-04	1.39E-03	1.45E-05
2374	437820.8	3725187	1.29E-02	2.31E-04	2.58E-03	3.69E-05	1.37E-02	1.73E-04	1.46E-03	1.55E-05
2375	437795.9	3725162	1.16E-02	2.03E-04	2.33E-03	3.25E-05	1.24E-02	1.52E-04	1.33E-03	1.36E-05
2376	437788.2	3725157	1.14E-02	1.97E-04	2.29E-03	3.15E-05	1.21E-02	1.48E-04	1.31E-03	1.32E-05
2377	437780.4	3725151	1.11E-02	1.90E-04	2.23E-03	3.04E-05	1.18E-02	1.42E-04	1.28E-03	1.28E-05
2378	437772.7	3725146	1.07E-02	1.82E-04	2.15E-03	2.91E-05	1.14E-02	1.36E-04	1.23E-03	1.23E-05
2379	437764.9	3725141	1.03E-02	1.74E-04	2.09E-03	2.80E-05	1.10E-02	1.31E-04	1.20E-03	1.18E-05
2380	437757.1	3725135	9.96E-03	1.66E-04	2.02E-03	2.68E-05	1.06E-02	1.25E-04	1.17E-03	1.13E-05
2381	437749.4	3725130	9.51E-03	1.56E-04	1.93E-03	2.53E-05	1.02E-02	1.19E-04	1.12E-03	1.07E-05
2382	437741.6	3725125	9.00E-03	1.46E-04	1.83E-03	2.38E-05	9.64E-03	1.11E-04	1.07E-03	1.01E-05
2383	437814.6	3725165	1.09E-02	1.95E-04	2.19E-03	3.15E-05	1.16E-02	1.47E-04	1.25E-03	1.33E-05
2384	437825.2	3725177	1.14E-02	2.06E-04	2.29E-03	3.33E-05	1.22E-02	1.56E-04	1.30E-03	1.41E-05
2385	437801.6	3725154	1.03E-02	1.82E-04	2.08E-03	2.94E-05	1.10E-02	1.38E-04	1.19E-03	1.25E-05
2386	437793.8	3725148	1.01E-02	1.76E-04	2.03E-03	2.85E-05	1.07E-02	1.33E-04	1.16E-03	1.21E-05
2387	437786.1	3725143	9.81E-03	1.70E-04	1.98E-03	2.75E-05	1.05E-02	1.29E-04	1.13E-03	1.17E-05
2388	437778.3	3725138	9.51E-03	1.63E-04	1.92E-03	2.65E-05	1.02E-02	1.24E-04	1.11E-03	1.12E-05
2389	437770.6	3725132	9.16E-03	1.56E-04	1.85E-03	2.53E-05	9.79E-03	1.19E-04	1.07E-03	1.08E-05
2390	437762.8	3725127	8.81E-03	1.48E-04	1.79E-03	2.42E-05	9.42E-03	1.13E-04	1.03E-03	1.03E-05
2391	437755.1	3725122	8.41E-03	1.39E-04	1.71E-03	2.29E-05	9.00E-03	1.07E-04	9.94E-04	9.81E-06
2392	437747.3	3725116	7.96E-03	1.30E-04	1.62E-03	2.15E-05	8.52E-03	1.01E-04	9.48E-04	9.25E-06
2393	437837	3725161	9.49E-03	1.73E-04	1.91E-03	2.86E-05	1.01E-02	1.34E-04	1.09E-03	1.23E-05
2394	437811.7	3725039	3.55E-03	6.38E-05	7.28E-04	1.16E-05	3.81E-03	5.46E-05	4.29E-04	5.30E-06
2395	437803.9	3725034	3.39E-03	6.02E-05	6.95E-04	1.10E-05	3.63E-03	5.19E-05	4.11E-04	5.05E-06
2396	437883.1	3725067	4.03E-03	7.77E-05	8.17E-04	1.40E-05	4.31E-03	6.59E-05	4.74E-04	6.36E-06
2397	437894.7	3725080	4.30E-03	8.35E-05	8.70E-04	1.50E-05	4.59E-03	7.06E-05	5.03E-04	6.81E-06
2398	437906.4	3725093	4.53E-03	8.89E-05	9.15E-04	1.60E-05	4.83E-03	7.50E-05	5.28E-04	7.23E-06
2399	437918	3725106	4.71E-03	9.35E-05	9.51E-04	1.68E-05	5.03E-03	7.90E-05	5.48E-04	7.61E-06
2400	437869.6	3725055	3.79E-03	7.23E-05	7.71E-04	1.31E-05	4.06E-03	6.15E-05	4.49E-04	5.96E-06
2401	437861.8	3725050	3.69E-03	6.98E-05	7.51E-04	1.27E-05	3.95E-03	5.95E-05	4.38E-04	5.77E-06
2402	437854.1	3725044	3.57E-03	6.72E-05	7.28E-04	1.22E-05	3.82E-03	5.75E-05	4.26E-04	5.57E-06
2403	437846.3	3725039	3.45E-03	6.44E-05	7.04E-04	1.18E-05	3.69E-03	5.53E-05	4.12E-04	5.37E-06
2404	437838.5	3725034	3.32E-03	6.16E-05	6.79E-04	1.13E-05	3.56E-03	5.31E-05	3.99E-04	5.17E-06

2405	437830.8	3725028	3.19E-03	5.87E-05	6.53E-04	1.08E-05	3.42E-03	5.08E-05	3.84E-04	4.96E-06
2406	437823	3725023	3.05E-03	5.57E-05	6.26E-04	1.03E-05	3.27E-03	4.85E-05	3.70E-04	4.75E-06
2407	437815.3	3725018	2.91E-03	5.28E-05	5.99E-04	9.82E-06	3.13E-03	4.62E-05	3.55E-04	4.53E-06
2408	437894.5	3725050	3.48E-03	6.79E-05	7.06E-04	1.24E-05	3.72E-03	5.85E-05	4.11E-04	5.69E-06
2409	437906.2	3725063	3.71E-03	7.30E-05	7.51E-04	1.33E-05	3.96E-03	6.27E-05	4.36E-04	6.09E-06
2410	437917.9	3725077	3.91E-03	7.78E-05	7.92E-04	1.42E-05	4.18E-03	6.66E-05	4.58E-04	6.47E-06
2411	437929.6	3725090	4.08E-03	8.20E-05	8.25E-04	1.49E-05	4.36E-03	7.02E-05	4.76E-04	6.82E-06
2412	437941.3	3725103	4.21E-03	8.55E-05	8.51E-04	1.56E-05	4.50E-03	7.34E-05	4.90E-04	7.13E-06
2413	437880.9	3725038	3.27E-03	6.33E-05	6.67E-04	1.16E-05	3.50E-03	5.47E-05	3.89E-04	5.34E-06
2414	437873.1	3725033	3.18E-03	6.11E-05	6.49E-04	1.13E-05	3.41E-03	5.30E-05	3.79E-04	5.17E-06
2415	437865.4	3725028	3.09E-03	5.89E-05	6.30E-04	1.09E-05	3.31E-03	5.11E-05	3.69E-04	5.00E-06
2416	437857.6	3725022	2.98E-03	5.65E-05	6.10E-04	1.05E-05	3.20E-03	4.93E-05	3.58E-04	4.83E-06
2417	437849.9	3725017	2.87E-03	5.41E-05	5.88E-04	1.01E-05	3.08E-03	4.73E-05	3.46E-04	4.65E-06
2418	437842.1	3725012	2.76E-03	5.17E-05	5.66E-04	9.65E-06	2.96E-03	4.54E-05	3.34E-04	4.46E-06
2419	437834.4	3725006	2.65E-03	4.92E-05	5.43E-04	9.23E-06	2.84E-03	4.34E-05	3.21E-04	4.28E-06
2420	437826.6	3725001	2.53E-03	4.67E-05	5.21E-04	8.81E-06	2.72E-03	4.15E-05	3.09E-04	4.10E-06
2421	437905.9	3725034	3.03E-03	5.99E-05	6.15E-04	1.11E-05	3.24E-03	5.23E-05	3.58E-04	5.13E-06
2422	437917.6	3725047	3.22E-03	6.43E-05	6.54E-04	1.19E-05	3.45E-03	5.60E-05	3.80E-04	5.48E-06
2423	437929.4	3725060	3.40E-03	6.85E-05	6.90E-04	1.27E-05	3.64E-03	5.95E-05	4.00E-04	5.82E-06
2424	437941.2	3725073	3.56E-03	7.23E-05	7.20E-04	1.33E-05	3.80E-03	6.28E-05	4.16E-04	6.13E-06
2425	437952.9	3725087	3.69E-03	7.57E-05	7.45E-04	1.40E-05	3.94E-03	6.57E-05	4.30E-04	6.43E-06
2426	437964.7	3725100	3.78E-03	7.84E-05	7.63E-04	1.45E-05	4.03E-03	6.83E-05	4.40E-04	6.69E-06
2427	437892.2	3725022	2.85E-03	5.58E-05	5.81E-04	1.04E-05	3.05E-03	4.89E-05	3.39E-04	4.81E-06
2428	437884.5	3725017	2.77E-03	5.39E-05	5.65E-04	1.01E-05	2.97E-03	4.74E-05	3.31E-04	4.66E-06
2429	437876.7	3725011	2.68E-03	5.20E-05	5.48E-04	9.74E-06	2.88E-03	4.58E-05	3.22E-04	4.51E-06
2430	437869	3725006	2.60E-03	5.00E-05	5.31E-04	9.39E-06	2.78E-03	4.42E-05	3.12E-04	4.36E-06
2431	437861.2	3725001	2.50E-03	4.79E-05	5.13E-04	9.03E-06	2.68E-03	4.25E-05	3.02E-04	4.20E-06
2432	437853.4	3724995	2.41E-03	4.58E-05	4.94E-04	8.67E-06	2.58E-03	4.08E-05	2.92E-04	4.04E-06
2433	437845.7	3724990	2.31E-03	4.37E-05	4.75E-04	8.31E-06	2.48E-03	3.91E-05	2.81E-04	3.88E-06
2434	437837.9	3724985	2.21E-03	4.16E-05	4.55E-04	7.95E-06	2.37E-03	3.74E-05	2.70E-04	3.72E-06
2435	437917.2	3725017	2.65E-03	5.31E-05	5.39E-04	9.99E-06	2.83E-03	4.70E-05	3.15E-04	4.64E-06
2436	437929	3725031	2.82E-03	5.70E-05	5.73E-04	1.07E-05	3.02E-03	5.03E-05	3.34E-04	4.95E-06
2437	437940.9	3725044	2.98E-03	6.08E-05	6.05E-04	1.14E-05	3.19E-03	5.34E-05	3.51E-04	5.26E-06
2438	437952.7	3725057	3.12E-03	6.42E-05	6.33E-04	1.20E-05	3.34E-03	5.64E-05	3.66E-04	5.54E-06
2439	437964.5	3725070	3.24E-03	6.73E-05	6.56E-04	1.26E-05	3.46E-03	5.91E-05	3.79E-04	5.81E-06
2440	437976.4	3725084	3.33E-03	6.99E-05	6.74E-04	1.31E-05	3.56E-03	6.15E-05	3.89E-04	6.06E-06
2441	437988.2	3725097	3.40E-03	7.21E-05	6.87E-04	1.35E-05	3.63E-03	6.37E-05	3.96E-04	6.28E-06
2442	437903.6	3725005	2.49E-03	4.95E-05	5.09E-04	9.35E-06	2.67E-03	4.40E-05	2.98E-04	4.35E-06
2443	437895.8	3725000	2.42E-03	4.79E-05	4.95E-04	9.07E-06	2.60E-03	4.27E-05	2.90E-04	4.22E-06
2444	437888	3724995	2.35E-03	4.62E-05	4.81E-04	8.77E-06	2.52E-03	4.13E-05	2.83E-04	4.09E-06
2445	437880.3	3724989	2.28E-03	4.45E-05	4.66E-04	8.46E-06	2.44E-03	3.98E-05	2.74E-04	3.95E-06
2446	437872.5	3724984	2.20E-03	4.27E-05	4.50E-04	8.15E-06	2.35E-03	3.84E-05	2.66E-04	3.82E-06
2447	437864.8	3724979	2.11E-03	4.09E-05	4.34E-04	7.84E-06	2.27E-03	3.69E-05	2.57E-04	3.68E-06
2448	437857	3724973	2.03E-03	3.91E-05	4.17E-04	7.52E-06	2.18E-03	3.54E-05	2.47E-04	3.54E-06
2449	437849.3	3724968	1.95E-03	3.73E-05	4.01E-04	7.20E-06	2.09E-03	3.39E-05	2.38E-04	3.40E-06
2450	437928.6	3725001	2.33E-03	4.74E-05	4.75E-04	9.02E-06	2.50E-03	4.25E-05	2.78E-04	4.22E-06
2451	437940.5	3725014	2.48E-03	5.09E-05	5.06E-04	9.64E-06	2.66E-03	4.54E-05	2.95E-04	4.50E-06
2452	437946.4	3725021	2.56E-03	5.26E-05	5.20E-04	9.95E-06	2.73E-03	4.68E-05	3.03E-04	4.64E-06
2453	437970.2	3725048	2.81E-03	5.87E-05	5.70E-04	1.11E-05	3.00E-03	5.22E-05	3.30E-04	5.16E-06
2454	437982	3725061	2.91E-03	6.14E-05	5.90E-04	1.16E-05	3.11E-03	5.46E-05	3.41E-04	5.40E-06
2455	437993.9	3725074	2.99E-03	6.37E-05	6.05E-04	1.21E-05	3.19E-03	5.67E-05	3.50E-04	5.62E-06
2456	437914.9	3724989	2.20E-03	4.43E-05	4.48E-04	8.46E-06	2.35E-03	3.98E-05	2.63E-04	3.96E-06
2457	437907.1	3724984	2.14E-03	4.29E-05	4.37E-04	8.20E-06	2.29E-03	3.86E-05	2.56E-04	3.85E-06
2458	437899.4	3724978	2.07E-03	4.14E-05	4.24E-04	7.94E-06	2.22E-03	3.74E-05	2.50E-04	3.73E-06
2459	437891.6	3724973	2.01E-03	3.99E-05	4.11E-04	7.67E-06	2.15E-03	3.61E-05	2.42E-04	3.61E-06
2460	437883.9	3724968	1.94E-03	3.83E-05	3.98E-04	7.40E-06	2.08E-03	3.48E-05	2.35E-04	3.48E-06

2461	437876.1	3724962	1.87E-03	3.68E-05	3.84E-04	7.12E-06	2.00E-03	3.35E-05	2.27E-04	3.36E-06
2462	437868.4	3724957	1.80E-03	3.52E-05	3.69E-04	6.84E-06	1.93E-03	3.22E-05	2.19E-04	3.24E-06
2463	437860.6	3724952	1.72E-03	3.36E-05	3.55E-04	6.57E-06	1.85E-03	3.09E-05	2.11E-04	3.11E-06
2464	437945.8	3724976	1.95E-03	4.05E-05	3.99E-04	7.83E-06	2.09E-03	3.69E-05	2.34E-04	3.69E-06
2465	437951.9	3724983	2.02E-03	4.20E-05	4.12E-04	8.10E-06	2.16E-03	3.81E-05	2.41E-04	3.81E-06
2466	437976.5	3725011	2.26E-03	4.78E-05	4.60E-04	9.16E-06	2.42E-03	4.31E-05	2.68E-04	4.30E-06
2467	437982.7	3725018	2.32E-03	4.91E-05	4.71E-04	9.41E-06	2.48E-03	4.43E-05	2.74E-04	4.41E-06
2468	437988.8	3725025	2.37E-03	5.04E-05	4.81E-04	9.65E-06	2.53E-03	4.54E-05	2.80E-04	4.53E-06
2469	437995	3725032	2.42E-03	5.16E-05	4.90E-04	9.89E-06	2.58E-03	4.65E-05	2.85E-04	4.64E-06
2470	438001.1	3725039	2.46E-03	5.28E-05	4.99E-04	1.01E-05	2.63E-03	4.76E-05	2.90E-04	4.74E-06
2471	438007.3	3725045	2.50E-03	5.39E-05	5.07E-04	1.03E-05	2.67E-03	4.86E-05	2.94E-04	4.85E-06
2472	438013.4	3725052	2.54E-03	5.49E-05	5.14E-04	1.05E-05	2.71E-03	4.96E-05	2.98E-04	4.94E-06
2473	437939.6	3724970	1.89E-03	3.90E-05	3.85E-04	7.55E-06	2.02E-03	3.56E-05	2.26E-04	3.56E-06
2474	437931.9	3724964	1.84E-03	3.78E-05	3.76E-04	7.34E-06	1.97E-03	3.46E-05	2.21E-04	3.47E-06
2475	437924.1	3724959	1.79E-03	3.66E-05	3.66E-04	7.12E-06	1.91E-03	3.35E-05	2.15E-04	3.37E-06
2476	437916.4	3724954	1.73E-03	3.54E-05	3.55E-04	6.90E-06	1.86E-03	3.25E-05	2.09E-04	3.27E-06
2477	437908.6	3724948	1.68E-03	3.42E-05	3.45E-04	6.68E-06	1.80E-03	3.15E-05	2.03E-04	3.17E-06
2478	437900.9	3724943	1.63E-03	3.29E-05	3.34E-04	6.45E-06	1.74E-03	3.04E-05	1.97E-04	3.06E-06
2479	437893.1	3724938	1.57E-03	3.16E-05	3.22E-04	6.22E-06	1.68E-03	2.93E-05	1.91E-04	2.96E-06
2480	437885.3	3724932	1.51E-03	3.04E-05	3.11E-04	5.99E-06	1.62E-03	2.82E-05	1.85E-04	2.85E-06
2481	437877.6	3724927	1.45E-03	2.91E-05	2.99E-04	5.76E-06	1.56E-03	2.71E-05	1.78E-04	2.75E-06
2482	437974.6	3724965	1.76E-03	3.74E-05	3.59E-04	7.30E-06	1.88E-03	3.44E-05	2.10E-04	3.46E-06
2483	437980.6	3724972	1.81E-03	3.86E-05	3.69E-04	7.52E-06	1.94E-03	3.54E-05	2.16E-04	3.56E-06
2484	437986.6	3724979	1.86E-03	3.97E-05	3.79E-04	7.74E-06	1.99E-03	3.65E-05	2.21E-04	3.66E-06
2485	437992.6	3724985	1.91E-03	4.09E-05	3.89E-04	7.96E-06	2.04E-03	3.75E-05	2.27E-04	3.76E-06
2486	437998.6	3724992	1.96E-03	4.20E-05	3.98E-04	8.17E-06	2.09E-03	3.85E-05	2.32E-04	3.86E-06
2487	438004.6	3724999	2.00E-03	4.31E-05	4.07E-04	8.38E-06	2.14E-03	3.95E-05	2.37E-04	3.96E-06
2488	438010.7	3725005	2.04E-03	4.42E-05	4.15E-04	8.58E-06	2.18E-03	4.04E-05	2.42E-04	4.05E-06
2489	438016.7	3725012	2.08E-03	4.52E-05	4.23E-04	8.78E-06	2.22E-03	4.14E-05	2.46E-04	4.15E-06
2490	438022.7	3725019	2.12E-03	4.62E-05	4.30E-04	8.97E-06	2.26E-03	4.23E-05	2.50E-04	4.24E-06
2491	438034.7	3725032	2.18E-03	4.80E-05	4.43E-04	9.33E-06	2.33E-03	4.39E-05	2.57E-04	4.41E-06
2492	437933.4	3724929	1.47E-03	3.07E-05	3.01E-04	6.06E-06	1.58E-03	2.86E-05	1.78E-04	2.89E-06
2493	437925.6	3724924	1.42E-03	2.96E-05	2.92E-04	5.87E-06	1.53E-03	2.76E-05	1.73E-04	2.80E-06
2494	437917.9	3724918	1.38E-03	2.86E-05	2.83E-04	5.68E-06	1.48E-03	2.67E-05	1.68E-04	2.71E-06
2495	437910.1	3724913	1.33E-03	2.75E-05	2.74E-04	5.48E-06	1.43E-03	2.58E-05	1.62E-04	2.63E-06
2496	437902.3	3724908	1.28E-03	2.65E-05	2.64E-04	5.29E-06	1.38E-03	2.49E-05	1.57E-04	2.54E-06
2497	437894.6	3724902	1.24E-03	2.54E-05	2.55E-04	5.10E-06	1.33E-03	2.40E-05	1.52E-04	2.45E-06
2498	437979.8	3724927	1.41E-03	3.04E-05	2.89E-04	6.04E-06	1.51E-03	2.85E-05	1.70E-04	2.89E-06
2499	437986	3724934	1.46E-03	3.15E-05	2.99E-04	6.25E-06	1.57E-03	2.94E-05	1.76E-04	2.98E-06
2500	437992.2	3724941	1.51E-03	3.26E-05	3.08E-04	6.45E-06	1.61E-03	3.04E-05	1.81E-04	3.07E-06
2501	437998.3	3724948	1.55E-03	3.36E-05	3.17E-04	6.64E-06	1.66E-03	3.13E-05	1.86E-04	3.16E-06
2502	438004.5	3724955	1.60E-03	3.47E-05	3.25E-04	6.84E-06	1.71E-03	3.22E-05	1.90E-04	3.26E-06
2503	438010.7	3724962	1.64E-03	3.57E-05	3.34E-04	7.03E-06	1.75E-03	3.31E-05	1.95E-04	3.34E-06
2504	438016.9	3724969	1.68E-03	3.67E-05	3.42E-04	7.22E-06	1.79E-03	3.40E-05	2.00E-04	3.43E-06
2505	438023	3724976	1.72E-03	3.77E-05	3.50E-04	7.41E-06	1.84E-03	3.49E-05	2.04E-04	3.52E-06
2506	438029.2	3724982	1.75E-03	3.86E-05	3.57E-04	7.59E-06	1.88E-03	3.58E-05	2.08E-04	3.61E-06
2507	438035.4	3724989	1.79E-03	3.95E-05	3.64E-04	7.77E-06	1.91E-03	3.66E-05	2.12E-04	3.69E-06
2508	438041.6	3724996	1.82E-03	4.03E-05	3.70E-04	7.92E-06	1.95E-03	3.73E-05	2.16E-04	3.77E-06
2509	438047.8	3725003	1.84E-03	4.10E-05	3.75E-04	8.06E-06	1.97E-03	3.80E-05	2.18E-04	3.83E-06
2510	438053.9	3725010	1.87E-03	4.17E-05	3.79E-04	8.19E-06	2.00E-03	3.86E-05	2.20E-04	3.90E-06
2511	438091	3725052	1.97E-03	4.53E-05	4.00E-04	8.97E-06	2.11E-03	4.22E-05	2.32E-04	4.28E-06
2512	437973.6	3724920	1.37E-03	2.93E-05	2.79E-04	5.84E-06	1.46E-03	2.75E-05	1.64E-04	2.79E-06
2513	437965.9	3724915	1.33E-03	2.85E-05	2.72E-04	5.68E-06	1.42E-03	2.68E-05	1.61E-04	2.72E-06
2514	437934.8	3724893	1.18E-03	2.50E-05	2.42E-04	5.03E-06	1.26E-03	2.37E-05	1.44E-04	2.42E-06
2515	437927.1	3724888	1.14E-03	2.41E-05	2.35E-04	4.87E-06	1.22E-03	2.29E-05	1.39E-04	2.34E-06
2516	437919.3	3724883	1.10E-03	2.32E-05	2.27E-04	4.70E-06	1.18E-03	2.22E-05	1.35E-04	2.27E-06

2517	437911.6	3724877	1.06E-03	2.24E-05	2.19E-04	4.54E-06	1.14E-03	2.14E-05	1.30E-04	2.19E-06
2518	437996.7	3724902	1.20E-03	2.63E-05	2.45E-04	5.28E-06	1.28E-03	2.49E-05	1.44E-04	2.54E-06
2519	438002.7	3724909	1.23E-03	2.71E-05	2.52E-04	5.44E-06	1.32E-03	2.57E-05	1.48E-04	2.61E-06
2520	438008.8	3724916	1.28E-03	2.81E-05	2.61E-04	5.63E-06	1.37E-03	2.65E-05	1.53E-04	2.70E-06
2521	438014.8	3724923	1.32E-03	2.90E-05	2.69E-04	5.80E-06	1.41E-03	2.73E-05	1.58E-04	2.78E-06
2522	438020.9	3724929	1.35E-03	2.99E-05	2.76E-04	5.96E-06	1.45E-03	2.81E-05	1.62E-04	2.86E-06
2523	438026.9	3724936	1.39E-03	3.07E-05	2.83E-04	6.12E-06	1.48E-03	2.89E-05	1.66E-04	2.93E-06
2524	438033	3724943	1.42E-03	3.14E-05	2.89E-04	6.26E-06	1.51E-03	2.95E-05	1.69E-04	3.00E-06
2525	438039	3724950	1.45E-03	3.23E-05	2.95E-04	6.42E-06	1.55E-03	3.03E-05	1.73E-04	3.07E-06
2526	438045.1	3724956	1.48E-03	3.30E-05	3.02E-04	6.57E-06	1.58E-03	3.10E-05	1.76E-04	3.14E-06
2527	438051.1	3724963	1.51E-03	3.38E-05	3.08E-04	6.72E-06	1.62E-03	3.17E-05	1.80E-04	3.21E-06
2528	438057.1	3724970	1.54E-03	3.45E-05	3.13E-04	6.86E-06	1.64E-03	3.23E-05	1.82E-04	3.28E-06
2529	438063.2	3724977	1.56E-03	3.51E-05	3.17E-04	6.98E-06	1.67E-03	3.29E-05	1.85E-04	3.34E-06
2530	438069.2	3724984	1.58E-03	3.57E-05	3.21E-04	7.10E-06	1.69E-03	3.35E-05	1.87E-04	3.40E-06
2531	438075.3	3724990	1.61E-03	3.65E-05	3.27E-04	7.25E-06	1.72E-03	3.42E-05	1.90E-04	3.47E-06
2532	438032.4	3724898	1.10E-03	2.47E-05	2.25E-04	5.01E-06	1.18E-03	2.36E-05	1.32E-04	2.42E-06
2533	438038.6	3724905	1.13E-03	2.54E-05	2.30E-04	5.13E-06	1.21E-03	2.42E-05	1.35E-04	2.47E-06
2534	438044.8	3724912	1.16E-03	2.61E-05	2.36E-04	5.27E-06	1.24E-03	2.48E-05	1.39E-04	2.54E-06
2535	438051	3724919	1.19E-03	2.68E-05	2.42E-04	5.41E-06	1.27E-03	2.55E-05	1.42E-04	2.60E-06
2536	438057.2	3724926	1.21E-03	2.75E-05	2.48E-04	5.54E-06	1.30E-03	2.61E-05	1.45E-04	2.67E-06
2537	438063.4	3724933	1.24E-03	2.81E-05	2.53E-04	5.66E-06	1.33E-03	2.67E-05	1.48E-04	2.73E-06
2538	438069.6	3724940	1.26E-03	2.88E-05	2.58E-04	5.79E-06	1.35E-03	2.73E-05	1.51E-04	2.79E-06
2539	438075.8	3724947	1.30E-03	2.96E-05	2.64E-04	5.95E-06	1.39E-03	2.80E-05	1.54E-04	2.86E-06
2540	438082	3724954	1.33E-03	3.04E-05	2.70E-04	6.11E-06	1.42E-03	2.88E-05	1.58E-04	2.93E-06
2541	438088.2	3724961	1.36E-03	3.11E-05	2.76E-04	6.26E-06	1.45E-03	2.95E-05	1.61E-04	3.01E-06
2542	438094.4	3724968	1.38E-03	3.19E-05	2.82E-04	6.40E-06	1.48E-03	3.02E-05	1.64E-04	3.08E-06
2543	437992.1	3724860	9.51E-04	2.11E-05	1.95E-04	4.32E-06	1.02E-03	2.04E-05	1.15E-04	2.09E-06
2544	437984.3	3724855	9.32E-04	2.07E-05	1.91E-04	4.23E-06	9.99E-04	2.00E-05	1.13E-04	2.05E-06
2545	437976.6	3724849	9.09E-04	2.01E-05	1.87E-04	4.13E-06	9.75E-04	1.95E-05	1.11E-04	2.00E-06
2546	437968.8	3724844	8.83E-04	1.95E-05	1.82E-04	4.01E-06	9.46E-04	1.89E-05	1.08E-04	1.95E-06
2547	437961.1	3724839	8.57E-04	1.90E-05	1.76E-04	3.90E-06	9.20E-04	1.84E-05	1.05E-04	1.90E-06
2548	437953.3	3724833	8.32E-04	1.84E-05	1.71E-04	3.80E-06	8.93E-04	1.79E-05	1.02E-04	1.85E-06
2549	437945.6	3724828	8.05E-04	1.78E-05	1.66E-04	3.68E-06	8.63E-04	1.73E-05	9.88E-05	1.79E-06
2550	438030.7	3724853	8.87E-04	2.02E-05	1.82E-04	4.15E-06	9.50E-04	1.95E-05	1.07E-04	2.01E-06
2551	438036.8	3724860	9.10E-04	2.07E-05	1.86E-04	4.25E-06	9.75E-04	2.00E-05	1.10E-04	2.06E-06
2552	438067.2	3724894	1.02E-03	2.34E-05	2.08E-04	4.77E-06	1.09E-03	2.25E-05	1.22E-04	2.31E-06
2553	438073.3	3724901	1.04E-03	2.39E-05	2.12E-04	4.87E-06	1.11E-03	2.30E-05	1.25E-04	2.36E-06
2554	438079.4	3724907	1.06E-03	2.45E-05	2.17E-04	4.98E-06	1.14E-03	2.35E-05	1.27E-04	2.41E-06
2555	438085.4	3724914	1.09E-03	2.51E-05	2.22E-04	5.10E-06	1.16E-03	2.40E-05	1.30E-04	2.46E-06
2556	438091.5	3724921	1.11E-03	2.57E-05	2.26E-04	5.22E-06	1.19E-03	2.46E-05	1.33E-04	2.52E-06
2557	438097.6	3724928	1.13E-03	2.62E-05	2.31E-04	5.33E-06	1.21E-03	2.51E-05	1.35E-04	2.58E-06
2558	438103.7	3724935	1.15E-03	2.68E-05	2.35E-04	5.44E-06	1.23E-03	2.56E-05	1.37E-04	2.63E-06
2559	438024.6	3724846	8.64E-04	1.96E-05	1.77E-04	4.04E-06	9.26E-04	1.91E-05	1.05E-04	1.96E-06
2560	438016.9	3724841	8.45E-04	1.92E-05	1.73E-04	3.95E-06	9.06E-04	1.86E-05	1.03E-04	1.92E-06
2561	438009.1	3724835	8.26E-04	1.87E-05	1.70E-04	3.86E-06	8.85E-04	1.82E-05	1.00E-04	1.88E-06
2562	438001.3	3724830	8.07E-04	1.82E-05	1.66E-04	3.77E-06	8.65E-04	1.78E-05	9.82E-05	1.84E-06
2563	437993.6	3724825	7.87E-04	1.78E-05	1.62E-04	3.68E-06	8.44E-04	1.74E-05	9.60E-05	1.79E-06
2564	437985.8	3724819	7.66E-04	1.73E-05	1.58E-04	3.59E-06	8.21E-04	1.69E-05	9.36E-05	1.75E-06
2565	437978.1	3724814	7.45E-04	1.68E-05	1.53E-04	3.49E-06	7.99E-04	1.65E-05	9.12E-05	1.71E-06
2566	437970.3	3724809	7.25E-04	1.63E-05	1.49E-04	3.41E-06	7.78E-04	1.61E-05	8.89E-05	1.67E-06
2567	437962.6	3724803	7.05E-04	1.59E-05	1.45E-04	3.32E-06	7.57E-04	1.56E-05	8.66E-05	1.62E-06
2568	438190.8	3724988	1.21E-03	2.94E-05	2.46E-04	6.05E-06	1.29E-03	2.85E-05	1.43E-04	2.94E-06
2569	438197	3724995	1.23E-03	3.00E-05	2.49E-04	6.16E-06	1.31E-03	2.91E-05	1.45E-04	2.99E-06
2570	438018.3	3724805	7.09E-04	1.63E-05	1.46E-04	3.40E-06	7.60E-04	1.61E-05	8.64E-05	1.67E-06
2571	438010.6	3724800	6.91E-04	1.59E-05	1.42E-04	3.32E-06	7.41E-04	1.57E-05	8.44E-05	1.63E-06
2572	438002.8	3724795	6.73E-04	1.55E-05	1.39E-04	3.24E-06	7.22E-04	1.53E-05	8.23E-05	1.59E-06

2573	437995.1	3724789	6.55E-04	1.51E-05	1.35E-04	3.16E-06	7.03E-04	1.49E-05	8.03E-05	1.55E-06
2574	437987.3	3724784	6.37E-04	1.46E-05	1.31E-04	3.07E-06	6.83E-04	1.45E-05	7.81E-05	1.51E-06
2575	437979.6	3724779	6.17E-04	1.42E-05	1.27E-04	2.98E-06	6.62E-04	1.41E-05	7.58E-05	1.47E-06
2576	438107.5	3724851	8.18E-04	1.93E-05	1.67E-04	4.00E-06	8.76E-04	1.89E-05	9.85E-05	1.95E-06
2577	438113.6	3724858	8.35E-04	1.98E-05	1.71E-04	4.09E-06	8.94E-04	1.93E-05	1.00E-04	1.99E-06
2578	438119.7	3724865	8.51E-04	2.02E-05	1.74E-04	4.17E-06	9.11E-04	1.97E-05	1.02E-04	2.03E-06
2579	438125.8	3724872	8.67E-04	2.06E-05	1.77E-04	4.26E-06	9.28E-04	2.01E-05	1.04E-04	2.07E-06
2580	438131.9	3724879	8.81E-04	2.10E-05	1.80E-04	4.33E-06	9.43E-04	2.04E-05	1.06E-04	2.11E-06
2581	438138	3724886	8.95E-04	2.13E-05	1.83E-04	4.41E-06	9.57E-04	2.08E-05	1.07E-04	2.15E-06
2582	438144.1	3724892	9.08E-04	2.17E-05	1.85E-04	4.48E-06	9.71E-04	2.11E-05	1.09E-04	2.18E-06
2583	438150.2	3724899	9.20E-04	2.21E-05	1.88E-04	4.56E-06	9.85E-04	2.15E-05	1.10E-04	2.22E-06
2584	438156.4	3724906	9.33E-04	2.24E-05	1.90E-04	4.63E-06	9.98E-04	2.18E-05	1.12E-04	2.25E-06
2585	438162.5	3724913	9.45E-04	2.28E-05	1.93E-04	4.70E-06	1.01E-03	2.22E-05	1.13E-04	2.29E-06
2586	438168.6	3724920	9.57E-04	2.31E-05	1.95E-04	4.78E-06	1.02E-03	2.25E-05	1.14E-04	2.33E-06
2587	438081.8	3724779	6.13E-04	1.46E-05	1.26E-04	3.08E-06	6.57E-04	1.45E-05	7.45E-05	1.51E-06
2588	438088	3724786	6.30E-04	1.50E-05	1.29E-04	3.16E-06	6.75E-04	1.49E-05	7.65E-05	1.55E-06
2589	438094.3	3724793	6.46E-04	1.54E-05	1.33E-04	3.24E-06	6.92E-04	1.53E-05	7.84E-05	1.59E-06
2590	438100.5	3724800	6.62E-04	1.58E-05	1.36E-04	3.31E-06	7.09E-04	1.56E-05	8.02E-05	1.63E-06
2591	438106.7	3724807	6.77E-04	1.62E-05	1.39E-04	3.39E-06	7.26E-04	1.60E-05	8.20E-05	1.66E-06
2592	438113	3724814	6.94E-04	1.66E-05	1.42E-04	3.47E-06	7.43E-04	1.64E-05	8.39E-05	1.70E-06
2593	438119.2	3724821	7.10E-04	1.70E-05	1.46E-04	3.55E-06	7.61E-04	1.68E-05	8.58E-05	1.74E-06
2594	438125.4	3724828	7.28E-04	1.74E-05	1.49E-04	3.64E-06	7.79E-04	1.72E-05	8.78E-05	1.78E-06
2595	438131.6	3724835	7.44E-04	1.78E-05	1.52E-04	3.72E-06	7.97E-04	1.76E-05	8.97E-05	1.82E-06
2596	438137.9	3724842	7.60E-04	1.82E-05	1.55E-04	3.80E-06	8.13E-04	1.79E-05	9.15E-05	1.86E-06
2597	438144.1	3724849	7.75E-04	1.86E-05	1.58E-04	3.88E-06	8.29E-04	1.83E-05	9.32E-05	1.90E-06
2598	438150.3	3724856	7.88E-04	1.90E-05	1.61E-04	3.95E-06	8.43E-04	1.86E-05	9.47E-05	1.93E-06
2599	438156.5	3724863	8.01E-04	1.93E-05	1.64E-04	4.02E-06	8.57E-04	1.90E-05	9.61E-05	1.97E-06
2600	438162.8	3724870	8.12E-04	1.97E-05	1.66E-04	4.09E-06	8.69E-04	1.93E-05	9.75E-05	2.00E-06
2601	438169	3724877	8.23E-04	2.00E-05	1.68E-04	4.16E-06	8.81E-04	1.96E-05	9.87E-05	2.03E-06
2602	438175.2	3724884	8.34E-04	2.03E-05	1.70E-04	4.22E-06	8.93E-04	1.99E-05	1.00E-04	2.06E-06
2603	438181.5	3724891	8.45E-04	2.06E-05	1.72E-04	4.29E-06	9.04E-04	2.02E-05	1.01E-04	2.09E-06
2604	438075.6	3724772	5.96E-04	1.42E-05	1.22E-04	3.00E-06	6.38E-04	1.42E-05	7.25E-05	1.48E-06
2605	438067.8	3724766	5.83E-04	1.39E-05	1.20E-04	2.94E-06	6.25E-04	1.39E-05	7.11E-05	1.45E-06
2606	438060.1	3724761	5.71E-04	1.36E-05	1.17E-04	2.88E-06	6.12E-04	1.36E-05	6.97E-05	1.42E-06
2607	438052.3	3724756	5.59E-04	1.33E-05	1.15E-04	2.82E-06	6.00E-04	1.33E-05	6.83E-05	1.39E-06
2608	438044.6	3724750	5.45E-04	1.30E-05	1.12E-04	2.75E-06	5.84E-04	1.30E-05	6.66E-05	1.36E-06
2609	438036.8	3724745	5.29E-04	1.26E-05	1.09E-04	2.68E-06	5.67E-04	1.26E-05	6.48E-05	1.32E-06
2610	438029.1	3724740	5.12E-04	1.22E-05	1.06E-04	2.60E-06	5.50E-04	1.23E-05	6.29E-05	1.28E-06
2611	438021.3	3724734	4.96E-04	1.18E-05	1.02E-04	2.52E-06	5.32E-04	1.19E-05	6.09E-05	1.25E-06
2612	438013.6	3724729	4.80E-04	1.14E-05	9.90E-05	2.45E-06	5.15E-04	1.16E-05	5.91E-05	1.21E-06
2613	438098.7	3724754	5.44E-04	1.32E-05	1.12E-04	2.80E-06	5.83E-04	1.32E-05	6.63E-05	1.38E-06
2614	438104.9	3724761	5.59E-04	1.35E-05	1.15E-04	2.87E-06	5.99E-04	1.35E-05	6.80E-05	1.41E-06
2615	438111	3724768	5.74E-04	1.39E-05	1.18E-04	2.94E-06	6.15E-04	1.39E-05	6.97E-05	1.45E-06
2616	438117.1	3724775	5.88E-04	1.42E-05	1.21E-04	3.01E-06	6.30E-04	1.42E-05	7.13E-05	1.48E-06
2617	438123.2	3724781	6.02E-04	1.46E-05	1.23E-04	3.08E-06	6.45E-04	1.45E-05	7.30E-05	1.51E-06
2618	438129.4	3724788	6.16E-04	1.49E-05	1.26E-04	3.15E-06	6.60E-04	1.49E-05	7.46E-05	1.55E-06
2619	438135.5	3724795	6.30E-04	1.53E-05	1.29E-04	3.22E-06	6.75E-04	1.52E-05	7.63E-05	1.58E-06
2620	438141.6	3724802	6.44E-04	1.56E-05	1.32E-04	3.29E-06	6.90E-04	1.55E-05	7.79E-05	1.62E-06
2621	438147.8	3724809	6.58E-04	1.60E-05	1.35E-04	3.36E-06	7.04E-04	1.59E-05	7.94E-05	1.65E-06
2622	438153.9	3724816	6.70E-04	1.63E-05	1.37E-04	3.43E-06	7.18E-04	1.62E-05	8.09E-05	1.68E-06
2623	438160	3724823	6.84E-04	1.67E-05	1.40E-04	3.50E-06	7.32E-04	1.65E-05	8.25E-05	1.72E-06
2624	438166.2	3724830	6.97E-04	1.70E-05	1.43E-04	3.57E-06	7.47E-04	1.68E-05	8.40E-05	1.75E-06
2625	438172.3	3724836	7.10E-04	1.73E-05	1.45E-04	3.64E-06	7.60E-04	1.72E-05	8.54E-05	1.78E-06
2626	438178.4	3724843	7.21E-04	1.77E-05	1.47E-04	3.70E-06	7.72E-04	1.75E-05	8.67E-05	1.81E-06
2627	438092.6	3724747	5.28E-04	1.28E-05	1.08E-04	2.72E-06	5.66E-04	1.28E-05	6.43E-05	1.34E-06
2628	438084.8	3724742	5.15E-04	1.25E-05	1.06E-04	2.66E-06	5.52E-04	1.25E-05	6.29E-05	1.31E-06

2629	438077.1	3724736	5.03E-04	1.22E-05	1.03E-04	2.60E-06	5.39E-04	1.23E-05	6.14E-05	1.28E-06
2630	438069.3	3724731	4.90E-04	1.19E-05	1.01E-04	2.53E-06	5.25E-04	1.20E-05	5.99E-05	1.25E-06
2631	438061.6	3724726	4.77E-04	1.16E-05	9.82E-05	2.47E-06	5.12E-04	1.17E-05	5.84E-05	1.22E-06
2632	438053.8	3724720	4.64E-04	1.13E-05	9.57E-05	2.41E-06	4.98E-04	1.14E-05	5.70E-05	1.19E-06
2633	438046.1	3724715	4.52E-04	1.09E-05	9.31E-05	2.35E-06	4.84E-04	1.11E-05	5.54E-05	1.16E-06
2634	438038.3	3724710	4.38E-04	1.06E-05	9.04E-05	2.29E-06	4.70E-04	1.08E-05	5.39E-05	1.13E-06
2635	438030.5	3724704	4.24E-04	1.03E-05	8.76E-05	2.22E-06	4.55E-04	1.05E-05	5.22E-05	1.10E-06
2636	438133.7	3724735	4.89E-04	1.21E-05	1.00E-04	2.58E-06	5.24E-04	1.22E-05	5.95E-05	1.28E-06
2637	438139.8	3724742	5.02E-04	1.24E-05	1.03E-04	2.65E-06	5.38E-04	1.25E-05	6.11E-05	1.31E-06
2638	438146	3724749	5.15E-04	1.27E-05	1.06E-04	2.71E-06	5.52E-04	1.28E-05	6.26E-05	1.34E-06
2639	438152.1	3724755	5.28E-04	1.30E-05	1.08E-04	2.78E-06	5.66E-04	1.31E-05	6.41E-05	1.37E-06
2640	438061	3724677	3.77E-04	9.35E-06	7.78E-05	2.03E-06	4.05E-04	9.58E-06	4.64E-05	1.01E-06
2641	438053.2	3724671	3.67E-04	9.10E-06	7.57E-05	1.98E-06	3.93E-04	9.33E-06	4.52E-05	9.85E-07
2642	437653.6	3725160	1.86E-02	2.35E-04	3.86E-03	3.58E-05	2.00E-02	1.67E-04	2.31E-03	1.45E-05
2643	437639.3	3725150	1.54E-02	1.54E-04	3.29E-03	2.49E-05	1.67E-02	1.17E-04	2.05E-03	1.06E-05
2644	437688	3725172	2.42E-02	3.67E-04	4.90E-03	5.35E-05	2.59E-02	2.50E-04	2.82E-03	2.10E-05
2645	437673.7	3725162	1.94E-02	2.76E-04	3.97E-03	4.14E-05	2.08E-02	1.93E-04	2.32E-03	1.65E-05
2646	437659.4	3725152	1.51E-02	1.91E-04	3.15E-03	2.99E-05	1.63E-02	1.40E-04	1.90E-03	1.24E-05
2647	437645.1	3725142	1.26E-02	1.29E-04	2.69E-03	2.15E-05	1.37E-02	1.01E-04	1.68E-03	9.25E-06
2648	437693.8	3725164	1.94E-02	2.95E-04	3.94E-03	4.40E-05	2.08E-02	2.05E-04	2.28E-03	1.75E-05
2649	437679.5	3725154	1.57E-02	2.24E-04	3.22E-03	3.43E-05	1.69E-02	1.60E-04	1.90E-03	1.40E-05
2650	437665.2	3725144	1.27E-02	1.61E-04	2.64E-03	2.58E-05	1.37E-02	1.21E-04	1.60E-03	1.08E-05
2651	437650.9	3725133	1.06E-02	1.12E-04	2.26E-03	1.90E-05	1.15E-02	8.92E-05	1.41E-03	8.31E-06
2652	437699.7	3725156	1.61E-02	2.44E-04	3.26E-03	3.72E-05	1.72E-02	1.74E-04	1.90E-03	1.51E-05
2653	437685.4	3725146	1.32E-02	1.88E-04	2.71E-03	2.95E-05	1.41E-02	1.38E-04	1.60E-03	1.22E-05
2654	437671.1	3725136	1.09E-02	1.40E-04	2.29E-03	2.29E-05	1.18E-02	1.07E-04	1.38E-03	9.77E-06
2655	437656.8	3725125	9.21E-03	1.01E-04	1.96E-03	1.73E-05	9.98E-03	8.14E-05	1.22E-03	7.65E-06
2656	437705.5	3725148	1.35E-02	2.06E-04	2.76E-03	3.21E-05	1.45E-02	1.50E-04	1.61E-03	1.32E-05
2657	437691.2	3725138	1.15E-02	1.64E-04	2.36E-03	2.63E-05	1.23E-02	1.23E-04	1.40E-03	1.10E-05
2658	437676.9	3725127	9.62E-03	1.25E-04	2.01E-03	2.07E-05	1.04E-02	9.72E-05	1.22E-03	8.94E-06
2659	437662.6	3725117	8.13E-03	9.19E-05	1.73E-03	1.60E-05	8.80E-03	7.52E-05	1.07E-03	7.12E-06
2660	437711.3	3725140	1.18E-02	1.81E-04	2.41E-03	2.86E-05	1.27E-02	1.34E-04	1.41E-03	1.19E-05
2661	437697	3725130	1.01E-02	1.46E-04	2.09E-03	2.38E-05	1.09E-02	1.11E-04	1.24E-03	1.01E-05
2662	437682.7	3725119	8.57E-03	1.13E-04	1.79E-03	1.90E-05	9.24E-03	8.93E-05	1.09E-03	8.28E-06
2663	437668.4	3725109	7.49E-03	8.76E-05	1.59E-03	1.54E-05	8.11E-03	7.21E-05	9.85E-04	6.85E-06
2664	437717.2	3725132	1.04E-02	1.60E-04	2.13E-03	2.58E-05	1.12E-02	1.21E-04	1.25E-03	1.09E-05
2665	437702.9	3725121	9.08E-03	1.32E-04	1.87E-03	2.18E-05	9.75E-03	1.02E-04	1.12E-03	9.34E-06
2666	437688.6	3725111	7.80E-03	1.05E-04	1.63E-03	1.78E-05	8.40E-03	8.37E-05	9.88E-04	7.81E-06
2667	437674.3	3725101	6.97E-03	8.44E-05	1.47E-03	1.49E-05	7.54E-03	6.98E-05	9.11E-04	6.65E-06
2668	437723	3725124	9.20E-03	1.43E-04	1.88E-03	2.33E-05	9.86E-03	1.09E-04	1.11E-03	9.94E-06
2669	437708.7	3725113	8.19E-03	1.21E-04	1.69E-03	2.01E-05	8.80E-03	9.43E-05	1.01E-03	8.70E-06
2670	437694.4	3725103	7.13E-03	9.77E-05	1.49E-03	1.68E-05	7.68E-03	7.88E-05	9.02E-04	7.40E-06
2671	437680.1	3725093	6.52E-03	8.19E-05	1.38E-03	1.45E-05	7.04E-03	6.80E-05	8.47E-04	6.49E-06
2672	437728.8	3725115	8.12E-03	1.27E-04	1.66E-03	2.11E-05	8.71E-03	9.88E-05	9.80E-04	9.08E-06
2673	437714.5	3725105	7.28E-03	1.08E-04	1.50E-03	1.84E-05	7.82E-03	8.61E-05	8.97E-04	8.02E-06
2674	437700.2	3725095	6.49E-03	9.07E-05	1.35E-03	1.58E-05	6.99E-03	7.40E-05	8.20E-04	6.99E-06
2675	437685.9	3725085	5.85E-03	7.53E-05	1.23E-03	1.35E-05	6.32E-03	6.33E-05	7.60E-04	6.08E-06
2676	437734.7	3725107	7.22E-03	1.14E-04	1.48E-03	1.92E-05	7.75E-03	9.00E-05	8.74E-04	8.35E-06
2677	437720.4	3725097	6.50E-03	9.80E-05	1.34E-03	1.68E-05	6.98E-03	7.89E-05	8.02E-04	7.41E-06
2678	437706.1	3725087	5.87E-03	8.37E-05	1.23E-03	1.47E-05	6.33E-03	6.90E-05	7.42E-04	6.56E-06
2679	437691.8	3725077	5.24E-03	6.94E-05	1.10E-03	1.25E-05	5.66E-03	5.90E-05	6.79E-04	5.70E-06
2680	437793	3725026	3.14E-03	5.51E-05	6.46E-04	1.02E-05	3.37E-03	4.79E-05	3.84E-04	4.69E-06
2681	437778.7	3725016	2.83E-03	4.87E-05	5.86E-04	9.14E-06	3.04E-03	4.30E-05	3.51E-04	4.24E-06
2682	437764.4	3725006	2.54E-03	4.26E-05	5.29E-04	8.14E-06	2.73E-03	3.83E-05	3.19E-04	3.81E-06
2683	437750.1	3724995	2.26E-03	3.70E-05	4.74E-04	7.21E-06	2.44E-03	3.39E-05	2.89E-04	3.41E-06
2684	437804.7	3725010	2.72E-03	4.86E-05	5.60E-04	9.13E-06	2.92E-03	4.30E-05	3.33E-04	4.24E-06

2685	437790.4	3725000	2.46E-03	4.33E-05	5.10E-04	8.24E-06	2.65E-03	3.88E-05	3.05E-04	3.85E-06
2686	437776.1	3724989	2.21E-03	3.82E-05	4.61E-04	7.38E-06	2.38E-03	3.48E-05	2.78E-04	3.48E-06
2687	437761.8	3724979	1.97E-03	3.34E-05	4.13E-04	6.57E-06	2.13E-03	3.10E-05	2.51E-04	3.12E-06
2688	437816.3	3724994	2.37E-03	4.33E-05	4.89E-04	8.24E-06	2.55E-03	3.88E-05	2.91E-04	3.85E-06
2689	437787.7	3724973	1.94E-03	3.44E-05	4.03E-04	6.72E-06	2.09E-03	3.17E-05	2.43E-04	3.19E-06
2690	437773.4	3724963	1.74E-03	3.04E-05	3.62E-04	6.02E-06	1.87E-03	2.84E-05	2.20E-04	2.88E-06
2691	437813.7	3724967	1.89E-03	3.49E-05	3.92E-04	6.80E-06	2.03E-03	3.20E-05	2.35E-04	3.21E-06
2692	437839.7	3724961	1.84E-03	3.50E-05	3.79E-04	6.80E-06	1.97E-03	3.20E-05	2.26E-04	3.22E-06
2693	437825.4	3724951	1.68E-03	3.16E-05	3.47E-04	6.22E-06	1.80E-03	2.93E-05	2.08E-04	2.96E-06
2694	437811.1	3724941	1.52E-03	2.84E-05	3.16E-04	5.65E-06	1.64E-03	2.66E-05	1.90E-04	2.70E-06
2695	437796.8	3724930	1.37E-03	2.54E-05	2.86E-04	5.12E-06	1.48E-03	2.41E-05	1.73E-04	2.46E-06
2696	437851.3	3724945	1.63E-03	3.17E-05	3.37E-04	6.22E-06	1.75E-03	2.93E-05	2.01E-04	2.96E-06
2697	437837	3724935	1.50E-03	2.88E-05	3.10E-04	5.71E-06	1.61E-03	2.69E-05	1.85E-04	2.73E-06
2698	437822.7	3724924	1.36E-03	2.60E-05	2.83E-04	5.22E-06	1.46E-03	2.46E-05	1.70E-04	2.51E-06
2699	437808.4	3724914	1.23E-03	2.34E-05	2.56E-04	4.74E-06	1.32E-03	2.24E-05	1.55E-04	2.29E-06
2700	437868.9	3724921	1.38E-03	2.76E-05	2.85E-04	5.49E-06	1.48E-03	2.59E-05	1.70E-04	2.63E-06
2701	437854.5	3724910	1.27E-03	2.52E-05	2.63E-04	5.06E-06	1.36E-03	2.39E-05	1.57E-04	2.43E-06
2702	437840.2	3724900	1.16E-03	2.29E-05	2.41E-04	4.65E-06	1.25E-03	2.19E-05	1.45E-04	2.25E-06
2703	437825.9	3724890	1.06E-03	2.08E-05	2.20E-04	4.26E-06	1.14E-03	2.01E-05	1.33E-04	2.07E-06
2704	437886.4	3724896	1.18E-03	2.42E-05	2.44E-04	4.88E-06	1.27E-03	2.30E-05	1.45E-04	2.35E-06
2705	437872	3724886	1.09E-03	2.23E-05	2.25E-04	4.52E-06	1.17E-03	2.13E-05	1.35E-04	2.19E-06
2706	437857.7	3724876	1.00E-03	2.04E-05	2.07E-04	4.17E-06	1.07E-03	1.97E-05	1.24E-04	2.03E-06
2707	437843.4	3724865	9.13E-04	1.86E-05	1.90E-04	3.84E-06	9.82E-04	1.81E-05	1.14E-04	1.87E-06
2708	437899.9	3724832	7.93E-04	1.71E-05	1.64E-04	3.55E-06	8.52E-04	1.67E-05	9.83E-05	1.73E-06
2709	437885.6	3724822	7.32E-04	1.57E-05	1.52E-04	3.30E-06	7.87E-04	1.55E-05	9.11E-05	1.62E-06
2710	437931.7	3724818	7.53E-04	1.66E-05	1.55E-04	3.45E-06	8.08E-04	1.63E-05	9.28E-05	1.69E-06
2711	437917.4	3724808	6.99E-04	1.54E-05	1.45E-04	3.23E-06	7.51E-04	1.52E-05	8.65E-05	1.58E-06
2712	437903.1	3724797	6.47E-04	1.43E-05	1.34E-04	3.01E-06	6.95E-04	1.42E-05	8.04E-05	1.48E-06
2713	437949.2	3724794	6.66E-04	1.50E-05	1.37E-04	3.15E-06	7.15E-04	1.49E-05	8.20E-05	1.54E-06
2714	437934.9	3724783	6.20E-04	1.40E-05	1.28E-04	2.95E-06	6.66E-04	1.39E-05	7.67E-05	1.45E-06
2715	437920.6	3724773	5.76E-04	1.30E-05	1.19E-04	2.76E-06	6.18E-04	1.30E-05	7.15E-05	1.36E-06
2716	437966.7	3724769	5.83E-04	1.34E-05	1.20E-04	2.84E-06	6.26E-04	1.34E-05	7.19E-05	1.40E-06
2717	437952.4	3724759	5.48E-04	1.26E-05	1.13E-04	2.68E-06	5.89E-04	1.27E-05	6.78E-05	1.32E-06
2718	437938.1	3724749	5.12E-04	1.18E-05	1.06E-04	2.52E-06	5.50E-04	1.19E-05	6.35E-05	1.25E-06
2719	437955.6	3724724	4.47E-04	1.05E-05	9.26E-05	2.27E-06	4.80E-04	1.07E-05	5.55E-05	1.13E-06
2720	438019.2	3724696	4.03E-04	9.80E-06	8.32E-05	2.12E-06	4.32E-04	1.00E-05	4.97E-05	1.05E-06
2721	438004.9	3724686	3.75E-04	9.15E-06	7.75E-05	1.99E-06	4.02E-04	9.38E-06	4.64E-05	9.90E-07
2722	438042.5	3724664	3.50E-04	8.71E-06	7.24E-05	1.90E-06	3.76E-04	8.96E-06	4.32E-05	9.47E-07
2723	437619.6	3725133	1.42E-02	8.93E-05	3.12E-03	1.58E-05	1.56E-02	7.43E-05	2.03E-03	7.11E-06
2724	437615	3725125	1.28E-02	7.40E-05	2.83E-03	1.35E-05	1.40E-02	6.35E-05	1.85E-03	6.17E-06
2725	437607.8	3725117	1.24E-02	6.40E-05	2.74E-03	1.19E-05	1.36E-02	5.61E-05	1.81E-03	5.52E-06
2726	437623.1	3725111	8.99E-03	6.17E-05	1.98E-03	1.15E-05	9.83E-03	5.43E-05	1.29E-03	5.35E-06
2727	437638.7	3725110	8.01E-03	6.84E-05	1.74E-03	1.26E-05	8.73E-03	5.91E-05	1.12E-03	5.76E-06
2728	437600.8	3725110	1.21E-02	5.77E-05	2.70E-03	1.09E-05	1.33E-02	5.13E-05	1.78E-03	5.08E-06
2729	437615.5	3725104	8.77E-03	5.47E-05	1.94E-03	1.04E-05	9.60E-03	4.90E-05	1.27E-03	4.87E-06
2730	437637.9	3725100	7.23E-03	6.12E-05	1.58E-03	1.14E-05	7.89E-03	5.38E-05	1.01E-03	5.29E-06
2731	437593.9	3725103	1.16E-02	5.13E-05	2.58E-03	9.84E-06	1.27E-02	4.63E-05	1.71E-03	4.62E-06
2732	437608.2	3725097	8.49E-03	4.94E-05	1.88E-03	9.54E-06	9.30E-03	4.49E-05	1.24E-03	4.49E-06
2733	437622.6	3725091	6.85E-03	4.92E-05	1.51E-03	9.50E-06	7.49E-03	4.47E-05	9.81E-04	4.47E-06
2734	437637.1	3725090	6.53E-03	5.59E-05	1.42E-03	1.06E-05	7.12E-03	4.97E-05	9.16E-04	4.91E-06
2735	437588.3	3725095	1.04E-02	4.52E-05	2.32E-03	8.78E-06	1.14E-02	4.14E-05	1.54E-03	4.15E-06
2736	437604.6	3725088	7.56E-03	4.45E-05	1.67E-03	8.69E-06	8.29E-03	4.09E-05	1.10E-03	4.12E-06
2737	437621	3725081	6.04E-03	4.44E-05	1.33E-03	8.68E-06	6.61E-03	4.09E-05	8.66E-04	4.12E-06
2738	437637.7	3725080	5.82E-03	5.15E-05	1.27E-03	9.83E-06	6.35E-03	4.62E-05	8.15E-04	4.60E-06
2739	437654.6	3725085	6.06E-03	6.21E-05	1.30E-03	1.15E-05	6.58E-03	5.41E-05	8.26E-04	5.29E-06
2740	437581.3	3725087	9.39E-03	4.01E-05	2.10E-03	7.88E-06	1.03E-02	3.71E-05	1.40E-03	3.74E-06

2741	437597.1	3725081	7.11E-03	4.02E-05	1.58E-03	7.94E-06	7.80E-03	3.74E-05	1.04E-03	3.78E-06
2742	437612.9	3725074	5.76E-03	4.07E-05	1.27E-03	8.03E-06	6.31E-03	3.78E-05	8.30E-04	3.82E-06
2743	437636.8	3725070	5.06E-03	4.52E-05	1.10E-03	8.79E-06	5.52E-03	4.14E-05	7.11E-04	4.15E-06
2744	437669.6	3725080	5.53E-03	6.38E-05	1.18E-03	1.17E-05	6.00E-03	5.51E-05	7.39E-04	5.37E-06
2745	437566.8	3725097	1.49E-02	4.16E-05	3.35E-03	8.09E-06	1.64E-02	3.81E-05	2.25E-03	3.83E-06
2746	437574.5	3725080	8.46E-03	3.59E-05	1.89E-03	7.11E-06	9.30E-03	3.35E-05	1.26E-03	3.39E-06
2747	437589.8	3725074	6.54E-03	3.59E-05	1.45E-03	7.16E-06	7.17E-03	3.37E-05	9.60E-04	3.43E-06
2748	437605.1	3725067	5.35E-03	3.62E-05	1.18E-03	7.24E-06	5.86E-03	3.41E-05	7.75E-04	3.47E-06
2749	437560.1	3725089	1.30E-02	3.72E-05	2.93E-03	7.30E-06	1.43E-02	3.44E-05	1.96E-03	3.46E-06
2750	437561.6	3725065	6.46E-03	2.93E-05	1.44E-03	5.87E-06	7.10E-03	2.76E-05	9.59E-04	2.82E-06
2751	437578	3725058	5.08E-03	2.92E-05	1.13E-03	5.91E-06	5.58E-03	2.78E-05	7.46E-04	2.85E-06
2752	437594.3	3725051	4.25E-03	2.93E-05	9.39E-04	5.97E-06	4.65E-03	2.81E-05	6.16E-04	2.89E-06
2753	437546.8	3725074	9.53E-03	3.04E-05	2.14E-03	6.01E-06	1.05E-02	2.83E-05	1.43E-03	2.86E-06
2754	437547.9	3725050	4.55E-03	2.44E-05	1.01E-03	4.90E-06	4.99E-03	2.31E-05	6.70E-04	2.36E-06
2755	437563.5	3725044	3.90E-03	2.42E-05	8.66E-04	4.93E-06	4.28E-03	2.32E-05	5.71E-04	2.39E-06
2756	437533.4	3725059	5.98E-03	2.53E-05	1.34E-03	5.01E-06	6.57E-03	2.36E-05	8.90E-04	2.39E-06
2757	437699.2	3724980	1.78E-03	2.61E-05	3.79E-04	5.35E-06	1.93E-03	2.52E-05	2.37E-04	2.59E-06
2758	437716.2	3724985	1.94E-03	2.95E-05	4.10E-04	5.94E-06	2.10E-03	2.80E-05	2.54E-04	2.86E-06
2759	437733.1	3724990	2.10E-03	3.32E-05	4.42E-04	6.56E-06	2.27E-03	3.09E-05	2.72E-04	3.13E-06
2760	437662.9	3724950	1.18E-03	1.72E-05	2.54E-04	3.70E-06	1.29E-03	1.75E-05	1.61E-04	1.83E-06
2761	437679.4	3724955	1.31E-03	1.93E-05	2.80E-04	4.10E-06	1.42E-03	1.93E-05	1.76E-04	2.02E-06
2762	437695.9	3724960	1.43E-03	2.17E-05	3.05E-04	4.53E-06	1.55E-03	2.14E-05	1.91E-04	2.22E-06
2763	437712.3	3724965	1.56E-03	2.43E-05	3.31E-04	5.00E-06	1.69E-03	2.36E-05	2.06E-04	2.43E-06
2764	437728.8	3724969	1.70E-03	2.72E-05	3.58E-04	5.50E-06	1.83E-03	2.59E-05	2.21E-04	2.65E-06
2765	437745.3	3724974	1.83E-03	3.03E-05	3.85E-04	6.03E-06	1.98E-03	2.84E-05	2.36E-04	2.89E-06
2766	437466.8	3725012	1.07E-03	1.45E-05	2.26E-04	2.82E-06	1.15E-03	1.33E-05	1.41E-04	1.33E-06
2767	437453.4	3725024	1.15E-03	1.53E-05	2.45E-04	2.94E-06	1.25E-03	1.38E-05	1.53E-04	1.38E-06
2768	437440	3725036	1.24E-03	1.59E-05	2.64E-04	3.06E-06	1.34E-03	1.44E-05	1.64E-04	1.43E-06
2769	437481.7	3724975	7.53E-04	1.17E-05	1.59E-04	2.32E-06	8.14E-04	1.09E-05	9.80E-05	1.11E-06
2770	437498	3724969	7.46E-04	1.15E-05	1.58E-04	2.32E-06	8.07E-04	1.09E-05	9.79E-05	1.12E-06
2771	437514.4	3724962	7.43E-04	1.13E-05	1.58E-04	2.32E-06	8.04E-04	1.10E-05	9.84E-05	1.13E-06
2772	437646.1	3724926	8.69E-04	1.34E-05	1.87E-04	2.94E-06	9.44E-04	1.39E-05	1.18E-04	1.47E-06
2773	437663.1	3724931	9.70E-04	1.50E-05	2.08E-04	3.25E-06	1.05E-03	1.54E-05	1.31E-04	1.62E-06
2774	437680.1	3724935	1.08E-03	1.68E-05	2.31E-04	3.60E-06	1.17E-03	1.70E-05	1.45E-04	1.78E-06
2775	437697	3724940	1.19E-03	1.88E-05	2.53E-04	3.98E-06	1.29E-03	1.88E-05	1.58E-04	1.96E-06
2776	437714	3724945	1.30E-03	2.11E-05	2.77E-04	4.39E-06	1.41E-03	2.07E-05	1.72E-04	2.15E-06
2777	437731	3724950	1.42E-03	2.35E-05	3.01E-04	4.84E-06	1.54E-03	2.28E-05	1.86E-04	2.35E-06
2778	437748	3724955	1.55E-03	2.62E-05	3.26E-04	5.30E-06	1.67E-03	2.50E-05	2.00E-04	2.56E-06
2779	437466.8	3724985	7.89E-04	1.21E-05	1.66E-04	2.38E-06	8.53E-04	1.12E-05	1.02E-04	1.13E-06
2780	437453.4	3724997	8.57E-04	1.28E-05	1.81E-04	2.48E-06	9.26E-04	1.17E-05	1.11E-04	1.17E-06
2781	437440.1	3725009	9.27E-04	1.34E-05	1.96E-04	2.59E-06	1.00E-03	1.22E-05	1.21E-04	1.22E-06
2782	437426.7	3725021	9.93E-04	1.40E-05	2.10E-04	2.70E-06	1.07E-03	1.27E-05	1.30E-04	1.27E-06
2783	437468.1	3724961	6.26E-04	1.04E-05	1.31E-04	2.06E-06	6.76E-04	9.71E-06	8.03E-05	9.83E-07
2784	437484.1	3724954	6.13E-04	1.02E-05	1.29E-04	2.05E-06	6.62E-04	9.68E-06	7.90E-05	9.86E-07
2785	437500	3724947	6.04E-04	1.00E-05	1.27E-04	2.05E-06	6.52E-04	9.67E-06	7.84E-05	9.93E-07
2786	437516	3724941	5.98E-04	9.89E-06	1.27E-04	2.05E-06	6.46E-04	9.68E-06	7.84E-05	1.00E-06
2787	437531.9	3724934	5.94E-04	9.77E-06	1.26E-04	2.06E-06	6.43E-04	9.73E-06	7.87E-05	1.01E-06
2788	437661	3724910	7.92E-04	1.29E-05	1.70E-04	2.84E-06	8.59E-04	1.34E-05	1.07E-04	1.42E-06
2789	437677.5	3724915	8.79E-04	1.44E-05	1.88E-04	3.13E-06	9.53E-04	1.48E-05	1.18E-04	1.56E-06
2790	437694.1	3724920	9.71E-04	1.60E-05	2.07E-04	3.44E-06	1.05E-03	1.62E-05	1.30E-04	1.71E-06
2791	437710.6	3724925	1.07E-03	1.78E-05	2.27E-04	3.78E-06	1.16E-03	1.78E-05	1.41E-04	1.86E-06
2792	437727.2	3724930	1.17E-03	1.98E-05	2.47E-04	4.14E-06	1.26E-03	1.95E-05	1.53E-04	2.03E-06
2793	437743.7	3724934	1.27E-03	2.19E-05	2.68E-04	4.53E-06	1.37E-03	2.13E-05	1.65E-04	2.20E-06
2794	437760.3	3724939	1.38E-03	2.42E-05	2.89E-04	4.93E-06	1.49E-03	2.32E-05	1.77E-04	2.38E-06
2795	437453.5	3724970	6.61E-04	1.08E-05	1.39E-04	2.11E-06	7.13E-04	9.94E-06	8.46E-05	1.00E-06
2796	437440.1	3724982	7.17E-04	1.14E-05	1.50E-04	2.20E-06	7.74E-04	1.04E-05	9.19E-05	1.04E-06

2797	437426.7	3724994	7.74E-04	1.19E-05	1.63E-04	2.30E-06	8.35E-04	1.08E-05	9.96E-05	1.08E-06
2798	437413.4	3725006	8.26E-04	1.25E-05	1.74E-04	2.40E-06	8.92E-04	1.13E-05	1.07E-04	1.13E-06
2799	437455	3724946	5.37E-04	9.34E-06	1.12E-04	1.84E-06	5.79E-04	8.69E-06	6.81E-05	8.78E-07
2800	437471.4	3724939	5.20E-04	9.15E-06	1.09E-04	1.83E-06	5.61E-04	8.63E-06	6.62E-05	8.78E-07
2801	437487.7	3724932	5.07E-04	8.97E-06	1.06E-04	1.82E-06	5.47E-04	8.59E-06	6.49E-05	8.81E-07
2802	437504.1	3724925	4.98E-04	8.81E-06	1.05E-04	1.82E-06	5.37E-04	8.59E-06	6.43E-05	8.87E-07
2803	437520.4	3724919	4.91E-04	8.68E-06	1.04E-04	1.83E-06	5.30E-04	8.61E-06	6.40E-05	8.96E-07
2804	437602.2	3724885	4.94E-04	8.77E-06	1.06E-04	1.96E-06	5.36E-04	9.25E-06	6.64E-05	9.87E-07
2805	437677.9	3724896	7.37E-04	1.27E-05	1.57E-04	2.78E-06	7.99E-04	1.31E-05	9.88E-05	1.39E-06
2806	437694.9	3724901	8.18E-04	1.41E-05	1.74E-04	3.06E-06	8.86E-04	1.44E-05	1.09E-04	1.52E-06
2807	437711.9	3724905	9.04E-04	1.57E-05	1.92E-04	3.36E-06	9.79E-04	1.58E-05	1.20E-04	1.66E-06
2808	437728.9	3724910	9.93E-04	1.74E-05	2.10E-04	3.68E-06	1.07E-03	1.74E-05	1.30E-04	1.81E-06
2809	437745.8	3724915	1.09E-03	1.92E-05	2.29E-04	4.02E-06	1.17E-03	1.90E-05	1.41E-04	1.97E-06
2810	437440.1	3724955	5.69E-04	9.69E-06	1.19E-04	1.89E-06	6.13E-04	8.91E-06	7.21E-05	8.97E-07
2811	437426.8	3724967	6.16E-04	1.02E-05	1.29E-04	1.98E-06	6.64E-04	9.32E-06	7.82E-05	9.34E-07
2812	437413.4	3724979	6.62E-04	1.07E-05	1.39E-04	2.07E-06	7.14E-04	9.74E-06	8.44E-05	9.74E-07
2813	437400.1	3724991	7.05E-04	1.12E-05	1.48E-04	2.16E-06	7.60E-04	1.02E-05	9.01E-05	1.02E-06
2814	437441.5	3724931	4.71E-04	8.45E-06	9.80E-05	1.66E-06	5.07E-04	7.84E-06	5.91E-05	7.92E-07
2815	437457.5	3724924	4.54E-04	8.27E-06	9.45E-05	1.65E-06	4.88E-04	7.77E-06	5.71E-05	7.89E-07
2816	437473.5	3724918	4.39E-04	8.10E-06	9.16E-05	1.64E-06	4.73E-04	7.71E-06	5.55E-05	7.89E-07
2817	437489.5	3724911	4.27E-04	7.94E-06	8.93E-05	1.63E-06	4.60E-04	7.69E-06	5.44E-05	7.92E-07
2818	437505.5	3724904	4.18E-04	7.81E-06	8.77E-05	1.63E-06	4.51E-04	7.69E-06	5.37E-05	7.97E-07
2819	437585.5	3724871	4.11E-04	7.70E-06	8.76E-05	1.72E-06	4.45E-04	8.12E-06	5.47E-05	8.65E-07
2820	437601.5	3724865	4.15E-04	7.81E-06	8.86E-05	1.75E-06	4.50E-04	8.28E-06	5.54E-05	8.86E-07
2821	437625.8	3724861	4.44E-04	8.32E-06	9.47E-05	1.87E-06	4.81E-04	8.85E-06	5.94E-05	9.47E-07
2822	437692.2	3724880	6.80E-04	1.22E-05	1.45E-04	2.68E-06	7.36E-04	1.26E-05	9.04E-05	1.34E-06
2823	437708.8	3724885	7.51E-04	1.35E-05	1.59E-04	2.93E-06	8.12E-04	1.38E-05	9.92E-05	1.46E-06
2824	437725.4	3724890	8.26E-04	1.49E-05	1.75E-04	3.20E-06	8.93E-04	1.51E-05	1.08E-04	1.59E-06
2825	437742	3724895	9.04E-04	1.64E-05	1.91E-04	3.49E-06	9.77E-04	1.65E-05	1.18E-04	1.72E-06
2826	437775.2	3724904	1.07E-03	1.98E-05	2.24E-04	4.10E-06	1.15E-03	1.93E-05	1.37E-04	2.00E-06
2827	437791.8	3724909	1.15E-03	2.16E-05	2.40E-04	4.42E-06	1.24E-03	2.08E-05	1.46E-04	2.15E-06
2828	437426.8	3724940	4.99E-04	8.77E-06	1.04E-04	1.71E-06	5.37E-04	8.06E-06	6.27E-05	8.11E-07
2829	437413.5	3724952	5.38E-04	9.23E-06	1.12E-04	1.79E-06	5.80E-04	8.44E-06	6.79E-05	8.46E-07
2830	437400.1	3724964	5.77E-04	9.70E-06	1.20E-04	1.88E-06	6.22E-04	8.83E-06	7.30E-05	8.84E-07
2831	437386.7	3724976	6.12E-04	1.02E-05	1.28E-04	1.97E-06	6.60E-04	9.25E-06	7.77E-05	9.26E-07
2832	437421.6	3724908	3.96E-04	7.36E-06	8.21E-05	1.45E-06	4.26E-04	6.82E-06	4.93E-05	6.89E-07
2833	437437.8	3724902	3.80E-04	7.18E-06	7.88E-05	1.43E-06	4.08E-04	6.73E-06	4.73E-05	6.82E-07
2834	437454	3724895	3.65E-04	7.01E-06	7.57E-05	1.41E-06	3.92E-04	6.65E-06	4.55E-05	6.78E-07
2835	437470.2	3724888	3.51E-04	6.85E-06	7.30E-05	1.40E-06	3.78E-04	6.59E-06	4.41E-05	6.77E-07
2836	437486.3	3724882	3.40E-04	6.72E-06	7.09E-05	1.39E-06	3.66E-04	6.56E-06	4.29E-05	6.79E-07
2837	437502.5	3724875	3.31E-04	6.60E-06	6.93E-05	1.39E-06	3.57E-04	6.56E-06	4.21E-05	6.83E-07
2838	437567.3	3724848	3.21E-04	6.48E-06	6.80E-05	1.44E-06	3.47E-04	6.81E-06	4.21E-05	7.25E-07
2839	437583.5	3724842	3.23E-04	6.54E-06	6.86E-05	1.47E-06	3.50E-04	6.94E-06	4.26E-05	7.42E-07
2840	437599.7	3724835	3.27E-04	6.63E-06	6.95E-05	1.50E-06	3.54E-04	7.08E-06	4.33E-05	7.59E-07
2841	437624.3	3724831	3.49E-04	7.04E-06	7.43E-05	1.60E-06	3.78E-04	7.55E-06	4.63E-05	8.10E-07
2842	437641.1	3724836	3.88E-04	7.68E-06	8.26E-05	1.74E-06	4.20E-04	8.21E-06	5.16E-05	8.81E-07
2843	437657.9	3724841	4.32E-04	8.41E-06	9.19E-05	1.89E-06	4.67E-04	8.96E-06	5.74E-05	9.59E-07
2844	437725.1	3724860	6.51E-04	1.23E-05	1.38E-04	2.69E-06	7.04E-04	1.27E-05	8.54E-05	1.34E-06
2845	437741.9	3724865	7.15E-04	1.36E-05	1.51E-04	2.93E-06	7.73E-04	1.38E-05	9.32E-05	1.45E-06
2846	437775.5	3724875	8.49E-04	1.63E-05	1.78E-04	3.44E-06	9.16E-04	1.62E-05	1.09E-04	1.69E-06
2847	437792.3	3724880	9.18E-04	1.77E-05	1.92E-04	3.71E-06	9.89E-04	1.75E-05	1.17E-04	1.81E-06
2848	437809.1	3724885	9.86E-04	1.92E-05	2.06E-04	3.98E-06	1.06E-03	1.88E-05	1.25E-04	1.94E-06
2849	437406.8	3724918	4.20E-04	7.65E-06	8.71E-05	1.50E-06	4.51E-04	7.04E-06	5.23E-05	7.09E-07
2850	437393.5	3724930	4.51E-04	8.05E-06	9.36E-05	1.57E-06	4.85E-04	7.38E-06	5.63E-05	7.41E-07
2851	437380.1	3724942	4.81E-04	8.46E-06	1.00E-04	1.64E-06	5.17E-04	7.75E-06	6.03E-05	7.77E-07
2852	437366.7	3724954	5.08E-04	8.87E-06	1.06E-04	1.73E-06	5.47E-04	8.13E-06	6.39E-05	8.17E-07

2853	437401.7	3724886	3.41E-04	6.50E-06	7.05E-05	1.28E-06	3.66E-04	6.04E-06	4.22E-05	6.10E-07
2854	437418	3724879	3.26E-04	6.33E-06	6.75E-05	1.26E-06	3.51E-04	5.92E-06	4.04E-05	6.00E-07
2855	437434.4	3724873	3.12E-04	6.16E-06	6.46E-05	1.24E-06	3.35E-04	5.82E-06	3.86E-05	5.93E-07
2856	437450.7	3724866	2.99E-04	6.01E-06	6.19E-05	1.22E-06	3.21E-04	5.75E-06	3.71E-05	5.89E-07
2857	437467.1	3724859	2.87E-04	5.87E-06	5.95E-05	1.21E-06	3.08E-04	5.69E-06	3.58E-05	5.87E-07
2858	437483.4	3724852	2.77E-04	5.75E-06	5.76E-05	1.20E-06	2.98E-04	5.66E-06	3.47E-05	5.88E-07
2859	437565.2	3724819	2.59E-04	5.56E-06	5.46E-05	1.24E-06	2.80E-04	5.88E-06	3.37E-05	6.28E-07
2860	437581.6	3724812	2.61E-04	5.61E-06	5.51E-05	1.27E-06	2.82E-04	5.99E-06	3.41E-05	6.41E-07
2861	437597.9	3724805	2.63E-04	5.69E-06	5.58E-05	1.29E-06	2.85E-04	6.11E-06	3.46E-05	6.56E-07
2862	437622.7	3724801	2.81E-04	6.03E-06	5.96E-05	1.38E-06	3.04E-04	6.50E-06	3.70E-05	7.00E-07
2863	437639.7	3724806	3.09E-04	6.55E-06	6.57E-05	1.49E-06	3.35E-04	7.05E-06	4.09E-05	7.59E-07
2864	437656.7	3724811	3.43E-04	7.15E-06	7.28E-05	1.62E-06	3.71E-04	7.67E-06	4.53E-05	8.24E-07
2865	437673.7	3724816	3.82E-04	7.82E-06	8.11E-05	1.77E-06	4.13E-04	8.36E-06	5.05E-05	8.96E-07
2866	437690.7	3724821	4.25E-04	8.58E-06	9.01E-05	1.93E-06	4.59E-04	9.10E-06	5.60E-05	9.73E-07
2867	437792.5	3724850	7.41E-04	1.48E-05	1.55E-04	3.14E-06	7.99E-04	1.48E-05	9.47E-05	1.55E-06
2868	437809.5	3724855	7.99E-04	1.60E-05	1.67E-04	3.37E-06	8.61E-04	1.59E-05	1.01E-04	1.65E-06
2869	437826.5	3724860	8.57E-04	1.73E-05	1.79E-04	3.60E-06	9.22E-04	1.70E-05	1.08E-04	1.76E-06
2870	437386.8	3724895	3.60E-04	6.77E-06	7.46E-05	1.33E-06	3.87E-04	6.25E-06	4.47E-05	6.30E-07
2871	437373.5	3724907	3.85E-04	7.12E-06	7.98E-05	1.39E-06	4.14E-04	6.56E-06	4.79E-05	6.60E-07
2872	437360.1	3724919	4.09E-04	7.49E-06	8.48E-05	1.46E-06	4.40E-04	6.90E-06	5.09E-05	6.94E-07
2873	437346.7	3724931	4.31E-04	7.85E-06	8.94E-05	1.54E-06	4.63E-04	7.26E-06	5.38E-05	7.32E-07
2874	437381.8	3724864	2.98E-04	5.82E-06	6.16E-05	1.15E-06	3.20E-04	5.41E-06	3.67E-05	5.47E-07
2875	437398.3	3724857	2.86E-04	5.65E-06	5.89E-05	1.12E-06	3.07E-04	5.28E-06	3.51E-05	5.36E-07
2876	437414.7	3724850	2.73E-04	5.49E-06	5.63E-05	1.10E-06	2.93E-04	5.18E-06	3.36E-05	5.27E-07
2877	437431.2	3724843	2.60E-04	5.34E-06	5.37E-05	1.08E-06	2.79E-04	5.08E-06	3.21E-05	5.20E-07
2878	437447.7	3724836	2.49E-04	5.19E-06	5.14E-05	1.06E-06	2.67E-04	5.01E-06	3.07E-05	5.15E-07
2879	437464.2	3724830	2.38E-04	5.07E-06	4.94E-05	1.05E-06	2.56E-04	4.96E-06	2.96E-05	5.13E-07
2880	437546.7	3724796	2.13E-04	4.80E-06	4.47E-05	1.07E-06	2.30E-04	5.04E-06	2.74E-05	5.37E-07
2881	437563.2	3724789	2.13E-04	4.82E-06	4.48E-05	1.08E-06	2.30E-04	5.12E-06	2.75E-05	5.48E-07
2882	437579.7	3724782	2.14E-04	4.87E-06	4.52E-05	1.10E-06	2.31E-04	5.21E-06	2.78E-05	5.60E-07
2883	437596.2	3724775	2.17E-04	4.93E-06	4.57E-05	1.13E-06	2.34E-04	5.32E-06	2.82E-05	5.72E-07
2884	437621.2	3724771	2.28E-04	5.21E-06	4.81E-05	1.20E-06	2.46E-04	5.65E-06	2.97E-05	6.09E-07
2885	437638.3	3724776	2.49E-04	5.64E-06	5.28E-05	1.29E-06	2.70E-04	6.11E-06	3.27E-05	6.59E-07
2886	437655.5	3724781	2.75E-04	6.13E-06	5.82E-05	1.40E-06	2.97E-04	6.62E-06	3.60E-05	7.13E-07
2887	437672.6	3724786	3.04E-04	6.68E-06	6.43E-05	1.52E-06	3.28E-04	7.19E-06	3.98E-05	7.73E-07
2888	437689.7	3724791	3.37E-04	7.30E-06	7.13E-05	1.65E-06	3.64E-04	7.81E-06	4.42E-05	8.38E-07
2889	437706.8	3724796	3.75E-04	7.99E-06	7.92E-05	1.80E-06	4.05E-04	8.49E-06	4.90E-05	9.09E-07
2890	437366.8	3724873	3.14E-04	6.06E-06	6.50E-05	1.19E-06	3.38E-04	5.62E-06	3.88E-05	5.68E-07
2891	437353.5	3724885	3.35E-04	6.38E-06	6.92E-05	1.25E-06	3.59E-04	5.91E-06	4.14E-05	5.97E-07
2892	437340.1	3724897	3.54E-04	6.71E-06	7.32E-05	1.32E-06	3.80E-04	6.22E-06	4.39E-05	6.29E-07
2893	437361.6	3724841	2.64E-04	5.27E-06	5.45E-05	1.04E-06	2.84E-04	4.92E-06	3.24E-05	4.98E-07
2894	437377.7	3724835	2.54E-04	5.11E-06	5.23E-05	1.02E-06	2.72E-04	4.79E-06	3.11E-05	4.86E-07
2895	437393.8	3724828	2.43E-04	4.96E-06	5.01E-05	9.91E-07	2.61E-04	4.67E-06	2.98E-05	4.75E-07
2896	437409.9	3724821	2.32E-04	4.82E-06	4.78E-05	9.70E-07	2.49E-04	4.57E-06	2.84E-05	4.67E-07
2897	437426	3724815	2.21E-04	4.68E-06	4.56E-05	9.52E-07	2.38E-04	4.49E-06	2.72E-05	4.60E-07
2898	437442	3724808	2.12E-04	4.55E-06	4.36E-05	9.37E-07	2.27E-04	4.42E-06	2.60E-05	4.56E-07
2899	437538.6	3724768	1.79E-04	4.19E-06	3.75E-05	9.34E-07	1.93E-04	4.41E-06	2.28E-05	4.71E-07
2900	437554.7	3724762	1.79E-04	4.21E-06	3.74E-05	9.46E-07	1.92E-04	4.47E-06	2.29E-05	4.79E-07
2901	437570.8	3724755	1.79E-04	4.24E-06	3.76E-05	9.61E-07	1.93E-04	4.54E-06	2.30E-05	4.88E-07
2902	437586.9	3724748	1.80E-04	4.29E-06	3.79E-05	9.79E-07	1.94E-04	4.63E-06	2.33E-05	4.98E-07
2903	437603	3724742	1.80E-04	4.35E-06	3.80E-05	9.99E-07	1.95E-04	4.72E-06	2.34E-05	5.09E-07
2904	437619.4	3724741	1.88E-04	4.54E-06	3.96E-05	1.05E-06	2.03E-04	4.94E-06	2.44E-05	5.34E-07
2905	437636.1	3724746	2.01E-04	4.81E-06	4.25E-05	1.11E-06	2.17E-04	5.24E-06	2.62E-05	5.66E-07
2906	437652.8	3724751	2.17E-04	5.11E-06	4.58E-05	1.18E-06	2.34E-04	5.57E-06	2.83E-05	6.02E-07
2907	437669.5	3724755	2.36E-04	5.49E-06	5.00E-05	1.26E-06	2.55E-04	5.97E-06	3.09E-05	6.44E-07
2908	437686.3	3724760	2.58E-04	5.91E-06	5.45E-05	1.35E-06	2.79E-04	6.40E-06	3.37E-05	6.90E-07

2909	437703	3724765	2.83E-04	6.40E-06	5.98E-05	1.46E-06	3.06E-04	6.89E-06	3.69E-05	7.42E-07
2910	437753.1	3724780	3.99E-04	8.69E-06	8.39E-05	1.93E-06	4.30E-04	9.13E-06	5.15E-05	9.72E-07
2911	437769.8	3724785	4.41E-04	9.47E-06	9.28E-05	2.09E-06	4.76E-04	9.86E-06	5.69E-05	1.05E-06
2912	437786.5	3724790	4.82E-04	1.03E-05	1.01E-04	2.25E-06	5.20E-04	1.06E-05	6.19E-05	1.12E-06
2913	437803.2	3724795	5.22E-04	1.11E-05	1.09E-04	2.41E-06	5.63E-04	1.14E-05	6.67E-05	1.20E-06
2914	437820	3724800	5.63E-04	1.20E-05	1.18E-04	2.58E-06	6.06E-04	1.22E-05	7.15E-05	1.28E-06
2915	437836.7	3724804	6.04E-04	1.29E-05	1.26E-04	2.75E-06	6.50E-04	1.30E-05	7.64E-05	1.36E-06
2916	437853.4	3724809	6.44E-04	1.38E-05	1.34E-04	2.92E-06	6.93E-04	1.38E-05	8.10E-05	1.44E-06
2917	437870.1	3724814	6.83E-04	1.47E-05	1.42E-04	3.09E-06	7.35E-04	1.46E-05	8.55E-05	1.52E-06
2918	437346.8	3724851	2.78E-04	5.49E-06	5.73E-05	1.09E-06	2.98E-04	5.12E-06	3.42E-05	5.18E-07
2919	437333.5	3724863	2.94E-04	5.78E-06	6.08E-05	1.14E-06	3.16E-04	5.39E-06	3.63E-05	5.46E-07
2920	437341.6	3724819	2.37E-04	4.81E-06	4.87E-05	9.59E-07	2.54E-04	4.52E-06	2.90E-05	4.59E-07
2921	437357.9	3724812	2.28E-04	4.66E-06	4.68E-05	9.30E-07	2.44E-04	4.38E-06	2.78E-05	4.46E-07
2922	437374.1	3724806	2.18E-04	4.52E-06	4.48E-05	9.05E-07	2.34E-04	4.26E-06	2.66E-05	4.34E-07
2923	437471.5	3724765	1.67E-04	3.84E-06	3.45E-05	8.17E-07	1.79E-04	3.85E-06	2.06E-05	4.03E-07
2924	437487.7	3724759	1.61E-04	3.77E-06	3.34E-05	8.14E-07	1.73E-04	3.84E-06	2.01E-05	4.04E-07
2925	437504	3724752	1.57E-04	3.73E-06	3.27E-05	8.15E-07	1.69E-04	3.85E-06	1.97E-05	4.07E-07
2926	437520.2	3724745	1.54E-04	3.71E-06	3.21E-05	8.20E-07	1.66E-04	3.87E-06	1.94E-05	4.12E-07
2927	437536.4	3724739	1.53E-04	3.70E-06	3.18E-05	8.28E-07	1.64E-04	3.91E-06	1.93E-05	4.18E-07
2928	437552.6	3724732	1.52E-04	3.71E-06	3.18E-05	8.38E-07	1.64E-04	3.96E-06	1.94E-05	4.25E-07
2929	437568.9	3724725	1.52E-04	3.74E-06	3.19E-05	8.52E-07	1.64E-04	4.03E-06	1.95E-05	4.33E-07
2930	437585.1	3724718	1.52E-04	3.78E-06	3.20E-05	8.67E-07	1.64E-04	4.10E-06	1.96E-05	4.42E-07
2931	437601.3	3724712	1.53E-04	3.84E-06	3.20E-05	8.84E-07	1.64E-04	4.18E-06	1.96E-05	4.51E-07
2932	437617.9	3724711	1.56E-04	3.93E-06	3.28E-05	9.08E-07	1.68E-04	4.29E-06	2.01E-05	4.64E-07
2933	437634.7	3724716	1.64E-04	4.09E-06	3.46E-05	9.49E-07	1.77E-04	4.49E-06	2.13E-05	4.86E-07
2934	437651.6	3724721	1.75E-04	4.31E-06	3.69E-05	1.00E-06	1.89E-04	4.73E-06	2.27E-05	5.12E-07
2935	437668.4	3724726	1.88E-04	4.58E-06	3.97E-05	1.06E-06	2.03E-04	5.02E-06	2.45E-05	5.44E-07
2936	437735.9	3724745	2.76E-04	6.36E-06	5.81E-05	1.45E-06	2.98E-04	6.84E-06	3.58E-05	7.35E-07
2937	437752.7	3724750	3.05E-04	6.95E-06	6.41E-05	1.57E-06	3.29E-04	7.42E-06	3.94E-05	7.94E-07
2938	437769.6	3724755	3.32E-04	7.52E-06	6.98E-05	1.68E-06	3.58E-04	7.96E-06	4.28E-05	8.50E-07
2939	437786.4	3724760	3.72E-04	8.35E-06	7.81E-05	1.85E-06	4.01E-04	8.76E-06	4.78E-05	9.32E-07
2940	437803.3	3724765	4.18E-04	9.31E-06	8.75E-05	2.05E-06	4.51E-04	9.66E-06	5.34E-05	1.02E-06
2941	437820.1	3724770	4.62E-04	1.02E-05	9.66E-05	2.22E-06	4.98E-04	1.05E-05	5.87E-05	1.11E-06
2942	437853.8	3724780	5.36E-04	1.18E-05	1.12E-04	2.53E-06	5.77E-04	1.19E-05	6.76E-05	1.25E-06
2943	437870.7	3724785	5.71E-04	1.26E-05	1.19E-04	2.68E-06	6.14E-04	1.26E-05	7.16E-05	1.32E-06
2944	437887.5	3724790	6.05E-04	1.33E-05	1.26E-04	2.83E-06	6.51E-04	1.34E-05	7.56E-05	1.40E-06
2945	437326.8	3724828	2.48E-04	5.02E-06	5.11E-05	9.99E-07	2.66E-04	4.71E-06	3.04E-05	4.78E-07
2946	437313.5	3724840	2.62E-04	5.28E-06	5.41E-05	1.05E-06	2.81E-04	4.96E-06	3.22E-05	5.04E-07
2947	437321.7	3724797	2.14E-04	4.44E-06	4.40E-05	8.89E-07	2.29E-04	4.19E-06	2.61E-05	4.27E-07
2948	437338.1	3724790	2.06E-04	4.29E-06	4.23E-05	8.60E-07	2.21E-04	4.05E-06	2.51E-05	4.13E-07
2949	437436.2	3724749	1.56E-04	3.56E-06	3.22E-05	7.44E-07	1.68E-04	3.51E-06	1.91E-05	3.64E-07
2950	437452.5	3724743	1.50E-04	3.47E-06	3.09E-05	7.35E-07	1.61E-04	3.47E-06	1.84E-05	3.62E-07
2951	437468.9	3724736	1.44E-04	3.41E-06	2.98E-05	7.30E-07	1.55E-04	3.45E-06	1.78E-05	3.62E-07
2952	437485.2	3724729	1.39E-04	3.35E-06	2.89E-05	7.28E-07	1.50E-04	3.44E-06	1.73E-05	3.63E-07
2953	437501.6	3724722	1.36E-04	3.32E-06	2.82E-05	7.29E-07	1.46E-04	3.44E-06	1.70E-05	3.65E-07
2954	437517.9	3724716	1.33E-04	3.30E-06	2.77E-05	7.33E-07	1.43E-04	3.46E-06	1.67E-05	3.69E-07
2955	437534.3	3724709	1.32E-04	3.29E-06	2.75E-05	7.39E-07	1.42E-04	3.49E-06	1.66E-05	3.74E-07
2956	437550.6	3724702	1.31E-04	3.30E-06	2.74E-05	7.48E-07	1.41E-04	3.54E-06	1.66E-05	3.80E-07
2957	437567	3724695	1.31E-04	3.33E-06	2.75E-05	7.60E-07	1.41E-04	3.59E-06	1.67E-05	3.87E-07
2958	437583.3	3724689	1.31E-04	3.36E-06	2.74E-05	7.73E-07	1.41E-04	3.66E-06	1.67E-05	3.94E-07
2959	437599.7	3724682	1.31E-04	3.40E-06	2.74E-05	7.84E-07	1.41E-04	3.71E-06	1.67E-05	4.01E-07
2960	437616.4	3724681	1.32E-04	3.44E-06	2.77E-05	7.97E-07	1.42E-04	3.77E-06	1.70E-05	4.08E-07
2961	437684.3	3724701	1.67E-04	4.19E-06	3.53E-05	9.76E-07	1.81E-04	4.61E-06	2.17E-05	5.00E-07
2962	437701.2	3724706	1.83E-04	4.52E-06	3.85E-05	1.05E-06	1.97E-04	4.95E-06	2.37E-05	5.36E-07
2963	437718.2	3724711	2.00E-04	4.89E-06	4.22E-05	1.13E-06	2.16E-04	5.33E-06	2.60E-05	5.76E-07
2964	437735.2	3724716	2.20E-04	5.29E-06	4.62E-05	1.21E-06	2.37E-04	5.74E-06	2.84E-05	6.19E-07

2965	437752.2	3724721	2.44E-04	5.81E-06	5.14E-05	1.32E-06	2.63E-04	6.26E-06	3.16E-05	6.73E-07
2966	437769.1	3724726	2.71E-04	6.38E-06	5.70E-05	1.44E-06	2.93E-04	6.82E-06	3.50E-05	7.32E-07
2967	437786.1	3724731	3.02E-04	7.01E-06	6.33E-05	1.57E-06	3.25E-04	7.44E-06	3.87E-05	7.96E-07
2968	437871	3724755	4.79E-04	1.08E-05	9.97E-05	2.33E-06	5.15E-04	1.10E-05	6.02E-05	1.16E-06
2969	437888	3724760	5.10E-04	1.15E-05	1.06E-04	2.47E-06	5.48E-04	1.17E-05	6.38E-05	1.22E-06
2970	437905	3724765	5.40E-04	1.22E-05	1.12E-04	2.60E-06	5.80E-04	1.23E-05	6.73E-05	1.29E-06
2971	437306.8	3724806	2.24E-04	4.63E-06	4.61E-05	9.28E-07	2.40E-04	4.37E-06	2.74E-05	4.45E-07
2972	437301.8	3724774	1.95E-04	4.12E-06	4.00E-05	8.31E-07	2.09E-04	3.92E-06	2.38E-05	4.00E-07
2973	437400.5	3724733	1.49E-04	3.36E-06	3.07E-05	6.94E-07	1.60E-04	3.27E-06	1.82E-05	3.38E-07
2974	437417	3724727	1.42E-04	3.27E-06	2.93E-05	6.81E-07	1.53E-04	3.21E-06	1.74E-05	3.33E-07
2975	437433.4	3724720	1.36E-04	3.18E-06	2.80E-05	6.70E-07	1.46E-04	3.16E-06	1.67E-05	3.29E-07
2976	437449.9	3724713	1.31E-04	3.11E-06	2.69E-05	6.62E-07	1.40E-04	3.12E-06	1.60E-05	3.27E-07
2977	437466.4	3724706	1.26E-04	3.05E-06	2.59E-05	6.57E-07	1.35E-04	3.10E-06	1.55E-05	3.26E-07
2978	437482.8	3724699	1.22E-04	3.00E-06	2.52E-05	6.55E-07	1.31E-04	3.09E-06	1.51E-05	3.27E-07
2979	437499.3	3724693	1.19E-04	2.97E-06	2.46E-05	6.56E-07	1.27E-04	3.10E-06	1.48E-05	3.29E-07
2980	437515.7	3724686	1.17E-04	2.95E-06	2.42E-05	6.59E-07	1.25E-04	3.12E-06	1.46E-05	3.32E-07
2981	437532.2	3724679	1.15E-04	2.95E-06	2.40E-05	6.65E-07	1.24E-04	3.14E-06	1.45E-05	3.37E-07
2982	437548.7	3724672	1.14E-04	2.96E-06	2.39E-05	6.73E-07	1.23E-04	3.18E-06	1.45E-05	3.42E-07
2983	437565.1	3724665	1.14E-04	2.98E-06	2.39E-05	6.83E-07	1.23E-04	3.23E-06	1.45E-05	3.48E-07
2984	437581.6	3724659	1.14E-04	3.01E-06	2.37E-05	6.94E-07	1.22E-04	3.28E-06	1.45E-05	3.54E-07
2985	437598	3724652	1.11E-04	2.98E-06	2.33E-05	6.90E-07	1.20E-04	3.26E-06	1.42E-05	3.53E-07
2986	437649	3724661	1.23E-04	3.26E-06	2.59E-05	7.63E-07	1.33E-04	3.61E-06	1.59E-05	3.92E-07
2987	437666.1	3724666	1.33E-04	3.47E-06	2.79E-05	8.12E-07	1.43E-04	3.84E-06	1.72E-05	4.17E-07
2988	437683.2	3724671	1.43E-04	3.70E-06	3.00E-05	8.63E-07	1.54E-04	4.08E-06	1.85E-05	4.43E-07
2989	437700.3	3724676	1.54E-04	3.93E-06	3.23E-05	9.16E-07	1.66E-04	4.33E-06	1.99E-05	4.70E-07
2990	437717.3	3724681	1.67E-04	4.23E-06	3.52E-05	9.82E-07	1.80E-04	4.64E-06	2.16E-05	5.03E-07
2991	437734.4	3724686	1.83E-04	4.58E-06	3.86E-05	1.06E-06	1.98E-04	5.00E-06	2.37E-05	5.41E-07
2992	437751.5	3724691	2.03E-04	5.01E-06	4.27E-05	1.15E-06	2.19E-04	5.44E-06	2.62E-05	5.87E-07
2993	437888.2	3724731	4.32E-04	9.98E-06	8.98E-05	2.17E-06	4.65E-04	1.02E-05	5.42E-05	1.08E-06
2994	437905.3	3724736	4.59E-04	1.06E-05	9.52E-05	2.28E-06	4.93E-04	1.08E-05	5.73E-05	1.13E-06
2995	437922.4	3724741	4.84E-04	1.12E-05	1.00E-04	2.40E-06	5.20E-04	1.13E-05	6.03E-05	1.19E-06
2996	437381.2	3724711	1.38E-04	3.12E-06	2.83E-05	6.43E-07	1.48E-04	3.03E-06	1.67E-05	3.13E-07
2997	437397.7	3724704	1.31E-04	3.02E-06	2.70E-05	6.29E-07	1.41E-04	2.97E-06	1.60E-05	3.07E-07
2998	437414.3	3724697	1.25E-04	2.94E-06	2.57E-05	6.16E-07	1.34E-04	2.91E-06	1.53E-05	3.02E-07
2999	437430.8	3724690	1.20E-04	2.86E-06	2.46E-05	6.07E-07	1.28E-04	2.86E-06	1.46E-05	2.99E-07
3000	437447.4	3724683	1.15E-04	2.80E-06	2.37E-05	6.00E-07	1.23E-04	2.83E-06	1.41E-05	2.97E-07
3001	437463.9	3724677	1.11E-04	2.74E-06	2.28E-05	5.96E-07	1.19E-04	2.81E-06	1.36E-05	2.97E-07
3002	437480.5	3724670	1.07E-04	2.70E-06	2.22E-05	5.94E-07	1.15E-04	2.80E-06	1.33E-05	2.97E-07
3003	437497.1	3724663	1.05E-04	2.68E-06	2.17E-05	5.94E-07	1.12E-04	2.81E-06	1.30E-05	2.99E-07
3004	437513.6	3724656	1.03E-04	2.66E-06	2.13E-05	5.97E-07	1.10E-04	2.82E-06	1.28E-05	3.02E-07
3005	437530.2	3724649	1.02E-04	2.66E-06	2.11E-05	6.02E-07	1.09E-04	2.85E-06	1.28E-05	3.05E-07
3006	437699.2	3724646	1.35E-04	3.54E-06	2.83E-05	8.27E-07	1.45E-04	3.91E-06	1.74E-05	4.25E-07
3007	437716.4	3724651	1.46E-04	3.80E-06	3.07E-05	8.85E-07	1.58E-04	4.19E-06	1.89E-05	4.54E-07
3008	437785.2	3724671	2.21E-04	5.44E-06	4.63E-05	1.24E-06	2.38E-04	5.86E-06	2.83E-05	6.30E-07
3009	437793.7	3724674	2.33E-04	5.72E-06	4.89E-05	1.30E-06	2.52E-04	6.13E-06	2.99E-05	6.58E-07
3010	437810.9	3724679	2.60E-04	6.29E-06	5.43E-05	1.42E-06	2.80E-04	6.69E-06	3.31E-05	7.16E-07
3011	437828.1	3724684	2.89E-04	6.94E-06	6.03E-05	1.55E-06	3.11E-04	7.32E-06	3.67E-05	7.81E-07
3012	437845.3	3724689	3.12E-04	7.43E-06	6.50E-05	1.65E-06	3.35E-04	7.80E-06	3.94E-05	8.30E-07
3013	437862.5	3724694	3.35E-04	7.94E-06	6.98E-05	1.75E-06	3.60E-04	8.28E-06	4.23E-05	8.80E-07
3014	437879.7	3724699	3.57E-04	8.45E-06	7.42E-05	1.85E-06	3.84E-04	8.76E-06	4.49E-05	9.28E-07
3015	437914.1	3724709	3.96E-04	9.35E-06	8.22E-05	2.03E-06	4.26E-04	9.60E-06	4.95E-05	1.01E-06
3016	437931.3	3724714	4.14E-04	9.76E-06	8.58E-05	2.12E-06	4.45E-04	9.99E-06	5.15E-05	1.05E-06
3017	437359.2	3724689	1.29E-04	2.93E-06	2.64E-05	6.04E-07	1.38E-04	2.85E-06	1.56E-05	2.94E-07
3018	437375.5	3724682	1.23E-04	2.84E-06	2.52E-05	5.89E-07	1.32E-04	2.78E-06	1.49E-05	2.87E-07
3019	437391.7	3724676	1.17E-04	2.75E-06	2.41E-05	5.75E-07	1.26E-04	2.71E-06	1.42E-05	2.82E-07
3020	437408	3724669	1.12E-04	2.67E-06	2.30E-05	5.64E-07	1.20E-04	2.66E-06	1.36E-05	2.77E-07

3021	437424.2	3724662	1.07E-04	2.60E-06	2.21E-05	5.55E-07	1.15E-04	2.62E-06	1.31E-05	2.74E-07
3022	437440.5	3724656	1.03E-04	2.55E-06	2.12E-05	5.48E-07	1.10E-04	2.59E-06	1.26E-05	2.72E-07
3023	437780.3	3724640	1.87E-04	4.73E-06	3.91E-05	1.08E-06	2.01E-04	5.13E-06	2.39E-05	5.53E-07
3024	437797.2	3724645	2.07E-04	5.19E-06	4.33E-05	1.18E-06	2.23E-04	5.59E-06	2.64E-05	6.01E-07
3025	437814	3724650	2.29E-04	5.69E-06	4.79E-05	1.29E-06	2.47E-04	6.08E-06	2.92E-05	6.52E-07
3026	437830.9	3724655	2.52E-04	6.19E-06	5.26E-05	1.39E-06	2.71E-04	6.58E-06	3.20E-05	7.04E-07
3027	437847.8	3724660	2.70E-04	6.60E-06	5.63E-05	1.48E-06	2.91E-04	6.97E-06	3.42E-05	7.44E-07
3028	437864.7	3724665	2.87E-04	6.99E-06	5.99E-05	1.55E-06	3.09E-04	7.34E-06	3.63E-05	7.83E-07
3029	437881.6	3724670	3.03E-04	7.34E-06	6.31E-05	1.63E-06	3.26E-04	7.68E-06	3.81E-05	8.17E-07
3030	437898.4	3724675	3.19E-04	7.71E-06	6.63E-05	1.70E-06	3.43E-04	8.04E-06	4.01E-05	8.53E-07
3031	437290.8	3724687	1.37E-04	3.07E-06	2.81E-05	6.28E-07	1.47E-04	2.96E-06	1.66E-05	3.05E-07
3032	437307.1	3724680	1.32E-04	2.97E-06	2.70E-05	6.07E-07	1.41E-04	2.86E-06	1.60E-05	2.95E-07
3033	437323.5	3724673	1.26E-04	2.86E-06	2.58E-05	5.88E-07	1.35E-04	2.77E-06	1.53E-05	2.85E-07
3034	437339.8	3724667	1.20E-04	2.76E-06	2.47E-05	5.69E-07	1.29E-04	2.68E-06	1.46E-05	2.77E-07
3035	437356.2	3724660	1.15E-04	2.67E-06	2.36E-05	5.53E-07	1.23E-04	2.61E-06	1.39E-05	2.70E-07
3036	437372.5	3724653	1.10E-04	2.58E-06	2.25E-05	5.39E-07	1.17E-04	2.54E-06	1.33E-05	2.64E-07
3037	437881.6	3724641	2.58E-04	6.41E-06	5.38E-05	1.43E-06	2.78E-04	6.76E-06	3.25E-05	7.22E-07
3038	437264.1	3724657	1.26E-04	2.87E-06	2.58E-05	5.91E-07	1.35E-04	2.79E-06	1.52E-05	2.87E-07
3039	437280.5	3724650	1.21E-04	2.77E-06	2.48E-05	5.70E-07	1.30E-04	2.69E-06	1.46E-05	2.77E-07
3040	437296.8	3724644	1.16E-04	2.67E-06	2.38E-05	5.50E-07	1.24E-04	2.59E-06	1.40E-05	2.68E-07
3041	437313.2	3724637	1.11E-04	2.57E-06	2.28E-05	5.32E-07	1.19E-04	2.51E-06	1.34E-05	2.59E-07
3042	437329.5	3724630	1.06E-04	2.48E-06	2.17E-05	5.15E-07	1.14E-04	2.43E-06	1.28E-05	2.52E-07
3043	437345.9	3724623	1.01E-04	2.40E-06	2.08E-05	5.01E-07	1.08E-04	2.36E-06	1.23E-05	2.45E-07
3044	437160.1	3724722	1.61E-04	3.79E-06	3.32E-05	8.00E-07	1.73E-04	3.78E-06	1.97E-05	3.94E-07
3045	437253.8	3724620	1.12E-04	2.60E-06	2.29E-05	5.38E-07	1.20E-04	2.54E-06	1.35E-05	2.62E-07
3046	437270.2	3724614	1.07E-04	2.51E-06	2.20E-05	5.19E-07	1.15E-04	2.45E-06	1.30E-05	2.53E-07
3047	437286.5	3724607	1.03E-04	2.42E-06	2.11E-05	5.02E-07	1.10E-04	2.37E-06	1.25E-05	2.45E-07
3048	437302.9	3724600	9.86E-05	2.33E-06	2.02E-05	4.85E-07	1.06E-04	2.29E-06	1.19E-05	2.37E-07
3049	437319.2	3724593	9.44E-05	2.25E-06	1.93E-05	4.70E-07	1.01E-04	2.22E-06	1.14E-05	2.30E-07
3050	437133.5	3724693	1.47E-04	3.54E-06	3.02E-05	7.52E-07	1.57E-04	3.55E-06	1.79E-05	3.71E-07
3051	437120.2	3724651	1.31E-04	3.19E-06	2.69E-05	6.79E-07	1.40E-04	3.20E-06	1.59E-05	3.35E-07
3052	437106.8	3724663	1.34E-04	3.31E-06	2.77E-05	7.10E-07	1.44E-04	3.35E-06	1.64E-05	3.51E-07
3053	437106.9	3724609	1.17E-04	2.89E-06	2.41E-05	6.17E-07	1.26E-04	2.91E-06	1.43E-05	3.05E-07
3054	437093.5	3724621	1.21E-04	3.01E-06	2.48E-05	6.45E-07	1.30E-04	3.04E-06	1.47E-05	3.19E-07
3055	437080.1	3724633	1.24E-04	3.12E-06	2.55E-05	6.73E-07	1.33E-04	3.18E-06	1.52E-05	3.34E-07
3056	437080.2	3724579	1.09E-04	2.74E-06	2.24E-05	5.88E-07	1.17E-04	2.78E-06	1.33E-05	2.92E-07
3057	437066.9	3724591	1.12E-04	2.85E-06	2.31E-05	6.14E-07	1.20E-04	2.90E-06	1.37E-05	3.05E-07
3058	437053.5	3724603	1.15E-04	2.95E-06	2.37E-05	6.40E-07	1.24E-04	3.02E-06	1.41E-05	3.19E-07
3059	437000.2	3724544	1.01E-04	2.67E-06	2.08E-05	5.85E-07	1.08E-04	2.76E-06	1.23E-05	2.92E-07
3060	436986.9	3724502	9.33E-05	2.48E-06	1.92E-05	5.42E-07	9.99E-05	2.56E-06	1.14E-05	2.71E-07
3061	436973.5	3724514	9.56E-05	2.56E-06	1.97E-05	5.63E-07	1.02E-04	2.66E-06	1.17E-05	2.82E-07
3062	436986.9	3724448	8.36E-05	2.21E-06	1.72E-05	4.83E-07	8.95E-05	2.28E-06	1.02E-05	2.41E-07
3063	436973.6	3724460	8.59E-05	2.29E-06	1.76E-05	5.02E-07	9.20E-05	2.37E-06	1.05E-05	2.51E-07
3064	436960.2	3724472	8.82E-05	2.37E-06	1.81E-05	5.22E-07	9.45E-05	2.46E-06	1.07E-05	2.61E-07
3065	436946.9	3724484	9.03E-05	2.45E-06	1.86E-05	5.42E-07	9.68E-05	2.56E-06	1.10E-05	2.72E-07
3066	436975.1	3724409	7.76E-05	2.07E-06	1.59E-05	4.52E-07	8.32E-05	2.13E-06	9.43E-06	2.26E-07
3067	436960.3	3724418	7.95E-05	2.13E-06	1.63E-05	4.68E-07	8.52E-05	2.21E-06	9.67E-06	2.34E-07
3068	436946.9	3724430	8.17E-05	2.21E-06	1.68E-05	4.86E-07	8.75E-05	2.29E-06	9.95E-06	2.43E-07
3069	436933.6	3724442	8.37E-05	2.28E-06	1.72E-05	5.03E-07	8.97E-05	2.38E-06	1.02E-05	2.53E-07
3070	436920.2	3724454	8.56E-05	2.35E-06	1.76E-05	5.21E-07	9.17E-05	2.46E-06	1.04E-05	2.62E-07
3071	437422	3725106	2.34E-03	2.34E-05	5.07E-04	4.54E-06	2.55E-03	2.14E-05	3.24E-04	2.14E-06
3072	437414.7	3725112	2.26E-03	2.36E-05	4.89E-04	4.61E-06	2.46E-03	2.17E-05	3.12E-04	2.18E-06
3073	437423.3	3725078	1.75E-03	1.98E-05	3.76E-04	3.80E-06	1.90E-03	1.79E-05	2.37E-04	1.79E-06
3074	437416	3725084	1.74E-03	2.00E-05	3.73E-04	3.87E-06	1.89E-03	1.82E-05	2.35E-04	1.82E-06
3075	437408.6	3725091	1.72E-03	2.03E-05	3.68E-04	3.94E-06	1.86E-03	1.85E-05	2.32E-04	1.86E-06
3076	437432	3725043	1.28E-03	1.63E-05	2.73E-04	3.13E-06	1.39E-03	1.47E-05	1.70E-04	1.47E-06

3077	437424.6	3725049	1.31E-03	1.67E-05	2.79E-04	3.20E-06	1.42E-03	1.50E-05	1.75E-04	1.50E-06
3078	437417.3	3725056	1.33E-03	1.70E-05	2.84E-04	3.26E-06	1.44E-03	1.54E-05	1.77E-04	1.53E-06
3079	437409.9	3725063	1.34E-03	1.73E-05	2.87E-04	3.33E-06	1.46E-03	1.57E-05	1.79E-04	1.57E-06
3080	437402.6	3725069	1.35E-03	1.75E-05	2.88E-04	3.40E-06	1.46E-03	1.60E-05	1.80E-04	1.60E-06
3081	437395.2	3725076	1.35E-03	1.78E-05	2.87E-04	3.47E-06	1.46E-03	1.63E-05	1.79E-04	1.64E-06
3082	437387.9	3725083	1.33E-03	1.80E-05	2.84E-04	3.54E-06	1.44E-03	1.67E-05	1.77E-04	1.68E-06
3083	437418.6	3725028	1.03E-03	1.44E-05	2.18E-04	2.76E-06	1.11E-03	1.30E-05	1.35E-04	1.30E-06
3084	437411.2	3725035	1.05E-03	1.47E-05	2.23E-04	2.83E-06	1.14E-03	1.33E-05	1.38E-04	1.33E-06
3085	437403.9	3725041	1.07E-03	1.50E-05	2.27E-04	2.89E-06	1.16E-03	1.36E-05	1.41E-04	1.36E-06
3086	437396.5	3725048	1.09E-03	1.53E-05	2.30E-04	2.95E-06	1.18E-03	1.39E-05	1.43E-04	1.39E-06
3087	437389.2	3725055	1.09E-03	1.55E-05	2.32E-04	3.02E-06	1.18E-03	1.42E-05	1.44E-04	1.43E-06
3088	437381.8	3725061	1.10E-03	1.58E-05	2.32E-04	3.09E-06	1.19E-03	1.45E-05	1.44E-04	1.46E-06
3089	437405.2	3725013	8.55E-04	1.28E-05	1.80E-04	2.47E-06	9.23E-04	1.16E-05	1.11E-04	1.16E-06
3090	437397.8	3725020	8.76E-04	1.31E-05	1.85E-04	2.53E-06	9.47E-04	1.19E-05	1.13E-04	1.19E-06
3091	437390.5	3725026	8.94E-04	1.34E-05	1.88E-04	2.59E-06	9.66E-04	1.22E-05	1.16E-04	1.22E-06
3092	437383.1	3725033	9.06E-04	1.36E-05	1.91E-04	2.65E-06	9.79E-04	1.25E-05	1.18E-04	1.25E-06
3093	437375.8	3725040	9.14E-04	1.39E-05	1.93E-04	2.71E-06	9.88E-04	1.28E-05	1.19E-04	1.29E-06
3094	437391.8	3724998	7.29E-04	1.15E-05	1.53E-04	2.23E-06	7.86E-04	1.05E-05	9.33E-05	1.05E-06
3095	437384.4	3725005	7.46E-04	1.18E-05	1.57E-04	2.28E-06	8.05E-04	1.07E-05	9.57E-05	1.08E-06
3096	437377.1	3725012	7.61E-04	1.20E-05	1.60E-04	2.34E-06	8.21E-04	1.10E-05	9.77E-05	1.10E-06
3097	437369.7	3725018	7.72E-04	1.23E-05	1.62E-04	2.40E-06	8.33E-04	1.13E-05	9.93E-05	1.14E-06
3098	437347.7	3725038	7.87E-04	1.30E-05	1.65E-04	2.59E-06	8.49E-04	1.22E-05	1.01E-04	1.24E-06
3099	437378.4	3724983	6.32E-04	1.04E-05	1.32E-04	2.02E-06	6.81E-04	9.53E-06	8.03E-05	9.55E-07
3100	437371	3724990	6.47E-04	1.07E-05	1.35E-04	2.08E-06	6.97E-04	9.78E-06	8.23E-05	9.82E-07
3101	437341.6	3725017	6.83E-04	1.16E-05	1.43E-04	2.31E-06	7.36E-04	1.09E-05	8.72E-05	1.10E-06
3102	437334.3	3725023	6.86E-04	1.19E-05	1.44E-04	2.38E-06	7.40E-04	1.12E-05	8.76E-05	1.14E-06
3103	437358.3	3724961	5.23E-04	9.12E-06	1.09E-04	1.78E-06	5.63E-04	8.39E-06	6.59E-05	8.44E-07
3104	437328.9	3724988	5.61E-04	1.00E-05	1.17E-04	1.99E-06	6.05E-04	9.39E-06	7.10E-05	9.53E-07
3105	437321.5	3724994	5.66E-04	1.02E-05	1.18E-04	2.05E-06	6.10E-04	9.66E-06	7.16E-05	9.83E-07
3106	437314.2	3725001	5.68E-04	1.04E-05	1.19E-04	2.11E-06	6.12E-04	9.93E-06	7.20E-05	1.01E-06
3107	437316.1	3724959	4.69E-04	8.69E-06	9.75E-05	1.74E-06	5.04E-04	8.18E-06	5.88E-05	8.32E-07
3108	437308.8	3724965	4.74E-04	8.89E-06	9.87E-05	1.79E-06	5.11E-04	8.42E-06	5.96E-05	8.59E-07
3109	437301.5	3724972	4.78E-04	9.08E-06	9.95E-05	1.84E-06	5.15E-04	8.66E-06	6.01E-05	8.86E-07
3110	437294.1	3724979	4.78E-04	9.27E-06	9.96E-05	1.89E-06	5.15E-04	8.90E-06	6.01E-05	9.14E-07
3111	437310.7	3724923	3.90E-04	7.44E-06	8.09E-05	1.48E-06	4.19E-04	6.99E-06	4.86E-05	7.10E-07
3112	437303.4	3724930	3.97E-04	7.62E-06	8.24E-05	1.53E-06	4.27E-04	7.20E-06	4.95E-05	7.33E-07
3113	437296	3724937	4.03E-04	7.80E-06	8.36E-05	1.57E-06	4.33E-04	7.41E-06	5.03E-05	7.57E-07
3114	437288.7	3724943	4.07E-04	7.98E-06	8.44E-05	1.62E-06	4.37E-04	7.62E-06	5.08E-05	7.81E-07
3115	437281.4	3724950	4.09E-04	8.15E-06	8.49E-05	1.66E-06	4.40E-04	7.84E-06	5.11E-05	8.06E-07
3116	437274	3724956	4.09E-04	8.26E-06	8.49E-05	1.70E-06	4.40E-04	8.00E-06	5.11E-05	8.24E-07
3117	437290.6	3724901	3.41E-04	6.74E-06	7.05E-05	1.36E-06	3.66E-04	6.40E-06	4.23E-05	6.53E-07
3118	437283.3	3724908	3.46E-04	6.91E-06	7.18E-05	1.40E-06	3.72E-04	6.58E-06	4.30E-05	6.73E-07
3119	437276	3724914	3.51E-04	7.07E-06	7.27E-05	1.44E-06	3.77E-04	6.78E-06	4.36E-05	6.95E-07
3120	437268.6	3724921	3.54E-04	7.22E-06	7.33E-05	1.48E-06	3.80E-04	6.97E-06	4.40E-05	7.17E-07
3121	437261.3	3724927	3.55E-04	7.33E-06	7.35E-05	1.51E-06	3.81E-04	7.11E-06	4.41E-05	7.32E-07
3122	437253.9	3724934	3.54E-04	7.40E-06	7.34E-05	1.53E-06	3.81E-04	7.22E-06	4.40E-05	7.46E-07
3123	437270.5	3724879	3.01E-04	6.16E-06	6.22E-05	1.25E-06	3.23E-04	5.90E-06	3.72E-05	6.04E-07
3124	437263.2	3724885	3.06E-04	6.31E-06	6.32E-05	1.29E-06	3.28E-04	6.07E-06	3.78E-05	6.23E-07
3125	437255.9	3724892	3.09E-04	6.45E-06	6.39E-05	1.32E-06	3.32E-04	6.24E-06	3.83E-05	6.43E-07
3126	437248.5	3724899	3.12E-04	6.60E-06	6.45E-05	1.36E-06	3.35E-04	6.42E-06	3.86E-05	6.63E-07
3127	437241.2	3724905	3.13E-04	6.67E-06	6.47E-05	1.38E-06	3.36E-04	6.52E-06	3.87E-05	6.75E-07
3128	437233.8	3724912	3.13E-04	6.75E-06	6.48E-05	1.41E-06	3.36E-04	6.64E-06	3.88E-05	6.88E-07
3129	437250.4	3724856	2.69E-04	5.67E-06	5.55E-05	1.16E-06	2.89E-04	5.48E-06	3.31E-05	5.63E-07
3130	437243.1	3724863	2.73E-04	5.80E-06	5.64E-05	1.19E-06	2.93E-04	5.63E-06	3.37E-05	5.81E-07
3131	437235.8	3724870	2.76E-04	5.94E-06	5.70E-05	1.23E-06	2.96E-04	5.79E-06	3.41E-05	5.99E-07
3132	437228.4	3724876	2.78E-04	6.06E-06	5.75E-05	1.26E-06	2.99E-04	5.94E-06	3.43E-05	6.15E-07

3133	437221.1	3724883	2.80E-04	6.15E-06	5.78E-05	1.29E-06	3.00E-04	6.07E-06	3.46E-05	6.30E-07
3134	437213.7	3724890	2.82E-04	6.27E-06	5.82E-05	1.32E-06	3.02E-04	6.22E-06	3.48E-05	6.47E-07
3135	437230.4	3724834	2.42E-04	5.25E-06	5.00E-05	1.08E-06	2.60E-04	5.12E-06	2.98E-05	5.28E-07
3136	437223	3724841	2.46E-04	5.38E-06	5.07E-05	1.12E-06	2.64E-04	5.26E-06	3.03E-05	5.44E-07
3137	437215.7	3724847	2.49E-04	5.50E-06	5.13E-05	1.15E-06	2.67E-04	5.41E-06	3.06E-05	5.61E-07
3138	437208.3	3724854	2.51E-04	5.62E-06	5.18E-05	1.18E-06	2.69E-04	5.56E-06	3.09E-05	5.78E-07
3139	437201	3724861	2.52E-04	5.71E-06	5.21E-05	1.20E-06	2.71E-04	5.67E-06	3.11E-05	5.91E-07
3140	437193.6	3724867	2.56E-04	5.86E-06	5.29E-05	1.24E-06	2.75E-04	5.87E-06	3.16E-05	6.13E-07
3141	437210.3	3724812	2.20E-04	4.89E-06	4.53E-05	1.02E-06	2.36E-04	4.80E-06	2.70E-05	4.98E-07
3142	437202.9	3724819	2.23E-04	5.01E-06	4.60E-05	1.05E-06	2.39E-04	4.94E-06	2.74E-05	5.13E-07
3143	437195.6	3724825	2.26E-04	5.12E-06	4.66E-05	1.08E-06	2.42E-04	5.08E-06	2.78E-05	5.28E-07
3144	437188.2	3724832	2.29E-04	5.24E-06	4.72E-05	1.11E-06	2.45E-04	5.22E-06	2.82E-05	5.44E-07
3145	437180.9	3724838	2.31E-04	5.35E-06	4.78E-05	1.14E-06	2.48E-04	5.36E-06	2.85E-05	5.60E-07
3146	437173.5	3724845	2.34E-04	5.47E-06	4.83E-05	1.17E-06	2.51E-04	5.51E-06	2.89E-05	5.77E-07
3147	437197.5	3724783	1.98E-04	4.48E-06	4.07E-05	9.34E-07	2.12E-04	4.41E-06	2.42E-05	4.57E-07
3148	437190.2	3724790	2.01E-04	4.58E-06	4.14E-05	9.60E-07	2.16E-04	4.53E-06	2.47E-05	4.71E-07
3149	437182.8	3724796	2.04E-04	4.69E-06	4.21E-05	9.87E-07	2.19E-04	4.66E-06	2.51E-05	4.85E-07
3150	437175.5	3724803	2.07E-04	4.79E-06	4.27E-05	1.01E-06	2.22E-04	4.78E-06	2.54E-05	4.99E-07
3151	437168.1	3724809	2.09E-04	4.90E-06	4.32E-05	1.04E-06	2.25E-04	4.91E-06	2.58E-05	5.14E-07
3152	437160.8	3724816	2.12E-04	5.00E-06	4.37E-05	1.07E-06	2.27E-04	5.04E-06	2.61E-05	5.28E-07
3153	437153.4	3724823	2.14E-04	5.11E-06	4.41E-05	1.10E-06	2.30E-04	5.18E-06	2.64E-05	5.44E-07
3154	437177.4	3724761	1.82E-04	4.21E-06	3.75E-05	8.85E-07	1.95E-04	4.18E-06	2.23E-05	4.35E-07
3155	437170.1	3724767	1.85E-04	4.31E-06	3.81E-05	9.10E-07	1.98E-04	4.29E-06	2.27E-05	4.47E-07
3156	437162.7	3724774	1.88E-04	4.41E-06	3.87E-05	9.34E-07	2.01E-04	4.41E-06	2.30E-05	4.60E-07
3157	437155.4	3724781	1.90E-04	4.50E-06	3.92E-05	9.58E-07	2.04E-04	4.52E-06	2.34E-05	4.73E-07
3158	437148	3724787	1.93E-04	4.60E-06	3.97E-05	9.83E-07	2.07E-04	4.64E-06	2.37E-05	4.86E-07
3159	437140.7	3724794	1.95E-04	4.69E-06	4.01E-05	1.01E-06	2.09E-04	4.76E-06	2.39E-05	5.00E-07
3160	437133.3	3724800	1.96E-04	4.79E-06	4.05E-05	1.03E-06	2.11E-04	4.88E-06	2.42E-05	5.14E-07
3161	437150.6	3724731	1.65E-04	3.91E-06	3.39E-05	8.28E-07	1.76E-04	3.91E-06	2.01E-05	4.08E-07
3162	437143.3	3724738	1.67E-04	3.99E-06	3.44E-05	8.49E-07	1.79E-04	4.01E-06	2.04E-05	4.19E-07
3163	437135.9	3724744	1.69E-04	4.08E-06	3.49E-05	8.71E-07	1.82E-04	4.11E-06	2.08E-05	4.31E-07
3164	437128.6	3724751	1.71E-04	4.16E-06	3.53E-05	8.93E-07	1.84E-04	4.21E-06	2.10E-05	4.42E-07
3165	437121.2	3724758	1.73E-04	4.25E-06	3.57E-05	9.15E-07	1.86E-04	4.32E-06	2.13E-05	4.54E-07
3166	437113.9	3724764	1.75E-04	4.33E-06	3.61E-05	9.37E-07	1.88E-04	4.42E-06	2.15E-05	4.66E-07
3167	437106.6	3724771	1.77E-04	4.42E-06	3.65E-05	9.60E-07	1.90E-04	4.53E-06	2.18E-05	4.78E-07
3168	437123.8	3724701	1.50E-04	3.64E-06	3.08E-05	7.77E-07	1.60E-04	3.67E-06	1.83E-05	3.84E-07
3169	437116.5	3724708	1.52E-04	3.72E-06	3.12E-05	7.96E-07	1.63E-04	3.76E-06	1.86E-05	3.94E-07
3170	437109.1	3724715	1.54E-04	3.79E-06	3.17E-05	8.15E-07	1.65E-04	3.85E-06	1.88E-05	4.05E-07
3171	437101.8	3724721	1.56E-04	3.87E-06	3.21E-05	8.36E-07	1.67E-04	3.95E-06	1.91E-05	4.15E-07
3172	437094.4	3724728	1.58E-04	3.95E-06	3.25E-05	8.56E-07	1.69E-04	4.04E-06	1.93E-05	4.26E-07
3173	437087.1	3724734	1.59E-04	4.03E-06	3.28E-05	8.77E-07	1.71E-04	4.14E-06	1.96E-05	4.37E-07
3174	437079.8	3724741	1.61E-04	4.11E-06	3.32E-05	8.97E-07	1.73E-04	4.24E-06	1.98E-05	4.48E-07
3175	437097	3724672	1.37E-04	3.41E-06	2.82E-05	7.33E-07	1.47E-04	3.46E-06	1.68E-05	3.63E-07
3176	437089.7	3724678	1.39E-04	3.48E-06	2.86E-05	7.51E-07	1.49E-04	3.54E-06	1.70E-05	3.73E-07
3177	437082.3	3724685	1.41E-04	3.55E-06	2.90E-05	7.69E-07	1.51E-04	3.63E-06	1.73E-05	3.83E-07
3178	437075	3724691	1.43E-04	3.62E-06	2.94E-05	7.87E-07	1.53E-04	3.72E-06	1.75E-05	3.92E-07
3179	437067.7	3724698	1.44E-04	3.70E-06	2.97E-05	8.06E-07	1.55E-04	3.80E-06	1.77E-05	4.02E-07
3180	437060.3	3724705	1.46E-04	3.77E-06	3.01E-05	8.25E-07	1.57E-04	3.90E-06	1.79E-05	4.12E-07
3181	437053	3724711	1.47E-04	3.84E-06	3.04E-05	8.43E-07	1.58E-04	3.98E-06	1.81E-05	4.22E-07
3182	437070.2	3724642	1.27E-04	3.21E-06	2.61E-05	6.95E-07	1.36E-04	3.28E-06	1.55E-05	3.46E-07
3183	437062.9	3724649	1.28E-04	3.28E-06	2.64E-05	7.11E-07	1.38E-04	3.36E-06	1.57E-05	3.54E-07
3184	437055.5	3724655	1.30E-04	3.34E-06	2.68E-05	7.28E-07	1.40E-04	3.44E-06	1.59E-05	3.63E-07
3185	437048.2	3724662	1.32E-04	3.41E-06	2.71E-05	7.45E-07	1.41E-04	3.52E-06	1.61E-05	3.72E-07
3186	437040.9	3724668	1.33E-04	3.48E-06	2.74E-05	7.62E-07	1.43E-04	3.60E-06	1.63E-05	3.81E-07
3187	437033.5	3724675	1.35E-04	3.54E-06	2.77E-05	7.79E-07	1.44E-04	3.68E-06	1.65E-05	3.90E-07
3188	437026.2	3724682	1.36E-04	3.61E-06	2.80E-05	7.96E-07	1.46E-04	3.76E-06	1.67E-05	4.00E-07

3189	437043.4	3724612	1.18E-04	3.04E-06	2.42E-05	6.61E-07	1.26E-04	3.12E-06	1.44E-05	3.29E-07
3190	437036.1	3724619	1.19E-04	3.10E-06	2.45E-05	6.76E-07	1.28E-04	3.19E-06	1.46E-05	3.38E-07
3191	437028.8	3724625	1.21E-04	3.16E-06	2.49E-05	6.91E-07	1.29E-04	3.26E-06	1.48E-05	3.46E-07
3192	437021.4	3724632	1.22E-04	3.22E-06	2.52E-05	7.07E-07	1.31E-04	3.34E-06	1.50E-05	3.54E-07
3193	437014.1	3724639	1.24E-04	3.28E-06	2.54E-05	7.22E-07	1.32E-04	3.41E-06	1.51E-05	3.62E-07
3194	437016.6	3724583	1.10E-04	2.88E-06	2.26E-05	6.29E-07	1.18E-04	2.97E-06	1.34E-05	3.15E-07
3195	437009.3	3724589	1.11E-04	2.93E-06	2.29E-05	6.43E-07	1.19E-04	3.04E-06	1.36E-05	3.22E-07
3196	437002	3724596	1.13E-04	2.99E-06	2.31E-05	6.57E-07	1.21E-04	3.10E-06	1.38E-05	3.29E-07
3197	436994.6	3724602	1.14E-04	3.04E-06	2.34E-05	6.71E-07	1.22E-04	3.17E-06	1.39E-05	3.37E-07
3198	436987.3	3724609	1.15E-04	3.10E-06	2.37E-05	6.85E-07	1.23E-04	3.24E-06	1.41E-05	3.44E-07
3199	436979.9	3724616	1.16E-04	3.15E-06	2.39E-05	6.99E-07	1.24E-04	3.30E-06	1.42E-05	3.51E-07
3200	436972.6	3724622	1.17E-04	3.20E-06	2.41E-05	7.13E-07	1.26E-04	3.37E-06	1.44E-05	3.59E-07
3201	436989.9	3724553	1.03E-04	2.74E-06	2.12E-05	6.02E-07	1.10E-04	2.84E-06	1.26E-05	3.02E-07
3202	436982.5	3724559	1.04E-04	2.79E-06	2.14E-05	6.15E-07	1.12E-04	2.90E-06	1.27E-05	3.08E-07
3203	436975.2	3724566	1.05E-04	2.84E-06	2.17E-05	6.27E-07	1.13E-04	2.96E-06	1.29E-05	3.15E-07
3204	436967.8	3724573	1.06E-04	2.89E-06	2.19E-05	6.40E-07	1.14E-04	3.02E-06	1.30E-05	3.21E-07
3205	436960.5	3724579	1.08E-04	2.93E-06	2.21E-05	6.52E-07	1.15E-04	3.08E-06	1.32E-05	3.28E-07
3206	436953.1	3724586	1.09E-04	2.98E-06	2.24E-05	6.65E-07	1.16E-04	3.14E-06	1.33E-05	3.35E-07
3207	436945.8	3724593	1.10E-04	3.03E-06	2.26E-05	6.77E-07	1.17E-04	3.20E-06	1.34E-05	3.42E-07
3208	436963.1	3724523	9.73E-05	2.63E-06	2.00E-05	5.80E-07	1.04E-04	2.74E-06	1.19E-05	2.91E-07
3209	436955.7	3724530	9.84E-05	2.67E-06	2.02E-05	5.91E-07	1.05E-04	2.79E-06	1.20E-05	2.97E-07
3210	436948.4	3724536	9.95E-05	2.72E-06	2.05E-05	6.03E-07	1.07E-04	2.85E-06	1.22E-05	3.03E-07
3211	436941	3724543	1.01E-04	2.76E-06	2.07E-05	6.15E-07	1.08E-04	2.90E-06	1.23E-05	3.10E-07
3212	436933.7	3724550	1.01E-04	2.81E-06	2.09E-05	6.26E-07	1.09E-04	2.96E-06	1.24E-05	3.15E-07
3213	436936.3	3724493	9.20E-05	2.52E-06	1.89E-05	5.58E-07	9.86E-05	2.63E-06	1.12E-05	2.80E-07
3214	436928.9	3724500	9.31E-05	2.56E-06	1.91E-05	5.69E-07	9.97E-05	2.69E-06	1.14E-05	2.86E-07
3215	436921.6	3724507	9.41E-05	2.60E-06	1.94E-05	5.80E-07	1.01E-04	2.74E-06	1.15E-05	2.92E-07
3216	436909.5	3724464	8.71E-05	2.41E-06	1.79E-05	5.36E-07	9.33E-05	2.53E-06	1.06E-05	2.70E-07
3217	436902.1	3724470	8.80E-05	2.45E-06	1.81E-05	5.46E-07	9.43E-05	2.58E-06	1.08E-05	2.75E-07

	Max Yr	**1**	T2	T2L3	T3	T4
	Row	**18**	2.96E-01	5.05E-02	2.68E-01	2.89E-02
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**21%**	**107%**	**12%**
			Year 1	Year 1	Year 1	Year 1
1	437487.6	3725277	4.43E-02	8.91E-03	4.48E-02	5.69E-03
2	437484.5	3725269	4.50E-02	9.15E-03	4.58E-02	5.87E-03
3	437503.2	3725300	4.93E-02	9.61E-03	4.88E-02	6.03E-03
4	437480.2	3725284	3.84E-02	7.68E-03	3.87E-02	4.89E-03
5	437474.3	3725267	3.89E-02	7.92E-03	3.97E-02	5.09E-03
6	437483.2	3725293	3.86E-02	7.66E-03	3.86E-02	4.85E-03
7	437495.8	3725307	4.36E-02	8.52E-03	4.32E-02	5.36E-03
8	437472.8	3725291	3.37E-02	6.72E-03	3.39E-02	4.27E-03
9	437467	3725275	3.34E-02	6.75E-03	3.39E-02	4.32E-03
10	437465.4	3725298	3.01E-02	5.98E-03	3.01E-02	3.79E-03
11	437459.7	3725282	2.92E-02	5.86E-03	2.95E-02	3.74E-03
12	437454	3725266	2.89E-02	5.88E-03	2.94E-02	3.77E-03
13	437474.6	3725313	3.30E-02	6.52E-03	3.29E-02	4.12E-03
14	437458	3725305	2.69E-02	5.33E-03	2.69E-02	3.38E-03
15	437452.4	3725289	2.55E-02	5.08E-03	2.56E-02	3.23E-03
16	437446.7	3725273	2.49E-02	5.02E-03	2.52E-02	3.20E-03
17	437441	3725257	2.47E-02	5.03E-03	2.52E-02	3.23E-03
18	437467.2	3725320	3.03E-02	5.99E-03	3.02E-02	3.79E-03
19	437473.5	3725327	3.28E-02	6.49E-03	3.27E-02	4.11E-03
20	437442.9	3725317	2.21E-02	4.37E-03	2.20E-02	2.77E-03
21	437439.9	3725309	2.09E-02	4.12E-03	2.08E-02	2.61E-03
22	437436.8	3725300	1.99E-02	3.93E-03	1.98E-02	2.48E-03
23	437433.7	3725292	1.93E-02	3.82E-03	1.93E-02	2.42E-03
24	437430.7	3725283	1.89E-02	3.74E-03	1.89E-02	2.37E-03
25	437427.6	3725274	1.85E-02	3.67E-03	1.85E-02	2.33E-03
26	437424.6	3725266	1.81E-02	3.61E-03	1.82E-02	2.30E-03
27	437446	3725326	2.35E-02	4.66E-03	2.35E-02	2.97E-03
28	437452.3	3725333	2.61E-02	5.19E-03	2.61E-02	3.31E-03
29	437458.6	3725340	2.90E-02	5.80E-03	2.91E-02	3.71E-03
30	437428.1	3725331	1.90E-02	3.77E-03	1.90E-02	2.40E-03
31	437422.2	3725314	1.67E-02	3.31E-03	1.67E-02	2.09E-03
32	437419.2	3725306	1.60E-02	3.15E-03	1.59E-02	1.99E-03
33	437431.1	3725339	2.06E-02	4.13E-03	2.07E-02	2.64E-03
34	437437.4	3725347	2.37E-02	4.79E-03	2.40E-02	3.08E-03
35	437443.7	3725354	2.77E-02	5.64E-03	2.81E-02	3.65E-03
36	437413.1	3725344	1.66E-02	3.32E-03	1.67E-02	2.13E-03
37	437409.9	3725335	1.53E-02	3.04E-03	1.53E-02	1.93E-03
38	437406.8	3725326	1.43E-02	2.83E-03	1.42E-02	1.79E-03
39	437416.2	3725353	1.85E-02	3.74E-03	1.87E-02	2.41E-03
40	437422.5	3725360	2.20E-02	4.50E-03	2.24E-02	2.93E-03
41	437359.4	3725228	8.07E-03	1.57E-03	7.98E-03	9.85E-04
42	437363.4	3725220	8.31E-03	1.62E-03	8.23E-03	1.02E-03
43	437410.7	3725121	1.15E-02	2.35E-03	1.18E-02	1.51E-03
44	437339.4	3725227	6.57E-03	1.27E-03	6.47E-03	7.95E-04
45	437347.1	3725211	6.87E-03	1.33E-03	6.77E-03	8.32E-04
46	437354.9	3725195	7.13E-03	1.39E-03	7.04E-03	8.67E-04

47	437397.4	3725106	8.64E-03	1.73E-03	8.71E-03	1.10E-03
48	437340.4	3725305	7.17E-03	1.40E-03	7.11E-03	8.85E-04
49	437337.3	3725296	6.94E-03	1.36E-03	6.87E-03	8.54E-04
50	437334.2	3725287	6.70E-03	1.31E-03	6.62E-03	8.21E-04
51	437331.1	3725278	6.48E-03	1.26E-03	6.39E-03	7.90E-04
52	437319.6	3725226	5.49E-03	1.06E-03	5.39E-03	6.60E-04
53	437323.6	3725218	5.58E-03	1.08E-03	5.48E-03	6.70E-04
54	437327.6	3725209	5.68E-03	1.09E-03	5.57E-03	6.82E-04
55	437331.6	3725201	5.76E-03	1.11E-03	5.66E-03	6.92E-04
56	437335.7	3725192	5.84E-03	1.13E-03	5.74E-03	7.02E-04
57	437339.7	3725184	5.91E-03	1.14E-03	5.81E-03	7.11E-04
58	437338.3	3725354	7.93E-03	1.59E-03	7.95E-03	1.02E-03
59	437335.3	3725346	7.52E-03	1.50E-03	7.52E-03	9.55E-04
60	437332.2	3725337	7.15E-03	1.42E-03	7.14E-03	9.02E-04
61	437329.2	3725328	6.82E-03	1.35E-03	6.79E-03	8.55E-04
62	437326.1	3725320	6.56E-03	1.29E-03	6.51E-03	8.17E-04
63	437323.1	3725311	6.33E-03	1.24E-03	6.28E-03	7.86E-04
64	437320	3725303	6.13E-03	1.20E-03	6.07E-03	7.57E-04
65	437317	3725294	5.94E-03	1.16E-03	5.87E-03	7.30E-04
66	437313.9	3725285	5.74E-03	1.12E-03	5.67E-03	7.03E-04
67	437310.9	3725277	5.57E-03	1.08E-03	5.49E-03	6.79E-04
68	437299.5	3725225	4.73E-03	9.09E-04	4.63E-03	5.66E-04
69	437303.5	3725217	4.78E-03	9.19E-04	4.68E-03	5.72E-04
70	437307.4	3725208	4.84E-03	9.29E-04	4.74E-03	5.78E-04
71	437311.4	3725200	4.88E-03	9.37E-04	4.78E-03	5.82E-04
72	437315.3	3725192	4.92E-03	9.44E-04	4.82E-03	5.86E-04
73	437319.3	3725184	4.96E-03	9.53E-04	4.86E-03	5.91E-04
74	437346.9	3725126	5.66E-03	1.09E-03	5.57E-03	6.82E-04
75	437350.8	3725117	5.73E-03	1.11E-03	5.65E-03	6.93E-04
76	437354.8	3725109	5.80E-03	1.13E-03	5.73E-03	7.04E-04
77	437358.7	3725101	5.83E-03	1.14E-03	5.77E-03	7.11E-04
78	437320.7	3725360	7.09E-03	1.42E-03	7.12E-03	9.11E-04
79	437317.7	3725352	6.72E-03	1.34E-03	6.73E-03	8.57E-04
80	437314.7	3725343	6.42E-03	1.28E-03	6.42E-03	8.14E-04
81	437311.7	3725334	6.14E-03	1.21E-03	6.12E-03	7.73E-04
82	437308.7	3725326	5.86E-03	1.16E-03	5.83E-03	7.33E-04
83	437305.7	3725317	5.66E-03	1.11E-03	5.62E-03	7.05E-04
84	437302.7	3725309	5.47E-03	1.07E-03	5.42E-03	6.78E-04
85	437299.7	3725300	5.29E-03	1.03E-03	5.23E-03	6.52E-04
86	437296.7	3725292	5.12E-03	9.99E-04	5.06E-03	6.29E-04
87	437293.7	3725283	4.97E-03	9.68E-04	4.91E-03	6.08E-04
88	437290.7	3725275	4.84E-03	9.40E-04	4.77E-03	5.90E-04
89	437279.5	3725224	4.14E-03	7.95E-04	4.05E-03	4.95E-04
90	437287.3	3725208	4.22E-03	8.08E-04	4.12E-03	5.02E-04
91	437295	3725192	4.25E-03	8.14E-04	4.15E-03	5.04E-04
92	437298.9	3725183	4.27E-03	8.17E-04	4.17E-03	5.06E-04
93	437326.1	3725126	4.70E-03	9.01E-04	4.60E-03	5.58E-04
94	437333.9	3725110	4.86E-03	9.33E-04	4.76E-03	5.79E-04
95	437337.8	3725102	4.90E-03	9.42E-04	4.80E-03	5.85E-04
96	437345.6	3725086	4.92E-03	9.50E-04	4.84E-03	5.91E-04
97	437349.4	3725077	4.87E-03	9.40E-04	4.79E-03	5.85E-04
98	437299	3725354	6.11E-03	1.22E-03	6.12E-03	7.79E-04

99	437295.9	3725345	5.80E-03	1.15E-03	5.79E-03	7.34E-04
100	437292.8	3725337	5.50E-03	1.09E-03	5.48E-03	6.92E-04
101	437289.7	3725328	5.21E-03	1.03E-03	5.18E-03	6.52E-04
102	437286.6	3725319	5.03E-03	9.89E-04	4.99E-03	6.26E-04
103	437283.5	3725310	4.87E-03	9.56E-04	4.83E-03	6.04E-04
104	437280.4	3725301	4.72E-03	9.23E-04	4.67E-03	5.82E-04
105	437277.3	3725293	4.57E-03	8.92E-04	4.52E-03	5.61E-04
106	437274.2	3725284	4.44E-03	8.63E-04	4.38E-03	5.43E-04
107	437271.1	3725275	4.30E-03	8.34E-04	4.23E-03	5.23E-04
108	437259.6	3725223	3.67E-03	7.05E-04	3.59E-03	4.39E-04
109	437263.6	3725214	3.71E-03	7.11E-04	3.62E-03	4.42E-04
110	437267.6	3725206	3.74E-03	7.17E-04	3.66E-03	4.45E-04
111	437271.7	3725198	3.74E-03	7.14E-04	3.65E-03	4.43E-04
112	437275.7	3725189	3.74E-03	7.13E-04	3.64E-03	4.42E-04
113	437279.7	3725181	3.74E-03	7.13E-04	3.64E-03	4.41E-04
114	437307.7	3725122	4.04E-03	7.69E-04	3.93E-03	4.75E-04
115	437311.7	3725114	4.10E-03	7.81E-04	4.00E-03	4.82E-04
116	437315.7	3725105	4.14E-03	7.90E-04	4.04E-03	4.88E-04
117	437319.7	3725097	4.18E-03	7.98E-04	4.08E-03	4.93E-04
118	437323.7	3725088	4.21E-03	8.04E-04	4.11E-03	4.97E-04
119	437327.7	3725080	4.22E-03	8.07E-04	4.12E-03	4.99E-04
120	437331.7	3725072	4.22E-03	8.08E-04	4.13E-03	5.00E-04
121	437335.7	3725063	4.18E-03	8.00E-04	4.09E-03	4.96E-04
122	437339.7	3725055	4.12E-03	7.88E-04	4.02E-03	4.87E-04
123	437343.7	3725046	4.03E-03	7.71E-04	3.94E-03	4.77E-04
124	437309	3725438	9.16E-03	1.89E-03	9.38E-03	1.24E-03
125	437305.9	3725429	8.60E-03	1.77E-03	8.78E-03	1.15E-03
126	437302.9	3725420	8.09E-03	1.66E-03	8.24E-03	1.08E-03
127	437299.8	3725412	7.62E-03	1.55E-03	7.74E-03	1.01E-03
128	437296.7	3725403	7.19E-03	1.46E-03	7.28E-03	9.45E-04
129	437278.4	3725351	5.36E-03	1.07E-03	5.36E-03	6.79E-04
130	437275.4	3725343	5.12E-03	1.01E-03	5.10E-03	6.45E-04
131	437272.3	3725334	4.90E-03	9.67E-04	4.88E-03	6.14E-04
132	437269.3	3725325	4.71E-03	9.27E-04	4.68E-03	5.88E-04
133	437266.2	3725317	4.56E-03	8.94E-04	4.52E-03	5.66E-04
134	437263.2	3725308	4.40E-03	8.62E-04	4.36E-03	5.44E-04
135	437250.9	3725273	3.83E-03	7.43E-04	3.77E-03	4.66E-04
136	437239.6	3725222	3.27E-03	6.28E-04	3.20E-03	3.91E-04
137	437243.6	3725214	3.30E-03	6.32E-04	3.22E-03	3.93E-04
138	437247.5	3725205	3.33E-03	6.37E-04	3.25E-03	3.95E-04
139	437251.5	3725197	3.33E-03	6.36E-04	3.25E-03	3.94E-04
140	437255.4	3725189	3.32E-03	6.34E-04	3.24E-03	3.92E-04
141	437259.3	3725181	3.31E-03	6.31E-04	3.22E-03	3.90E-04
142	437263.3	3725172	3.32E-03	6.31E-04	3.23E-03	3.90E-04
143	437294.8	3725106	3.57E-03	6.77E-04	3.47E-03	4.17E-04
144	437298.8	3725098	3.60E-03	6.82E-04	3.50E-03	4.20E-04
145	437302.7	3725089	3.62E-03	6.87E-04	3.52E-03	4.23E-04
146	437306.7	3725081	3.65E-03	6.92E-04	3.55E-03	4.26E-04
147	437310.6	3725073	3.68E-03	6.98E-04	3.58E-03	4.30E-04
148	437314.6	3725065	3.68E-03	6.98E-04	3.57E-03	4.30E-04
149	437318.5	3725056	3.66E-03	6.96E-04	3.56E-03	4.29E-04
150	437322.5	3725048	3.63E-03	6.91E-04	3.54E-03	4.26E-04

151	437326.4	3725040	3.58E-03	6.80E-04	3.48E-03	4.19E-04
152	437330.4	3725031	3.51E-03	6.66E-04	3.41E-03	4.10E-04
153	437312	3725446	9.76E-03	2.03E-03	1.00E-02	1.33E-03
154	437318.3	3725453	1.08E-02	2.26E-03	1.11E-02	1.49E-03
155	437286.6	3725458	7.35E-03	1.50E-03	7.48E-03	9.80E-04
156	437283.5	3725449	7.03E-03	1.44E-03	7.15E-03	9.33E-04
157	437280.4	3725440	6.74E-03	1.37E-03	6.83E-03	8.89E-04
158	437277.2	3725431	6.46E-03	1.31E-03	6.54E-03	8.48E-04
159	437274.1	3725422	6.20E-03	1.25E-03	6.27E-03	8.10E-04
160	437271	3725414	5.96E-03	1.20E-03	6.01E-03	7.74E-04
161	437267.9	3725405	5.72E-03	1.15E-03	5.76E-03	7.40E-04
162	437227.5	3725290	3.59E-03	6.97E-04	3.53E-03	4.38E-04
163	437224.4	3725281	3.46E-03	6.71E-04	3.40E-03	4.21E-04
164	437221.3	3725273	3.34E-03	6.47E-04	3.29E-03	4.06E-04
165	437218.2	3725264	3.24E-03	6.26E-04	3.18E-03	3.92E-04
166	437209.7	3725220	2.86E-03	5.48E-04	2.79E-03	3.41E-04
167	437213.7	3725212	2.85E-03	5.47E-04	2.79E-03	3.40E-04
168	437217.8	3725203	2.86E-03	5.46E-04	2.79E-03	3.39E-04
169	437221.8	3725195	2.86E-03	5.46E-04	2.79E-03	3.39E-04
170	437225.8	3725186	2.86E-03	5.46E-04	2.79E-03	3.38E-04
171	437229.8	3725178	2.86E-03	5.45E-04	2.79E-03	3.37E-04
172	437278	3725077	2.98E-03	5.62E-04	2.88E-03	3.44E-04
173	437282.1	3725068	3.00E-03	5.65E-04	2.90E-03	3.47E-04
174	437286.1	3725060	3.01E-03	5.68E-04	2.92E-03	3.48E-04
175	437290.1	3725052	3.02E-03	5.70E-04	2.92E-03	3.49E-04
176	437294.1	3725043	3.03E-03	5.70E-04	2.93E-03	3.49E-04
177	437298.1	3725035	3.02E-03	5.69E-04	2.92E-03	3.48E-04
178	437302.1	3725026	2.99E-03	5.63E-04	2.89E-03	3.45E-04
179	437306.2	3725018	2.95E-03	5.55E-04	2.85E-03	3.40E-04
180	437310.2	3725009	2.90E-03	5.46E-04	2.81E-03	3.35E-04
181	437289.7	3725466	7.67E-03	1.58E-03	7.83E-03	1.03E-03
182	437296	3725473	8.27E-03	1.71E-03	8.46E-03	1.12E-03
183	437302.3	3725480	8.89E-03	1.84E-03	9.12E-03	1.21E-03
184	437264.3	3725478	6.05E-03	1.23E-03	6.13E-03	7.96E-04
185	437261.3	3725469	5.87E-03	1.19E-03	5.93E-03	7.69E-04
186	437258.2	3725461	5.68E-03	1.15E-03	5.74E-03	7.42E-04
187	437255.2	3725452	5.50E-03	1.11E-03	5.55E-03	7.16E-04
188	437252.1	3725443	5.33E-03	1.07E-03	5.36E-03	6.91E-04
189	437249	3725435	5.16E-03	1.04E-03	5.19E-03	6.66E-04
190	437246	3725426	5.00E-03	1.00E-03	5.02E-03	6.43E-04
191	437242.9	3725417	4.84E-03	9.68E-04	4.85E-03	6.20E-04
192	437239.9	3725409	4.69E-03	9.35E-04	4.69E-03	5.98E-04
193	437236.8	3725400	4.54E-03	9.04E-04	4.54E-03	5.78E-04
194	437215.5	3725339	3.67E-03	7.20E-04	3.64E-03	4.55E-04
195	437212.4	3725331	3.56E-03	6.98E-04	3.53E-03	4.41E-04
196	437209.3	3725322	3.46E-03	6.77E-04	3.42E-03	4.27E-04
197	437206.3	3725313	3.37E-03	6.56E-04	3.32E-03	4.13E-04
198	437203.2	3725305	3.27E-03	6.37E-04	3.23E-03	4.01E-04
199	437200.2	3725296	3.18E-03	6.19E-04	3.14E-03	3.89E-04
200	437197.1	3725288	3.10E-03	6.01E-04	3.05E-03	3.77E-04
201	437194.1	3725279	3.01E-03	5.83E-04	2.96E-03	3.65E-04
202	437191	3725270	2.93E-03	5.66E-04	2.88E-03	3.55E-04

203	437188	3725262	2.85E-03	5.50E-04	2.80E-03	3.44E-04
204	437179.7	3725219	2.57E-03	4.91E-04	2.50E-03	3.05E-04
205	437183.6	3725210	2.57E-03	4.90E-04	2.50E-03	3.05E-04
206	437187.6	3725202	2.56E-03	4.88E-04	2.49E-03	3.03E-04
207	437191.5	3725194	2.56E-03	4.88E-04	2.49E-03	3.03E-04
208	437195.5	3725186	2.56E-03	4.88E-04	2.49E-03	3.02E-04
209	437199.4	3725177	2.57E-03	4.88E-04	2.50E-03	3.02E-04
210	437258.6	3725053	2.52E-03	4.73E-04	2.43E-03	2.89E-04
211	437262.5	3725045	2.53E-03	4.73E-04	2.43E-03	2.89E-04
212	437266.5	3725037	2.53E-03	4.74E-04	2.44E-03	2.90E-04
213	437270.4	3725028	2.53E-03	4.74E-04	2.44E-03	2.89E-04
214	437274.4	3725020	2.52E-03	4.72E-04	2.43E-03	2.88E-04
215	437278.3	3725012	2.51E-03	4.69E-04	2.41E-03	2.86E-04
216	437282.3	3725003	2.49E-03	4.66E-04	2.40E-03	2.84E-04
217	437286.2	3724995	2.47E-03	4.61E-04	2.37E-03	2.81E-04
218	437290.2	3724987	2.43E-03	4.55E-04	2.34E-03	2.77E-04
219	437235.7	3725480	4.70E-03	9.44E-04	4.73E-03	6.07E-04
220	437232.6	3725471	4.59E-03	9.20E-04	4.61E-03	5.91E-04
221	437229.5	3725463	4.47E-03	8.95E-04	4.49E-03	5.74E-04
222	437226.4	3725454	4.36E-03	8.71E-04	4.37E-03	5.58E-04
223	437223.3	3725445	4.25E-03	8.48E-04	4.25E-03	5.42E-04
224	437220.2	3725436	4.14E-03	8.24E-04	4.14E-03	5.27E-04
225	437217.1	3725427	4.03E-03	8.01E-04	4.02E-03	5.11E-04
226	437214	3725419	3.92E-03	7.79E-04	3.92E-03	4.96E-04
227	437210.9	3725410	3.82E-03	7.57E-04	3.81E-03	4.82E-04
228	437207.8	3725401	3.72E-03	7.36E-04	3.70E-03	4.68E-04
229	437189.2	3725348	3.18E-03	6.22E-04	3.15E-03	3.93E-04
230	437186.1	3725340	3.10E-03	6.06E-04	3.07E-03	3.82E-04
231	437183	3725331	3.03E-03	5.90E-04	2.99E-03	3.72E-04
232	437164.4	3725278	2.61E-03	5.05E-04	2.56E-03	3.16E-04
233	437161.3	3725269	2.55E-03	4.92E-04	2.50E-03	3.07E-04
234	437158.2	3725261	2.48E-03	4.79E-04	2.43E-03	2.99E-04
235	437149.8	3725217	2.27E-03	4.34E-04	2.21E-03	2.70E-04
236	437153.8	3725209	2.28E-03	4.35E-04	2.22E-03	2.70E-04
237	437157.8	3725200	2.29E-03	4.37E-04	2.23E-03	2.71E-04
238	437161.8	3725192	2.30E-03	4.38E-04	2.24E-03	2.71E-04
239	437165.8	3725183	2.31E-03	4.39E-04	2.24E-03	2.72E-04
240	437169.8	3725175	2.31E-03	4.40E-04	2.25E-03	2.72E-04
241	437209.9	3725091	2.25E-03	4.23E-04	2.17E-03	2.59E-04
242	437242	3725024	2.20E-03	4.11E-04	2.11E-03	2.50E-04
243	437246	3725015	2.18E-03	4.08E-04	2.10E-03	2.48E-04
244	437250	3725007	2.17E-03	4.04E-04	2.08E-03	2.46E-04
245	437254	3724998	2.15E-03	4.00E-04	2.06E-03	2.44E-04
246	437258	3724990	2.13E-03	3.96E-04	2.04E-03	2.41E-04
247	437262	3724982	2.11E-03	3.93E-04	2.02E-03	2.39E-04
248	437266	3724973	2.09E-03	3.89E-04	2.00E-03	2.36E-04
249	437270	3724965	2.07E-03	3.84E-04	1.98E-03	2.34E-04
250	437203.9	3725473	3.70E-03	7.36E-04	3.70E-03	4.69E-04
251	437200.7	3725464	3.62E-03	7.19E-04	3.62E-03	4.59E-04
252	437197.6	3725455	3.55E-03	7.03E-04	3.53E-03	4.48E-04
253	437194.4	3725446	3.47E-03	6.86E-04	3.45E-03	4.37E-04
254	437191.3	3725438	3.39E-03	6.70E-04	3.38E-03	4.26E-04

255	437188.1	3725429	3.32E-03	6.55E-04	3.30E-03	4.16E-04
256	437185	3725420	3.24E-03	6.39E-04	3.22E-03	4.06E-04
257	437181.9	3725411	3.17E-03	6.24E-04	3.15E-03	3.96E-04
258	437178.7	3725402	3.10E-03	6.09E-04	3.07E-03	3.86E-04
259	437175.6	3725393	3.03E-03	5.95E-04	3.00E-03	3.76E-04
260	437153.6	3725331	2.59E-03	5.03E-04	2.55E-03	3.16E-04
261	437150.4	3725322	2.53E-03	4.91E-04	2.49E-03	3.08E-04
262	437147.3	3725313	2.48E-03	4.80E-04	2.43E-03	3.01E-04
263	437144.1	3725304	2.42E-03	4.69E-04	2.38E-03	2.94E-04
264	437141	3725295	2.37E-03	4.59E-04	2.33E-03	2.87E-04
265	437137.8	3725286	2.32E-03	4.48E-04	2.28E-03	2.80E-04
266	437134.7	3725277	2.27E-03	4.37E-04	2.22E-03	2.73E-04
267	437131.6	3725268	2.22E-03	4.27E-04	2.17E-03	2.67E-04
268	437128.4	3725259	2.17E-03	4.17E-04	2.12E-03	2.60E-04
269	437119	3725233	2.03E-03	3.88E-04	1.98E-03	2.42E-04
270	437119.9	3725215	2.00E-03	3.82E-04	1.95E-03	2.37E-04
271	437124	3725207	2.01E-03	3.84E-04	1.96E-03	2.39E-04
272	437128	3725198	2.02E-03	3.87E-04	1.97E-03	2.40E-04
273	437132.1	3725190	2.04E-03	3.89E-04	1.98E-03	2.41E-04
274	437136.1	3725181	2.05E-03	3.90E-04	1.99E-03	2.42E-04
275	437164.6	3725122	2.09E-03	3.94E-04	2.02E-03	2.42E-04
276	437168.6	3725113	2.09E-03	3.94E-04	2.02E-03	2.42E-04
277	437172.7	3725105	2.09E-03	3.94E-04	2.02E-03	2.42E-04
278	437176.8	3725096	2.09E-03	3.92E-04	2.01E-03	2.41E-04
279	437180.8	3725088	2.08E-03	3.91E-04	2.01E-03	2.39E-04
280	437184.9	3725079	2.07E-03	3.89E-04	2.00E-03	2.38E-04
281	437188.9	3725070	2.06E-03	3.86E-04	1.99E-03	2.36E-04
282	437193	3725062	2.05E-03	3.84E-04	1.97E-03	2.35E-04
283	437225.5	3724994	1.92E-03	3.58E-04	1.84E-03	2.17E-04
284	437229.6	3724985	1.90E-03	3.53E-04	1.82E-03	2.14E-04
285	437233.6	3724977	1.88E-03	3.49E-04	1.80E-03	2.12E-04
286	437237.7	3724968	1.86E-03	3.45E-04	1.78E-03	2.10E-04
287	437241.7	3724960	1.84E-03	3.41E-04	1.76E-03	2.07E-04
288	437245.8	3724951	1.82E-03	3.37E-04	1.74E-03	2.05E-04
289	437249.9	3724943	1.80E-03	3.33E-04	1.72E-03	2.02E-04
290	437175.6	3725476	3.05E-03	6.00E-04	3.03E-03	3.81E-04
291	437172.5	3725468	3.00E-03	5.90E-04	2.98E-03	3.74E-04
292	437169.4	3725459	2.95E-03	5.80E-04	2.93E-03	3.68E-04
293	437166.3	3725450	2.90E-03	5.70E-04	2.87E-03	3.61E-04
294	437163.3	3725441	2.85E-03	5.60E-04	2.83E-03	3.54E-04
295	437160.2	3725433	2.80E-03	5.50E-04	2.78E-03	3.48E-04
296	437157.1	3725424	2.75E-03	5.39E-04	2.72E-03	3.41E-04
297	437154	3725415	2.70E-03	5.28E-04	2.67E-03	3.34E-04
298	437150.9	3725406	2.65E-03	5.18E-04	2.62E-03	3.27E-04
299	437147.8	3725398	2.60E-03	5.07E-04	2.57E-03	3.20E-04
300	437135.4	3725363	2.41E-03	4.68E-04	2.37E-03	2.94E-04
301	437132.3	3725354	2.36E-03	4.58E-04	2.32E-03	2.88E-04
302	437129.2	3725345	2.31E-03	4.48E-04	2.27E-03	2.81E-04
303	437126.1	3725336	2.26E-03	4.39E-04	2.23E-03	2.75E-04
304	437123	3725327	2.22E-03	4.29E-04	2.18E-03	2.69E-04
305	437119.9	3725319	2.18E-03	4.21E-04	2.14E-03	2.63E-04
306	437116.8	3725310	2.14E-03	4.12E-04	2.09E-03	2.58E-04

307	437113.7	3725301	2.10E-03	4.04E-04	2.05E-03	2.53E-04
308	437110.6	3725292	2.06E-03	3.96E-04	2.01E-03	2.47E-04
309	437107.5	3725284	2.01E-03	3.88E-04	1.97E-03	2.42E-04
310	437101.4	3725266	1.94E-03	3.72E-04	1.89E-03	2.32E-04
311	437089	3725231	1.79E-03	3.42E-04	1.74E-03	2.13E-04
312	437089.9	3725214	1.77E-03	3.38E-04	1.72E-03	2.10E-04
313	437093.9	3725206	1.78E-03	3.40E-04	1.74E-03	2.11E-04
314	437097.9	3725197	1.80E-03	3.43E-04	1.75E-03	2.12E-04
315	437101.9	3725189	1.81E-03	3.45E-04	1.76E-03	2.14E-04
316	437105.9	3725180	1.82E-03	3.46E-04	1.77E-03	2.15E-04
317	437129.9	3725130	1.87E-03	3.54E-04	1.81E-03	2.18E-04
318	437133.9	3725122	1.88E-03	3.55E-04	1.82E-03	2.19E-04
319	437137.9	3725113	1.88E-03	3.56E-04	1.82E-03	2.19E-04
320	437141.9	3725105	1.89E-03	3.56E-04	1.83E-03	2.19E-04
321	437145.9	3725096	1.89E-03	3.57E-04	1.83E-03	2.19E-04
322	437149.9	3725088	1.90E-03	3.57E-04	1.83E-03	2.19E-04
323	437153.9	3725080	1.90E-03	3.57E-04	1.83E-03	2.19E-04
324	437157.9	3725071	1.90E-03	3.56E-04	1.83E-03	2.18E-04
325	437161.8	3725063	1.89E-03	3.55E-04	1.83E-03	2.18E-04
326	437165.8	3725054	1.89E-03	3.54E-04	1.82E-03	2.17E-04
327	437169.8	3725046	1.89E-03	3.53E-04	1.82E-03	2.16E-04
328	437173.8	3725038	1.88E-03	3.52E-04	1.81E-03	2.15E-04
329	437177.8	3725029	1.87E-03	3.50E-04	1.80E-03	2.13E-04
330	437213.8	3724954	1.68E-03	3.12E-04	1.61E-03	1.89E-04
331	437217.8	3724945	1.66E-03	3.07E-04	1.59E-03	1.86E-04
332	437221.8	3724937	1.63E-03	3.02E-04	1.56E-03	1.83E-04
333	437225.8	3724929	1.61E-03	2.98E-04	1.54E-03	1.80E-04
334	437229.8	3724920	1.59E-03	2.93E-04	1.51E-03	1.77E-04
335	437143.6	3725469	2.50E-03	4.89E-04	2.47E-03	3.09E-04
336	437140.5	3725460	2.47E-03	4.82E-04	2.44E-03	3.05E-04
337	437137.4	3725451	2.44E-03	4.76E-04	2.41E-03	3.00E-04
338	437134.2	3725442	2.41E-03	4.70E-04	2.38E-03	2.96E-04
339	437131.1	3725434	2.38E-03	4.64E-04	2.35E-03	2.92E-04
340	437128	3725425	2.35E-03	4.58E-04	2.32E-03	2.88E-04
341	437124.8	3725416	2.31E-03	4.50E-04	2.28E-03	2.83E-04
342	437121.7	3725407	2.27E-03	4.42E-04	2.24E-03	2.78E-04
343	437109.2	3725371	2.12E-03	4.11E-04	2.08E-03	2.58E-04
344	437106	3725363	2.08E-03	4.03E-04	2.05E-03	2.53E-04
345	437102.9	3725354	2.05E-03	3.96E-04	2.01E-03	2.48E-04
346	437081	3725292	1.80E-03	3.46E-04	1.76E-03	2.16E-04
347	437077.8	3725283	1.77E-03	3.40E-04	1.73E-03	2.12E-04
348	437074.7	3725274	1.74E-03	3.34E-04	1.70E-03	2.08E-04
349	437071.6	3725265	1.71E-03	3.27E-04	1.67E-03	2.04E-04
350	437062.2	3725238	1.62E-03	3.09E-04	1.58E-03	1.92E-04
351	437059.1	3725230	1.59E-03	3.04E-04	1.55E-03	1.89E-04
352	437060	3725212	1.58E-03	3.01E-04	1.53E-03	1.87E-04
353	437064	3725204	1.59E-03	3.03E-04	1.55E-03	1.88E-04
354	437068.1	3725195	1.60E-03	3.06E-04	1.56E-03	1.89E-04
355	437072.1	3725187	1.62E-03	3.08E-04	1.57E-03	1.90E-04
356	437076.2	3725178	1.63E-03	3.09E-04	1.58E-03	1.91E-04
357	437104.5	3725119	1.69E-03	3.18E-04	1.63E-03	1.96E-04
358	437108.5	3725110	1.69E-03	3.19E-04	1.64E-03	1.96E-04

359	437112.6	3725102	1.70E-03	3.20E-04	1.64E-03	1.97E-04
360	437116.6	3725093	1.70E-03	3.20E-04	1.64E-03	1.97E-04
361	437120.7	3725085	1.71E-03	3.21E-04	1.65E-03	1.97E-04
362	437124.7	3725076	1.71E-03	3.21E-04	1.65E-03	1.97E-04
363	437128.8	3725068	1.71E-03	3.21E-04	1.65E-03	1.97E-04
364	437132.8	3725059	1.71E-03	3.21E-04	1.65E-03	1.97E-04
365	437136.8	3725051	1.71E-03	3.21E-04	1.65E-03	1.96E-04
366	437140.9	3725042	1.71E-03	3.20E-04	1.65E-03	1.96E-04
367	437144.9	3725034	1.71E-03	3.20E-04	1.64E-03	1.95E-04
368	437149	3725025	1.70E-03	3.19E-04	1.64E-03	1.94E-04
369	437153	3725017	1.70E-03	3.17E-04	1.63E-03	1.94E-04
370	437157.1	3725008	1.69E-03	3.16E-04	1.62E-03	1.93E-04
371	437161.1	3725000	1.68E-03	3.14E-04	1.62E-03	1.91E-04
372	437197.5	3724924	1.50E-03	2.78E-04	1.44E-03	1.68E-04
373	437201.6	3724915	1.48E-03	2.73E-04	1.41E-03	1.65E-04
374	437205.6	3724907	1.46E-03	2.69E-04	1.39E-03	1.63E-04
375	437209.7	3724898	1.43E-03	2.64E-04	1.37E-03	1.60E-04
376	437115.6	3725473	2.15E-03	4.19E-04	2.12E-03	2.64E-04
377	437112.5	3725464	2.13E-03	4.14E-04	2.10E-03	2.60E-04
378	437109.4	3725455	2.10E-03	4.08E-04	2.07E-03	2.57E-04
379	437106.3	3725447	2.07E-03	4.03E-04	2.04E-03	2.53E-04
380	437103.2	3725438	2.05E-03	3.98E-04	2.02E-03	2.50E-04
381	437100.1	3725429	2.03E-03	3.94E-04	2.00E-03	2.47E-04
382	437097	3725420	2.01E-03	3.89E-04	1.97E-03	2.44E-04
383	437093.9	3725412	1.98E-03	3.83E-04	1.95E-03	2.40E-04
384	437081.6	3725377	1.87E-03	3.61E-04	1.83E-03	2.26E-04
385	437078.5	3725368	1.84E-03	3.54E-04	1.80E-03	2.22E-04
386	437075.4	3725359	1.81E-03	3.48E-04	1.77E-03	2.18E-04
387	437072.3	3725350	1.78E-03	3.43E-04	1.74E-03	2.14E-04
388	437069.2	3725342	1.75E-03	3.37E-04	1.72E-03	2.11E-04
389	437066.1	3725333	1.73E-03	3.32E-04	1.69E-03	2.07E-04
390	437063	3725324	1.70E-03	3.26E-04	1.66E-03	2.04E-04
391	437060	3725315	1.67E-03	3.21E-04	1.63E-03	2.00E-04
392	437056.9	3725307	1.65E-03	3.15E-04	1.61E-03	1.97E-04
393	437053.8	3725298	1.62E-03	3.10E-04	1.58E-03	1.93E-04
394	437050.7	3725289	1.59E-03	3.05E-04	1.55E-03	1.90E-04
395	437047.6	3725280	1.57E-03	3.00E-04	1.53E-03	1.87E-04
396	437044.5	3725272	1.54E-03	2.95E-04	1.50E-03	1.84E-04
397	437041.4	3725263	1.52E-03	2.90E-04	1.48E-03	1.80E-04
398	437032.1	3725237	1.45E-03	2.76E-04	1.41E-03	1.71E-04
399	437029.1	3725228	1.42E-03	2.71E-04	1.38E-03	1.68E-04
400	437030	3725211	1.41E-03	2.69E-04	1.37E-03	1.67E-04
401	437033.9	3725202	1.43E-03	2.71E-04	1.38E-03	1.68E-04
402	437037.9	3725194	1.44E-03	2.73E-04	1.40E-03	1.69E-04
403	437041.9	3725186	1.45E-03	2.75E-04	1.41E-03	1.70E-04
404	437045.9	3725177	1.46E-03	2.77E-04	1.41E-03	1.71E-04
405	437085.8	3725093	1.53E-03	2.89E-04	1.48E-03	1.78E-04
406	437089.8	3725085	1.54E-03	2.89E-04	1.48E-03	1.78E-04
407	437093.8	3725077	1.54E-03	2.90E-04	1.49E-03	1.78E-04
408	437097.8	3725068	1.55E-03	2.90E-04	1.49E-03	1.78E-04
409	437101.8	3725060	1.55E-03	2.91E-04	1.49E-03	1.78E-04
410	437105.8	3725052	1.55E-03	2.91E-04	1.49E-03	1.78E-04

411	437109.8	3725043	1.55E-03	2.90E-04	1.49E-03	1.78E-04
412	437113.8	3725035	1.55E-03	2.90E-04	1.49E-03	1.77E-04
413	437117.8	3725026	1.55E-03	2.90E-04	1.49E-03	1.77E-04
414	437121.8	3725018	1.55E-03	2.89E-04	1.49E-03	1.76E-04
415	437125.8	3725010	1.54E-03	2.88E-04	1.48E-03	1.76E-04
416	437129.8	3725001	1.54E-03	2.87E-04	1.48E-03	1.75E-04
417	437133.7	3724993	1.53E-03	2.86E-04	1.47E-03	1.74E-04
418	437137.7	3724985	1.53E-03	2.84E-04	1.46E-03	1.73E-04
419	437141.7	3724976	1.52E-03	2.82E-04	1.45E-03	1.72E-04
420	437145.7	3724968	1.51E-03	2.80E-04	1.44E-03	1.71E-04
421	437177.7	3724901	1.38E-03	2.54E-04	1.31E-03	1.54E-04
422	437181.7	3724892	1.35E-03	2.50E-04	1.29E-03	1.51E-04
423	437185.6	3724884	1.33E-03	2.45E-04	1.27E-03	1.48E-04
424	437189.6	3724876	1.30E-03	2.40E-04	1.24E-03	1.45E-04
425	437086.6	3725474	1.87E-03	3.62E-04	1.84E-03	2.27E-04
426	437083.5	3725465	1.85E-03	3.58E-04	1.82E-03	2.25E-04
427	437080.3	3725456	1.83E-03	3.55E-04	1.80E-03	2.22E-04
428	437077.2	3725447	1.81E-03	3.51E-04	1.78E-03	2.20E-04
429	437074.1	3725439	1.79E-03	3.46E-04	1.76E-03	2.17E-04
430	437071	3725430	1.77E-03	3.41E-04	1.73E-03	2.13E-04
431	437067.8	3725421	1.74E-03	3.36E-04	1.71E-03	2.10E-04
432	437064.7	3725412	1.72E-03	3.31E-04	1.68E-03	2.07E-04
433	437055.3	3725386	1.65E-03	3.18E-04	1.62E-03	1.98E-04
434	437052.2	3725377	1.63E-03	3.13E-04	1.59E-03	1.95E-04
435	437049.1	3725368	1.61E-03	3.09E-04	1.57E-03	1.93E-04
436	437046	3725359	1.59E-03	3.05E-04	1.55E-03	1.90E-04
437	437042.9	3725350	1.57E-03	3.00E-04	1.53E-03	1.87E-04
438	437039.7	3725341	1.55E-03	2.96E-04	1.51E-03	1.85E-04
439	437036.6	3725333	1.53E-03	2.92E-04	1.49E-03	1.82E-04
440	437024.1	3725297	1.45E-03	2.76E-04	1.41E-03	1.72E-04
441	437021	3725288	1.43E-03	2.72E-04	1.39E-03	1.69E-04
442	437017.9	3725279	1.41E-03	2.68E-04	1.37E-03	1.67E-04
443	437014.7	3725271	1.39E-03	2.64E-04	1.35E-03	1.64E-04
444	437011.6	3725262	1.36E-03	2.60E-04	1.33E-03	1.61E-04
445	437002.2	3725235	1.30E-03	2.48E-04	1.26E-03	1.53E-04
446	436999.1	3725226	1.28E-03	2.44E-04	1.25E-03	1.51E-04
447	437000	3725209	1.28E-03	2.43E-04	1.24E-03	1.50E-04
448	437004.1	3725201	1.29E-03	2.45E-04	1.25E-03	1.51E-04
449	437008.1	3725192	1.30E-03	2.46E-04	1.26E-03	1.52E-04
450	437012.1	3725184	1.31E-03	2.48E-04	1.27E-03	1.53E-04
451	437048.5	3725107	1.36E-03	2.56E-04	1.31E-03	1.58E-04
452	437052.5	3725099	1.37E-03	2.57E-04	1.32E-03	1.58E-04
453	437056.5	3725091	1.37E-03	2.58E-04	1.32E-03	1.58E-04
454	437060.6	3725082	1.38E-03	2.60E-04	1.33E-03	1.59E-04
455	437064.6	3725074	1.39E-03	2.61E-04	1.34E-03	1.60E-04
456	437068.6	3725065	1.40E-03	2.62E-04	1.35E-03	1.61E-04
457	437072.7	3725057	1.40E-03	2.63E-04	1.35E-03	1.61E-04
458	437076.7	3725048	1.41E-03	2.64E-04	1.35E-03	1.61E-04
459	437080.7	3725040	1.41E-03	2.64E-04	1.36E-03	1.62E-04
460	437084.8	3725031	1.41E-03	2.64E-04	1.36E-03	1.62E-04
461	437088.8	3725023	1.41E-03	2.64E-04	1.36E-03	1.61E-04
462	437092.8	3725014	1.41E-03	2.64E-04	1.36E-03	1.61E-04

463	437096.9	3725006	1.41E-03	2.63E-04	1.35E-03	1.61E-04
464	437100.9	3724997	1.41E-03	2.63E-04	1.35E-03	1.60E-04
465	437104.9	3724989	1.40E-03	2.62E-04	1.35E-03	1.59E-04
466	437109	3724980	1.40E-03	2.61E-04	1.34E-03	1.59E-04
467	437113	3724972	1.39E-03	2.59E-04	1.34E-03	1.58E-04
468	437117	3724964	1.39E-03	2.58E-04	1.33E-03	1.57E-04
469	437121.1	3724955	1.38E-03	2.56E-04	1.32E-03	1.56E-04
470	437125.1	3724947	1.37E-03	2.54E-04	1.31E-03	1.54E-04
471	437129.2	3724938	1.36E-03	2.52E-04	1.30E-03	1.53E-04
472	437161.4	3724870	1.23E-03	2.27E-04	1.17E-03	1.37E-04
473	437165.5	3724862	1.21E-03	2.23E-04	1.15E-03	1.35E-04
474	437169.5	3724853	1.19E-03	2.19E-04	1.13E-03	1.32E-04
475	437003.1	3725321	1.33E-03	2.55E-04	1.30E-03	1.58E-04
476	437000	3725312	1.32E-03	2.51E-04	1.28E-03	1.56E-04
477	436996.9	3725303	1.30E-03	2.48E-04	1.26E-03	1.54E-04
478	436993.8	3725295	1.28E-03	2.45E-04	1.25E-03	1.52E-04
479	436990.7	3725286	1.27E-03	2.42E-04	1.23E-03	1.50E-04
480	436987.6	3725277	1.25E-03	2.38E-04	1.22E-03	1.48E-04
481	436984.6	3725268	1.23E-03	2.35E-04	1.20E-03	1.45E-04
482	436972.2	3725233	1.17E-03	2.22E-04	1.13E-03	1.37E-04
483	436969.1	3725225	1.16E-03	2.20E-04	1.12E-03	1.36E-04
484	436970	3725208	1.16E-03	2.20E-04	1.13E-03	1.36E-04
485	436974	3725199	1.17E-03	2.22E-04	1.14E-03	1.37E-04
486	436978	3725191	1.18E-03	2.24E-04	1.14E-03	1.38E-04
487	436982	3725183	1.19E-03	2.25E-04	1.15E-03	1.39E-04
488	437009.9	3725124	1.22E-03	2.29E-04	1.18E-03	1.41E-04
489	437013.9	3725116	1.22E-03	2.29E-04	1.17E-03	1.41E-04
490	437017.9	3725107	1.22E-03	2.30E-04	1.18E-03	1.41E-04
491	437021.9	3725099	1.22E-03	2.30E-04	1.18E-03	1.41E-04
492	437025.9	3725090	1.23E-03	2.31E-04	1.18E-03	1.42E-04
493	437029.8	3725082	1.23E-03	2.32E-04	1.19E-03	1.42E-04
494	437033.8	3725074	1.24E-03	2.34E-04	1.20E-03	1.43E-04
495	437037.8	3725065	1.25E-03	2.35E-04	1.21E-03	1.44E-04
496	437041.8	3725057	1.26E-03	2.37E-04	1.22E-03	1.45E-04
497	437045.8	3725049	1.28E-03	2.39E-04	1.23E-03	1.46E-04
498	437049.8	3725040	1.28E-03	2.40E-04	1.23E-03	1.47E-04
499	437053.8	3725032	1.29E-03	2.41E-04	1.24E-03	1.47E-04
500	437057.7	3725024	1.29E-03	2.42E-04	1.24E-03	1.48E-04
501	437061.7	3725015	1.29E-03	2.42E-04	1.24E-03	1.48E-04
502	437065.7	3725007	1.30E-03	2.42E-04	1.24E-03	1.48E-04
503	437069.7	3724998	1.29E-03	2.41E-04	1.24E-03	1.47E-04
504	437073.7	3724990	1.29E-03	2.41E-04	1.24E-03	1.47E-04
505	437077.7	3724982	1.29E-03	2.40E-04	1.24E-03	1.46E-04
506	437081.7	3724973	1.29E-03	2.40E-04	1.23E-03	1.46E-04
507	437085.7	3724965	1.28E-03	2.38E-04	1.23E-03	1.45E-04
508	437089.6	3724957	1.28E-03	2.37E-04	1.22E-03	1.44E-04
509	437093.6	3724948	1.27E-03	2.36E-04	1.22E-03	1.44E-04
510	437097.6	3724940	1.26E-03	2.35E-04	1.21E-03	1.42E-04
511	437101.6	3724932	1.26E-03	2.33E-04	1.20E-03	1.41E-04
512	437105.6	3724923	1.25E-03	2.31E-04	1.19E-03	1.40E-04
513	437109.6	3724915	1.24E-03	2.29E-04	1.18E-03	1.39E-04
514	437137.5	3724856	1.14E-03	2.10E-04	1.09E-03	1.27E-04

515	437141.5	3724848	1.12E-03	2.07E-04	1.07E-03	1.25E-04
516	437145.5	3724839	1.11E-03	2.03E-04	1.05E-03	1.23E-04
517	437149.5	3724831	1.09E-03	2.00E-04	1.03E-03	1.21E-04
518	437032.7	3725488	1.48E-03	2.85E-04	1.45E-03	1.78E-04
519	437029.6	3725479	1.47E-03	2.82E-04	1.43E-03	1.76E-04
520	437026.5	3725470	1.45E-03	2.79E-04	1.42E-03	1.74E-04
521	437023.3	3725461	1.43E-03	2.75E-04	1.40E-03	1.71E-04
522	437020.2	3725453	1.41E-03	2.71E-04	1.38E-03	1.69E-04
523	437017.1	3725444	1.40E-03	2.68E-04	1.36E-03	1.67E-04
524	437014	3725435	1.38E-03	2.65E-04	1.35E-03	1.65E-04
525	437010.9	3725426	1.37E-03	2.62E-04	1.33E-03	1.63E-04
526	436998.4	3725391	1.31E-03	2.50E-04	1.27E-03	1.55E-04
527	436995.3	3725382	1.29E-03	2.47E-04	1.26E-03	1.53E-04
528	436992.2	3725373	1.28E-03	2.44E-04	1.24E-03	1.52E-04
529	436989.1	3725364	1.26E-03	2.41E-04	1.23E-03	1.50E-04
530	436985.9	3725356	1.25E-03	2.38E-04	1.21E-03	1.48E-04
531	436982.8	3725347	1.23E-03	2.36E-04	1.20E-03	1.46E-04
532	436979.7	3725338	1.22E-03	2.33E-04	1.19E-03	1.45E-04
533	436976.6	3725329	1.21E-03	2.30E-04	1.18E-03	1.43E-04
534	436973.5	3725320	1.20E-03	2.28E-04	1.16E-03	1.41E-04
535	436970.4	3725311	1.18E-03	2.25E-04	1.15E-03	1.39E-04
536	436967.2	3725303	1.17E-03	2.22E-04	1.13E-03	1.38E-04
537	436964.1	3725294	1.15E-03	2.19E-04	1.12E-03	1.36E-04
538	436961	3725285	1.13E-03	2.16E-04	1.10E-03	1.34E-04
539	436957.9	3725276	1.12E-03	2.12E-04	1.09E-03	1.31E-04
540	436954.8	3725267	1.10E-03	2.09E-04	1.07E-03	1.29E-04
541	436945.4	3725241	1.07E-03	2.02E-04	1.03E-03	1.25E-04
542	436942.3	3725232	1.05E-03	2.00E-04	1.02E-03	1.24E-04
543	436939.2	3725223	1.04E-03	1.98E-04	1.01E-03	1.22E-04
544	436940.1	3725206	1.05E-03	1.99E-04	1.02E-03	1.23E-04
545	436944.1	3725198	1.06E-03	2.01E-04	1.03E-03	1.24E-04
546	436948.2	3725189	1.08E-03	2.04E-04	1.04E-03	1.26E-04
547	436952.2	3725181	1.09E-03	2.06E-04	1.05E-03	1.27E-04
548	436988.4	3725105	1.12E-03	2.10E-04	1.08E-03	1.29E-04
549	436992.4	3725096	1.12E-03	2.10E-04	1.08E-03	1.29E-04
550	436996.5	3725088	1.12E-03	2.11E-04	1.08E-03	1.29E-04
551	437000.5	3725079	1.13E-03	2.11E-04	1.08E-03	1.30E-04
552	437004.5	3725071	1.13E-03	2.12E-04	1.09E-03	1.30E-04
553	437008.5	3725062	1.14E-03	2.14E-04	1.10E-03	1.31E-04
554	437012.6	3725054	1.15E-03	2.15E-04	1.10E-03	1.32E-04
555	437016.6	3725045	1.16E-03	2.17E-04	1.12E-03	1.33E-04
556	437020.6	3725037	1.17E-03	2.19E-04	1.13E-03	1.34E-04
557	437024.7	3725029	1.18E-03	2.21E-04	1.14E-03	1.35E-04
558	437028.7	3725020	1.19E-03	2.21E-04	1.14E-03	1.35E-04
559	437032.7	3725012	1.19E-03	2.22E-04	1.14E-03	1.35E-04
560	437036.7	3725003	1.19E-03	2.22E-04	1.14E-03	1.35E-04
561	437040.8	3724995	1.19E-03	2.21E-04	1.14E-03	1.35E-04
562	437044.8	3724986	1.19E-03	2.21E-04	1.14E-03	1.35E-04
563	437048.8	3724978	1.18E-03	2.20E-04	1.13E-03	1.34E-04
564	437052.8	3724969	1.18E-03	2.20E-04	1.13E-03	1.34E-04
565	437056.9	3724961	1.18E-03	2.19E-04	1.13E-03	1.33E-04
566	437060.9	3724953	1.18E-03	2.19E-04	1.13E-03	1.33E-04

567	437064.9	3724944	1.17E-03	2.18E-04	1.12E-03	1.32E-04
568	437068.9	3724936	1.17E-03	2.17E-04	1.12E-03	1.32E-04
569	437073	3724927	1.17E-03	2.16E-04	1.11E-03	1.31E-04
570	437077	3724919	1.16E-03	2.15E-04	1.11E-03	1.30E-04
571	437081	3724910	1.15E-03	2.13E-04	1.10E-03	1.29E-04
572	437085	3724902	1.14E-03	2.12E-04	1.09E-03	1.28E-04
573	437089.1	3724893	1.14E-03	2.10E-04	1.08E-03	1.27E-04
574	437093.1	3724885	1.13E-03	2.08E-04	1.07E-03	1.26E-04
575	437117.2	3724834	1.05E-03	1.93E-04	9.96E-04	1.16E-04
576	437121.3	3724826	1.03E-03	1.90E-04	9.81E-04	1.14E-04
577	437125.3	3724817	1.02E-03	1.87E-04	9.65E-04	1.12E-04
578	437129.3	3724809	1.00E-03	1.83E-04	9.49E-04	1.11E-04
579	436993.2	3725487	1.26E-03	2.42E-04	1.23E-03	1.51E-04
580	436990.1	3725478	1.25E-03	2.39E-04	1.22E-03	1.49E-04
581	436987	3725470	1.24E-03	2.36E-04	1.20E-03	1.47E-04
582	436983.8	3725461	1.22E-03	2.34E-04	1.19E-03	1.45E-04
583	436980.7	3725452	1.21E-03	2.31E-04	1.18E-03	1.44E-04
584	436977.6	3725443	1.20E-03	2.29E-04	1.17E-03	1.42E-04
585	436974.4	3725434	1.19E-03	2.26E-04	1.15E-03	1.41E-04
586	436965	3725407	1.15E-03	2.20E-04	1.12E-03	1.36E-04
587	436961.9	3725399	1.14E-03	2.17E-04	1.11E-03	1.35E-04
588	436946.3	3725354	1.09E-03	2.07E-04	1.06E-03	1.28E-04
589	436943.1	3725345	1.08E-03	2.05E-04	1.05E-03	1.27E-04
590	436940	3725336	1.07E-03	2.03E-04	1.04E-03	1.26E-04
591	436936.9	3725328	1.06E-03	2.01E-04	1.03E-03	1.24E-04
592	436933.7	3725319	1.05E-03	1.98E-04	1.01E-03	1.23E-04
593	436930.6	3725310	1.03E-03	1.96E-04	1.00E-03	1.21E-04
594	436927.5	3725301	1.02E-03	1.94E-04	9.90E-04	1.20E-04
595	436924.3	3725292	1.01E-03	1.91E-04	9.77E-04	1.18E-04
596	436921.2	3725283	9.95E-04	1.89E-04	9.64E-04	1.17E-04
597	436918.1	3725274	9.83E-04	1.86E-04	9.52E-04	1.15E-04
598	436914.9	3725266	9.71E-04	1.84E-04	9.40E-04	1.14E-04
599	436905.5	3725239	9.44E-04	1.79E-04	9.13E-04	1.10E-04
600	436902.4	3725230	9.36E-04	1.77E-04	9.05E-04	1.09E-04
601	436899.3	3725221	9.28E-04	1.75E-04	8.97E-04	1.08E-04
602	436900.2	3725204	9.30E-04	1.76E-04	8.99E-04	1.08E-04
603	436904.2	3725195	9.39E-04	1.77E-04	9.08E-04	1.09E-04
604	436908.3	3725187	9.48E-04	1.79E-04	9.17E-04	1.10E-04
605	436912.3	3725178	9.57E-04	1.81E-04	9.25E-04	1.11E-04
606	436948.7	3725102	9.97E-04	1.88E-04	9.61E-04	1.15E-04
607	436952.8	3725093	1.00E-03	1.88E-04	9.65E-04	1.16E-04
608	436956.8	3725085	1.01E-03	1.89E-04	9.69E-04	1.16E-04
609	436960.9	3725076	1.01E-03	1.89E-04	9.71E-04	1.16E-04
610	436964.9	3725068	1.01E-03	1.89E-04	9.71E-04	1.16E-04
611	436969	3725059	1.01E-03	1.90E-04	9.73E-04	1.16E-04
612	436973	3725051	1.02E-03	1.91E-04	9.78E-04	1.17E-04
613	436977.1	3725042	1.03E-03	1.92E-04	9.86E-04	1.18E-04
614	436981.1	3725034	1.03E-03	1.94E-04	9.94E-04	1.18E-04
615	436985.2	3725025	1.04E-03	1.95E-04	1.00E-03	1.19E-04
616	436989.2	3725017	1.05E-03	1.96E-04	1.01E-03	1.20E-04
617	436993.3	3725009	1.05E-03	1.96E-04	1.01E-03	1.20E-04
618	436997.3	3725000	1.05E-03	1.96E-04	1.01E-03	1.20E-04

619	437001.3	3724992	1.05E-03	1.96E-04	1.01E-03	1.20E-04
620	437005.4	3724983	1.05E-03	1.95E-04	1.00E-03	1.19E-04
621	437009.4	3724975	1.04E-03	1.94E-04	9.98E-04	1.18E-04
622	437013.5	3724966	1.04E-03	1.93E-04	9.92E-04	1.17E-04
623	437017.5	3724958	1.04E-03	1.92E-04	9.91E-04	1.17E-04
624	437021.6	3724949	1.04E-03	1.92E-04	9.91E-04	1.17E-04
625	437025.6	3724941	1.04E-03	1.92E-04	9.92E-04	1.17E-04
626	437029.7	3724932	1.04E-03	1.93E-04	9.94E-04	1.17E-04
627	437033.7	3724924	1.05E-03	1.94E-04	1.00E-03	1.18E-04
628	437037.8	3724915	1.05E-03	1.95E-04	1.00E-03	1.18E-04
629	437041.8	3724907	1.05E-03	1.95E-04	1.00E-03	1.18E-04
630	437045.9	3724898	1.05E-03	1.94E-04	1.00E-03	1.18E-04
631	437049.9	3724890	1.04E-03	1.93E-04	9.96E-04	1.17E-04
632	437053.9	3724881	1.04E-03	1.92E-04	9.89E-04	1.16E-04
633	437058	3724873	1.03E-03	1.90E-04	9.81E-04	1.15E-04
634	437062	3724864	1.02E-03	1.88E-04	9.73E-04	1.14E-04
635	437066.1	3724856	1.01E-03	1.87E-04	9.64E-04	1.13E-04
636	437070.1	3724847	1.00E-03	1.85E-04	9.53E-04	1.12E-04
637	437090.4	3724805	9.42E-04	1.73E-04	8.95E-04	1.04E-04
638	437094.4	3724796	9.28E-04	1.70E-04	8.82E-04	1.03E-04
639	437098.5	3724788	9.14E-04	1.68E-04	8.68E-04	1.01E-04
640	437102.5	3724779	9.00E-04	1.65E-04	8.54E-04	9.92E-05
641	436956.9	3725495	1.10E-03	2.10E-04	1.07E-03	1.30E-04
642	436953.7	3725486	1.09E-03	2.08E-04	1.06E-03	1.29E-04
643	436950.6	3725477	1.08E-03	2.05E-04	1.05E-03	1.27E-04
644	436947.4	3725469	1.07E-03	2.04E-04	1.04E-03	1.26E-04
645	436944.3	3725460	1.06E-03	2.02E-04	1.03E-03	1.25E-04
646	436941.1	3725451	1.05E-03	2.00E-04	1.02E-03	1.24E-04
647	436938	3725442	1.04E-03	1.98E-04	1.01E-03	1.23E-04
648	436925.4	3725406	1.01E-03	1.91E-04	9.76E-04	1.18E-04
649	436922.3	3725397	9.99E-04	1.90E-04	9.69E-04	1.17E-04
650	436919.1	3725388	9.92E-04	1.88E-04	9.62E-04	1.16E-04
651	436916	3725379	9.84E-04	1.87E-04	9.54E-04	1.15E-04
652	436912.8	3725371	9.76E-04	1.85E-04	9.46E-04	1.14E-04
653	436887.7	3725299	9.02E-04	1.71E-04	8.73E-04	1.05E-04
654	436884.5	3725290	8.92E-04	1.69E-04	8.63E-04	1.04E-04
655	436881.4	3725281	8.83E-04	1.67E-04	8.54E-04	1.03E-04
656	436878.2	3725273	8.73E-04	1.65E-04	8.44E-04	1.02E-04
657	436865.6	3725237	8.45E-04	1.60E-04	8.17E-04	9.83E-05
658	436862.5	3725228	8.40E-04	1.59E-04	8.12E-04	9.77E-05
659	436859.3	3725219	8.35E-04	1.58E-04	8.07E-04	9.71E-05
660	436860.3	3725202	8.40E-04	1.58E-04	8.11E-04	9.76E-05
661	436864.3	3725193	8.48E-04	1.60E-04	8.19E-04	9.84E-05
662	436868.4	3725185	8.56E-04	1.61E-04	8.27E-04	9.93E-05
663	436900.9	3725116	8.87E-04	1.67E-04	8.55E-04	1.02E-04
664	436905	3725108	8.90E-04	1.67E-04	8.57E-04	1.03E-04
665	436909	3725099	8.92E-04	1.68E-04	8.60E-04	1.03E-04
666	436913.1	3725091	8.95E-04	1.68E-04	8.62E-04	1.03E-04
667	436917.2	3725082	8.98E-04	1.68E-04	8.64E-04	1.03E-04
668	436921.2	3725074	9.01E-04	1.69E-04	8.67E-04	1.04E-04
669	436925.3	3725065	9.04E-04	1.69E-04	8.69E-04	1.04E-04
670	436929.4	3725057	9.06E-04	1.70E-04	8.72E-04	1.04E-04

671	436933.4	3725048	9.11E-04	1.71E-04	8.76E-04	1.04E-04
672	436937.5	3725040	9.17E-04	1.71E-04	8.81E-04	1.05E-04
673	436941.6	3725031	9.22E-04	1.72E-04	8.86E-04	1.05E-04
674	436945.6	3725023	9.29E-04	1.74E-04	8.92E-04	1.06E-04
675	436949.7	3725014	9.35E-04	1.75E-04	8.98E-04	1.07E-04
676	436953.7	3725005	9.42E-04	1.76E-04	9.03E-04	1.07E-04
677	436957.8	3724997	9.47E-04	1.77E-04	9.09E-04	1.08E-04
678	436961.9	3724988	9.46E-04	1.76E-04	9.07E-04	1.08E-04
679	436965.9	3724980	9.44E-04	1.76E-04	9.04E-04	1.07E-04
680	436970	3724971	9.41E-04	1.75E-04	9.01E-04	1.07E-04
681	436974.1	3724963	9.38E-04	1.75E-04	8.99E-04	1.06E-04
682	436978.1	3724954	9.38E-04	1.74E-04	8.98E-04	1.06E-04
683	436982.2	3724946	9.37E-04	1.74E-04	8.96E-04	1.06E-04
684	436986.3	3724937	9.35E-04	1.74E-04	8.94E-04	1.06E-04
685	436990.3	3724929	9.43E-04	1.75E-04	9.01E-04	1.06E-04
686	436994.4	3724920	9.52E-04	1.77E-04	9.10E-04	1.07E-04
687	436998.5	3724912	9.63E-04	1.78E-04	9.20E-04	1.08E-04
688	437002.5	3724903	9.68E-04	1.79E-04	9.25E-04	1.09E-04
689	437006.6	3724895	9.66E-04	1.79E-04	9.23E-04	1.09E-04
690	437010.7	3724886	9.64E-04	1.78E-04	9.20E-04	1.08E-04
691	437014.7	3724878	9.59E-04	1.77E-04	9.15E-04	1.08E-04
692	437018.8	3724869	9.53E-04	1.76E-04	9.09E-04	1.07E-04
693	437022.9	3724860	9.47E-04	1.75E-04	9.03E-04	1.06E-04
694	437026.9	3724852	9.40E-04	1.74E-04	8.96E-04	1.05E-04
695	437059.4	3724784	8.66E-04	1.59E-04	8.23E-04	9.58E-05
696	437063.5	3724775	8.54E-04	1.57E-04	8.11E-04	9.44E-05
697	437067.6	3724767	8.43E-04	1.54E-04	8.00E-04	9.30E-05
698	437071.6	3724758	8.30E-04	1.52E-04	7.87E-04	9.15E-05
699	437075.7	3724750	8.17E-04	1.50E-04	7.75E-04	9.00E-05
700	436918.7	3725498	9.74E-04	1.85E-04	9.46E-04	1.15E-04
701	436915.6	3725489	9.65E-04	1.83E-04	9.37E-04	1.14E-04
702	436912.5	3725481	9.57E-04	1.82E-04	9.28E-04	1.12E-04
703	436909.4	3725472	9.48E-04	1.80E-04	9.20E-04	1.11E-04
704	436906.3	3725463	9.40E-04	1.79E-04	9.12E-04	1.10E-04
705	436903.2	3725454	9.33E-04	1.77E-04	9.04E-04	1.09E-04
706	436900.1	3725446	9.25E-04	1.76E-04	8.97E-04	1.09E-04
707	436893.9	3725428	9.12E-04	1.73E-04	8.84E-04	1.07E-04
708	436890.8	3725419	9.06E-04	1.72E-04	8.77E-04	1.06E-04
709	436887.7	3725410	8.99E-04	1.70E-04	8.71E-04	1.05E-04
710	436884.6	3725402	8.93E-04	1.69E-04	8.65E-04	1.04E-04
711	436881.5	3725393	8.87E-04	1.68E-04	8.59E-04	1.04E-04
712	436878.4	3725384	8.81E-04	1.67E-04	8.52E-04	1.03E-04
713	436875.3	3725375	8.73E-04	1.65E-04	8.45E-04	1.02E-04
714	436872.2	3725366	8.66E-04	1.64E-04	8.38E-04	1.01E-04
715	436869	3725358	8.60E-04	1.63E-04	8.32E-04	1.00E-04
716	436865.9	3725349	8.52E-04	1.61E-04	8.24E-04	9.94E-05
717	436862.8	3725340	8.45E-04	1.60E-04	8.17E-04	9.85E-05
718	436859.7	3725331	8.38E-04	1.58E-04	8.10E-04	9.76E-05
719	436856.6	3725322	8.31E-04	1.57E-04	8.03E-04	9.67E-05
720	436853.5	3725314	8.23E-04	1.55E-04	7.96E-04	9.58E-05
721	436850.4	3725305	8.16E-04	1.54E-04	7.89E-04	9.50E-05
722	436847.3	3725296	8.09E-04	1.53E-04	7.82E-04	9.41E-05

723	436844.2	3725287	8.02E-04	1.51E-04	7.75E-04	9.32E-05
724	436841.1	3725278	7.95E-04	1.50E-04	7.68E-04	9.24E-05
725	436838	3725270	7.89E-04	1.49E-04	7.62E-04	9.16E-05
726	436828.7	3725243	7.70E-04	1.45E-04	7.43E-04	8.93E-05
727	436825.6	3725234	7.64E-04	1.44E-04	7.38E-04	8.86E-05
728	436822.5	3725226	7.60E-04	1.43E-04	7.33E-04	8.81E-05
729	436819.4	3725217	7.55E-04	1.42E-04	7.29E-04	8.75E-05
730	436820.3	3725200	7.57E-04	1.42E-04	7.30E-04	8.76E-05
731	436824.3	3725191	7.63E-04	1.44E-04	7.36E-04	8.84E-05
732	436828.3	3725183	7.70E-04	1.45E-04	7.43E-04	8.91E-05
733	436876.4	3725082	8.12E-04	1.52E-04	7.81E-04	9.33E-05
734	436880.4	3725073	8.15E-04	1.53E-04	7.84E-04	9.36E-05
735	436884.5	3725065	8.18E-04	1.53E-04	7.87E-04	9.39E-05
736	436888.5	3725057	8.21E-04	1.54E-04	7.89E-04	9.41E-05
737	436892.5	3725048	8.24E-04	1.54E-04	7.92E-04	9.44E-05
738	437032.9	3724753	7.90E-04	1.45E-04	7.49E-04	8.72E-05
739	437036.9	3724745	7.80E-04	1.43E-04	7.40E-04	8.61E-05
740	437040.9	3724737	7.70E-04	1.41E-04	7.30E-04	8.49E-05
741	437044.9	3724728	7.59E-04	1.39E-04	7.20E-04	8.36E-05
742	437049	3724720	7.48E-04	1.37E-04	7.09E-04	8.23E-05
743	436848.1	3725409	8.06E-04	1.52E-04	7.79E-04	9.38E-05
744	436844.9	3725400	8.00E-04	1.51E-04	7.73E-04	9.31E-05
745	436841.8	3725391	7.94E-04	1.50E-04	7.67E-04	9.24E-05
746	436838.7	3725383	7.89E-04	1.49E-04	7.62E-04	9.17E-05
747	436835.6	3725374	7.84E-04	1.48E-04	7.57E-04	9.11E-05
748	436832.5	3725365	7.79E-04	1.47E-04	7.52E-04	9.05E-05
749	436829.3	3725356	7.74E-04	1.46E-04	7.47E-04	8.99E-05
750	436826.2	3725347	7.68E-04	1.45E-04	7.42E-04	8.92E-05
751	436823.1	3725338	7.63E-04	1.44E-04	7.36E-04	8.85E-05
752	436820	3725330	7.57E-04	1.43E-04	7.31E-04	8.78E-05
753	436816.9	3725321	7.51E-04	1.42E-04	7.25E-04	8.71E-05
754	436813.7	3725312	7.45E-04	1.40E-04	7.19E-04	8.64E-05
755	436810.6	3725303	7.39E-04	1.39E-04	7.13E-04	8.57E-05
756	436807.5	3725294	7.34E-04	1.38E-04	7.08E-04	8.50E-05
757	436804.4	3725285	7.28E-04	1.37E-04	7.03E-04	8.43E-05
758	436801.3	3725277	7.23E-04	1.36E-04	6.98E-04	8.38E-05
759	436798.1	3725268	7.18E-04	1.35E-04	6.93E-04	8.31E-05
760	436795	3725259	7.13E-04	1.34E-04	6.88E-04	8.26E-05
761	436791.9	3725250	7.09E-04	1.33E-04	6.83E-04	8.20E-05
762	436788.8	3725241	7.04E-04	1.33E-04	6.79E-04	8.14E-05
763	436785.7	3725232	7.00E-04	1.32E-04	6.75E-04	8.09E-05
764	436782.5	3725224	6.95E-04	1.31E-04	6.70E-04	8.03E-05
765	436779.4	3725215	6.90E-04	1.30E-04	6.65E-04	7.98E-05
766	436780.3	3725198	6.90E-04	1.30E-04	6.65E-04	7.97E-05
767	436816.6	3725121	7.29E-04	1.37E-04	7.02E-04	8.40E-05
768	436820.6	3725113	7.32E-04	1.37E-04	7.05E-04	8.43E-05
769	436824.7	3725105	7.34E-04	1.38E-04	7.06E-04	8.44E-05
770	436828.7	3725096	7.35E-04	1.38E-04	7.08E-04	8.45E-05
771	436832.7	3725088	7.37E-04	1.38E-04	7.09E-04	8.46E-05
772	436836.8	3725079	7.40E-04	1.39E-04	7.11E-04	8.49E-05
773	436840.8	3725071	7.43E-04	1.39E-04	7.14E-04	8.52E-05
774	436844.8	3725062	7.46E-04	1.40E-04	7.17E-04	8.56E-05

775	436848.8	3725054	7.50E-04	1.40E-04	7.21E-04	8.59E-05
776	437010	3724715	7.17E-04	1.31E-04	6.80E-04	7.90E-05
777	437014.1	3724707	7.08E-04	1.30E-04	6.71E-04	7.80E-05
778	437018.1	3724699	7.00E-04	1.28E-04	6.63E-04	7.69E-05
779	437022.1	3724690	6.90E-04	1.26E-04	6.53E-04	7.58E-05
780	436846	3725514	7.93E-04	1.50E-04	7.67E-04	9.26E-05
781	436842.9	3725505	7.88E-04	1.49E-04	7.62E-04	9.19E-05
782	436839.7	3725497	7.82E-04	1.48E-04	7.56E-04	9.11E-05
783	436836.6	3725488	7.76E-04	1.47E-04	7.50E-04	9.04E-05
784	436833.5	3725479	7.70E-04	1.45E-04	7.44E-04	8.97E-05
785	436830.3	3725470	7.64E-04	1.44E-04	7.39E-04	8.90E-05
786	436824.1	3725452	7.53E-04	1.42E-04	7.28E-04	8.76E-05
787	436789.6	3725355	7.06E-04	1.33E-04	6.81E-04	8.17E-05
788	436786.5	3725346	7.02E-04	1.32E-04	6.77E-04	8.12E-05
789	436783.3	3725337	6.97E-04	1.31E-04	6.72E-04	8.06E-05
790	436780.2	3725328	6.93E-04	1.30E-04	6.68E-04	8.01E-05
791	436777.1	3725319	6.88E-04	1.29E-04	6.63E-04	7.95E-05
792	436773.9	3725310	6.82E-04	1.28E-04	6.58E-04	7.88E-05
793	436770.8	3725301	6.77E-04	1.27E-04	6.52E-04	7.82E-05
794	436767.7	3725293	6.72E-04	1.26E-04	6.47E-04	7.76E-05
795	436764.6	3725284	6.67E-04	1.25E-04	6.43E-04	7.70E-05
796	436761.4	3725275	6.62E-04	1.24E-04	6.38E-04	7.65E-05
797	436758.3	3725266	6.58E-04	1.24E-04	6.34E-04	7.59E-05
798	436755.2	3725257	6.53E-04	1.23E-04	6.29E-04	7.54E-05
799	436752	3725248	6.49E-04	1.22E-04	6.25E-04	7.49E-05
800	436748.9	3725239	6.45E-04	1.21E-04	6.21E-04	7.43E-05
801	436745.8	3725230	6.40E-04	1.20E-04	6.17E-04	7.38E-05
802	436742.6	3725222	6.36E-04	1.19E-04	6.13E-04	7.33E-05
803	436739.5	3725213	6.32E-04	1.19E-04	6.08E-04	7.28E-05
804	436740.4	3725195	6.31E-04	1.18E-04	6.07E-04	7.27E-05
805	436772.8	3725127	6.63E-04	1.24E-04	6.38E-04	7.63E-05
806	436776.8	3725119	6.67E-04	1.25E-04	6.42E-04	7.67E-05
807	436780.9	3725110	6.71E-04	1.26E-04	6.46E-04	7.72E-05
808	436784.9	3725102	6.75E-04	1.27E-04	6.49E-04	7.75E-05
809	436789	3725093	6.78E-04	1.27E-04	6.52E-04	7.79E-05
810	436793	3725085	6.81E-04	1.28E-04	6.55E-04	7.81E-05
811	436797.1	3725077	6.84E-04	1.28E-04	6.57E-04	7.84E-05
812	436801.1	3725068	6.87E-04	1.28E-04	6.60E-04	7.87E-05
813	436805.2	3725060	6.89E-04	1.29E-04	6.62E-04	7.89E-05
814	436809.2	3725051	6.93E-04	1.30E-04	6.66E-04	7.93E-05
815	436813.2	3725043	6.97E-04	1.30E-04	6.69E-04	7.97E-05
816	436817.3	3725034	7.01E-04	1.31E-04	6.73E-04	8.01E-05
817	436787.6	3725460	6.96E-04	1.31E-04	6.71E-04	8.07E-05
818	436784.4	3725451	6.93E-04	1.31E-04	6.69E-04	8.03E-05
819	436781.3	3725442	6.90E-04	1.30E-04	6.65E-04	7.99E-05
820	436753	3725362	6.59E-04	1.24E-04	6.35E-04	7.61E-05
821	436749.9	3725353	6.54E-04	1.23E-04	6.30E-04	7.55E-05
822	436746.7	3725344	6.49E-04	1.22E-04	6.25E-04	7.48E-05
823	436743.6	3725335	6.44E-04	1.21E-04	6.20E-04	7.42E-05
824	436740.4	3725326	6.39E-04	1.20E-04	6.15E-04	7.36E-05
825	436737.3	3725318	6.34E-04	1.19E-04	6.10E-04	7.30E-05
826	436734.1	3725309	6.28E-04	1.18E-04	6.05E-04	7.24E-05

827	436731	3725300	6.23E-04	1.17E-04	6.00E-04	7.18E-05
828	436727.9	3725291	6.19E-04	1.16E-04	5.95E-04	7.12E-05
829	436724.7	3725282	6.14E-04	1.15E-04	5.91E-04	7.07E-05
830	436721.6	3725273	6.10E-04	1.14E-04	5.87E-04	7.02E-05
831	436718.4	3725264	6.06E-04	1.14E-04	5.83E-04	6.97E-05
832	436715.3	3725255	6.02E-04	1.13E-04	5.80E-04	6.93E-05
833	436712.1	3725246	5.99E-04	1.12E-04	5.76E-04	6.89E-05
834	436709	3725237	5.95E-04	1.12E-04	5.73E-04	6.85E-05
835	436705.8	3725228	5.91E-04	1.11E-04	5.69E-04	6.80E-05
836	436702.7	3725220	5.88E-04	1.10E-04	5.65E-04	6.76E-05
837	436699.6	3725211	5.84E-04	1.09E-04	5.61E-04	6.71E-05
838	436700.5	3725193	5.84E-04	1.09E-04	5.61E-04	6.71E-05
839	436728.9	3725134	6.10E-04	1.14E-04	5.87E-04	7.01E-05
840	436733	3725125	6.14E-04	1.15E-04	5.90E-04	7.05E-05
841	436737	3725117	6.17E-04	1.16E-04	5.93E-04	7.08E-05
842	436741.1	3725108	6.23E-04	1.17E-04	5.99E-04	7.14E-05
843	436745.2	3725100	6.28E-04	1.18E-04	6.04E-04	7.21E-05
844	436749.2	3725091	6.34E-04	1.19E-04	6.09E-04	7.27E-05
845	436753.3	3725082	6.38E-04	1.19E-04	6.13E-04	7.31E-05
846	436757.3	3725074	6.41E-04	1.20E-04	6.16E-04	7.34E-05
847	436759.1	3725490	6.61E-04	1.24E-04	6.37E-04	7.65E-05
848	436756	3725482	6.58E-04	1.24E-04	6.35E-04	7.61E-05
849	436752.9	3725473	6.56E-04	1.23E-04	6.32E-04	7.59E-05
850	436749.8	3725464	6.55E-04	1.23E-04	6.31E-04	7.57E-05
851	436746.7	3725455	6.54E-04	1.23E-04	6.30E-04	7.56E-05
852	436743.6	3725446	6.53E-04	1.23E-04	6.29E-04	7.54E-05
853	436740.5	3725437	6.50E-04	1.22E-04	6.27E-04	7.51E-05
854	436737.3	3725429	6.48E-04	1.22E-04	6.24E-04	7.48E-05
855	436712.5	3725358	6.10E-04	1.15E-04	5.87E-04	7.02E-05
856	436709.3	3725349	6.06E-04	1.14E-04	5.83E-04	6.97E-05
857	436706.2	3725341	6.01E-04	1.13E-04	5.79E-04	6.92E-05
858	436703.1	3725332	5.97E-04	1.12E-04	5.74E-04	6.86E-05
859	436700	3725323	5.92E-04	1.11E-04	5.70E-04	6.81E-05
860	436696.9	3725314	5.87E-04	1.10E-04	5.65E-04	6.75E-05
861	436693.8	3725305	5.83E-04	1.09E-04	5.60E-04	6.70E-05
862	436690.7	3725297	5.78E-04	1.08E-04	5.56E-04	6.64E-05
863	436687.6	3725288	5.74E-04	1.08E-04	5.52E-04	6.60E-05
864	436684.5	3725279	5.71E-04	1.07E-04	5.49E-04	6.55E-05
865	436681.4	3725270	5.67E-04	1.06E-04	5.45E-04	6.51E-05
866	436678.2	3725261	5.63E-04	1.06E-04	5.42E-04	6.47E-05
867	436675.1	3725253	5.60E-04	1.05E-04	5.39E-04	6.43E-05
868	436672	3725244	5.57E-04	1.04E-04	5.36E-04	6.40E-05
869	436688.6	3725132	5.70E-04	1.07E-04	5.48E-04	6.54E-05
870	436692.6	3725124	5.74E-04	1.07E-04	5.51E-04	6.58E-05
871	436696.7	3725115	5.77E-04	1.08E-04	5.54E-04	6.61E-05
872	436700.7	3725107	5.81E-04	1.09E-04	5.58E-04	6.65E-05
873	436704.7	3725098	5.85E-04	1.09E-04	5.62E-04	6.70E-05
874	436708.7	3725090	5.91E-04	1.10E-04	5.67E-04	6.76E-05
875	436712.7	3725082	5.96E-04	1.11E-04	5.73E-04	6.82E-05
876	436788.2	3725684	7.21E-04	1.36E-04	6.96E-04	8.37E-05
877	436785.1	3725675	7.15E-04	1.35E-04	6.90E-04	8.30E-05
878	436782	3725666	7.10E-04	1.34E-04	6.85E-04	8.24E-05

879	436778.9	3725657	7.05E-04	1.33E-04	6.80E-04	8.18E-05
880	436772.6	3725640	6.88E-04	1.30E-04	6.64E-04	7.98E-05
881	436769.5	3725631	6.81E-04	1.28E-04	6.57E-04	7.89E-05
882	436766.4	3725622	6.76E-04	1.27E-04	6.52E-04	7.83E-05
883	436763.2	3725613	6.72E-04	1.27E-04	6.48E-04	7.78E-05
884	436760.1	3725604	6.68E-04	1.26E-04	6.44E-04	7.74E-05
885	436757	3725595	6.64E-04	1.25E-04	6.40E-04	7.69E-05
886	436753.9	3725587	6.59E-04	1.24E-04	6.36E-04	7.64E-05
887	436750.8	3725578	6.55E-04	1.23E-04	6.32E-04	7.59E-05
888	436747.6	3725569	6.51E-04	1.23E-04	6.28E-04	7.54E-05
889	436744.5	3725560	6.47E-04	1.22E-04	6.24E-04	7.49E-05
890	436741.4	3725551	6.43E-04	1.21E-04	6.20E-04	7.44E-05
891	436716.4	3725480	6.21E-04	1.17E-04	5.99E-04	7.17E-05
892	436713.3	3725472	6.20E-04	1.17E-04	5.97E-04	7.15E-05
893	436710.2	3725463	6.19E-04	1.16E-04	5.96E-04	7.14E-05
894	436707.1	3725454	6.18E-04	1.16E-04	5.95E-04	7.13E-05
895	436703.9	3725445	6.18E-04	1.16E-04	5.95E-04	7.12E-05
896	436700.8	3725436	6.17E-04	1.16E-04	5.94E-04	7.10E-05
897	436697.7	3725427	6.16E-04	1.16E-04	5.92E-04	7.09E-05
898	436694.6	3725419	6.14E-04	1.15E-04	5.91E-04	7.07E-05
899	436691.4	3725410	6.08E-04	1.14E-04	5.85E-04	6.99E-05
900	436632.1	3725242	5.21E-04	9.75E-05	5.00E-04	5.97E-05
901	436664.9	3725096	5.42E-04	1.01E-04	5.20E-04	6.20E-05
902	436764.5	3725728	6.78E-04	1.28E-04	6.54E-04	7.85E-05
903	436761.4	3725719	6.77E-04	1.28E-04	6.53E-04	7.84E-05
904	436758.2	3725710	6.77E-04	1.27E-04	6.53E-04	7.83E-05
905	436755.1	3725701	6.76E-04	1.27E-04	6.52E-04	7.83E-05
906	436752	3725692	6.77E-04	1.27E-04	6.53E-04	7.83E-05
907	436748.8	3725683	6.73E-04	1.27E-04	6.49E-04	7.79E-05
908	436745.7	3725674	6.67E-04	1.25E-04	6.43E-04	7.72E-05
909	436742.6	3725666	6.60E-04	1.24E-04	6.36E-04	7.63E-05
910	436739.5	3725657	6.53E-04	1.23E-04	6.30E-04	7.56E-05
911	436736.3	3725648	6.48E-04	1.22E-04	6.25E-04	7.50E-05
912	436733.2	3725639	6.43E-04	1.21E-04	6.20E-04	7.44E-05
913	436730.1	3725630	6.39E-04	1.20E-04	6.16E-04	7.38E-05
914	436726.9	3725621	6.35E-04	1.19E-04	6.12E-04	7.34E-05
915	436723.8	3725612	6.31E-04	1.19E-04	6.08E-04	7.29E-05
916	436720.7	3725603	6.28E-04	1.18E-04	6.05E-04	7.25E-05
917	436717.5	3725595	6.24E-04	1.17E-04	6.02E-04	7.21E-05
918	436714.4	3725586	6.20E-04	1.16E-04	5.97E-04	7.16E-05
919	436711.3	3725577	6.15E-04	1.16E-04	5.93E-04	7.10E-05
920	436708.1	3725568	6.11E-04	1.15E-04	5.88E-04	7.05E-05
921	436705	3725559	6.07E-04	1.14E-04	5.85E-04	7.01E-05
922	436701.9	3725550	6.03E-04	1.13E-04	5.81E-04	6.96E-05
923	436698.7	3725541	5.99E-04	1.13E-04	5.77E-04	6.91E-05
924	436695.6	3725532	5.95E-04	1.12E-04	5.73E-04	6.86E-05
925	436670.5	3725462	5.86E-04	1.10E-04	5.64E-04	6.74E-05
926	436667.4	3725453	5.83E-04	1.09E-04	5.61E-04	6.71E-05
927	436664.3	3725444	5.81E-04	1.09E-04	5.59E-04	6.68E-05
928	436661.1	3725435	5.78E-04	1.08E-04	5.56E-04	6.64E-05
929	436658	3725426	5.75E-04	1.08E-04	5.53E-04	6.61E-05
930	436654.9	3725417	5.72E-04	1.07E-04	5.50E-04	6.57E-05

931	436595.4	3725249	4.94E-04	9.23E-05	4.74E-04	5.65E-05
932	436592.2	3725240	4.91E-04	9.18E-05	4.72E-04	5.62E-05
933	436589.1	3725231	4.90E-04	9.16E-05	4.71E-04	5.61E-05
934	436586	3725222	4.91E-04	9.17E-05	4.71E-04	5.61E-05
935	436582.8	3725213	4.92E-04	9.20E-05	4.73E-04	5.63E-05
936	436725.1	3725727	6.33E-04	1.19E-04	6.10E-04	7.32E-05
937	436722	3725718	6.34E-04	1.19E-04	6.11E-04	7.32E-05
938	436718.9	3725709	6.32E-04	1.19E-04	6.09E-04	7.30E-05
939	436715.7	3725700	6.29E-04	1.18E-04	6.06E-04	7.26E-05
940	436712.6	3725692	6.26E-04	1.18E-04	6.03E-04	7.22E-05
941	436709.4	3725683	6.22E-04	1.17E-04	6.00E-04	7.18E-05
942	436706.3	3725674	6.19E-04	1.16E-04	5.96E-04	7.14E-05
943	436703.2	3725665	6.15E-04	1.16E-04	5.93E-04	7.10E-05
944	436700	3725656	6.11E-04	1.15E-04	5.88E-04	7.04E-05
945	436696.9	3725647	6.07E-04	1.14E-04	5.85E-04	7.00E-05
946	436693.7	3725638	6.04E-04	1.14E-04	5.82E-04	6.97E-05
947	436690.6	3725629	6.02E-04	1.13E-04	5.80E-04	6.94E-05
948	436687.4	3725620	5.99E-04	1.13E-04	5.77E-04	6.91E-05
949	436684.3	3725612	5.96E-04	1.12E-04	5.74E-04	6.87E-05
950	436681.2	3725603	5.93E-04	1.11E-04	5.71E-04	6.84E-05
951	436678	3725594	5.90E-04	1.11E-04	5.68E-04	6.80E-05
952	436674.9	3725585	5.85E-04	1.10E-04	5.64E-04	6.75E-05
953	436671.7	3725576	5.80E-04	1.09E-04	5.58E-04	6.68E-05
954	436668.6	3725567	5.74E-04	1.08E-04	5.53E-04	6.61E-05
955	436665.5	3725558	5.71E-04	1.07E-04	5.49E-04	6.57E-05
956	436662.3	3725549	5.68E-04	1.07E-04	5.47E-04	6.54E-05
957	436659.2	3725540	5.66E-04	1.06E-04	5.45E-04	6.51E-05
958	436656	3725531	5.65E-04	1.06E-04	5.43E-04	6.50E-05
959	436652.9	3725523	5.64E-04	1.06E-04	5.43E-04	6.49E-05
960	436561.8	3725265	4.72E-04	8.82E-05	4.53E-04	5.39E-05
961	436558.6	3725256	4.70E-04	8.78E-05	4.51E-04	5.37E-05
962	436555.5	3725247	4.68E-04	8.73E-05	4.49E-04	5.34E-05
963	436552.3	3725238	4.65E-04	8.69E-05	4.47E-04	5.31E-05
964	436549.2	3725229	4.66E-04	8.70E-05	4.47E-04	5.32E-05
965	437547.8	3725319	9.53E-02	1.73E-02	9.00E-02	1.04E-02
966	437559.6	3725333	1.11E-01	1.99E-02	1.04E-01	1.18E-02
967	437528.6	3725313	6.87E-02	1.29E-02	6.63E-02	7.90E-03
968	437540.4	3725326	7.97E-02	1.47E-02	7.60E-02	8.90E-03
969	437552.2	3725339	9.21E-02	1.68E-02	8.71E-02	1.01E-02
970	437509.3	3725307	5.24E-02	1.01E-02	5.15E-02	6.32E-03
971	437521.2	3725320	5.98E-02	1.14E-02	5.81E-02	7.01E-03
972	437533	3725333	6.89E-02	1.29E-02	6.63E-02	7.89E-03
973	437544.8	3725346	7.93E-02	1.47E-02	7.58E-02	8.93E-03
974	437501.9	3725314	4.64E-02	9.02E-03	4.58E-02	5.65E-03
975	437513.7	3725327	5.31E-02	1.02E-02	5.19E-02	6.32E-03
976	437525.6	3725340	6.11E-02	1.16E-02	5.93E-02	7.16E-03
977	437537.4	3725353	7.04E-02	1.33E-02	6.80E-02	8.16E-03
978	437494.5	3725320	4.18E-02	8.17E-03	4.14E-02	5.13E-03
979	437506.3	3725333	4.80E-02	9.30E-03	4.72E-02	5.81E-03
980	437518.2	3725346	5.56E-02	1.07E-02	5.44E-02	6.67E-03
981	437530	3725359	6.43E-02	1.23E-02	6.28E-02	7.68E-03
982	437498.9	3725340	4.43E-02	8.66E-03	4.39E-02	5.46E-03

983	437510.7	3725353	5.17E-02	1.01E-02	5.11E-02	6.36E-03
984	437522.6	3725366	6.06E-02	1.18E-02	5.98E-02	7.45E-03
985	437491.5	3725347	4.19E-02	8.28E-03	4.17E-02	5.25E-03
986	437503.3	3725360	4.95E-02	9.79E-03	4.93E-02	6.23E-03
987	437515.1	3725373	5.90E-02	1.17E-02	5.89E-02	7.48E-03
988	437464.9	3725347	3.23E-02	6.49E-03	3.26E-02	4.17E-03
989	437476.7	3725360	4.00E-02	8.10E-03	4.05E-02	5.23E-03
990	437488.5	3725373	4.98E-02	1.02E-02	5.07E-02	6.62E-03
991	437500.3	3725386	6.25E-02	1.29E-02	6.40E-02	8.44E-03
992	437450.1	3725361	3.21E-02	6.59E-03	3.27E-02	4.29E-03
993	437486.3	3725363	4.42E-02	8.91E-03	4.46E-02	5.74E-03
994	437290.7	3725439	7.44E-03	1.52E-03	7.57E-03	9.89E-04
995	436672.5	3725698	5.81E-04	1.09E-04	5.59E-04	6.69E-05
996	437557.6	3725323	1.15E-01	2.05E-02	1.07E-01	1.21E-02
997	436768.5	3725455	6.74E-04	1.27E-04	6.50E-04	7.81E-05
998	436729.1	3725462	6.36E-04	1.20E-04	6.13E-04	7.35E-05
999	436689.6	3725469	5.98E-04	1.12E-04	5.76E-04	6.89E-05
1000	437438.2	3725332	2.18E-02	4.35E-03	2.19E-02	2.77E-03
1001	437418.1	3725328	1.65E-02	3.27E-03	1.65E-02	2.08E-03
1002	437118.4	3725342	2.19E-03	4.24E-04	2.15E-03	2.66E-04
1003	437058.3	3725339	1.67E-03	3.21E-04	1.63E-03	2.00E-04
1004	436998.3	3725340	1.31E-03	2.50E-04	1.27E-03	1.55E-04
1005	436958.3	3725342	1.13E-03	2.16E-04	1.10E-03	1.34E-04
1006	436918.3	3725343	9.95E-04	1.89E-04	9.64E-04	1.17E-04
1007	436878.3	3725344	8.82E-04	1.67E-04	8.53E-04	1.03E-04
1008	436838.3	3725345	7.93E-04	1.50E-04	7.66E-04	9.21E-05
1009	436798.4	3725346	7.20E-04	1.36E-04	6.94E-04	8.33E-05
1010	436758.4	3725347	6.64E-04	1.25E-04	6.40E-04	7.66E-05
1011	436718.4	3725349	6.15E-04	1.15E-04	5.92E-04	7.08E-05
1012	436678.4	3725350	5.77E-04	1.08E-04	5.55E-04	6.63E-05
1013	437334	3725234	6.34E-03	1.23E-03	6.24E-03	7.66E-04
1014	437312.6	3725235	5.31E-03	1.02E-03	5.21E-03	6.38E-04
1015	437286.9	3725218	4.28E-03	8.22E-04	4.19E-03	5.11E-04
1016	437230.3	3725198	2.98E-03	5.69E-04	2.91E-03	3.53E-04
1017	436994.5	3725115	1.15E-03	2.17E-04	1.11E-03	1.33E-04
1018	437626	3725374	2.66E-01	4.55E-02	2.41E-01	2.60E-02
1019	437633.4	3725380	2.76E-01	4.73E-02	2.51E-01	2.70E-02
1020	437640.8	3725386	2.85E-01	4.87E-02	2.58E-01	2.78E-02
1021	437648.2	3725393	2.91E-01	4.97E-02	2.64E-01	2.84E-02
1022	437655.6	3725399	2.95E-01	5.04E-02	2.68E-01	2.88E-02
1023	437663	3725405	2.96E-01	5.05E-02	2.68E-01	2.89E-02
1024	437670.4	3725411	2.92E-01	5.00E-02	2.65E-01	2.86E-02
1025	437619.6	3725381	2.08E-01	3.61E-02	1.91E-01	2.09E-02
1026	437627	3725388	2.17E-01	3.76E-02	1.98E-01	2.18E-02
1027	437634.3	3725394	2.24E-01	3.89E-02	2.05E-01	2.25E-02
1028	437641.7	3725400	2.30E-01	3.99E-02	2.10E-01	2.30E-02
1029	437649.1	3725406	2.33E-01	4.04E-02	2.13E-01	2.34E-02
1030	437656.5	3725413	2.35E-01	4.07E-02	2.15E-01	2.36E-02
1031	437663.9	3725419	2.34E-01	4.05E-02	2.14E-01	2.35E-02
1032	437613.1	3725389	1.71E-01	3.01E-02	1.58E-01	1.77E-02
1033	437620.5	3725395	1.78E-01	3.15E-02	1.65E-01	1.85E-02
1034	437627.9	3725402	1.85E-01	3.26E-02	1.71E-01	1.91E-02

1035	437635.3	3725408	1.90E-01	3.35E-02	1.76E-01	1.97E-02
1036	437642.6	3725414	1.94E-01	3.42E-02	1.79E-01	2.00E-02
1037	437650	3725420	1.96E-01	3.45E-02	1.81E-01	2.03E-02
1038	437657.4	3725427	1.96E-01	3.46E-02	1.81E-01	2.03E-02
1039	437599.2	3725390	1.39E-01	2.50E-02	1.30E-01	1.49E-02
1040	437606.6	3725397	1.46E-01	2.63E-02	1.37E-01	1.57E-02
1041	437614	3725403	1.53E-01	2.76E-02	1.43E-01	1.64E-02
1042	437621.4	3725409	1.59E-01	2.87E-02	1.49E-01	1.71E-02
1043	437628.8	3725415	1.64E-01	2.96E-02	1.54E-01	1.76E-02
1044	437636.2	3725422	1.68E-01	3.03E-02	1.57E-01	1.81E-02
1045	437643.6	3725428	1.71E-01	3.08E-02	1.60E-01	1.84E-02
1046	437651	3725434	1.72E-01	3.10E-02	1.61E-01	1.85E-02
1047	437551.3	3725354	8.51E-02	1.57E-02	8.11E-02	9.53E-03
1048	437592.8	3725398	1.24E-01	2.28E-02	1.18E-01	1.38E-02
1049	437600.1	3725404	1.31E-01	2.41E-02	1.24E-01	1.46E-02
1050	437607.5	3725410	1.37E-01	2.53E-02	1.30E-01	1.53E-02
1051	437614.9	3725417	1.43E-01	2.64E-02	1.36E-01	1.60E-02
1052	437622.3	3725423	1.48E-01	2.74E-02	1.41E-01	1.66E-02
1053	437629.7	3725429	1.52E-01	2.82E-02	1.45E-01	1.71E-02
1054	437637.1	3725436	1.55E-01	2.88E-02	1.48E-01	1.75E-02
1055	437644.5	3725442	1.57E-01	2.91E-02	1.50E-01	1.77E-02
1056	437593.7	3725412	1.22E-01	2.30E-02	1.18E-01	1.42E-02
1057	437601.1	3725418	1.28E-01	2.43E-02	1.24E-01	1.50E-02
1058	437608.4	3725424	1.34E-01	2.55E-02	1.30E-01	1.58E-02
1059	437615.8	3725431	1.40E-01	2.66E-02	1.36E-01	1.65E-02
1060	437623.2	3725437	1.45E-01	2.76E-02	1.41E-01	1.71E-02
1061	437630.6	3725443	1.49E-01	2.83E-02	1.44E-01	1.76E-02
1062	437638	3725450	1.51E-01	2.89E-02	1.47E-01	1.80E-02
1063	437545.8	3725381	7.86E-02	1.52E-02	7.71E-02	9.50E-03
1064	437536.9	3725367	7.01E-02	1.34E-02	6.84E-02	8.36E-03
1065	437587.2	3725419	1.19E-01	2.32E-02	1.17E-01	1.46E-02
1066	437594.6	3725426	1.26E-01	2.46E-02	1.24E-01	1.55E-02
1067	437602	3725432	1.33E-01	2.60E-02	1.31E-01	1.65E-02
1068	437609.4	3725438	1.40E-01	2.74E-02	1.38E-01	1.73E-02
1069	437616.7	3725445	1.46E-01	2.86E-02	1.44E-01	1.81E-02
1070	437624.1	3725451	1.50E-01	2.96E-02	1.49E-01	1.88E-02
1071	437631.5	3725457	1.54E-01	3.04E-02	1.53E-01	1.93E-02
1072	437538.7	3725388	7.64E-02	1.51E-02	7.59E-02	9.58E-03
1073	437533.6	3725380	7.05E-02	1.38E-02	6.97E-02	8.74E-03
1074	437532.5	3725396	7.87E-02	1.59E-02	7.94E-02	1.03E-02
1075	437523	3725381	6.57E-02	1.31E-02	6.57E-02	8.37E-03
1076	437517.2	3725389	6.92E-02	1.41E-02	7.02E-02	9.14E-03
1077	437480.4	3725348	3.79E-02	7.56E-03	3.80E-02	4.83E-03
1078	437460.8	3725362	3.59E-02	7.35E-03	3.66E-02	4.78E-03
1079	437441.5	3725367	3.22E-02	6.67E-03	3.30E-02	4.38E-03
1080	437423.1	3725346	1.93E-02	3.89E-03	1.95E-02	2.50E-03
1081	437327.3	3725352	7.23E-03	1.44E-03	7.25E-03	9.23E-04
1082	437306.3	3725404	7.87E-03	1.60E-03	7.99E-03	1.04E-03
1083	437310.2	3725301	5.70E-03	1.11E-03	5.64E-03	7.03E-04
1084	437312	3725476	1.00E-02	2.09E-03	1.03E-02	1.38E-03
1085	437307	3725468	9.38E-03	1.95E-03	9.63E-03	1.28E-03
1086	437302	3725460	8.75E-03	1.81E-03	8.96E-03	1.18E-03

1087	437297	3725452	8.16E-03	1.68E-03	8.34E-03	1.10E-03
1088	437277.7	3725402	6.12E-03	1.23E-03	6.17E-03	7.95E-04
1089	437280.5	3725328	4.99E-03	9.83E-04	4.96E-03	6.24E-04
1090	437282.9	3725484	7.20E-03	1.48E-03	7.34E-03	9.62E-04
1091	437277.9	3725476	6.88E-03	1.41E-03	7.00E-03	9.15E-04
1092	437272.9	3725468	6.53E-03	1.33E-03	6.62E-03	8.63E-04
1093	437267.9	3725460	6.19E-03	1.26E-03	6.27E-03	8.14E-04
1094	437249.1	3725401	4.97E-03	9.94E-04	4.99E-03	6.36E-04
1095	437244.9	3725477	5.07E-03	1.02E-03	5.11E-03	6.59E-04
1096	437220.2	3725408	4.06E-03	8.07E-04	4.06E-03	5.14E-04
1097	437223	3725330	3.79E-03	7.43E-04	3.75E-03	4.69E-04
1098	437223.4	3725321	3.74E-03	7.32E-04	3.70E-03	4.62E-04
1099	437223.7	3725311	3.69E-03	7.20E-04	3.64E-03	4.54E-04
1100	437227	3725225	3.08E-03	5.91E-04	3.01E-03	3.68E-04
1101	437227.3	3725215	3.03E-03	5.81E-04	2.96E-03	3.61E-04
1102	437191.5	3725406	3.36E-03	6.62E-04	3.34E-03	4.20E-04
1103	437191.9	3725396	3.35E-03	6.60E-04	3.33E-03	4.18E-04
1104	437194.4	3725329	3.22E-03	6.28E-04	3.18E-03	3.96E-04
1105	437194.8	3725320	3.19E-03	6.22E-04	3.15E-03	3.92E-04
1106	437195.1	3725310	3.16E-03	6.15E-04	3.11E-03	3.87E-04
1107	437198.3	3725224	2.77E-03	5.31E-04	2.70E-03	3.30E-04
1108	437198.7	3725214	2.71E-03	5.19E-04	2.64E-03	3.22E-04
1109	437199	3725205	2.66E-03	5.08E-04	2.59E-03	3.15E-04
1110	437162.9	3725404	2.83E-03	5.54E-04	2.80E-03	3.50E-04
1111	437163.3	3725395	2.83E-03	5.53E-04	2.80E-03	3.50E-04
1112	437168.3	3725262	2.60E-03	5.02E-04	2.55E-03	3.14E-04
1113	437169.7	3725223	2.48E-03	4.76E-04	2.42E-03	2.96E-04
1114	437170	3725214	2.45E-03	4.69E-04	2.39E-03	2.91E-04
1115	437170.4	3725204	2.42E-03	4.62E-04	2.36E-03	2.87E-04
1116	437170.7	3725195	2.39E-03	4.56E-04	2.33E-03	2.82E-04
1117	437134	3725413	2.42E-03	4.72E-04	2.39E-03	2.98E-04
1118	437134.3	3725403	2.42E-03	4.72E-04	2.39E-03	2.97E-04
1119	437136.8	3725337	2.39E-03	4.63E-04	2.35E-03	2.91E-04
1120	437137.1	3725327	2.38E-03	4.61E-04	2.34E-03	2.89E-04
1121	437137.5	3725318	2.37E-03	4.58E-04	2.33E-03	2.87E-04
1122	437139.6	3725261	2.28E-03	4.40E-04	2.23E-03	2.74E-04
1123	437141	3725223	2.20E-03	4.22E-04	2.15E-03	2.62E-04
1124	437141.4	3725213	2.18E-03	4.17E-04	2.13E-03	2.59E-04
1125	437141.7	3725204	2.16E-03	4.12E-04	2.10E-03	2.56E-04
1126	437142.1	3725194	2.13E-03	4.07E-04	2.08E-03	2.53E-04
1127	437105.4	3725411	2.10E-03	4.07E-04	2.06E-03	2.55E-04
1128	437108.2	3725335	2.08E-03	4.02E-04	2.04E-03	2.52E-04
1129	437108.5	3725326	2.07E-03	4.00E-04	2.03E-03	2.50E-04
1130	437108.9	3725317	2.07E-03	3.99E-04	2.03E-03	2.49E-04
1131	437111	3725260	2.01E-03	3.86E-04	1.97E-03	2.41E-04
1132	437112.4	3725222	1.95E-03	3.73E-04	1.90E-03	2.32E-04
1133	437113.1	3725203	1.92E-03	3.66E-04	1.87E-03	2.27E-04
1134	437113.4	3725194	1.90E-03	3.63E-04	1.85E-03	2.25E-04
1135	437076.7	3725410	1.82E-03	3.52E-04	1.79E-03	2.20E-04
1136	437079.2	3725344	1.83E-03	3.53E-04	1.79E-03	2.20E-04
1137	437079.5	3725334	1.83E-03	3.52E-04	1.79E-03	2.20E-04
1138	437079.9	3725325	1.82E-03	3.51E-04	1.78E-03	2.19E-04

1139	437080.2	3725316	1.82E-03	3.50E-04	1.78E-03	2.18E-04
1140	437082	3725268	1.79E-03	3.43E-04	1.74E-03	2.13E-04
1141	437083.8	3725221	1.74E-03	3.32E-04	1.70E-03	2.06E-04
1142	437084.5	3725203	1.72E-03	3.27E-04	1.67E-03	2.03E-04
1143	437084.8	3725193	1.70E-03	3.25E-04	1.66E-03	2.01E-04
1144	437085.2	3725184	1.69E-03	3.22E-04	1.64E-03	1.99E-04
1145	437051.1	3725329	1.62E-03	3.11E-04	1.58E-03	1.94E-04
1146	437051.4	3725319	1.62E-03	3.10E-04	1.58E-03	1.93E-04
1147	437053.6	3725261	1.59E-03	3.04E-04	1.55E-03	1.89E-04
1148	437056.1	3725194	1.53E-03	2.92E-04	1.49E-03	1.81E-04
1149	437056.5	3725184	1.52E-03	2.89E-04	1.48E-03	1.79E-04
1150	437016.7	3725482	1.39E-03	2.67E-04	1.36E-03	1.67E-04
1151	437017.1	3725472	1.40E-03	2.68E-04	1.36E-03	1.67E-04
1152	437024.6	3725270	1.43E-03	2.74E-04	1.40E-03	1.70E-04
1153	437027.5	3725193	1.39E-03	2.63E-04	1.34E-03	1.63E-04
1154	437027.8	3725184	1.38E-03	2.62E-04	1.34E-03	1.62E-04
1155	436978.1	3725492	1.19E-03	2.27E-04	1.16E-03	1.41E-04
1156	436978.4	3725483	1.19E-03	2.28E-04	1.16E-03	1.42E-04
1157	436981.6	3725397	1.22E-03	2.34E-04	1.19E-03	1.45E-04
1158	436982	3725388	1.23E-03	2.34E-04	1.19E-03	1.45E-04
1159	436982.3	3725378	1.23E-03	2.35E-04	1.20E-03	1.46E-04
1160	436984.5	3725321	1.24E-03	2.37E-04	1.21E-03	1.47E-04
1161	436984.8	3725312	1.24E-03	2.37E-04	1.21E-03	1.47E-04
1162	436985.2	3725302	1.24E-03	2.37E-04	1.21E-03	1.47E-04
1163	436987.6	3725236	1.23E-03	2.34E-04	1.20E-03	1.45E-04
1164	436988	3725227	1.23E-03	2.35E-04	1.20E-03	1.45E-04
1165	436988.3	3725217	1.24E-03	2.35E-04	1.20E-03	1.45E-04
1166	436988.7	3725208	1.23E-03	2.34E-04	1.19E-03	1.44E-04
1167	436989.1	3725198	1.23E-03	2.33E-04	1.19E-03	1.44E-04
1168	436989.4	3725189	1.22E-03	2.32E-04	1.18E-03	1.43E-04
1169	436939.5	3725503	1.04E-03	1.98E-04	1.01E-03	1.23E-04
1170	436939.8	3725493	1.04E-03	1.98E-04	1.01E-03	1.23E-04
1171	436940.2	3725483	1.04E-03	1.98E-04	1.01E-03	1.23E-04
1172	436943.1	3725407	1.07E-03	2.03E-04	1.04E-03	1.26E-04
1173	436943.4	3725397	1.07E-03	2.03E-04	1.04E-03	1.26E-04
1174	436943.8	3725387	1.07E-03	2.04E-04	1.04E-03	1.26E-04
1175	436944.1	3725378	1.08E-03	2.05E-04	1.04E-03	1.27E-04
1176	436946.3	3725320	1.09E-03	2.07E-04	1.06E-03	1.28E-04
1177	436946.6	3725311	1.09E-03	2.07E-04	1.06E-03	1.28E-04
1178	436947	3725301	1.09E-03	2.07E-04	1.06E-03	1.28E-04
1179	436947.4	3725291	1.09E-03	2.06E-04	1.05E-03	1.28E-04
1180	436947.7	3725282	1.08E-03	2.06E-04	1.05E-03	1.27E-04
1181	436949.9	3725224	1.08E-03	2.05E-04	1.05E-03	1.27E-04
1182	436950.2	3725215	1.09E-03	2.06E-04	1.05E-03	1.27E-04
1183	436950.6	3725205	1.09E-03	2.06E-04	1.05E-03	1.27E-04
1184	436909	3725295	9.61E-04	1.82E-04	9.30E-04	1.12E-04
1185	436909.3	3725285	9.60E-04	1.82E-04	9.29E-04	1.12E-04
1186	436911.5	3725228	9.60E-04	1.82E-04	9.29E-04	1.12E-04
1187	436911.8	3725219	9.62E-04	1.82E-04	9.30E-04	1.12E-04
1188	436912.2	3725210	9.63E-04	1.82E-04	9.31E-04	1.12E-04
1189	436912.5	3725200	9.63E-04	1.82E-04	9.31E-04	1.12E-04
1190	436915.7	3725115	9.21E-04	1.73E-04	8.88E-04	1.06E-04

1191	436916.1	3725105	9.14E-04	1.72E-04	8.80E-04	1.05E-04
1192	436862.6	3725514	8.28E-04	1.57E-04	8.01E-04	9.68E-05
1193	436863	3725504	8.29E-04	1.57E-04	8.03E-04	9.69E-05
1194	436863.3	3725495	8.30E-04	1.57E-04	8.04E-04	9.71E-05
1195	436863.7	3725485	8.31E-04	1.57E-04	8.05E-04	9.72E-05
1196	436866.5	3725408	8.47E-04	1.60E-04	8.20E-04	9.89E-05
1197	436866.9	3725399	8.50E-04	1.61E-04	8.22E-04	9.92E-05
1198	436867.3	3725389	8.53E-04	1.61E-04	8.25E-04	9.95E-05
1199	436869.4	3725332	8.60E-04	1.62E-04	8.31E-04	1.00E-04
1200	436869.8	3725322	8.60E-04	1.62E-04	8.31E-04	1.00E-04
1201	436870.1	3725312	8.60E-04	1.63E-04	8.32E-04	1.00E-04
1202	436870.5	3725303	8.60E-04	1.62E-04	8.31E-04	1.00E-04
1203	436870.8	3725293	8.59E-04	1.62E-04	8.31E-04	1.00E-04
1204	436871.2	3725284	8.58E-04	1.62E-04	8.30E-04	1.00E-04
1205	436873.3	3725226	8.65E-04	1.63E-04	8.36E-04	1.01E-04
1206	436873.7	3725217	8.68E-04	1.64E-04	8.38E-04	1.01E-04
1207	436874	3725207	8.70E-04	1.64E-04	8.41E-04	1.01E-04
1208	436874.4	3725197	8.70E-04	1.64E-04	8.41E-04	1.01E-04
1209	436824.4	3725514	7.53E-04	1.42E-04	7.27E-04	8.76E-05
1210	436824.7	3725505	7.53E-04	1.42E-04	7.28E-04	8.77E-05
1211	436825.1	3725495	7.54E-04	1.42E-04	7.29E-04	8.78E-05
1212	436825.4	3725485	7.55E-04	1.43E-04	7.30E-04	8.79E-05
1213	436828.3	3725408	7.66E-04	1.44E-04	7.40E-04	8.90E-05
1214	436828.7	3725398	7.68E-04	1.45E-04	7.41E-04	8.92E-05
1215	436829.1	3725389	7.69E-04	1.45E-04	7.43E-04	8.94E-05
1216	436831.2	3725330	7.79E-04	1.47E-04	7.52E-04	9.04E-05
1217	436831.6	3725321	7.79E-04	1.47E-04	7.53E-04	9.05E-05
1218	436831.9	3725311	7.80E-04	1.47E-04	7.53E-04	9.05E-05
1219	436832.3	3725301	7.80E-04	1.47E-04	7.53E-04	9.05E-05
1220	436832.7	3725292	7.80E-04	1.47E-04	7.53E-04	9.06E-05
1221	436834.8	3725234	7.82E-04	1.47E-04	7.55E-04	9.07E-05
1222	436835.2	3725224	7.85E-04	1.48E-04	7.57E-04	9.10E-05
1223	436835.5	3725214	7.88E-04	1.48E-04	7.61E-04	9.14E-05
1224	436835.9	3725205	7.90E-04	1.49E-04	7.63E-04	9.16E-05
1225	436836.3	3725195	7.89E-04	1.49E-04	7.62E-04	9.15E-05
1226	436838.8	3725127	7.70E-04	1.45E-04	7.41E-04	8.88E-05
1227	436839.2	3725118	7.65E-04	1.44E-04	7.37E-04	8.82E-05
1228	436839.5	3725108	7.60E-04	1.43E-04	7.31E-04	8.75E-05
1229	436839.9	3725098	7.54E-04	1.41E-04	7.26E-04	8.67E-05
1230	436792.9	3725334	7.12E-04	1.34E-04	6.86E-04	8.24E-05
1231	436793.2	3725324	7.12E-04	1.34E-04	6.87E-04	8.24E-05
1232	436793.6	3725314	7.12E-04	1.34E-04	6.87E-04	8.24E-05
1233	436793.9	3725305	7.12E-04	1.34E-04	6.87E-04	8.24E-05
1234	436794.3	3725295	7.12E-04	1.34E-04	6.87E-04	8.24E-05
1235	436794.7	3725286	7.13E-04	1.34E-04	6.87E-04	8.25E-05
1236	436796.8	3725228	7.17E-04	1.35E-04	6.91E-04	8.29E-05
1237	436797.2	3725219	7.17E-04	1.35E-04	6.92E-04	8.29E-05
1238	436797.5	3725209	7.18E-04	1.35E-04	6.92E-04	8.30E-05
1239	436797.9	3725199	7.17E-04	1.35E-04	6.91E-04	8.29E-05
1240	436800.7	3725123	7.04E-04	1.32E-04	6.78E-04	8.11E-05
1241	436801.1	3725113	7.02E-04	1.32E-04	6.76E-04	8.07E-05
1242	436801.4	3725104	6.99E-04	1.31E-04	6.72E-04	8.03E-05

1243	436801.8	3725094	6.96E-04	1.30E-04	6.69E-04	7.99E-05
1244	436802.2	3725085	6.93E-04	1.30E-04	6.66E-04	7.95E-05
1245	436771.9	3725605	6.81E-04	1.28E-04	6.57E-04	7.90E-05
1246	436766.8	3725597	6.75E-04	1.27E-04	6.51E-04	7.82E-05
1247	436750.7	3725439	6.60E-04	1.24E-04	6.36E-04	7.63E-05
1248	436751.1	3725429	6.60E-04	1.24E-04	6.37E-04	7.63E-05
1249	436754.7	3725332	6.58E-04	1.24E-04	6.34E-04	7.59E-05
1250	436755.1	3725323	6.57E-04	1.24E-04	6.33E-04	7.58E-05
1251	436755.4	3725313	6.57E-04	1.23E-04	6.33E-04	7.58E-05
1252	436755.8	3725303	6.56E-04	1.23E-04	6.32E-04	7.57E-05
1253	436756.1	3725294	6.56E-04	1.23E-04	6.32E-04	7.56E-05
1254	436758.3	3725236	6.58E-04	1.24E-04	6.34E-04	7.60E-05
1255	436758.7	3725226	6.59E-04	1.24E-04	6.34E-04	7.60E-05
1256	436759	3725216	6.59E-04	1.24E-04	6.35E-04	7.60E-05
1257	436759.4	3725207	6.59E-04	1.24E-04	6.35E-04	7.61E-05
1258	436759.7	3725197	6.58E-04	1.24E-04	6.34E-04	7.59E-05
1259	436762.3	3725130	6.49E-04	1.22E-04	6.25E-04	7.47E-05
1260	436762.6	3725120	6.48E-04	1.22E-04	6.24E-04	7.45E-05
1261	436763	3725110	6.48E-04	1.21E-04	6.23E-04	7.44E-05
1262	436763.3	3725101	6.49E-04	1.21E-04	6.24E-04	7.44E-05
1263	436763.7	3725091	6.49E-04	1.21E-04	6.24E-04	7.44E-05
1264	436764.1	3725081	6.48E-04	1.21E-04	6.23E-04	7.43E-05
1265	436779.2	3725688	7.09E-04	1.34E-04	6.84E-04	8.22E-05
1266	436774.1	3725680	7.02E-04	1.32E-04	6.77E-04	8.14E-05
1267	436769	3725672	6.94E-04	1.31E-04	6.70E-04	8.05E-05
1268	436763.9	3725664	6.85E-04	1.29E-04	6.61E-04	7.94E-05
1269	436758.7	3725656	6.77E-04	1.27E-04	6.53E-04	7.84E-05
1270	436753.6	3725648	6.68E-04	1.26E-04	6.44E-04	7.73E-05
1271	436748.5	3725639	6.60E-04	1.24E-04	6.37E-04	7.64E-05
1272	436743.3	3725631	6.53E-04	1.23E-04	6.30E-04	7.56E-05
1273	436738.2	3725623	6.46E-04	1.22E-04	6.23E-04	7.48E-05
1274	436712.4	3725441	6.25E-04	1.17E-04	6.02E-04	7.21E-05
1275	436712.8	3725431	6.27E-04	1.18E-04	6.04E-04	7.23E-05
1276	436713.1	3725422	6.28E-04	1.18E-04	6.05E-04	7.24E-05
1277	436716.4	3725336	6.11E-04	1.15E-04	5.88E-04	7.03E-05
1278	436716.7	3725326	6.10E-04	1.15E-04	5.87E-04	7.03E-05
1279	436717.1	3725316	6.09E-04	1.14E-04	5.86E-04	7.01E-05
1280	436717.4	3725307	6.08E-04	1.14E-04	5.85E-04	7.00E-05
1281	436717.8	3725297	6.07E-04	1.14E-04	5.84E-04	6.99E-05
1282	436719.9	3725240	6.08E-04	1.14E-04	5.85E-04	6.99E-05
1283	436720.3	3725230	6.08E-04	1.14E-04	5.85E-04	7.00E-05
1284	436720.6	3725221	6.08E-04	1.14E-04	5.85E-04	6.99E-05
1285	436721	3725211	6.08E-04	1.14E-04	5.85E-04	6.99E-05
1286	436721.3	3725202	6.07E-04	1.14E-04	5.84E-04	6.99E-05
1287	436721.7	3725192	6.07E-04	1.14E-04	5.84E-04	6.98E-05
1288	436724.6	3725115	6.04E-04	1.13E-04	5.80E-04	6.92E-05
1289	436724.9	3725106	6.06E-04	1.13E-04	5.82E-04	6.95E-05
1290	436725.3	3725096	6.08E-04	1.14E-04	5.85E-04	6.97E-05
1291	436725.6	3725087	6.11E-04	1.14E-04	5.87E-04	7.00E-05
1292	436751.6	3725716	6.67E-04	1.25E-04	6.43E-04	7.71E-05
1293	436746.4	3725707	6.64E-04	1.25E-04	6.40E-04	7.68E-05
1294	436741.2	3725699	6.61E-04	1.24E-04	6.37E-04	7.64E-05

1295	436736	3725691	6.55E-04	1.23E-04	6.32E-04	7.58E-05
1296	436730.9	3725683	6.49E-04	1.22E-04	6.26E-04	7.50E-05
1297	436725.7	3725675	6.43E-04	1.21E-04	6.19E-04	7.42E-05
1298	436720.5	3725667	6.35E-04	1.19E-04	6.12E-04	7.33E-05
1299	436715.4	3725659	6.27E-04	1.18E-04	6.05E-04	7.25E-05
1300	436710.2	3725650	6.21E-04	1.17E-04	5.98E-04	7.17E-05
1301	436705	3725642	6.15E-04	1.16E-04	5.92E-04	7.10E-05
1302	436670.6	3725537	5.74E-04	1.08E-04	5.53E-04	6.61E-05
1303	436671	3725527	5.76E-04	1.08E-04	5.54E-04	6.63E-05
1304	436674.2	3725440	5.91E-04	1.11E-04	5.69E-04	6.80E-05
1305	436674.6	3725431	5.92E-04	1.11E-04	5.69E-04	6.81E-05
1306	436674.9	3725421	5.92E-04	1.11E-04	5.70E-04	6.81E-05
1307	436675.3	3725412	5.93E-04	1.11E-04	5.70E-04	6.82E-05
1308	436678.2	3725334	5.73E-04	1.07E-04	5.51E-04	6.58E-05
1309	436678.5	3725325	5.71E-04	1.07E-04	5.49E-04	6.56E-05
1310	436678.9	3725315	5.70E-04	1.07E-04	5.48E-04	6.54E-05
1311	436679.2	3725305	5.69E-04	1.07E-04	5.47E-04	6.53E-05
1312	436679.6	3725296	5.67E-04	1.06E-04	5.45E-04	6.51E-05
1313	436681.8	3725238	5.66E-04	1.06E-04	5.45E-04	6.50E-05
1314	436682.1	3725228	5.66E-04	1.06E-04	5.45E-04	6.50E-05
1315	436682.5	3725219	5.66E-04	1.06E-04	5.45E-04	6.50E-05
1316	436682.8	3725209	5.66E-04	1.06E-04	5.44E-04	6.50E-05
1317	436683.2	3725199	5.66E-04	1.06E-04	5.45E-04	6.50E-05
1318	436686.4	3725112	5.67E-04	1.06E-04	5.45E-04	6.50E-05
1319	436686.8	3725103	5.66E-04	1.06E-04	5.44E-04	6.48E-05
1320	436687.2	3725093	5.66E-04	1.06E-04	5.43E-04	6.47E-05
1321	436712.2	3725725	6.22E-04	1.17E-04	5.99E-04	7.17E-05
1322	436707.1	3725717	6.18E-04	1.16E-04	5.95E-04	7.13E-05
1323	436702	3725709	6.12E-04	1.15E-04	5.90E-04	7.06E-05
1324	436696.8	3725701	6.07E-04	1.14E-04	5.84E-04	7.00E-05
1325	436691.7	3725693	6.01E-04	1.13E-04	5.79E-04	6.93E-05
1326	436686.6	3725685	5.96E-04	1.12E-04	5.74E-04	6.87E-05
1327	436681.5	3725676	5.91E-04	1.11E-04	5.69E-04	6.81E-05
1328	436676.3	3725668	5.86E-04	1.10E-04	5.64E-04	6.75E-05
1329	436671.2	3725660	5.81E-04	1.09E-04	5.59E-04	6.69E-05
1330	436666.1	3725652	5.76E-04	1.08E-04	5.54E-04	6.63E-05
1331	436661	3725644	5.71E-04	1.07E-04	5.49E-04	6.57E-05
1332	436655.8	3725636	5.66E-04	1.06E-04	5.45E-04	6.51E-05
1333	436650.7	3725628	5.61E-04	1.05E-04	5.40E-04	6.46E-05
1334	436645.6	3725620	5.56E-04	1.04E-04	5.35E-04	6.40E-05
1335	436640.5	3725612	5.51E-04	1.03E-04	5.31E-04	6.34E-05
1336	436635.3	3725604	5.47E-04	1.02E-04	5.26E-04	6.29E-05
1337	436630.6	3725586	5.41E-04	1.01E-04	5.20E-04	6.22E-05
1338	436630.9	3725576	5.41E-04	1.01E-04	5.20E-04	6.21E-05
1339	436631.3	3725567	5.40E-04	1.01E-04	5.20E-04	6.21E-05
1340	436631.6	3725557	5.42E-04	1.02E-04	5.22E-04	6.23E-05
1341	436632	3725548	5.45E-04	1.02E-04	5.24E-04	6.26E-05
1342	436632.3	3725538	5.46E-04	1.02E-04	5.25E-04	6.27E-05
1343	436632.7	3725529	5.46E-04	1.02E-04	5.26E-04	6.28E-05
1344	436633.1	3725519	5.47E-04	1.03E-04	5.26E-04	6.29E-05
1345	436633.4	3725510	5.48E-04	1.03E-04	5.27E-04	6.30E-05
1346	436643.4	3725242	5.31E-04	9.93E-05	5.10E-04	6.08E-05

1347	437682.2	3725421	2.79E-01	4.79E-02	2.54E-01	2.74E-02
1348	437676	3725429	2.27E-01	3.94E-02	2.08E-01	2.28E-02
1349	437669.7	3725437	1.92E-01	3.40E-02	1.78E-01	2.00E-02
1350	437663.5	3725444	1.70E-01	3.07E-02	1.60E-01	1.84E-02
1351	437657.2	3725452	1.57E-01	2.91E-02	1.50E-01	1.77E-02
1352	437645.1	3725455	1.52E-01	2.91E-02	1.48E-01	1.81E-02
1353	437638.9	3725463	1.56E-01	3.07E-02	1.55E-01	1.95E-02
1354	437631.4	3725681	3.14E-02	6.42E-03	3.19E-02	4.19E-03
1355	437617.3	3725676	3.26E-02	6.73E-03	3.33E-02	4.40E-03
1356	437603.2	3725672	3.37E-02	6.99E-03	3.46E-02	4.59E-03
1357	437661	3725710	2.48E-02	4.98E-03	2.49E-02	3.20E-03
1358	437646.9	3725705	2.56E-02	5.17E-03	2.58E-02	3.34E-03
1359	437632.7	3725701	2.65E-02	5.39E-03	2.68E-02	3.50E-03
1360	437618.6	3725696	2.73E-02	5.59E-03	2.78E-02	3.65E-03
1361	437604.5	3725692	2.78E-02	5.74E-03	2.84E-02	3.76E-03
1362	437590.3	3725687	2.81E-02	5.83E-03	2.89E-02	3.83E-03
1363	437576.2	3725682	2.84E-02	5.92E-03	2.92E-02	3.90E-03
1364	437578	3725712	2.22E-02	4.57E-03	2.27E-02	2.99E-03
1365	437563.9	3725707	2.20E-02	4.56E-03	2.26E-02	2.99E-03
1366	437549.7	3725703	2.16E-02	4.48E-03	2.21E-02	2.94E-03
1367	437722	3725788	1.54E-02	2.99E-03	1.52E-02	1.88E-03
1368	437707.8	3725784	1.58E-02	3.08E-03	1.55E-02	1.94E-03
1369	437693.6	3725779	1.61E-02	3.16E-03	1.59E-02	2.00E-03
1370	437752.3	3725822	1.31E-02	2.52E-03	1.28E-02	1.57E-03
1371	437738.5	3725823	1.29E-02	2.49E-03	1.26E-02	1.56E-03
1372	437724.3	3725818	1.31E-02	2.53E-03	1.28E-02	1.59E-03
1373	437710	3725814	1.32E-02	2.57E-03	1.30E-02	1.62E-03
1374	437695.8	3725809	1.35E-02	2.63E-03	1.33E-02	1.66E-03
1375	437681.5	3725804	1.37E-02	2.69E-03	1.36E-02	1.71E-03
1376	437553.4	3725762	1.40E-02	2.86E-03	1.42E-02	1.86E-03
1377	437539.2	3725758	1.37E-02	2.80E-03	1.39E-02	1.82E-03
1378	437525	3725753	1.33E-02	2.73E-03	1.36E-02	1.78E-03
1379	437774.7	3725842	1.22E-02	2.33E-03	1.19E-02	1.45E-03
1380	437761.3	3725848	1.18E-02	2.25E-03	1.14E-02	1.40E-03
1381	437740.8	3725853	1.13E-02	2.18E-03	1.11E-02	1.36E-03
1382	437726.5	3725848	1.14E-02	2.20E-03	1.11E-02	1.38E-03
1383	437598.2	3725806	1.20E-02	2.40E-03	1.20E-02	1.54E-03
1384	437583.9	3725801	1.19E-02	2.40E-03	1.20E-02	1.55E-03
1385	437569.7	3725797	1.19E-02	2.39E-03	1.19E-02	1.54E-03
1386	437555.4	3725792	1.17E-02	2.36E-03	1.18E-02	1.53E-03
1387	437541.1	3725787	1.14E-02	2.32E-03	1.15E-02	1.50E-03
1388	437526.9	3725783	1.11E-02	2.26E-03	1.12E-02	1.46E-03
1389	437810.5	3725854	1.18E-02	2.23E-03	1.14E-02	1.37E-03
1390	437797.1	3725861	1.14E-02	2.16E-03	1.11E-02	1.34E-03
1391	437783.7	3725868	1.10E-02	2.10E-03	1.07E-02	1.31E-03
1392	437770.3	3725875	1.07E-02	2.04E-03	1.04E-02	1.27E-03
1393	437614.5	3725841	9.99E-03	1.98E-03	9.96E-03	1.27E-03
1394	437600.2	3725836	1.00E-02	1.99E-03	1.00E-02	1.28E-03
1395	437557.4	3725822	9.85E-03	1.98E-03	9.89E-03	1.27E-03
1396	437833	3725874	1.10E-02	2.07E-03	1.06E-02	1.27E-03
1397	437819.6	3725881	1.07E-02	2.02E-03	1.03E-02	1.25E-03
1398	437806.2	3725888	1.04E-02	1.97E-03	1.01E-02	1.22E-03

1399	437792.8	3725895	1.01E-02	1.92E-03	9.80E-03	1.19E-03
1400	437645.3	3725880	8.72E-03	1.71E-03	8.63E-03	1.08E-03
1401	437631	3725875	8.64E-03	1.70E-03	8.57E-03	1.08E-03
1402	437616.7	3725870	8.56E-03	1.69E-03	8.51E-03	1.08E-03
1403	437602.4	3725866	8.52E-03	1.69E-03	8.48E-03	1.08E-03
1404	437855.5	3725894	1.02E-02	1.90E-03	9.76E-03	1.17E-03
1405	437842.1	3725901	9.97E-03	1.87E-03	9.60E-03	1.15E-03
1406	437828.7	3725907	9.74E-03	1.84E-03	9.40E-03	1.13E-03
1407	437815.3	3725914	9.48E-03	1.79E-03	9.16E-03	1.11E-03
1408	437801.8	3725921	9.21E-03	1.75E-03	8.92E-03	1.08E-03
1409	437788.4	3725928	8.93E-03	1.70E-03	8.67E-03	1.05E-03
1410	437690.4	3725924	8.11E-03	1.57E-03	7.97E-03	9.90E-04
1411	437676.1	3725919	8.03E-03	1.56E-03	7.90E-03	9.84E-04
1412	437878.1	3725913	9.41E-03	1.76E-03	9.02E-03	1.08E-03
1413	437864.7	3725920	9.24E-03	1.73E-03	8.87E-03	1.06E-03
1414	437851.2	3725927	9.05E-03	1.70E-03	8.71E-03	1.04E-03
1415	437837.8	3725934	8.84E-03	1.66E-03	8.52E-03	1.03E-03
1416	437824.4	3725941	8.61E-03	1.63E-03	8.31E-03	1.00E-03
1417	437810.9	3725948	8.37E-03	1.59E-03	8.10E-03	9.81E-04
1418	437797.5	3725954	8.13E-03	1.54E-03	7.88E-03	9.57E-04
1419	437735.6	3725968	7.42E-03	1.43E-03	7.24E-03	8.90E-04
1420	437721.3	3725963	7.40E-03	1.42E-03	7.23E-03	8.91E-04
1421	437707	3725958	7.36E-03	1.42E-03	7.21E-03	8.91E-04
1422	437692.6	3725954	7.31E-03	1.41E-03	7.17E-03	8.88E-04
1423	437678.3	3725949	7.23E-03	1.40E-03	7.11E-03	8.83E-04
1424	437664	3725944	7.14E-03	1.39E-03	7.02E-03	8.74E-04
1425	437649.6	3725940	7.03E-03	1.37E-03	6.93E-03	8.65E-04
1426	437846.9	3725960	8.06E-03	1.52E-03	7.77E-03	9.34E-04
1427	437833.5	3725967	7.85E-03	1.48E-03	7.57E-03	9.13E-04
1428	437820	3725974	7.63E-03	1.44E-03	7.38E-03	8.92E-04
1429	437723.6	3725993	6.68E-03	1.28E-03	6.53E-03	8.02E-04
1430	437709.2	3725988	6.65E-03	1.28E-03	6.50E-03	8.01E-04
1431	437694.9	3725984	6.61E-03	1.28E-03	6.48E-03	8.00E-04
1432	437680.5	3725979	6.56E-03	1.27E-03	6.44E-03	7.97E-04
1433	437666.2	3725974	6.45E-03	1.25E-03	6.34E-03	7.87E-04
1434	437651.8	3725969	6.34E-03	1.23E-03	6.24E-03	7.76E-04
1435	437637.5	3725965	6.25E-03	1.22E-03	6.16E-03	7.67E-04
1436	437623.1	3725960	6.14E-03	1.20E-03	6.06E-03	7.57E-04
1437	437802.2	3726014	6.56E-03	1.24E-03	6.35E-03	7.70E-04
1438	437788.7	3726021	6.35E-03	1.21E-03	6.16E-03	7.49E-04
1439	437775.2	3726028	6.14E-03	1.17E-03	5.96E-03	7.26E-04
1440	437697.1	3726014	6.00E-03	1.16E-03	5.87E-03	7.24E-04
1441	437682.8	3726009	5.97E-03	1.15E-03	5.84E-03	7.22E-04
1442	437668.4	3726004	5.88E-03	1.14E-03	5.76E-03	7.13E-04
1443	437654	3725999	5.77E-03	1.12E-03	5.66E-03	7.02E-04
1444	437953.6	3725978	7.36E-03	1.36E-03	7.01E-03	8.28E-04
1445	437940.1	3725985	7.31E-03	1.36E-03	6.98E-03	8.26E-04
1446	437926.6	3725992	7.25E-03	1.35E-03	6.93E-03	8.23E-04
1447	437913.1	3725999	7.14E-03	1.33E-03	6.84E-03	8.14E-04
1448	437899.6	3726006	7.00E-03	1.31E-03	6.71E-03	8.01E-04
1449	437805.3	3726054	5.74E-03	1.09E-03	5.56E-03	6.73E-04
1450	437791.8	3726061	5.53E-03	1.05E-03	5.36E-03	6.51E-04

1451	437778.3	3726068	5.32E-03	1.01E-03	5.16E-03	6.28E-04
1452	437983.8	3726005	6.62E-03	1.22E-03	6.30E-03	7.42E-04
1453	437970.3	3726011	6.59E-03	1.22E-03	6.28E-03	7.41E-04
1454	437956.8	3726018	6.55E-03	1.21E-03	6.25E-03	7.39E-04
1455	437943.3	3726025	6.50E-03	1.21E-03	6.21E-03	7.37E-04
1456	437929.8	3726032	6.43E-03	1.20E-03	6.16E-03	7.32E-04
1457	437916.3	3726039	6.34E-03	1.18E-03	6.08E-03	7.25E-04
1458	437902.8	3726046	6.22E-03	1.16E-03	5.97E-03	7.13E-04
1459	437889.3	3726053	6.10E-03	1.14E-03	5.87E-03	7.02E-04
1460	438014.1	3726031	5.98E-03	1.10E-03	5.69E-03	6.68E-04
1461	438000.6	3726037	5.97E-03	1.10E-03	5.68E-03	6.69E-04
1462	437987	3726044	5.95E-03	1.10E-03	5.67E-03	6.69E-04
1463	437973.5	3726051	5.93E-03	1.10E-03	5.66E-03	6.69E-04
1464	437960	3726058	5.88E-03	1.09E-03	5.62E-03	6.66E-04
1465	437946.5	3726065	5.83E-03	1.08E-03	5.58E-03	6.62E-04
1466	437933	3726072	5.77E-03	1.08E-03	5.53E-03	6.58E-04
1467	437919.5	3726079	5.70E-03	1.07E-03	5.47E-03	6.52E-04
1468	437906	3726086	5.60E-03	1.05E-03	5.38E-03	6.43E-04
1469	437677.4	3726124	3.91E-03	7.49E-04	3.81E-03	4.67E-04
1470	437663	3726119	3.86E-03	7.41E-04	3.77E-03	4.62E-04
1471	437648.6	3726114	3.82E-03	7.33E-04	3.73E-03	4.58E-04
1472	437634.2	3726109	3.76E-03	7.23E-04	3.67E-03	4.52E-04
1473	438044.3	3726057	5.44E-03	1.00E-03	5.17E-03	6.06E-04
1474	438030.8	3726063	5.42E-03	9.99E-04	5.16E-03	6.06E-04
1475	438017.3	3726070	5.41E-03	9.99E-04	5.15E-03	6.06E-04
1476	438003.8	3726077	5.39E-03	9.98E-04	5.14E-03	6.06E-04
1477	437990.3	3726084	5.38E-03	9.97E-04	5.13E-03	6.07E-04
1478	437976.8	3726091	5.36E-03	9.94E-04	5.12E-03	6.06E-04
1479	437963.3	3726098	5.31E-03	9.88E-04	5.08E-03	6.03E-04
1480	437949.7	3726105	5.27E-03	9.82E-04	5.05E-03	6.00E-04
1481	437936.2	3726112	5.21E-03	9.72E-04	4.99E-03	5.95E-04
1482	437922.7	3726119	5.14E-03	9.60E-04	4.93E-03	5.88E-04
1483	437909.2	3726125	5.06E-03	9.47E-04	4.86E-03	5.81E-04
1484	437895.7	3726132	4.97E-03	9.32E-04	4.78E-03	5.72E-04
1485	437882.2	3726139	4.86E-03	9.14E-04	4.68E-03	5.62E-04
1486	437666	3726159	3.54E-03	6.78E-04	3.45E-03	4.22E-04
1487	437651.6	3726154	3.48E-03	6.65E-04	3.39E-03	4.15E-04
1488	437637.1	3726149	3.41E-03	6.54E-04	3.33E-03	4.08E-04
1489	437622.7	3726145	3.35E-03	6.43E-04	3.27E-03	4.01E-04
1490	438074.6	3726083	5.08E-03	9.34E-04	4.83E-03	5.65E-04
1491	438061.1	3726089	5.04E-03	9.27E-04	4.79E-03	5.61E-04
1492	438047.6	3726096	4.99E-03	9.20E-04	4.74E-03	5.57E-04
1493	438034.1	3726103	4.95E-03	9.14E-04	4.71E-03	5.55E-04
1494	438020.5	3726110	4.93E-03	9.12E-04	4.70E-03	5.54E-04
1495	438007	3726117	4.91E-03	9.09E-04	4.68E-03	5.53E-04
1496	437993.5	3726124	4.89E-03	9.07E-04	4.67E-03	5.52E-04
1497	437980	3726131	4.86E-03	9.03E-04	4.65E-03	5.51E-04
1498	437966.4	3726138	4.82E-03	8.98E-04	4.62E-03	5.49E-04
1499	437952.9	3726145	4.78E-03	8.92E-04	4.58E-03	5.45E-04
1500	437939.4	3726151	4.73E-03	8.83E-04	4.53E-03	5.40E-04
1501	437925.9	3726158	4.66E-03	8.72E-04	4.48E-03	5.34E-04
1502	437912.4	3726165	4.59E-03	8.59E-04	4.41E-03	5.27E-04

1503	437898.8	3726172	4.50E-03	8.44E-04	4.33E-03	5.18E-04
1504	437885.3	3726179	4.40E-03	8.27E-04	4.24E-03	5.08E-04
1505	437871.8	3726186	4.30E-03	8.09E-04	4.14E-03	4.98E-04
1506	437858.3	3726193	4.20E-03	7.92E-04	4.05E-03	4.87E-04
1507	437844.7	3726200	4.10E-03	7.72E-04	3.95E-03	4.76E-04
1508	437831.2	3726207	3.99E-03	7.52E-04	3.85E-03	4.64E-04
1509	437817.7	3726213	3.87E-03	7.31E-04	3.74E-03	4.51E-04
1510	437611.3	3726180	3.02E-03	5.79E-04	2.95E-03	3.61E-04
1511	437596.9	3726175	2.98E-03	5.70E-04	2.90E-03	3.56E-04
1512	437582.4	3726170	2.93E-03	5.63E-04	2.86E-03	3.51E-04
1513	438348.6	3725984	4.07E-03	7.34E-04	3.82E-03	4.38E-04
1514	438094.5	3726114	4.73E-03	8.70E-04	4.49E-03	5.26E-04
1515	438081.1	3726121	4.69E-03	8.64E-04	4.46E-03	5.23E-04
1516	438067.7	3726128	4.65E-03	8.57E-04	4.42E-03	5.19E-04
1517	438054.4	3726134	4.60E-03	8.50E-04	4.38E-03	5.16E-04
1518	438041	3726141	4.55E-03	8.41E-04	4.34E-03	5.11E-04
1519	438027.6	3726148	4.52E-03	8.37E-04	4.31E-03	5.09E-04
1520	438014.2	3726155	4.49E-03	8.32E-04	4.29E-03	5.07E-04
1521	438000.9	3726162	4.47E-03	8.29E-04	4.27E-03	5.05E-04
1522	437987.5	3726168	4.44E-03	8.26E-04	4.25E-03	5.04E-04
1523	437974.1	3726175	4.41E-03	8.22E-04	4.22E-03	5.02E-04
1524	437960.7	3726182	4.37E-03	8.15E-04	4.19E-03	4.98E-04
1525	437947.4	3726189	4.33E-03	8.08E-04	4.15E-03	4.94E-04
1526	437934	3726196	4.27E-03	7.99E-04	4.10E-03	4.89E-04
1527	437920.6	3726202	4.21E-03	7.88E-04	4.04E-03	4.83E-04
1528	437907.2	3726209	4.12E-03	7.73E-04	3.96E-03	4.74E-04
1529	437893.9	3726216	4.03E-03	7.56E-04	3.88E-03	4.64E-04
1530	437616.2	3726220	2.79E-03	5.33E-04	2.71E-03	3.31E-04
1531	437601.9	3726215	2.74E-03	5.24E-04	2.67E-03	3.26E-04
1532	437587.7	3726211	2.69E-03	5.15E-04	2.62E-03	3.21E-04
1533	437573.4	3726206	2.65E-03	5.08E-04	2.58E-03	3.16E-04
1534	437559.2	3726201	2.61E-03	4.99E-04	2.54E-03	3.11E-04
1535	438360.2	3725975	4.00E-03	7.21E-04	3.75E-03	4.30E-04
1536	438370	3725964	3.95E-03	7.12E-04	3.71E-03	4.24E-04
1537	438379	3726010	3.76E-03	6.79E-04	3.53E-03	4.05E-04
1538	438365.7	3726017	3.84E-03	6.93E-04	3.61E-03	4.14E-04
1539	438352.3	3726024	3.92E-03	7.09E-04	3.68E-03	4.23E-04
1540	438338.9	3726031	4.00E-03	7.23E-04	3.76E-03	4.32E-04
1541	438325.5	3726038	4.08E-03	7.38E-04	3.84E-03	4.41E-04
1542	438312.1	3726044	4.15E-03	7.52E-04	3.90E-03	4.49E-04
1543	438298.7	3726051	4.21E-03	7.62E-04	3.96E-03	4.56E-04
1544	438124.7	3726140	4.44E-03	8.15E-04	4.21E-03	4.93E-04
1545	438111.3	3726147	4.41E-03	8.11E-04	4.19E-03	4.90E-04
1546	438097.9	3726154	4.37E-03	8.05E-04	4.16E-03	4.87E-04
1547	438084.5	3726160	4.33E-03	7.98E-04	4.12E-03	4.84E-04
1548	438071.1	3726167	4.29E-03	7.91E-04	4.08E-03	4.80E-04
1549	438057.7	3726174	4.23E-03	7.82E-04	4.03E-03	4.75E-04
1550	438044.3	3726181	4.18E-03	7.74E-04	3.99E-03	4.70E-04
1551	438030.9	3726188	4.15E-03	7.69E-04	3.96E-03	4.68E-04
1552	438017.6	3726195	4.12E-03	7.65E-04	3.94E-03	4.66E-04
1553	438004.2	3726201	4.10E-03	7.62E-04	3.92E-03	4.64E-04
1554	437990.8	3726208	4.07E-03	7.57E-04	3.90E-03	4.62E-04

1555	437977.4	3726215	4.04E-03	7.53E-04	3.87E-03	4.60E-04
1556	437964	3726222	4.00E-03	7.46E-04	3.83E-03	4.56E-04
1557	437950.6	3726229	3.95E-03	7.38E-04	3.79E-03	4.52E-04
1558	437937.2	3726235	3.89E-03	7.28E-04	3.74E-03	4.46E-04
1559	437923.8	3726242	3.83E-03	7.18E-04	3.68E-03	4.40E-04
1560	437776.1	3726312	2.90E-03	5.47E-04	2.80E-03	3.38E-04
1561	437761.9	3726307	2.88E-03	5.45E-04	2.79E-03	3.37E-04
1562	437747.6	3726302	2.87E-03	5.43E-04	2.77E-03	3.35E-04
1563	437733.3	3726298	2.85E-03	5.40E-04	2.76E-03	3.34E-04
1564	437604.8	3726255	2.55E-03	4.86E-04	2.48E-03	3.02E-04
1565	438409.5	3726036	3.51E-03	6.34E-04	3.30E-03	3.78E-04
1566	438396.1	3726043	3.59E-03	6.48E-04	3.37E-03	3.87E-04
1567	438382.7	3726050	3.65E-03	6.60E-04	3.43E-03	3.94E-04
1568	438369.3	3726057	3.72E-03	6.72E-04	3.49E-03	4.01E-04
1569	438355.9	3726064	3.78E-03	6.84E-04	3.55E-03	4.09E-04
1570	438342.5	3726070	3.85E-03	6.96E-04	3.62E-03	4.16E-04
1571	438329.1	3726077	3.90E-03	7.07E-04	3.67E-03	4.23E-04
1572	438315.7	3726084	3.95E-03	7.16E-04	3.72E-03	4.28E-04
1573	438302.3	3726091	3.99E-03	7.25E-04	3.76E-03	4.34E-04
1574	438288.9	3726098	4.04E-03	7.33E-04	3.80E-03	4.39E-04
1575	438275.5	3726105	4.07E-03	7.40E-04	3.84E-03	4.44E-04
1576	438262.1	3726111	4.11E-03	7.47E-04	3.87E-03	4.48E-04
1577	438248.7	3726118	4.13E-03	7.52E-04	3.90E-03	4.51E-04
1578	438235.3	3726125	4.15E-03	7.56E-04	3.92E-03	4.54E-04
1579	438128.1	3726180	4.08E-03	7.51E-04	3.88E-03	4.54E-04
1580	438114.7	3726187	4.06E-03	7.46E-04	3.85E-03	4.52E-04
1581	438101.3	3726193	4.03E-03	7.42E-04	3.83E-03	4.50E-04
1582	438087.9	3726200	3.98E-03	7.35E-04	3.79E-03	4.46E-04
1583	438074.5	3726207	3.94E-03	7.27E-04	3.75E-03	4.42E-04
1584	438061.1	3726214	3.90E-03	7.21E-04	3.72E-03	4.38E-04
1585	438047.7	3726221	3.87E-03	7.16E-04	3.69E-03	4.36E-04
1586	438034.3	3726227	3.84E-03	7.12E-04	3.67E-03	4.34E-04
1587	438020.9	3726234	3.81E-03	7.07E-04	3.64E-03	4.31E-04
1588	438007.5	3726241	3.78E-03	7.02E-04	3.61E-03	4.28E-04
1589	437994.1	3726248	3.74E-03	6.97E-04	3.58E-03	4.26E-04
1590	437980.7	3726255	3.71E-03	6.91E-04	3.55E-03	4.23E-04
1591	437967.3	3726262	3.67E-03	6.84E-04	3.51E-03	4.18E-04
1592	437953.9	3726268	3.62E-03	6.76E-04	3.47E-03	4.14E-04
1593	437940.5	3726275	3.56E-03	6.66E-04	3.42E-03	4.08E-04
1594	437927.1	3726282	3.49E-03	6.54E-04	3.36E-03	4.01E-04
1595	437913.7	3726289	3.42E-03	6.41E-04	3.29E-03	3.93E-04
1596	437873.4	3726309	3.17E-03	5.95E-04	3.05E-03	3.66E-04
1597	437860	3726316	3.09E-03	5.81E-04	2.97E-03	3.57E-04
1598	437846.6	3726323	3.01E-03	5.67E-04	2.91E-03	3.49E-04
1599	437806.4	3726344	2.78E-03	5.24E-04	2.68E-03	3.23E-04
1600	437793	3726350	2.70E-03	5.10E-04	2.61E-03	3.14E-04
1601	437779.2	3726351	2.66E-03	5.02E-04	2.57E-03	3.10E-04
1602	437764.9	3726347	2.64E-03	4.99E-04	2.55E-03	3.08E-04
1603	437750.6	3726342	2.63E-03	4.96E-04	2.54E-03	3.06E-04
1604	437736.3	3726337	2.61E-03	4.93E-04	2.52E-03	3.05E-04
1605	437722	3726333	2.58E-03	4.89E-04	2.50E-03	3.02E-04
1606	437707.7	3726328	2.56E-03	4.85E-04	2.48E-03	3.00E-04

1607	437693.5	3726323	2.53E-03	4.80E-04	2.45E-03	2.97E-04
1608	438421.1	3726027	3.46E-03	6.24E-04	3.25E-03	3.72E-04
1609	438431	3726016	3.42E-03	6.17E-04	3.21E-03	3.68E-04
1610	437863.2	3726356	2.85E-03	5.36E-04	2.74E-03	3.29E-04
1611	437849.8	3726363	2.78E-03	5.22E-04	2.68E-03	3.21E-04
1612	437836.4	3726370	2.71E-03	5.10E-04	2.61E-03	3.14E-04
1613	437822.9	3726377	2.65E-03	4.98E-04	2.55E-03	3.07E-04
1614	437809.5	3726383	2.59E-03	4.87E-04	2.49E-03	3.00E-04
1615	437796.1	3726390	2.53E-03	4.76E-04	2.44E-03	2.93E-04
1616	437782.3	3726391	2.49E-03	4.70E-04	2.40E-03	2.89E-04
1617	437768	3726387	2.47E-03	4.67E-04	2.39E-03	2.88E-04
1618	437753.7	3726382	2.45E-03	4.62E-04	2.36E-03	2.85E-04
1619	437739.4	3726377	2.42E-03	4.57E-04	2.34E-03	2.82E-04
1620	437725.1	3726373	2.39E-03	4.53E-04	2.31E-03	2.79E-04
1621	437710.8	3726368	2.37E-03	4.48E-04	2.29E-03	2.77E-04
1622	437696.4	3726363	2.34E-03	4.43E-04	2.27E-03	2.74E-04
1623	437682.1	3726358	2.31E-03	4.38E-04	2.24E-03	2.71E-04
1624	437667.8	3726354	2.30E-03	4.36E-04	2.23E-03	2.69E-04
1625	438461.4	3726041	3.20E-03	5.78E-04	3.00E-03	3.45E-04
1626	437799.2	3726430	2.37E-03	4.47E-04	2.29E-03	2.75E-04
1627	437785.3	3726431	2.35E-03	4.42E-04	2.26E-03	2.72E-04
1628	437771	3726427	2.34E-03	4.41E-04	2.26E-03	2.71E-04
1629	437756.7	3726422	2.31E-03	4.36E-04	2.23E-03	2.69E-04
1630	437742.4	3726417	2.29E-03	4.31E-04	2.21E-03	2.66E-04
1631	437728.1	3726412	2.26E-03	4.27E-04	2.18E-03	2.63E-04
1632	437713.8	3726408	2.23E-03	4.22E-04	2.16E-03	2.60E-04
1633	437699.4	3726403	2.21E-03	4.18E-04	2.14E-03	2.58E-04
1634	437685.1	3726398	2.18E-03	4.13E-04	2.11E-03	2.55E-04
1635	437670.8	3726394	2.16E-03	4.09E-04	2.09E-03	2.53E-04
1636	437656.5	3726389	2.15E-03	4.07E-04	2.08E-03	2.52E-04
1637	437642.2	3726384	2.14E-03	4.05E-04	2.07E-03	2.51E-04
1638	437627.9	3726380	2.13E-03	4.04E-04	2.06E-03	2.50E-04
1639	437912.1	3725196	3.90E-02	6.69E-03	3.54E-02	3.83E-03
1640	437925.1	3725181	3.38E-02	5.81E-03	3.08E-02	3.33E-03
1641	437944.6	3725158	2.75E-02	4.75E-03	2.51E-02	2.74E-03
1642	438044.9	3725105	1.41E-02	2.46E-03	1.30E-02	1.43E-03
1643	438051.5	3725118	1.44E-02	2.51E-03	1.32E-02	1.46E-03
1644	438058.2	3725131	1.46E-02	2.54E-03	1.34E-02	1.48E-03
1645	438064.5	3725082	1.20E-02	2.11E-03	1.11E-02	1.23E-03
1646	438071.1	3725095	1.23E-02	2.16E-03	1.13E-02	1.25E-03
1647	438077.8	3725108	1.25E-02	2.20E-03	1.16E-02	1.28E-03
1648	438084.4	3725121	1.27E-02	2.23E-03	1.17E-02	1.29E-03
1649	438117.6	3725186	1.29E-02	2.26E-03	1.19E-02	1.31E-03
1650	438124.2	3725199	1.28E-02	2.24E-03	1.18E-02	1.30E-03
1651	438084.1	3725059	1.04E-02	1.82E-03	9.58E-03	1.06E-03
1652	438090.7	3725072	1.06E-02	1.87E-03	9.81E-03	1.09E-03
1653	438097.4	3725085	1.09E-02	1.91E-03	1.00E-02	1.11E-03
1654	438104	3725098	1.10E-02	1.94E-03	1.02E-02	1.13E-03
1655	438130.7	3725151	1.14E-02	1.99E-03	1.05E-02	1.16E-03
1656	438137.3	3725164	1.14E-02	1.99E-03	1.05E-02	1.16E-03
1657	438144	3725177	1.13E-02	1.99E-03	1.04E-02	1.16E-03
1658	438150.6	3725190	1.12E-02	1.97E-03	1.04E-02	1.15E-03

1659	438157.3	3725203	1.11E-02	1.95E-03	1.02E-02	1.14E-03
1660	438163.9	3725216	1.09E-02	1.92E-03	1.01E-02	1.12E-03
1661	438117	3725063	9.45E-03	1.66E-03	8.73E-03	9.71E-04
1662	438123.7	3725076	9.63E-03	1.69E-03	8.89E-03	9.88E-04
1663	438150.3	3725128	1.00E-02	1.76E-03	9.24E-03	1.03E-03
1664	438157	3725141	1.00E-02	1.76E-03	9.24E-03	1.03E-03
1665	438163.7	3725155	1.00E-02	1.76E-03	9.24E-03	1.03E-03
1666	438170.3	3725168	1.00E-02	1.75E-03	9.22E-03	1.02E-03
1667	438177	3725181	9.93E-03	1.74E-03	9.16E-03	1.02E-03
1668	438183.7	3725194	9.82E-03	1.73E-03	9.07E-03	1.01E-03
1669	438190.3	3725207	9.70E-03	1.70E-03	8.95E-03	9.96E-04
1670	438190	3725145	8.94E-03	1.57E-03	8.26E-03	9.19E-04
1671	438196.7	3725158	8.89E-03	1.56E-03	8.22E-03	9.14E-04
1672	438203.4	3725172	8.81E-03	1.55E-03	8.14E-03	9.06E-04
1673	438210.1	3725185	8.71E-03	1.53E-03	8.05E-03	8.96E-04
1674	438243.5	3725251	8.06E-03	1.42E-03	7.46E-03	8.33E-04
1675	438250.1	3725264	7.90E-03	1.40E-03	7.32E-03	8.18E-04
1676	438261	3725224	7.42E-03	1.31E-03	6.87E-03	7.68E-04
1677	438267.6	3725237	7.28E-03	1.29E-03	6.74E-03	7.55E-04
1678	438274.2	3725250	7.16E-03	1.27E-03	6.64E-03	7.43E-04
1679	438280.8	3725263	7.04E-03	1.25E-03	6.53E-03	7.32E-04
1680	438287.4	3725276	6.90E-03	1.22E-03	6.40E-03	7.18E-04
1681	438294	3725289	6.78E-03	1.20E-03	6.29E-03	7.06E-04
1682	438155.4	3724934	5.14E-03	9.15E-04	4.79E-03	5.40E-04
1683	438175.2	3724973	5.86E-03	1.04E-03	5.44E-03	6.11E-04
1684	438181.8	3724986	6.10E-03	1.08E-03	5.67E-03	6.35E-04
1685	438188.4	3724999	6.33E-03	1.12E-03	5.87E-03	6.58E-04
1686	438195	3725012	6.47E-03	1.15E-03	6.00E-03	6.72E-04
1687	438201.6	3725025	6.61E-03	1.17E-03	6.12E-03	6.85E-04
1688	438208.2	3725038	6.71E-03	1.19E-03	6.22E-03	6.96E-04
1689	438214.9	3725051	6.80E-03	1.20E-03	6.29E-03	7.04E-04
1690	438307.3	3725233	6.23E-03	1.10E-03	5.78E-03	6.49E-04
1691	438313.9	3725246	6.12E-03	1.08E-03	5.68E-03	6.38E-04
1692	438360.2	3725337	5.48E-03	9.75E-04	5.10E-03	5.75E-04
1693	438366.8	3725350	5.40E-03	9.61E-04	5.02E-03	5.67E-04
1694	438146.5	3724923	5.03E-03	8.97E-04	4.69E-03	5.29E-04
1695	438221.2	3724982	5.48E-03	9.72E-04	5.09E-03	5.72E-04
1696	438227.8	3724995	5.65E-03	1.00E-03	5.25E-03	5.89E-04
1697	438234.4	3725008	5.75E-03	1.02E-03	5.34E-03	5.99E-04
1698	438241.1	3725021	5.85E-03	1.04E-03	5.43E-03	6.09E-04
1699	438247.7	3725034	5.94E-03	1.05E-03	5.50E-03	6.17E-04
1700	438254.3	3725047	6.00E-03	1.06E-03	5.56E-03	6.23E-04
1701	438260.9	3725060	6.07E-03	1.07E-03	5.63E-03	6.30E-04
1702	438280.8	3725099	6.15E-03	1.09E-03	5.71E-03	6.39E-04
1703	438287.4	3725113	6.14E-03	1.09E-03	5.69E-03	6.38E-04
1704	438294	3725126	6.11E-03	1.08E-03	5.66E-03	6.35E-04
1705	438386.7	3725308	4.90E-03	8.74E-04	4.57E-03	5.16E-04
1706	438393.4	3725321	4.87E-03	8.67E-04	4.53E-03	5.12E-04
1707	438400	3725334	4.81E-03	8.58E-04	4.48E-03	5.07E-04
1708	438406.6	3725347	4.74E-03	8.46E-04	4.42E-03	5.00E-04
1709	438411	3725367	4.70E-03	8.39E-04	4.38E-03	4.96E-04
1710	438406.5	3725381	4.77E-03	8.52E-04	4.45E-03	5.04E-04

1711	438172.6	3724893	4.32E-03	7.73E-04	4.04E-03	4.57E-04
1712	438267.3	3724991	4.97E-03	8.83E-04	4.62E-03	5.19E-04
1713	438273.9	3725004	5.07E-03	9.00E-04	4.71E-03	5.29E-04
1714	438280.5	3725017	5.16E-03	9.15E-04	4.79E-03	5.38E-04
1715	438287.2	3725030	5.25E-03	9.31E-04	4.87E-03	5.47E-04
1716	438293.8	3725043	5.33E-03	9.44E-04	4.95E-03	5.55E-04
1717	438307.1	3725070	5.43E-03	9.62E-04	5.04E-03	5.65E-04
1718	438313.7	3725083	5.44E-03	9.64E-04	5.05E-03	5.67E-04
1719	438320.4	3725096	5.44E-03	9.63E-04	5.05E-03	5.66E-04
1720	438327	3725109	5.41E-03	9.59E-04	5.02E-03	5.64E-04
1721	438333.6	3725122	5.37E-03	9.53E-04	4.99E-03	5.60E-04
1722	438340.3	3725135	5.32E-03	9.44E-04	4.94E-03	5.55E-04
1723	438346.9	3725148	5.27E-03	9.35E-04	4.89E-03	5.50E-04
1724	438353.6	3725161	5.20E-03	9.23E-04	4.83E-03	5.44E-04
1725	438360.2	3725174	5.13E-03	9.11E-04	4.77E-03	5.36E-04
1726	438366.8	3725187	5.05E-03	8.98E-04	4.70E-03	5.29E-04
1727	438450.9	3725364	4.18E-03	7.48E-04	3.90E-03	4.43E-04
1728	438446.3	3725378	4.24E-03	7.58E-04	3.96E-03	4.49E-04
1729	438441.8	3725392	4.29E-03	7.67E-04	4.01E-03	4.54E-04
1730	438437.3	3725406	4.34E-03	7.76E-04	4.05E-03	4.59E-04
1731	438432.8	3725420	4.39E-03	7.85E-04	4.09E-03	4.64E-04
1732	438340	3725053	4.81E-03	8.55E-04	4.47E-03	5.03E-04
1733	438346.7	3725066	4.83E-03	8.58E-04	4.49E-03	5.05E-04
1734	438353.3	3725079	4.83E-03	8.58E-04	4.49E-03	5.05E-04
1735	438360	3725092	4.82E-03	8.57E-04	4.48E-03	5.04E-04
1736	438366.6	3725105	4.80E-03	8.53E-04	4.46E-03	5.02E-04
1737	438373.3	3725118	4.77E-03	8.48E-04	4.44E-03	4.99E-04
1738	438379.9	3725131	4.73E-03	8.41E-04	4.40E-03	4.95E-04
1739	438386.6	3725144	4.69E-03	8.34E-04	4.36E-03	4.91E-04
1740	438393.2	3725158	4.63E-03	8.24E-04	4.31E-03	4.86E-04
1741	438399.9	3725171	4.57E-03	8.13E-04	4.25E-03	4.79E-04
1742	438406.5	3725184	4.50E-03	8.01E-04	4.19E-03	4.73E-04
1743	438413.2	3725197	4.43E-03	7.90E-04	4.13E-03	4.66E-04
1744	438419.8	3725210	4.36E-03	7.77E-04	4.06E-03	4.59E-04
1745	438426.5	3725223	4.29E-03	7.64E-04	3.99E-03	4.51E-04
1746	438433.1	3725236	4.22E-03	7.52E-04	3.93E-03	4.44E-04
1747	438439.8	3725249	4.13E-03	7.37E-04	3.85E-03	4.36E-04
1748	438446.4	3725262	4.04E-03	7.21E-04	3.77E-03	4.27E-04
1749	438477.1	3725403	3.89E-03	6.96E-04	3.63E-03	4.13E-04
1750	438472.6	3725417	3.93E-03	7.03E-04	3.67E-03	4.17E-04
1751	438468.1	3725431	3.96E-03	7.10E-04	3.70E-03	4.21E-04
1752	438463.5	3725445	4.00E-03	7.16E-04	3.73E-03	4.24E-04
1753	438379.6	3725049	4.31E-03	7.66E-04	4.01E-03	4.52E-04
1754	438386.3	3725062	4.32E-03	7.68E-04	4.02E-03	4.53E-04
1755	438392.9	3725075	4.31E-03	7.67E-04	4.01E-03	4.52E-04
1756	438399.6	3725088	4.30E-03	7.65E-04	4.00E-03	4.51E-04
1757	438406.3	3725102	4.28E-03	7.62E-04	3.98E-03	4.49E-04
1758	438412.9	3725115	4.26E-03	7.58E-04	3.96E-03	4.47E-04
1759	438419.6	3725128	4.23E-03	7.52E-04	3.93E-03	4.44E-04
1760	438426.2	3725141	4.19E-03	7.45E-04	3.90E-03	4.40E-04
1761	438432.9	3725154	4.14E-03	7.37E-04	3.85E-03	4.35E-04
1762	438439.6	3725167	4.09E-03	7.29E-04	3.81E-03	4.31E-04

1763	438446.2	3725180	4.04E-03	7.20E-04	3.76E-03	4.25E-04
1764	438452.9	3725193	3.98E-03	7.10E-04	3.71E-03	4.20E-04
1765	438459.6	3725207	3.92E-03	7.00E-04	3.65E-03	4.13E-04
1766	438466.2	3725220	3.86E-03	6.89E-04	3.60E-03	4.08E-04
1767	438472.9	3725233	3.79E-03	6.76E-04	3.53E-03	4.00E-04
1768	438479.6	3725246	3.70E-03	6.62E-04	3.45E-03	3.92E-04
1769	438486.2	3725259	3.62E-03	6.47E-04	3.38E-03	3.83E-04
1770	438492.9	3725272	3.56E-03	6.36E-04	3.32E-03	3.77E-04
1771	438499.5	3725285	3.51E-03	6.28E-04	3.28E-03	3.72E-04
1772	438506.2	3725298	3.46E-03	6.20E-04	3.23E-03	3.67E-04
1773	438512.9	3725312	3.42E-03	6.13E-04	3.20E-03	3.63E-04
1774	438519.5	3725325	3.37E-03	6.04E-04	3.15E-03	3.58E-04
1775	438526.2	3725338	3.34E-03	5.98E-04	3.12E-03	3.55E-04
1776	438507.9	3725428	3.57E-03	6.40E-04	3.33E-03	3.79E-04
1777	438503.4	3725442	3.61E-03	6.46E-04	3.37E-03	3.83E-04
1778	438498.8	3725456	3.64E-03	6.52E-04	3.40E-03	3.87E-04
1779	438494.3	3725470	3.67E-03	6.58E-04	3.43E-03	3.91E-04
1780	438412.5	3725032	3.88E-03	6.91E-04	3.61E-03	4.07E-04
1781	438419.2	3725045	3.89E-03	6.93E-04	3.62E-03	4.09E-04
1782	438425.9	3725059	3.90E-03	6.94E-04	3.63E-03	4.10E-04
1783	438432.6	3725072	3.89E-03	6.92E-04	3.62E-03	4.09E-04
1784	438439.2	3725085	3.87E-03	6.90E-04	3.60E-03	4.07E-04
1785	438445.9	3725098	3.85E-03	6.86E-04	3.59E-03	4.05E-04
1786	438452.6	3725111	3.83E-03	6.82E-04	3.56E-03	4.03E-04
1787	438459.3	3725124	3.80E-03	6.77E-04	3.54E-03	4.00E-04
1788	438465.9	3725137	3.77E-03	6.72E-04	3.51E-03	3.97E-04
1789	438472.6	3725151	3.73E-03	6.66E-04	3.48E-03	3.94E-04
1790	438479.3	3725164	3.69E-03	6.59E-04	3.44E-03	3.90E-04
1791	438486	3725177	3.65E-03	6.52E-04	3.40E-03	3.85E-04
1792	438492.6	3725190	3.62E-03	6.46E-04	3.37E-03	3.82E-04
1793	438499.3	3725203	3.58E-03	6.40E-04	3.34E-03	3.79E-04
1794	438506	3725216	3.51E-03	6.28E-04	3.28E-03	3.72E-04
1795	438512.7	3725229	3.44E-03	6.16E-04	3.21E-03	3.65E-04
1796	438519.3	3725243	3.38E-03	6.04E-04	3.15E-03	3.58E-04
1797	438526	3725256	3.32E-03	5.94E-04	3.10E-03	3.52E-04
1798	438532.7	3725269	3.26E-03	5.84E-04	3.04E-03	3.46E-04
1799	438539.4	3725282	3.19E-03	5.72E-04	2.98E-03	3.39E-04
1800	438546	3725295	3.12E-03	5.60E-04	2.92E-03	3.32E-04
1801	438552.7	3725308	3.08E-03	5.53E-04	2.88E-03	3.28E-04
1802	438559.4	3725322	3.04E-03	5.46E-04	2.85E-03	3.24E-04
1803	438566.1	3725335	3.01E-03	5.40E-04	2.81E-03	3.21E-04
1804	438570.5	3725355	3.00E-03	5.38E-04	2.81E-03	3.20E-04
1805	438565.9	3725369	3.05E-03	5.48E-04	2.86E-03	3.26E-04
1806	438561.4	3725383	3.11E-03	5.58E-04	2.91E-03	3.32E-04
1807	438534.1	3725467	3.33E-03	5.98E-04	3.12E-03	3.55E-04
1808	438529.6	3725481	3.36E-03	6.03E-04	3.14E-03	3.58E-04
1809	438525	3725495	3.40E-03	6.10E-04	3.18E-03	3.62E-04
1810	438520.5	3725509	3.43E-03	6.16E-04	3.21E-03	3.66E-04
1811	438379.5	3725944	3.96E-03	7.13E-04	3.71E-03	4.24E-04
1812	438452.2	3725029	3.52E-03	6.27E-04	3.28E-03	3.70E-04
1813	438458.8	3725042	3.52E-03	6.28E-04	3.28E-03	3.71E-04
1814	438465.5	3725055	3.51E-03	6.27E-04	3.28E-03	3.70E-04

1815	438472.2	3725068	3.50E-03	6.25E-04	3.26E-03	3.69E-04
1816	438478.9	3725081	3.48E-03	6.22E-04	3.25E-03	3.68E-04
1817	438485.6	3725095	3.46E-03	6.18E-04	3.23E-03	3.66E-04
1818	438492.3	3725108	3.44E-03	6.14E-04	3.21E-03	3.63E-04
1819	438499	3725121	3.42E-03	6.10E-04	3.19E-03	3.61E-04
1820	438505.6	3725134	3.40E-03	6.07E-04	3.17E-03	3.59E-04
1821	438512.3	3725147	3.38E-03	6.04E-04	3.15E-03	3.57E-04
1822	438519	3725160	3.34E-03	5.98E-04	3.12E-03	3.54E-04
1823	438525.7	3725174	3.31E-03	5.93E-04	3.09E-03	3.51E-04
1824	438532.4	3725187	3.29E-03	5.88E-04	3.07E-03	3.48E-04
1825	438539.1	3725200	3.25E-03	5.82E-04	3.04E-03	3.45E-04
1826	438545.8	3725213	3.21E-03	5.74E-04	2.99E-03	3.40E-04
1827	438552.5	3725226	3.16E-03	5.66E-04	2.95E-03	3.35E-04
1828	438559.1	3725239	3.11E-03	5.57E-04	2.90E-03	3.30E-04
1829	438565.8	3725253	3.05E-03	5.46E-04	2.85E-03	3.24E-04
1830	438572.5	3725266	2.99E-03	5.36E-04	2.79E-03	3.18E-04
1831	438579.2	3725279	2.92E-03	5.24E-04	2.73E-03	3.11E-04
1832	438585.9	3725292	2.86E-03	5.13E-04	2.68E-03	3.05E-04
1833	438592.6	3725305	2.81E-03	5.05E-04	2.63E-03	3.00E-04
1834	438599.3	3725318	2.77E-03	4.97E-04	2.59E-03	2.95E-04
1835	438605.9	3725332	2.72E-03	4.89E-04	2.55E-03	2.91E-04
1836	438610.3	3725352	2.71E-03	4.87E-04	2.53E-03	2.89E-04
1837	438605.8	3725366	2.76E-03	4.95E-04	2.58E-03	2.94E-04
1838	438601.2	3725380	2.81E-03	5.05E-04	2.63E-03	3.00E-04
1839	438596.7	3725394	2.86E-03	5.14E-04	2.68E-03	3.06E-04
1840	438592.1	3725408	2.91E-03	5.22E-04	2.72E-03	3.10E-04
1841	438560.3	3725506	3.12E-03	5.61E-04	2.92E-03	3.34E-04
1842	438555.7	3725520	3.15E-03	5.67E-04	2.95E-03	3.37E-04
1843	438551.1	3725534	3.19E-03	5.72E-04	2.98E-03	3.40E-04
1844	438490.2	3725022	3.19E-03	5.70E-04	2.98E-03	3.37E-04
1845	438496.8	3725035	3.18E-03	5.69E-04	2.97E-03	3.36E-04
1846	438503.4	3725048	3.17E-03	5.67E-04	2.96E-03	3.35E-04
1847	438510	3725061	3.16E-03	5.65E-04	2.95E-03	3.34E-04
1848	438516.7	3725074	3.15E-03	5.62E-04	2.94E-03	3.33E-04
1849	438523.3	3725087	3.13E-03	5.59E-04	2.92E-03	3.31E-04
1850	438529.9	3725100	3.12E-03	5.57E-04	2.91E-03	3.30E-04
1851	438536.5	3725113	3.10E-03	5.55E-04	2.90E-03	3.29E-04
1852	438543.2	3725126	3.09E-03	5.53E-04	2.89E-03	3.28E-04
1853	438549.8	3725139	3.08E-03	5.51E-04	2.87E-03	3.26E-04
1854	438556.4	3725152	3.06E-03	5.48E-04	2.86E-03	3.25E-04
1855	438563.1	3725165	3.05E-03	5.45E-04	2.84E-03	3.23E-04
1856	438569.7	3725178	3.03E-03	5.42E-04	2.83E-03	3.21E-04
1857	438576.3	3725191	2.99E-03	5.36E-04	2.79E-03	3.18E-04
1858	438582.9	3725205	2.96E-03	5.30E-04	2.76E-03	3.14E-04
1859	438589.6	3725218	2.91E-03	5.22E-04	2.72E-03	3.10E-04
1860	438596.2	3725231	2.87E-03	5.15E-04	2.68E-03	3.05E-04
1861	438602.8	3725244	2.82E-03	5.06E-04	2.64E-03	3.01E-04
1862	438609.4	3725257	2.77E-03	4.97E-04	2.59E-03	2.95E-04
1863	438616.1	3725270	2.72E-03	4.89E-04	2.55E-03	2.90E-04
1864	438622.7	3725283	2.67E-03	4.79E-04	2.50E-03	2.85E-04
1865	438629.3	3725296	2.61E-03	4.70E-04	2.45E-03	2.79E-04
1866	438635.9	3725309	2.57E-03	4.61E-04	2.40E-03	2.74E-04

1867	438642.6	3725322	2.52E-03	4.53E-04	2.36E-03	2.70E-04
1868	438649.2	3725335	2.49E-03	4.47E-04	2.33E-03	2.66E-04
1869	438650.2	3725349	2.48E-03	4.46E-04	2.32E-03	2.66E-04
1870	438645.7	3725362	2.51E-03	4.52E-04	2.35E-03	2.69E-04
1871	438641.2	3725376	2.55E-03	4.58E-04	2.39E-03	2.73E-04
1872	438636.7	3725390	2.59E-03	4.66E-04	2.43E-03	2.77E-04
1873	438632.2	3725404	2.64E-03	4.75E-04	2.48E-03	2.83E-04
1874	438627.7	3725418	2.69E-03	4.84E-04	2.52E-03	2.88E-04
1875	438623.2	3725432	2.72E-03	4.90E-04	2.55E-03	2.91E-04
1876	438618.7	3725446	2.75E-03	4.95E-04	2.58E-03	2.95E-04
1877	438587.1	3725543	2.93E-03	5.28E-04	2.75E-03	3.14E-04
1878	438582.6	3725557	2.96E-03	5.32E-04	2.77E-03	3.16E-04
1879	438578	3725571	2.98E-03	5.36E-04	2.79E-03	3.19E-04
1880	438438.1	3726003	3.41E-03	6.15E-04	3.20E-03	3.66E-04
1881	438529.8	3725018	2.90E-03	5.19E-04	2.71E-03	3.08E-04
1882	438536.4	3725031	2.89E-03	5.18E-04	2.70E-03	3.07E-04
1883	438543	3725044	2.88E-03	5.16E-04	2.69E-03	3.05E-04
1884	438549.7	3725057	2.87E-03	5.14E-04	2.68E-03	3.04E-04
1885	438556.3	3725070	2.86E-03	5.11E-04	2.67E-03	3.03E-04
1886	438562.9	3725084	2.84E-03	5.09E-04	2.66E-03	3.02E-04
1887	438569.6	3725097	2.84E-03	5.08E-04	2.65E-03	3.01E-04
1888	438576.2	3725110	2.82E-03	5.06E-04	2.64E-03	3.00E-04
1889	438582.9	3725123	2.82E-03	5.04E-04	2.63E-03	2.99E-04
1890	438589.5	3725136	2.81E-03	5.03E-04	2.62E-03	2.98E-04
1891	438596.1	3725149	2.80E-03	5.01E-04	2.61E-03	2.97E-04
1892	438602.8	3725162	2.78E-03	4.99E-04	2.60E-03	2.96E-04
1893	438609.4	3725175	2.77E-03	4.97E-04	2.59E-03	2.95E-04
1894	438616	3725188	2.74E-03	4.92E-04	2.57E-03	2.92E-04
1895	438622.7	3725201	2.72E-03	4.88E-04	2.54E-03	2.90E-04
1896	438629.3	3725214	2.69E-03	4.82E-04	2.51E-03	2.86E-04
1897	438636	3725227	2.65E-03	4.76E-04	2.48E-03	2.82E-04
1898	438642.6	3725240	2.61E-03	4.69E-04	2.44E-03	2.78E-04
1899	438649.2	3725253	2.57E-03	4.61E-04	2.40E-03	2.74E-04
1900	438655.9	3725267	2.53E-03	4.54E-04	2.36E-03	2.70E-04
1901	438662.5	3725280	2.48E-03	4.45E-04	2.32E-03	2.65E-04
1902	438669.2	3725293	2.43E-03	4.37E-04	2.28E-03	2.60E-04
1903	438675.8	3725306	2.39E-03	4.30E-04	2.24E-03	2.56E-04
1904	438682.4	3725319	2.35E-03	4.23E-04	2.20E-03	2.52E-04
1905	438689.1	3725332	2.31E-03	4.16E-04	2.17E-03	2.48E-04
1906	438690.1	3725345	2.30E-03	4.15E-04	2.16E-03	2.47E-04
1907	438685.6	3725359	2.32E-03	4.18E-04	2.18E-03	2.49E-04
1908	438681.1	3725373	2.35E-03	4.24E-04	2.21E-03	2.52E-04
1909	438676.6	3725387	2.39E-03	4.30E-04	2.24E-03	2.56E-04
1910	438672	3725401	2.42E-03	4.36E-04	2.27E-03	2.60E-04
1911	438667.5	3725415	2.46E-03	4.43E-04	2.31E-03	2.64E-04
1912	438663	3725429	2.50E-03	4.51E-04	2.35E-03	2.68E-04
1913	438658.5	3725443	2.54E-03	4.58E-04	2.38E-03	2.72E-04
1914	438654	3725457	2.57E-03	4.62E-04	2.41E-03	2.75E-04
1915	438649.4	3725471	2.59E-03	4.66E-04	2.43E-03	2.78E-04
1916	438644.9	3725485	2.61E-03	4.70E-04	2.45E-03	2.80E-04
1917	438613.3	3725582	2.77E-03	4.98E-04	2.59E-03	2.96E-04
1918	438504.8	3725917	3.19E-03	5.74E-04	2.99E-03	3.42E-04

1919	438500.2	3725931	3.20E-03	5.76E-04	3.00E-03	3.43E-04
1920	438495.7	3725945	3.20E-03	5.77E-04	3.00E-03	3.44E-04
1921	438491.2	3725959	3.21E-03	5.78E-04	3.01E-03	3.44E-04
1922	438486.7	3725973	3.21E-03	5.78E-04	3.01E-03	3.45E-04
1923	438482.2	3725987	3.21E-03	5.78E-04	3.01E-03	3.45E-04
1924	438477.6	3726001	3.20E-03	5.77E-04	3.00E-03	3.44E-04
1925	438473.1	3726015	3.19E-03	5.76E-04	2.99E-03	3.43E-04
1926	438468.6	3726029	3.19E-03	5.75E-04	2.99E-03	3.43E-04
1927	438576	3725028	2.63E-03	4.72E-04	2.46E-03	2.80E-04
1928	438582.7	3725041	2.62E-03	4.70E-04	2.45E-03	2.79E-04
1929	438589.3	3725054	2.61E-03	4.67E-04	2.44E-03	2.77E-04
1930	438596	3725067	2.60E-03	4.66E-04	2.43E-03	2.76E-04
1931	438602.6	3725080	2.60E-03	4.65E-04	2.43E-03	2.76E-04
1932	438609.3	3725093	2.59E-03	4.65E-04	2.42E-03	2.76E-04
1933	438615.9	3725106	2.59E-03	4.64E-04	2.42E-03	2.75E-04
1934	438622.6	3725119	2.58E-03	4.62E-04	2.41E-03	2.74E-04
1935	438629.2	3725132	2.57E-03	4.61E-04	2.40E-03	2.73E-04
1936	438635.9	3725145	2.55E-03	4.58E-04	2.39E-03	2.72E-04
1937	438642.5	3725159	2.54E-03	4.56E-04	2.37E-03	2.71E-04
1938	438649.2	3725172	2.52E-03	4.53E-04	2.36E-03	2.69E-04
1939	438655.8	3725185	2.50E-03	4.50E-04	2.34E-03	2.67E-04
1940	438662.5	3725198	2.49E-03	4.48E-04	2.33E-03	2.66E-04
1941	438669.1	3725211	2.48E-03	4.45E-04	2.32E-03	2.64E-04
1942	438675.7	3725224	2.44E-03	4.39E-04	2.29E-03	2.61E-04
1943	438682.4	3725237	2.41E-03	4.34E-04	2.26E-03	2.58E-04
1944	438689	3725250	2.38E-03	4.27E-04	2.23E-03	2.54E-04
1945	438695.7	3725263	2.34E-03	4.22E-04	2.20E-03	2.51E-04
1946	438702.3	3725276	2.31E-03	4.15E-04	2.16E-03	2.47E-04
1947	438709	3725289	2.27E-03	4.09E-04	2.13E-03	2.43E-04
1948	438715.6	3725303	2.23E-03	4.02E-04	2.09E-03	2.39E-04
1949	438722.3	3725316	2.20E-03	3.97E-04	2.06E-03	2.36E-04
1950	438728.9	3725329	2.17E-03	3.91E-04	2.04E-03	2.33E-04
1951	438730	3725342	2.16E-03	3.90E-04	2.03E-03	2.32E-04
1952	438725.5	3725356	2.17E-03	3.91E-04	2.04E-03	2.33E-04
1953	438720.9	3725370	2.20E-03	3.96E-04	2.06E-03	2.36E-04
1954	438716.4	3725384	2.22E-03	4.00E-04	2.08E-03	2.38E-04
1955	438711.9	3725398	2.25E-03	4.05E-04	2.11E-03	2.41E-04
1956	438707.4	3725412	2.28E-03	4.11E-04	2.14E-03	2.45E-04
1957	438702.8	3725426	2.31E-03	4.16E-04	2.17E-03	2.48E-04
1958	438698.3	3725440	2.34E-03	4.22E-04	2.20E-03	2.52E-04
1959	438693.8	3725454	2.37E-03	4.28E-04	2.23E-03	2.55E-04
1960	438689.2	3725468	2.40E-03	4.32E-04	2.25E-03	2.57E-04
1961	438684.7	3725482	2.42E-03	4.36E-04	2.27E-03	2.60E-04
1962	438680.2	3725496	2.44E-03	4.40E-04	2.29E-03	2.62E-04
1963	438675.7	3725510	2.46E-03	4.43E-04	2.31E-03	2.64E-04
1964	438671.1	3725524	2.48E-03	4.46E-04	2.32E-03	2.66E-04
1965	438666.6	3725538	2.49E-03	4.49E-04	2.34E-03	2.68E-04
1966	438594.2	3725761	2.78E-03	5.01E-04	2.61E-03	2.98E-04
1967	438589.6	3725775	2.80E-03	5.04E-04	2.62E-03	3.00E-04
1968	438557.9	3725873	2.91E-03	5.25E-04	2.73E-03	3.12E-04
1969	438553.4	3725887	2.93E-03	5.27E-04	2.75E-03	3.14E-04
1970	438548.9	3725901	2.94E-03	5.30E-04	2.76E-03	3.16E-04

1971	438544.3	3725915	2.96E-03	5.33E-04	2.77E-03	3.17E-04
1972	438539.8	3725929	2.97E-03	5.35E-04	2.79E-03	3.19E-04
1973	438535.3	3725943	2.98E-03	5.37E-04	2.80E-03	3.20E-04
1974	438530.8	3725957	2.99E-03	5.39E-04	2.80E-03	3.21E-04
1975	438526.2	3725971	3.00E-03	5.41E-04	2.81E-03	3.22E-04
1976	438521.7	3725985	3.01E-03	5.42E-04	2.82E-03	3.23E-04
1977	438517.2	3725999	3.00E-03	5.42E-04	2.82E-03	3.23E-04
1978	438512.6	3726013	3.00E-03	5.41E-04	2.81E-03	3.22E-04
1979	438476.5	3725934	3.34E-03	6.01E-04	3.13E-03	3.58E-04
1980	438497.2	3725973	3.15E-03	5.68E-04	2.96E-03	3.38E-04
1981	438502.7	3725966	3.13E-03	5.64E-04	2.94E-03	3.36E-04
1982	438508.3	3725959	3.11E-03	5.61E-04	2.92E-03	3.34E-04
1983	438529	3725998	2.95E-03	5.32E-04	2.77E-03	3.17E-04
1984	438534.5	3725990	2.93E-03	5.29E-04	2.75E-03	3.15E-04
1985	438540	3725983	2.91E-03	5.25E-04	2.73E-03	3.13E-04
1986	438532.4	3725523	3.33E-03	5.98E-04	3.11E-03	3.55E-04
1987	438566.5	3725547	3.07E-03	5.52E-04	2.87E-03	3.28E-04
1988	438571.6	3725531	3.04E-03	5.47E-04	2.85E-03	3.25E-04
1989	438598.9	3725570	2.85E-03	5.14E-04	2.67E-03	3.06E-04
1990	438592	3725585	2.89E-03	5.20E-04	2.71E-03	3.09E-04
1991	438684.2	3725571	2.40E-03	4.33E-04	2.25E-03	2.58E-04
1992	438539.3	3725890	3.01E-03	5.42E-04	2.82E-03	3.22E-04
1993	438532.4	3725906	3.04E-03	5.47E-04	2.85E-03	3.25E-04
1994	438525.5	3725921	3.06E-03	5.52E-04	2.87E-03	3.28E-04
1995	438518.6	3725936	3.08E-03	5.56E-04	2.89E-03	3.31E-04
1996	438689.3	3725555	2.38E-03	4.29E-04	2.23E-03	2.56E-04
1997	438723.4	3725578	2.22E-03	4.01E-04	2.09E-03	2.39E-04
1998	438716.5	3725594	2.25E-03	4.06E-04	2.11E-03	2.42E-04
1999	438709.6	3725609	2.28E-03	4.11E-04	2.14E-03	2.45E-04
2000	438702.6	3725624	2.30E-03	4.16E-04	2.16E-03	2.48E-04
2001	438661.1	3725716	2.47E-03	4.45E-04	2.31E-03	2.65E-04
2002	438640.4	3725762	2.54E-03	4.58E-04	2.38E-03	2.73E-04
2003	438633.4	3725777	2.57E-03	4.63E-04	2.41E-03	2.76E-04
2004	438626.5	3725792	2.59E-03	4.68E-04	2.43E-03	2.79E-04
2005	438619.6	3725808	2.62E-03	4.72E-04	2.46E-03	2.81E-04
2006	438612.7	3725823	2.65E-03	4.77E-04	2.48E-03	2.84E-04
2007	438605.8	3725838	2.67E-03	4.82E-04	2.51E-03	2.87E-04
2008	438598.8	3725853	2.70E-03	4.86E-04	2.53E-03	2.90E-04
2009	438591.9	3725869	2.73E-03	4.92E-04	2.56E-03	2.93E-04
2010	438585	3725884	2.76E-03	4.97E-04	2.59E-03	2.96E-04
2011	438578.1	3725899	2.79E-03	5.03E-04	2.62E-03	2.99E-04
2012	438571.2	3725914	2.82E-03	5.07E-04	2.64E-03	3.02E-04
2013	438564.2	3725930	2.84E-03	5.12E-04	2.66E-03	3.05E-04
2014	438557.3	3725945	2.86E-03	5.16E-04	2.68E-03	3.07E-04
2015	438550.4	3725960	2.88E-03	5.20E-04	2.71E-03	3.10E-04
2016	438728.5	3725563	2.21E-03	3.98E-04	2.07E-03	2.37E-04
2017	438498.3	3725488	3.63E-03	6.51E-04	3.39E-03	3.86E-04
2018	438502.3	3725464	3.60E-03	6.46E-04	3.37E-03	3.83E-04
2019	438537.7	3725495	3.29E-03	5.92E-04	3.08E-03	3.51E-04
2020	438535.3	3725508	3.31E-03	5.95E-04	3.10E-03	3.53E-04
2021	438540.4	3725479	3.28E-03	5.88E-04	3.07E-03	3.49E-04
2022	438658.8	3725499	2.54E-03	4.58E-04	2.38E-03	2.73E-04

2023	438661.6	3725482	2.53E-03	4.56E-04	2.37E-03	2.71E-04
2024	438695.4	3725522	2.36E-03	4.26E-04	2.22E-03	2.54E-04
2025	438692.4	3725538	2.37E-03	4.28E-04	2.23E-03	2.55E-04
2026	438698.3	3725505	2.35E-03	4.24E-04	2.21E-03	2.53E-04
2027	438701	3725488	2.35E-03	4.23E-04	2.20E-03	2.52E-04
2028	438735.1	3725527	2.19E-03	3.96E-04	2.06E-03	2.36E-04
2029	438732.6	3725541	2.20E-03	3.97E-04	2.06E-03	2.37E-04
2030	438737.7	3725512	2.19E-03	3.94E-04	2.05E-03	2.35E-04
2031	438740.5	3725495	2.18E-03	3.93E-04	2.04E-03	2.34E-04
2032	437801.1	3725247	1.40E-01	2.35E-02	1.26E-01	1.33E-02
2033	437796.7	3725239	1.37E-01	2.30E-02	1.23E-01	1.30E-02
2034	437815	3725258	1.26E-01	2.12E-02	1.13E-01	1.20E-02
2035	437809.9	3725243	1.20E-01	2.02E-02	1.08E-01	1.14E-02
2036	437805.5	3725234	1.17E-01	1.97E-02	1.05E-01	1.11E-02
2037	437824	3725255	1.10E-01	1.85E-02	9.87E-02	1.04E-02
2038	437823.1	3725246	1.05E-01	1.77E-02	9.42E-02	9.98E-03
2039	437818.7	3725238	1.04E-01	1.75E-02	9.33E-02	9.89E-03
2040	437814.4	3725230	1.02E-01	1.72E-02	9.16E-02	9.72E-03
2041	437810	3725222	9.89E-02	1.67E-02	8.91E-02	9.46E-03
2042	437832.8	3725250	9.60E-02	1.62E-02	8.65E-02	9.17E-03
2043	437827.6	3725233	9.08E-02	1.54E-02	8.18E-02	8.69E-03
2044	437823.2	3725225	8.92E-02	1.51E-02	8.04E-02	8.55E-03
2045	437818.9	3725217	8.68E-02	1.47E-02	7.83E-02	8.34E-03
2046	437836.4	3725229	8.07E-02	1.37E-02	7.28E-02	7.75E-03
2047	437832	3725220	7.90E-02	1.34E-02	7.13E-02	7.60E-03
2048	437827.7	3725212	7.68E-02	1.30E-02	6.94E-02	7.40E-03
2049	437823.4	3725204	7.43E-02	1.26E-02	6.72E-02	7.18E-03
2050	437845.2	3725224	7.24E-02	1.23E-02	6.54E-02	6.98E-03
2051	437840.9	3725216	7.10E-02	1.21E-02	6.42E-02	6.85E-03
2052	437836.5	3725208	6.90E-02	1.17E-02	6.24E-02	6.67E-03
2053	437832.2	3725199	6.66E-02	1.13E-02	6.03E-02	6.45E-03
2054	437854.1	3725219	6.54E-02	1.11E-02	5.91E-02	6.32E-03
2055	437849.7	3725211	6.42E-02	1.09E-02	5.81E-02	6.21E-03
2056	437845.4	3725203	6.26E-02	1.07E-02	5.67E-02	6.07E-03
2057	437841	3725195	6.06E-02	1.03E-02	5.49E-02	5.89E-03
2058	437933.7	3725156	2.89E-02	5.00E-03	2.64E-02	2.88E-03
2059	437929.3	3725148	2.84E-02	4.91E-03	2.60E-02	2.83E-03
2060	437951.4	3725147	2.52E-02	4.37E-03	2.31E-02	2.52E-03
2061	438061.6	3725120	1.39E-02	2.43E-03	1.28E-02	1.41E-03
2062	438048.5	3725095	1.34E-02	2.35E-03	1.24E-02	1.37E-03
2063	438088.1	3725105	1.20E-02	2.09E-03	1.10E-02	1.22E-03
2064	438083.7	3725097	1.18E-02	2.08E-03	1.09E-02	1.21E-03
2065	438079.4	3725089	1.17E-02	2.05E-03	1.08E-02	1.20E-03
2066	438075	3725081	1.16E-02	2.03E-03	1.07E-02	1.18E-03
2067	438070.7	3725073	1.14E-02	2.00E-03	1.05E-02	1.17E-03
2068	438122.2	3725164	1.21E-02	2.12E-03	1.12E-02	1.24E-03
2069	438123.2	3725173	1.23E-02	2.15E-03	1.13E-02	1.25E-03
2070	438114.6	3725091	1.04E-02	1.83E-03	9.60E-03	1.06E-03
2071	438110.2	3725083	1.03E-02	1.81E-03	9.52E-03	1.06E-03
2072	438105.9	3725075	1.02E-02	1.79E-03	9.41E-03	1.05E-03
2073	438101.5	3725067	1.01E-02	1.77E-03	9.30E-03	1.03E-03
2074	438097.2	3725059	9.92E-03	1.74E-03	9.16E-03	1.02E-03

2075	438147.8	3725142	1.04E-02	1.82E-03	9.58E-03	1.06E-03
2076	438148.8	3725151	1.05E-02	1.85E-03	9.72E-03	1.08E-03
2077	438149.8	3725160	1.07E-02	1.88E-03	9.87E-03	1.09E-03
2078	438150.7	3725169	1.09E-02	1.90E-03	1.00E-02	1.11E-03
2079	438176.1	3725145	9.39E-03	1.65E-03	8.67E-03	9.63E-04
2080	438177.1	3725154	9.51E-03	1.67E-03	8.78E-03	9.75E-04
2081	438178	3725163	9.62E-03	1.69E-03	8.88E-03	9.86E-04
2082	438179	3725172	9.72E-03	1.71E-03	8.97E-03	9.97E-04
2083	438183.8	3725217	1.01E-02	1.77E-03	9.29E-03	1.03E-03
2084	438184.7	3725226	1.01E-02	1.78E-03	9.33E-03	1.04E-03
2085	438221.5	3725044	6.56E-03	1.16E-03	6.08E-03	6.80E-04
2086	438220.6	3725035	6.44E-03	1.14E-03	5.97E-03	6.68E-04
2087	438216.2	3725027	6.39E-03	1.13E-03	5.92E-03	6.63E-04
2088	438211.9	3725019	6.32E-03	1.12E-03	5.86E-03	6.56E-04
2089	438207.5	3725011	6.25E-03	1.11E-03	5.79E-03	6.49E-04
2090	438203.2	3725002	6.17E-03	1.09E-03	5.72E-03	6.41E-04
2091	438250.9	3725058	6.20E-03	1.10E-03	5.75E-03	6.43E-04
2092	438251.9	3725067	6.31E-03	1.12E-03	5.85E-03	6.55E-04
2093	438252.8	3725076	6.42E-03	1.14E-03	5.95E-03	6.66E-04
2094	438266.3	3725203	7.19E-03	1.27E-03	6.66E-03	7.45E-04
2095	438267.2	3725213	7.20E-03	1.27E-03	6.67E-03	7.46E-04
2096	438273	3725267	7.26E-03	1.29E-03	6.73E-03	7.54E-04
2097	438274	3725276	7.27E-03	1.29E-03	6.74E-03	7.56E-04
2098	438275.5	3725025	5.35E-03	9.48E-04	4.97E-03	5.57E-04
2099	438276.5	3725035	5.46E-03	9.68E-04	5.07E-03	5.69E-04
2100	438277.4	3725044	5.58E-03	9.88E-04	5.18E-03	5.81E-04
2101	438278.4	3725053	5.69E-03	1.01E-03	5.28E-03	5.92E-04
2102	438297.8	3725237	6.47E-03	1.15E-03	6.00E-03	6.73E-04
2103	438298.8	3725246	6.48E-03	1.15E-03	6.01E-03	6.75E-04
2104	438299.8	3725256	6.49E-03	1.15E-03	6.02E-03	6.76E-04
2105	438300.7	3725265	6.50E-03	1.15E-03	6.03E-03	6.77E-04
2106	438301.7	3725274	6.51E-03	1.15E-03	6.04E-03	6.79E-04
2107	438302	3725011	4.80E-03	8.52E-04	4.46E-03	5.01E-04
2108	438302.9	3725020	4.91E-03	8.71E-04	4.56E-03	5.12E-04
2109	438303.9	3725029	5.01E-03	8.89E-04	4.66E-03	5.23E-04
2110	438304.9	3725038	5.11E-03	9.07E-04	4.75E-03	5.33E-04
2111	438310.6	3725093	5.58E-03	9.88E-04	5.17E-03	5.81E-04
2112	438311.6	3725102	5.63E-03	9.97E-04	5.22E-03	5.86E-04
2113	438312.5	3725111	5.68E-03	1.01E-03	5.27E-03	5.91E-04
2114	438313.5	3725120	5.72E-03	1.01E-03	5.30E-03	5.95E-04
2115	438314.4	3725129	5.75E-03	1.02E-03	5.34E-03	5.99E-04
2116	438315.4	3725139	5.78E-03	1.02E-03	5.36E-03	6.02E-04
2117	438326.9	3725248	5.85E-03	1.04E-03	5.44E-03	6.11E-04
2118	438347.9	3725093	5.00E-03	8.87E-04	4.64E-03	5.22E-04
2119	438348.9	3725102	5.04E-03	8.94E-04	4.68E-03	5.26E-04
2120	438349.9	3725111	5.07E-03	9.00E-04	4.71E-03	5.29E-04
2121	438350.8	3725121	5.10E-03	9.05E-04	4.74E-03	5.32E-04
2122	438351.8	3725130	5.12E-03	9.09E-04	4.76E-03	5.35E-04
2123	438352.7	3725139	5.15E-03	9.13E-04	4.78E-03	5.38E-04
2124	438371.1	3725313	5.18E-03	9.22E-04	4.82E-03	5.44E-04
2125	438372	3725322	5.20E-03	9.26E-04	4.84E-03	5.47E-04
2126	438373	3725331	5.22E-03	9.30E-04	4.86E-03	5.49E-04

2127	438374	3725340	5.24E-03	9.32E-04	4.87E-03	5.50E-04
2128	438375.9	3725358	5.26E-03	9.36E-04	4.89E-03	5.53E-04
2129	438383.3	3725075	4.42E-03	7.86E-04	4.11E-03	4.63E-04
2130	438384.3	3725084	4.46E-03	7.93E-04	4.15E-03	4.67E-04
2131	438385.3	3725093	4.50E-03	7.99E-04	4.18E-03	4.71E-04
2132	438386.2	3725102	4.53E-03	8.05E-04	4.21E-03	4.74E-04
2133	438387.2	3725112	4.56E-03	8.10E-04	4.24E-03	4.77E-04
2134	438388.2	3725121	4.58E-03	8.14E-04	4.26E-03	4.80E-04
2135	438389.1	3725130	4.60E-03	8.19E-04	4.28E-03	4.82E-04
2136	438394.9	3725185	4.65E-03	8.28E-04	4.33E-03	4.88E-04
2137	438395.9	3725194	4.65E-03	8.28E-04	4.33E-03	4.88E-04
2138	438396.9	3725204	4.65E-03	8.27E-04	4.32E-03	4.88E-04
2139	438397.8	3725213	4.63E-03	8.25E-04	4.31E-03	4.87E-04
2140	438409.5	3725323	4.65E-03	8.29E-04	4.33E-03	4.90E-04
2141	438410.4	3725332	4.66E-03	8.32E-04	4.34E-03	4.91E-04
2142	438415.3	3725378	4.64E-03	8.29E-04	4.33E-03	4.90E-04
2143	438416.2	3725387	4.63E-03	8.27E-04	4.32E-03	4.89E-04
2144	438417.2	3725396	4.61E-03	8.24E-04	4.30E-03	4.87E-04
2145	438418.2	3725406	4.59E-03	8.20E-04	4.28E-03	4.85E-04
2146	438420.4	3725073	4.01E-03	7.14E-04	3.73E-03	4.21E-04
2147	438421.4	3725082	4.04E-03	7.19E-04	3.76E-03	4.24E-04
2148	438422.3	3725091	4.07E-03	7.24E-04	3.78E-03	4.27E-04
2149	438423.3	3725100	4.09E-03	7.28E-04	3.81E-03	4.30E-04
2150	438424.2	3725109	4.11E-03	7.33E-04	3.83E-03	4.32E-04
2151	438425.2	3725118	4.14E-03	7.36E-04	3.85E-03	4.34E-04
2152	438430	3725163	4.19E-03	7.47E-04	3.90E-03	4.41E-04
2153	438430.9	3725172	4.20E-03	7.48E-04	3.91E-03	4.41E-04
2154	438431.9	3725182	4.20E-03	7.48E-04	3.91E-03	4.42E-04
2155	438432.8	3725191	4.20E-03	7.48E-04	3.91E-03	4.42E-04
2156	438433.8	3725200	4.19E-03	7.47E-04	3.91E-03	4.41E-04
2157	438434.7	3725209	4.19E-03	7.47E-04	3.90E-03	4.41E-04
2158	438435.7	3725218	4.18E-03	7.46E-04	3.90E-03	4.40E-04
2159	438436.6	3725227	4.17E-03	7.44E-04	3.89E-03	4.40E-04
2160	438453.9	3725390	4.15E-03	7.43E-04	3.88E-03	4.40E-04
2161	438454.8	3725399	4.14E-03	7.40E-04	3.86E-03	4.38E-04
2162	438455.8	3725408	4.12E-03	7.37E-04	3.85E-03	4.37E-04
2163	438456.7	3725417	4.11E-03	7.35E-04	3.83E-03	4.35E-04
2164	438457.7	3725426	4.08E-03	7.31E-04	3.81E-03	4.33E-04
2165	438458.6	3725435	4.06E-03	7.27E-04	3.79E-03	4.31E-04
2166	438455.8	3725055	3.60E-03	6.42E-04	3.36E-03	3.79E-04
2167	438456.8	3725064	3.63E-03	6.47E-04	3.38E-03	3.82E-04
2168	438457.7	3725073	3.65E-03	6.51E-04	3.40E-03	3.85E-04
2169	438458.7	3725082	3.67E-03	6.55E-04	3.42E-03	3.87E-04
2170	438459.6	3725091	3.69E-03	6.59E-04	3.44E-03	3.89E-04
2171	438460.6	3725100	3.71E-03	6.62E-04	3.46E-03	3.91E-04
2172	438461.6	3725109	3.73E-03	6.65E-04	3.48E-03	3.93E-04
2173	438467.3	3725164	3.80E-03	6.79E-04	3.55E-03	4.01E-04
2174	438468.3	3725173	3.81E-03	6.80E-04	3.55E-03	4.02E-04
2175	438469.2	3725182	3.81E-03	6.80E-04	3.55E-03	4.02E-04
2176	438470.2	3725191	3.81E-03	6.81E-04	3.55E-03	4.02E-04
2177	438471.2	3725200	3.81E-03	6.81E-04	3.56E-03	4.03E-04
2178	438472.1	3725209	3.81E-03	6.80E-04	3.55E-03	4.02E-04

2179	438476.9	3725255	3.72E-03	6.65E-04	3.47E-03	3.93E-04
2180	438477.9	3725264	3.70E-03	6.61E-04	3.45E-03	3.91E-04
2181	438478.8	3725273	3.69E-03	6.60E-04	3.45E-03	3.91E-04
2182	438479.8	3725282	3.69E-03	6.60E-04	3.44E-03	3.91E-04
2183	438480.8	3725291	3.69E-03	6.60E-04	3.44E-03	3.91E-04
2184	438493.2	3725410	3.72E-03	6.66E-04	3.47E-03	3.95E-04
2185	438494.2	3725419	3.70E-03	6.63E-04	3.46E-03	3.93E-04
2186	438495.2	3725428	3.69E-03	6.61E-04	3.45E-03	3.92E-04
2187	438492.1	3725046	3.25E-03	5.81E-04	3.03E-03	3.44E-04
2188	438493.1	3725055	3.27E-03	5.85E-04	3.05E-03	3.46E-04
2189	438494.1	3725064	3.30E-03	5.89E-04	3.07E-03	3.48E-04
2190	438495	3725073	3.32E-03	5.92E-04	3.09E-03	3.50E-04
2191	438496	3725082	3.34E-03	5.96E-04	3.11E-03	3.52E-04
2192	438497	3725091	3.36E-03	5.99E-04	3.13E-03	3.54E-04
2193	438497.9	3725100	3.37E-03	6.02E-04	3.14E-03	3.56E-04
2194	438502.8	3725146	3.46E-03	6.18E-04	3.22E-03	3.65E-04
2195	438503.7	3725155	3.46E-03	6.19E-04	3.23E-03	3.66E-04
2196	438504.7	3725164	3.47E-03	6.20E-04	3.23E-03	3.67E-04
2197	438505.6	3725174	3.47E-03	6.20E-04	3.24E-03	3.67E-04
2198	438506.6	3725183	3.48E-03	6.22E-04	3.25E-03	3.68E-04
2199	438507.6	3725192	3.49E-03	6.24E-04	3.26E-03	3.69E-04
2200	438508.5	3725201	3.50E-03	6.26E-04	3.27E-03	3.70E-04
2201	438514.3	3725256	3.40E-03	6.09E-04	3.18E-03	3.61E-04
2202	438515.3	3725265	3.39E-03	6.06E-04	3.16E-03	3.59E-04
2203	438516.3	3725274	3.38E-03	6.05E-04	3.15E-03	3.58E-04
2204	438517.2	3725283	3.37E-03	6.03E-04	3.15E-03	3.58E-04
2205	438518.2	3725292	3.36E-03	6.02E-04	3.14E-03	3.57E-04
2206	438519.1	3725302	3.35E-03	6.01E-04	3.13E-03	3.56E-04
2207	438527.5	3725027	2.94E-03	5.26E-04	2.75E-03	3.12E-04
2208	438528.5	3725037	2.96E-03	5.30E-04	2.76E-03	3.14E-04
2209	438529.5	3725046	2.98E-03	5.33E-04	2.78E-03	3.15E-04
2210	438530.4	3725055	3.00E-03	5.36E-04	2.80E-03	3.17E-04
2211	438531.4	3725064	3.01E-03	5.39E-04	2.81E-03	3.19E-04
2212	438532.4	3725073	3.03E-03	5.42E-04	2.83E-03	3.21E-04
2213	438533.3	3725082	3.04E-03	5.44E-04	2.84E-03	3.22E-04
2214	438534.3	3725092	3.06E-03	5.47E-04	2.86E-03	3.24E-04
2215	438539.2	3725137	3.15E-03	5.63E-04	2.94E-03	3.34E-04
2216	438540.1	3725147	3.16E-03	5.66E-04	2.95E-03	3.35E-04
2217	438541.1	3725156	3.18E-03	5.68E-04	2.96E-03	3.36E-04
2218	438542.1	3725165	3.19E-03	5.70E-04	2.97E-03	3.38E-04
2219	438543	3725174	3.20E-03	5.72E-04	2.98E-03	3.39E-04
2220	438544	3725183	3.20E-03	5.73E-04	2.99E-03	3.39E-04
2221	438545	3725193	3.20E-03	5.73E-04	2.99E-03	3.40E-04
2222	438549.8	3725238	3.17E-03	5.69E-04	2.97E-03	3.37E-04
2223	438550.8	3725248	3.16E-03	5.66E-04	2.95E-03	3.35E-04
2224	438551.7	3725257	3.14E-03	5.63E-04	2.93E-03	3.34E-04
2225	438552.7	3725266	3.12E-03	5.60E-04	2.92E-03	3.32E-04
2226	438553.7	3725275	3.10E-03	5.56E-04	2.90E-03	3.30E-04
2227	438554.6	3725284	3.08E-03	5.52E-04	2.88E-03	3.27E-04
2228	438555.6	3725294	3.06E-03	5.48E-04	2.86E-03	3.25E-04
2229	438561.4	3725349	3.06E-03	5.49E-04	2.86E-03	3.26E-04
2230	438564.9	3725028	2.70E-03	4.84E-04	2.52E-03	2.87E-04

2231	438565.8	3725037	2.72E-03	4.86E-04	2.54E-03	2.88E-04
2232	438566.8	3725046	2.73E-03	4.89E-04	2.55E-03	2.90E-04
2233	438567.8	3725055	2.74E-03	4.91E-04	2.56E-03	2.91E-04
2234	438568.7	3725064	2.76E-03	4.94E-04	2.58E-03	2.93E-04
2235	438569.7	3725074	2.78E-03	4.97E-04	2.59E-03	2.95E-04
2236	438575.5	3725129	2.88E-03	5.15E-04	2.69E-03	3.06E-04
2237	438576.5	3725138	2.90E-03	5.19E-04	2.71E-03	3.08E-04
2238	438577.5	3725147	2.91E-03	5.22E-04	2.72E-03	3.09E-04
2239	438578.5	3725156	2.93E-03	5.24E-04	2.74E-03	3.11E-04
2240	438579.4	3725166	2.94E-03	5.27E-04	2.75E-03	3.12E-04
2241	438580.4	3725175	2.95E-03	5.29E-04	2.76E-03	3.14E-04
2242	438581.4	3725184	2.95E-03	5.29E-04	2.76E-03	3.14E-04
2243	438586.2	3725230	2.93E-03	5.25E-04	2.74E-03	3.12E-04
2244	438587.2	3725239	2.92E-03	5.23E-04	2.73E-03	3.11E-04
2245	438588.2	3725249	2.90E-03	5.21E-04	2.72E-03	3.09E-04
2246	438589.1	3725258	2.89E-03	5.18E-04	2.70E-03	3.08E-04
2247	438590.1	3725267	2.87E-03	5.16E-04	2.69E-03	3.06E-04
2248	438591.1	3725276	2.85E-03	5.12E-04	2.67E-03	3.04E-04
2249	438592.1	3725285	2.83E-03	5.09E-04	2.65E-03	3.02E-04
2250	438596.9	3725331	2.78E-03	5.00E-04	2.61E-03	2.97E-04
2251	438597.9	3725341	2.78E-03	5.00E-04	2.61E-03	2.97E-04
2252	438598.8	3725350	2.78E-03	5.00E-04	2.61E-03	2.97E-04
2253	438599.8	3725359	2.79E-03	5.01E-04	2.61E-03	2.98E-04
2254	438604.7	3725405	2.82E-03	5.07E-04	2.64E-03	3.02E-04
2255	438605.6	3725414	2.83E-03	5.08E-04	2.65E-03	3.02E-04
2256	438606.6	3725424	2.82E-03	5.08E-04	2.64E-03	3.02E-04
2257	438607.6	3725433	2.82E-03	5.07E-04	2.64E-03	3.01E-04
2258	438608.6	3725442	2.81E-03	5.06E-04	2.63E-03	3.01E-04
2259	438604.8	3725053	2.51E-03	4.50E-04	2.35E-03	2.67E-04
2260	438605.8	3725062	2.53E-03	4.53E-04	2.36E-03	2.69E-04
2261	438606.7	3725071	2.55E-03	4.57E-04	2.38E-03	2.71E-04
2262	438611.5	3725116	2.63E-03	4.72E-04	2.46E-03	2.80E-04
2263	438612.5	3725126	2.65E-03	4.74E-04	2.47E-03	2.82E-04
2264	438613.5	3725135	2.66E-03	4.77E-04	2.49E-03	2.83E-04
2265	438614.4	3725144	2.67E-03	4.79E-04	2.50E-03	2.84E-04
2266	438615.4	3725153	2.69E-03	4.82E-04	2.51E-03	2.86E-04
2267	438616.4	3725162	2.70E-03	4.84E-04	2.52E-03	2.87E-04
2268	438623.1	3725226	2.72E-03	4.88E-04	2.54E-03	2.90E-04
2269	438624	3725235	2.71E-03	4.86E-04	2.53E-03	2.89E-04
2270	438625	3725244	2.70E-03	4.84E-04	2.52E-03	2.88E-04
2271	438626	3725253	2.69E-03	4.82E-04	2.51E-03	2.86E-04
2272	438626.9	3725262	2.67E-03	4.80E-04	2.50E-03	2.85E-04
2273	438627.9	3725271	2.66E-03	4.77E-04	2.49E-03	2.84E-04
2274	438633.6	3725326	2.56E-03	4.61E-04	2.40E-03	2.74E-04
2275	438634.6	3725335	2.56E-03	4.60E-04	2.40E-03	2.74E-04
2276	438635.6	3725344	2.56E-03	4.60E-04	2.39E-03	2.73E-04
2277	438636.5	3725353	2.55E-03	4.59E-04	2.39E-03	2.73E-04
2278	438641.3	3725399	2.58E-03	4.64E-04	2.42E-03	2.76E-04
2279	438642.3	3725408	2.59E-03	4.66E-04	2.43E-03	2.77E-04
2280	438643.3	3725417	2.60E-03	4.68E-04	2.43E-03	2.78E-04
2281	438644.2	3725426	2.60E-03	4.68E-04	2.44E-03	2.78E-04
2282	438645.2	3725435	2.60E-03	4.69E-04	2.44E-03	2.79E-04

2283	438646.1	3725445	2.61E-03	4.69E-04	2.44E-03	2.79E-04
2284	438646	3725089	2.40E-03	4.30E-04	2.24E-03	2.56E-04
2285	438647	3725099	2.41E-03	4.33E-04	2.26E-03	2.57E-04
2286	438647.9	3725108	2.43E-03	4.35E-04	2.27E-03	2.59E-04
2287	438648.9	3725117	2.44E-03	4.38E-04	2.28E-03	2.60E-04
2288	438649.9	3725126	2.45E-03	4.39E-04	2.29E-03	2.61E-04
2289	438650.8	3725135	2.46E-03	4.41E-04	2.30E-03	2.62E-04
2290	438651.8	3725144	2.46E-03	4.42E-04	2.30E-03	2.63E-04
2291	438652.8	3725153	2.47E-03	4.44E-04	2.31E-03	2.64E-04
2292	438653.7	3725163	2.48E-03	4.45E-04	2.32E-03	2.65E-04
2293	438658.5	3725208	2.53E-03	4.55E-04	2.37E-03	2.70E-04
2294	438659.5	3725217	2.53E-03	4.54E-04	2.36E-03	2.70E-04
2295	438660.5	3725227	2.52E-03	4.53E-04	2.36E-03	2.69E-04
2296	438661.4	3725236	2.52E-03	4.52E-04	2.36E-03	2.69E-04
2297	438662.4	3725245	2.51E-03	4.51E-04	2.35E-03	2.68E-04
2298	438663.4	3725254	2.50E-03	4.49E-04	2.34E-03	2.67E-04
2299	438664.3	3725263	2.49E-03	4.47E-04	2.33E-03	2.66E-04
2300	438670.1	3725318	2.40E-03	4.32E-04	2.25E-03	2.57E-04
2301	438671.1	3725327	2.39E-03	4.30E-04	2.24E-03	2.56E-04
2302	438672	3725336	2.38E-03	4.29E-04	2.23E-03	2.55E-04
2303	438673	3725345	2.38E-03	4.28E-04	2.23E-03	2.55E-04
2304	438674	3725355	2.37E-03	4.27E-04	2.22E-03	2.54E-04
2305	438674.9	3725364	2.37E-03	4.27E-04	2.22E-03	2.54E-04
2306	438679.8	3725410	2.40E-03	4.32E-04	2.25E-03	2.57E-04
2307	438680.7	3725419	2.40E-03	4.33E-04	2.25E-03	2.58E-04
2308	438681.7	3725428	2.41E-03	4.34E-04	2.26E-03	2.58E-04
2309	438682.7	3725437	2.42E-03	4.35E-04	2.26E-03	2.59E-04
2310	438683.6	3725446	2.42E-03	4.36E-04	2.27E-03	2.60E-04
2311	438684.6	3725455	2.42E-03	4.36E-04	2.27E-03	2.59E-04
2312	438688.4	3725492	2.40E-03	4.33E-04	2.25E-03	2.58E-04
2313	438689.4	3725501	2.40E-03	4.32E-04	2.25E-03	2.57E-04
2314	438690.4	3725510	2.39E-03	4.31E-04	2.24E-03	2.57E-04
2315	438687.2	3725127	2.26E-03	4.06E-04	2.12E-03	2.42E-04
2316	438688.2	3725136	2.27E-03	4.08E-04	2.12E-03	2.42E-04
2317	438689.2	3725145	2.28E-03	4.09E-04	2.13E-03	2.43E-04
2318	438690.1	3725154	2.28E-03	4.10E-04	2.14E-03	2.44E-04
2319	438691.1	3725163	2.29E-03	4.12E-04	2.15E-03	2.45E-04
2320	438692.1	3725172	2.30E-03	4.13E-04	2.15E-03	2.46E-04
2321	438693	3725182	2.31E-03	4.15E-04	2.16E-03	2.47E-04
2322	438694	3725191	2.32E-03	4.17E-04	2.17E-03	2.48E-04
2323	438695	3725200	2.33E-03	4.19E-04	2.18E-03	2.49E-04
2324	438695.9	3725209	2.33E-03	4.20E-04	2.19E-03	2.50E-04
2325	438696.9	3725218	2.33E-03	4.20E-04	2.19E-03	2.50E-04
2326	438697.9	3725227	2.33E-03	4.19E-04	2.18E-03	2.49E-04
2327	438698.8	3725237	2.33E-03	4.19E-04	2.18E-03	2.49E-04
2328	438699.8	3725246	2.33E-03	4.18E-04	2.18E-03	2.49E-04
2329	438700.8	3725255	2.32E-03	4.18E-04	2.18E-03	2.49E-04
2330	438705.6	3725301	2.27E-03	4.10E-04	2.13E-03	2.44E-04
2331	438706.6	3725310	2.26E-03	4.07E-04	2.12E-03	2.42E-04
2332	438707.5	3725319	2.25E-03	4.05E-04	2.11E-03	2.41E-04
2333	438708.5	3725328	2.24E-03	4.03E-04	2.10E-03	2.40E-04
2334	438709.5	3725338	2.23E-03	4.02E-04	2.09E-03	2.40E-04

2335	438710.4	3725347	2.23E-03	4.01E-04	2.09E-03	2.39E-04
2336	438711.4	3725356	2.22E-03	4.00E-04	2.08E-03	2.38E-04
2337	438712.4	3725365	2.22E-03	4.01E-04	2.08E-03	2.39E-04
2338	438717.2	3725411	2.24E-03	4.03E-04	2.10E-03	2.40E-04
2339	438718.2	3725420	2.24E-03	4.04E-04	2.10E-03	2.41E-04
2340	438719.1	3725429	2.25E-03	4.05E-04	2.11E-03	2.41E-04
2341	438720.1	3725438	2.25E-03	4.05E-04	2.11E-03	2.42E-04
2342	438721.1	3725448	2.25E-03	4.06E-04	2.11E-03	2.42E-04
2343	438722.1	3725457	2.25E-03	4.06E-04	2.11E-03	2.42E-04
2344	438723	3725466	2.25E-03	4.06E-04	2.11E-03	2.42E-04
2345	438724	3725475	2.25E-03	4.06E-04	2.11E-03	2.42E-04
2346	438725	3725484	2.24E-03	4.05E-04	2.11E-03	2.41E-04
2347	438725.9	3725493	2.24E-03	4.04E-04	2.10E-03	2.41E-04
2348	438726.9	3725503	2.23E-03	4.03E-04	2.09E-03	2.40E-04
2349	438727.9	3725512	2.23E-03	4.02E-04	2.09E-03	2.39E-04
2350	437709.7	3725188	1.55E-01	2.64E-02	1.40E-01	1.50E-02
2351	437702	3725182	1.44E-01	2.47E-02	1.31E-01	1.41E-02
2352	437715.4	3725179	1.22E-01	2.10E-02	1.11E-01	1.20E-02
2353	437707.6	3725174	1.14E-01	1.97E-02	1.04E-01	1.14E-02
2354	437721.1	3725171	1.00E-01	1.73E-02	9.13E-02	9.92E-03
2355	437713.3	3725166	9.38E-02	1.63E-02	8.60E-02	9.41E-03
2356	437726.7	3725163	8.42E-02	1.46E-02	7.71E-02	8.42E-03
2357	437719	3725158	7.88E-02	1.38E-02	7.25E-02	7.98E-03
2358	437732.4	3725155	7.23E-02	1.26E-02	6.64E-02	7.29E-03
2359	437724.6	3725149	6.76E-02	1.19E-02	6.24E-02	6.91E-03
2360	437797.9	3725190	7.89E-02	1.34E-02	7.14E-02	7.64E-03
2361	437738.1	3725147	6.31E-02	1.10E-02	5.81E-02	6.41E-03
2362	437730.3	3725141	5.89E-02	1.04E-02	5.45E-02	6.06E-03
2363	437803.1	3725181	6.89E-02	1.18E-02	6.24E-02	6.71E-03
2364	437813.2	3725193	7.23E-02	1.23E-02	6.55E-02	7.01E-03
2365	437790.3	3725170	6.61E-02	1.13E-02	6.01E-02	6.48E-03
2366	437782.5	3725165	6.49E-02	1.11E-02	5.91E-02	6.39E-03
2367	437774.7	3725160	6.31E-02	1.09E-02	5.76E-02	6.25E-03
2368	437767	3725154	6.11E-02	1.06E-02	5.58E-02	6.08E-03
2369	437759.2	3725149	5.91E-02	1.03E-02	5.42E-02	5.93E-03
2370	437751.5	3725144	5.70E-02	9.95E-03	5.24E-02	5.77E-03
2371	437743.7	3725138	5.45E-02	9.57E-03	5.03E-02	5.58E-03
2372	437736	3725133	5.14E-02	9.10E-03	4.77E-02	5.33E-03
2373	437809.4	3725174	6.11E-02	1.05E-02	5.55E-02	5.98E-03
2374	437820.8	3725187	6.45E-02	1.10E-02	5.84E-02	6.27E-03
2375	437795.9	3725162	5.81E-02	9.99E-03	5.29E-02	5.72E-03
2376	437788.2	3725157	5.69E-02	9.81E-03	5.19E-02	5.63E-03
2377	437780.4	3725151	5.53E-02	9.56E-03	5.05E-02	5.50E-03
2378	437772.7	3725146	5.33E-02	9.25E-03	4.88E-02	5.34E-03
2379	437764.9	3725141	5.17E-02	9.01E-03	4.75E-02	5.22E-03
2380	437757.1	3725135	4.98E-02	8.73E-03	4.59E-02	5.07E-03
2381	437749.4	3725130	4.76E-02	8.38E-03	4.40E-02	4.90E-03
2382	437741.6	3725125	4.50E-02	7.99E-03	4.19E-02	4.70E-03
2383	437814.6	3725165	5.46E-02	9.37E-03	4.97E-02	5.37E-03
2384	437825.2	3725177	5.71E-02	9.76E-03	5.18E-02	5.57E-03
2385	437801.6	3725154	5.16E-02	8.90E-03	4.71E-02	5.11E-03
2386	437793.8	3725148	5.03E-02	8.70E-03	4.60E-02	5.01E-03

2387	437786.1	3725143	4.90E-02	8.50E-03	4.49E-02	4.91E-03
2388	437778.3	3725138	4.76E-02	8.28E-03	4.37E-02	4.79E-03
2389	437770.6	3725132	4.58E-02	8.01E-03	4.22E-02	4.65E-03
2390	437762.8	3725127	4.41E-02	7.75E-03	4.07E-02	4.52E-03
2391	437755.1	3725122	4.20E-02	7.44E-03	3.90E-02	4.36E-03
2392	437747.3	3725116	3.98E-02	7.09E-03	3.71E-02	4.17E-03
2393	437837	3725161	4.74E-02	8.15E-03	4.32E-02	4.67E-03
2394	437811.7	3725039	1.78E-02	3.20E-03	1.67E-02	1.90E-03
2395	437803.9	3725034	1.69E-02	3.07E-03	1.60E-02	1.83E-03
2396	437883.1	3725067	2.01E-02	3.55E-03	1.86E-02	2.07E-03
2397	437894.7	3725080	2.15E-02	3.76E-03	1.98E-02	2.19E-03
2398	437906.4	3725093	2.26E-02	3.95E-03	2.08E-02	2.29E-03
2399	437918	3725106	2.36E-02	4.10E-03	2.16E-02	2.38E-03
2400	437869.6	3725055	1.90E-02	3.35E-03	1.76E-02	1.97E-03
2401	437861.8	3725050	1.84E-02	3.27E-03	1.71E-02	1.92E-03
2402	437854.1	3725044	1.79E-02	3.18E-03	1.66E-02	1.87E-03
2403	437846.3	3725039	1.73E-02	3.08E-03	1.61E-02	1.82E-03
2404	437838.5	3725034	1.66E-02	2.98E-03	1.55E-02	1.76E-03
2405	437830.8	3725028	1.59E-02	2.87E-03	1.50E-02	1.70E-03
2406	437823	3725023	1.53E-02	2.76E-03	1.44E-02	1.64E-03
2407	437815.3	3725018	1.46E-02	2.65E-03	1.38E-02	1.58E-03
2408	437894.5	3725050	1.74E-02	3.07E-03	1.61E-02	1.80E-03
2409	437906.2	3725063	1.85E-02	3.26E-03	1.71E-02	1.90E-03
2410	437917.9	3725077	1.96E-02	3.43E-03	1.80E-02	1.99E-03
2411	437929.6	3725090	2.04E-02	3.57E-03	1.88E-02	2.07E-03
2412	437941.3	3725103	2.11E-02	3.67E-03	1.93E-02	2.13E-03
2413	437880.9	3725038	1.64E-02	2.91E-03	1.52E-02	1.71E-03
2414	437873.1	3725033	1.59E-02	2.83E-03	1.48E-02	1.67E-03
2415	437865.4	3725028	1.54E-02	2.76E-03	1.44E-02	1.63E-03
2416	437857.6	3725022	1.49E-02	2.67E-03	1.40E-02	1.58E-03
2417	437849.9	3725017	1.44E-02	2.58E-03	1.35E-02	1.53E-03
2418	437842.1	3725012	1.38E-02	2.49E-03	1.30E-02	1.48E-03
2419	437834.4	3725006	1.32E-02	2.40E-03	1.25E-02	1.43E-03
2420	437826.6	3725001	1.27E-02	2.30E-03	1.20E-02	1.38E-03
2421	437905.9	3725034	1.51E-02	2.68E-03	1.40E-02	1.57E-03
2422	437917.6	3725047	1.61E-02	2.84E-03	1.49E-02	1.66E-03
2423	437929.4	3725060	1.70E-02	2.99E-03	1.57E-02	1.74E-03
2424	437941.2	3725073	1.78E-02	3.12E-03	1.64E-02	1.81E-03
2425	437952.9	3725087	1.84E-02	3.22E-03	1.70E-02	1.87E-03
2426	437964.7	3725100	1.89E-02	3.29E-03	1.74E-02	1.91E-03
2427	437892.2	3725022	1.42E-02	2.54E-03	1.33E-02	1.49E-03
2428	437884.5	3725017	1.38E-02	2.47E-03	1.29E-02	1.46E-03
2429	437876.7	3725011	1.34E-02	2.40E-03	1.26E-02	1.42E-03
2430	437869	3725006	1.30E-02	2.33E-03	1.22E-02	1.38E-03
2431	437861.2	3725001	1.25E-02	2.25E-03	1.18E-02	1.34E-03
2432	437853.4	3724995	1.20E-02	2.18E-03	1.13E-02	1.30E-03
2433	437845.7	3724990	1.16E-02	2.10E-03	1.09E-02	1.25E-03
2434	437837.9	3724985	1.11E-02	2.02E-03	1.05E-02	1.21E-03
2435	437917.2	3725017	1.32E-02	2.35E-03	1.23E-02	1.38E-03
2436	437929	3725031	1.41E-02	2.49E-03	1.31E-02	1.46E-03
2437	437940.9	3725044	1.49E-02	2.63E-03	1.38E-02	1.53E-03
2438	437952.7	3725057	1.56E-02	2.74E-03	1.44E-02	1.60E-03

2439	437964.5	3725070	1.62E-02	2.84E-03	1.49E-02	1.65E-03
2440	437976.4	3725084	1.67E-02	2.91E-03	1.53E-02	1.69E-03
2441	437988.2	3725097	1.70E-02	2.97E-03	1.56E-02	1.72E-03
2442	437903.6	3725005	1.25E-02	2.22E-03	1.16E-02	1.31E-03
2443	437895.8	3725000	1.21E-02	2.17E-03	1.13E-02	1.28E-03
2444	437888	3724995	1.18E-02	2.11E-03	1.10E-02	1.25E-03
2445	437880.3	3724989	1.14E-02	2.05E-03	1.07E-02	1.21E-03
2446	437872.5	3724984	1.10E-02	1.98E-03	1.03E-02	1.18E-03
2447	437864.8	3724979	1.06E-02	1.91E-03	9.96E-03	1.14E-03
2448	437857	3724973	1.02E-02	1.84E-03	9.59E-03	1.10E-03
2449	437849.3	3724968	9.73E-03	1.77E-03	9.21E-03	1.06E-03
2450	437928.6	3725001	1.17E-02	2.08E-03	1.09E-02	1.22E-03
2451	437940.5	3725014	1.24E-02	2.20E-03	1.15E-02	1.29E-03
2452	437946.4	3725021	1.28E-02	2.26E-03	1.19E-02	1.33E-03
2453	437970.2	3725048	1.41E-02	2.47E-03	1.30E-02	1.44E-03
2454	437982	3725061	1.46E-02	2.55E-03	1.34E-02	1.49E-03
2455	437993.9	3725074	1.50E-02	2.62E-03	1.38E-02	1.52E-03
2456	437914.9	3724989	1.10E-02	1.96E-03	1.03E-02	1.16E-03
2457	437907.1	3724984	1.07E-02	1.91E-03	9.99E-03	1.13E-03
2458	437899.4	3724978	1.04E-02	1.86E-03	9.72E-03	1.10E-03
2459	437891.6	3724973	1.00E-02	1.81E-03	9.43E-03	1.08E-03
2460	437883.9	3724968	9.69E-03	1.75E-03	9.12E-03	1.04E-03
2461	437876.1	3724962	9.34E-03	1.69E-03	8.81E-03	1.01E-03
2462	437868.4	3724957	8.98E-03	1.63E-03	8.48E-03	9.77E-04
2463	437860.6	3724952	8.62E-03	1.57E-03	8.16E-03	9.43E-04
2464	437945.8	3724976	9.77E-03	1.74E-03	9.12E-03	1.03E-03
2465	437951.9	3724983	1.01E-02	1.80E-03	9.41E-03	1.06E-03
2466	437976.5	3725011	1.13E-02	2.00E-03	1.05E-02	1.17E-03
2467	437982.7	3725018	1.16E-02	2.05E-03	1.07E-02	1.20E-03
2468	437988.8	3725025	1.18E-02	2.09E-03	1.10E-02	1.22E-03
2469	437995	3725032	1.21E-02	2.13E-03	1.12E-02	1.24E-03
2470	438001.1	3725039	1.23E-02	2.17E-03	1.14E-02	1.26E-03
2471	438007.3	3725045	1.25E-02	2.20E-03	1.15E-02	1.28E-03
2472	438013.4	3725052	1.27E-02	2.23E-03	1.17E-02	1.30E-03
2473	437939.6	3724970	9.43E-03	1.69E-03	8.82E-03	9.98E-04
2474	437931.9	3724964	9.19E-03	1.65E-03	8.60E-03	9.76E-04
2475	437924.1	3724959	8.94E-03	1.61E-03	8.38E-03	9.53E-04
2476	437916.4	3724954	8.67E-03	1.56E-03	8.14E-03	9.28E-04
2477	437908.6	3724948	8.40E-03	1.52E-03	7.90E-03	9.04E-04
2478	437900.9	3724943	8.13E-03	1.47E-03	7.66E-03	8.78E-04
2479	437893.1	3724938	7.84E-03	1.42E-03	7.40E-03	8.51E-04
2480	437885.3	3724932	7.55E-03	1.38E-03	7.14E-03	8.24E-04
2481	437877.6	3724927	7.26E-03	1.33E-03	6.88E-03	7.96E-04
2482	437974.6	3724965	8.80E-03	1.57E-03	8.20E-03	9.26E-04
2483	437980.6	3724972	9.05E-03	1.61E-03	8.44E-03	9.50E-04
2484	437986.6	3724979	9.31E-03	1.65E-03	8.66E-03	9.74E-04
2485	437992.6	3724985	9.55E-03	1.70E-03	8.88E-03	9.97E-04
2486	437998.6	3724992	9.78E-03	1.73E-03	9.08E-03	1.02E-03
2487	438004.6	3724999	1.00E-02	1.77E-03	9.28E-03	1.04E-03
2488	438010.7	3725005	1.02E-02	1.81E-03	9.47E-03	1.06E-03
2489	438016.7	3725012	1.04E-02	1.84E-03	9.64E-03	1.08E-03
2490	438022.7	3725019	1.06E-02	1.87E-03	9.80E-03	1.09E-03

2491	438034.7	3725032	1.09E-02	1.92E-03	1.01E-02	1.12E-03
2492	437933.4	3724929	7.35E-03	1.33E-03	6.91E-03	7.90E-04
2493	437925.6	3724924	7.12E-03	1.29E-03	6.70E-03	7.68E-04
2494	437917.9	3724918	6.89E-03	1.25E-03	6.50E-03	7.46E-04
2495	437910.1	3724913	6.66E-03	1.21E-03	6.29E-03	7.24E-04
2496	437902.3	3724908	6.42E-03	1.17E-03	6.08E-03	7.02E-04
2497	437894.6	3724902	6.18E-03	1.13E-03	5.86E-03	6.78E-04
2498	437979.8	3724927	7.07E-03	1.27E-03	6.62E-03	7.52E-04
2499	437986	3724934	7.31E-03	1.31E-03	6.84E-03	7.76E-04
2500	437992.2	3724941	7.54E-03	1.35E-03	7.05E-03	7.98E-04
2501	437998.3	3724948	7.76E-03	1.39E-03	7.24E-03	8.19E-04
2502	438004.5	3724955	7.98E-03	1.42E-03	7.44E-03	8.39E-04
2503	438010.7	3724962	8.19E-03	1.46E-03	7.62E-03	8.59E-04
2504	438016.9	3724969	8.39E-03	1.49E-03	7.80E-03	8.78E-04
2505	438023	3724976	8.59E-03	1.52E-03	7.98E-03	8.96E-04
2506	438029.2	3724982	8.77E-03	1.56E-03	8.15E-03	9.14E-04
2507	438035.4	3724989	8.95E-03	1.59E-03	8.31E-03	9.31E-04
2508	438041.6	3724996	9.11E-03	1.61E-03	8.44E-03	9.45E-04
2509	438047.8	3725003	9.22E-03	1.63E-03	8.55E-03	9.55E-04
2510	438053.9	3725010	9.33E-03	1.65E-03	8.64E-03	9.65E-04
2511	438091	3725052	9.87E-03	1.74E-03	9.12E-03	1.01E-03
2512	437973.6	3724920	6.83E-03	1.23E-03	6.40E-03	7.28E-04
2513	437965.9	3724915	6.65E-03	1.20E-03	6.24E-03	7.12E-04
2514	437934.8	3724893	5.90E-03	1.07E-03	5.57E-03	6.40E-04
2515	437927.1	3724888	5.70E-03	1.04E-03	5.39E-03	6.21E-04
2516	437919.3	3724883	5.50E-03	1.00E-03	5.21E-03	6.02E-04
2517	437911.6	3724877	5.30E-03	9.70E-04	5.03E-03	5.82E-04
2518	437996.7	3724902	5.98E-03	1.08E-03	5.61E-03	6.39E-04
2519	438002.7	3724909	6.17E-03	1.11E-03	5.78E-03	6.57E-04
2520	438008.8	3724916	6.38E-03	1.14E-03	5.97E-03	6.78E-04
2521	438014.8	3724923	6.58E-03	1.18E-03	6.15E-03	6.96E-04
2522	438020.9	3724929	6.76E-03	1.21E-03	6.31E-03	7.14E-04
2523	438026.9	3724936	6.93E-03	1.24E-03	6.47E-03	7.31E-04
2524	438033	3724943	7.08E-03	1.26E-03	6.60E-03	7.44E-04
2525	438039	3724950	7.24E-03	1.29E-03	6.75E-03	7.60E-04
2526	438045.1	3724956	7.40E-03	1.32E-03	6.89E-03	7.75E-04
2527	438051.1	3724963	7.56E-03	1.34E-03	7.03E-03	7.90E-04
2528	438057.1	3724970	7.68E-03	1.36E-03	7.14E-03	8.02E-04
2529	438063.2	3724977	7.79E-03	1.38E-03	7.24E-03	8.12E-04
2530	438069.2	3724984	7.90E-03	1.40E-03	7.33E-03	8.22E-04
2531	438075.3	3724990	8.03E-03	1.42E-03	7.45E-03	8.34E-04
2532	438032.4	3724898	5.50E-03	9.88E-04	5.15E-03	5.86E-04
2533	438038.6	3724905	5.63E-03	1.01E-03	5.27E-03	5.98E-04
2534	438044.8	3724912	5.79E-03	1.04E-03	5.41E-03	6.13E-04
2535	438051	3724919	5.93E-03	1.06E-03	5.54E-03	6.27E-04
2536	438057.2	3724926	6.07E-03	1.08E-03	5.66E-03	6.40E-04
2537	438063.4	3724933	6.19E-03	1.10E-03	5.78E-03	6.52E-04
2538	438069.6	3724940	6.32E-03	1.13E-03	5.89E-03	6.64E-04
2539	438075.8	3724947	6.48E-03	1.15E-03	6.03E-03	6.80E-04
2540	438082	3724954	6.64E-03	1.18E-03	6.17E-03	6.95E-04
2541	438088.2	3724961	6.79E-03	1.21E-03	6.31E-03	7.09E-04
2542	438094.4	3724968	6.92E-03	1.23E-03	6.43E-03	7.22E-04

2543	437992.1	3724860	4.75E-03	8.60E-04	4.47E-03	5.13E-04
2544	437984.3	3724855	4.66E-03	8.45E-04	4.39E-03	5.04E-04
2545	437976.6	3724849	4.55E-03	8.25E-04	4.29E-03	4.93E-04
2546	437968.8	3724844	4.41E-03	8.03E-04	4.17E-03	4.80E-04
2547	437961.1	3724839	4.29E-03	7.81E-04	4.05E-03	4.68E-04
2548	437953.3	3724833	4.16E-03	7.60E-04	3.94E-03	4.56E-04
2549	437945.6	3724828	4.02E-03	7.36E-04	3.81E-03	4.42E-04
2550	438030.7	3724853	4.43E-03	8.01E-04	4.17E-03	4.77E-04
2551	438036.8	3724860	4.55E-03	8.20E-04	4.27E-03	4.88E-04
2552	438067.2	3724894	5.09E-03	9.13E-04	4.76E-03	5.41E-04
2553	438073.3	3724901	5.20E-03	9.31E-04	4.86E-03	5.51E-04
2554	438079.4	3724907	5.31E-03	9.49E-04	4.96E-03	5.61E-04
2555	438085.4	3724914	5.43E-03	9.70E-04	5.07E-03	5.73E-04
2556	438091.5	3724921	5.54E-03	9.90E-04	5.17E-03	5.84E-04
2557	438097.6	3724928	5.66E-03	1.01E-03	5.27E-03	5.95E-04
2558	438103.7	3724935	5.75E-03	1.03E-03	5.36E-03	6.04E-04
2559	438024.6	3724846	4.32E-03	7.81E-04	4.06E-03	4.65E-04
2560	438016.9	3724841	4.23E-03	7.65E-04	3.98E-03	4.56E-04
2561	438009.1	3724835	4.13E-03	7.48E-04	3.89E-03	4.47E-04
2562	438001.3	3724830	4.03E-03	7.32E-04	3.81E-03	4.38E-04
2563	437993.6	3724825	3.93E-03	7.15E-04	3.71E-03	4.28E-04
2564	437985.8	3724819	3.83E-03	6.97E-04	3.62E-03	4.18E-04
2565	437978.1	3724814	3.72E-03	6.79E-04	3.52E-03	4.07E-04
2566	437970.3	3724809	3.63E-03	6.62E-04	3.44E-03	3.98E-04
2567	437962.6	3724803	3.53E-03	6.45E-04	3.34E-03	3.88E-04
2568	438190.8	3724988	6.04E-03	1.07E-03	5.60E-03	6.29E-04
2569	438197	3724995	6.13E-03	1.09E-03	5.69E-03	6.37E-04
2570	438018.3	3724805	3.54E-03	6.44E-04	3.35E-03	3.85E-04
2571	438010.6	3724800	3.46E-03	6.29E-04	3.26E-03	3.77E-04
2572	438002.8	3724795	3.37E-03	6.13E-04	3.18E-03	3.68E-04
2573	437995.1	3724789	3.28E-03	5.98E-04	3.10E-03	3.59E-04
2574	437987.3	3724784	3.18E-03	5.82E-04	3.02E-03	3.49E-04
2575	437979.6	3724779	3.08E-03	5.64E-04	2.92E-03	3.39E-04
2576	438107.5	3724851	4.09E-03	7.35E-04	3.83E-03	4.36E-04
2577	438113.6	3724858	4.17E-03	7.49E-04	3.91E-03	4.44E-04
2578	438119.7	3724865	4.25E-03	7.63E-04	3.98E-03	4.52E-04
2579	438125.8	3724872	4.33E-03	7.77E-04	4.05E-03	4.60E-04
2580	438131.9	3724879	4.41E-03	7.89E-04	4.12E-03	4.67E-04
2581	438138	3724886	4.47E-03	8.00E-04	4.18E-03	4.73E-04
2582	438144.1	3724892	4.54E-03	8.11E-04	4.24E-03	4.80E-04
2583	438150.2	3724899	4.60E-03	8.22E-04	4.29E-03	4.86E-04
2584	438156.4	3724906	4.66E-03	8.33E-04	4.35E-03	4.92E-04
2585	438162.5	3724913	4.72E-03	8.43E-04	4.40E-03	4.97E-04
2586	438168.6	3724920	4.78E-03	8.53E-04	4.46E-03	5.03E-04
2587	438081.8	3724779	3.06E-03	5.56E-04	2.89E-03	3.32E-04
2588	438088	3724786	3.15E-03	5.71E-04	2.97E-03	3.41E-04
2589	438094.3	3724793	3.23E-03	5.84E-04	3.04E-03	3.48E-04
2590	438100.5	3724800	3.31E-03	5.98E-04	3.11E-03	3.56E-04
2591	438106.7	3724807	3.39E-03	6.11E-04	3.18E-03	3.64E-04
2592	438113	3724814	3.47E-03	6.25E-04	3.26E-03	3.72E-04
2593	438119.2	3724821	3.55E-03	6.40E-04	3.33E-03	3.81E-04
2594	438125.4	3724828	3.64E-03	6.55E-04	3.41E-03	3.89E-04

2595	438131.6	3724835	3.72E-03	6.69E-04	3.49E-03	3.97E-04
2596	438137.9	3724842	3.80E-03	6.82E-04	3.56E-03	4.05E-04
2597	438144.1	3724849	3.87E-03	6.95E-04	3.63E-03	4.12E-04
2598	438150.3	3724856	3.94E-03	7.06E-04	3.69E-03	4.19E-04
2599	438156.5	3724863	4.00E-03	7.17E-04	3.74E-03	4.25E-04
2600	438162.8	3724870	4.06E-03	7.27E-04	3.80E-03	4.31E-04
2601	438169	3724877	4.12E-03	7.37E-04	3.85E-03	4.36E-04
2602	438175.2	3724884	4.17E-03	7.46E-04	3.90E-03	4.41E-04
2603	438181.5	3724891	4.22E-03	7.55E-04	3.94E-03	4.46E-04
2604	438075.6	3724772	2.98E-03	5.41E-04	2.81E-03	3.23E-04
2605	438067.8	3724766	2.92E-03	5.30E-04	2.75E-03	3.17E-04
2606	438060.1	3724761	2.86E-03	5.19E-04	2.70E-03	3.11E-04
2607	438052.3	3724756	2.80E-03	5.09E-04	2.64E-03	3.05E-04
2608	438044.6	3724750	2.72E-03	4.96E-04	2.58E-03	2.98E-04
2609	438036.8	3724745	2.65E-03	4.83E-04	2.50E-03	2.90E-04
2610	438029.1	3724740	2.56E-03	4.68E-04	2.43E-03	2.81E-04
2611	438021.3	3724734	2.48E-03	4.54E-04	2.35E-03	2.73E-04
2612	438013.6	3724729	2.40E-03	4.40E-04	2.28E-03	2.65E-04
2613	438098.7	3724754	2.72E-03	4.94E-04	2.57E-03	2.95E-04
2614	438104.9	3724761	2.80E-03	5.07E-04	2.64E-03	3.03E-04
2615	438111	3724768	2.87E-03	5.19E-04	2.70E-03	3.10E-04
2616	438117.1	3724775	2.94E-03	5.32E-04	2.77E-03	3.17E-04
2617	438123.2	3724781	3.01E-03	5.44E-04	2.83E-03	3.24E-04
2618	438129.4	3724788	3.08E-03	5.56E-04	2.90E-03	3.31E-04
2619	438135.5	3724795	3.15E-03	5.69E-04	2.96E-03	3.39E-04
2620	438141.6	3724802	3.22E-03	5.81E-04	3.02E-03	3.46E-04
2621	438147.8	3724809	3.29E-03	5.92E-04	3.09E-03	3.52E-04
2622	438153.9	3724816	3.35E-03	6.03E-04	3.14E-03	3.59E-04
2623	438160	3724823	3.42E-03	6.15E-04	3.21E-03	3.65E-04
2624	438166.2	3724830	3.49E-03	6.27E-04	3.27E-03	3.72E-04
2625	438172.3	3724836	3.55E-03	6.37E-04	3.32E-03	3.78E-04
2626	438178.4	3724843	3.61E-03	6.47E-04	3.38E-03	3.84E-04
2627	438092.6	3724747	2.64E-03	4.79E-04	2.49E-03	2.87E-04
2628	438084.8	3724742	2.58E-03	4.69E-04	2.43E-03	2.80E-04
2629	438077.1	3724736	2.51E-03	4.58E-04	2.37E-03	2.74E-04
2630	438069.3	3724731	2.45E-03	4.46E-04	2.32E-03	2.68E-04
2631	438061.6	3724726	2.39E-03	4.35E-04	2.26E-03	2.61E-04
2632	438053.8	3724720	2.32E-03	4.24E-04	2.20E-03	2.55E-04
2633	438046.1	3724715	2.26E-03	4.13E-04	2.14E-03	2.48E-04
2634	438038.3	3724710	2.19E-03	4.01E-04	2.08E-03	2.41E-04
2635	438030.5	3724704	2.12E-03	3.89E-04	2.01E-03	2.34E-04
2636	438133.7	3724735	2.45E-03	4.44E-04	2.31E-03	2.65E-04
2637	438139.8	3724742	2.51E-03	4.55E-04	2.37E-03	2.72E-04
2638	438146	3724749	2.58E-03	4.67E-04	2.43E-03	2.78E-04
2639	438152.1	3724755	2.64E-03	4.78E-04	2.48E-03	2.85E-04
2640	438061	3724677	1.89E-03	3.46E-04	1.79E-03	2.08E-04
2641	438053.2	3724671	1.83E-03	3.36E-04	1.74E-03	2.02E-04
2642	437653.6	3725160	9.30E-02	1.72E-02	8.90E-02	1.04E-02
2643	437639.3	3725150	7.72E-02	1.52E-02	7.70E-02	9.56E-03
2644	437688	3725172	1.21E-01	2.11E-02	1.11E-01	1.22E-02
2645	437673.7	3725162	9.71E-02	1.74E-02	9.08E-02	1.03E-02
2646	437659.4	3725152	7.56E-02	1.41E-02	7.27E-02	8.58E-03

2647	437645.1	3725142	6.30E-02	1.24E-02	6.29E-02	7.81E-03
2648	437693.8	3725164	9.72E-02	1.71E-02	8.98E-02	9.94E-03
2649	437679.5	3725154	7.87E-02	1.42E-02	7.39E-02	8.42E-03
2650	437665.2	3725144	6.34E-02	1.19E-02	6.11E-02	7.25E-03
2651	437650.9	3725133	5.30E-02	1.04E-02	5.28E-02	6.56E-03
2652	437699.7	3725156	8.03E-02	1.42E-02	7.44E-02	8.30E-03
2653	437685.4	3725146	6.59E-02	1.20E-02	6.22E-02	7.13E-03
2654	437671.1	3725136	5.47E-02	1.03E-02	5.29E-02	6.29E-03
2655	437656.8	3725125	4.61E-02	9.04E-03	4.58E-02	5.68E-03
2656	437705.5	3725148	6.77E-02	1.20E-02	6.30E-02	7.07E-03
2657	437691.2	3725138	5.74E-02	1.05E-02	5.43E-02	6.25E-03
2658	437676.9	3725127	4.81E-02	9.06E-03	4.65E-02	5.55E-03
2659	437662.6	3725117	4.06E-02	7.96E-03	4.04E-02	4.99E-03
2660	437711.3	3725140	5.91E-02	1.05E-02	5.52E-02	6.22E-03
2661	437697	3725130	5.07E-02	9.27E-03	4.81E-02	5.56E-03
2662	437682.7	3725119	4.29E-02	8.08E-03	4.15E-02	4.95E-03
2663	437668.4	3725109	3.75E-02	7.31E-03	3.71E-02	4.57E-03
2664	437717.2	3725132	5.21E-02	9.33E-03	4.87E-02	5.51E-03
2665	437702.9	3725121	4.54E-02	8.31E-03	4.31E-02	4.99E-03
2666	437688.6	3725111	3.90E-02	7.35E-03	3.77E-02	4.50E-03
2667	437674.3	3725101	3.48E-02	6.76E-03	3.44E-02	4.22E-03
2668	437723	3725124	4.60E-02	8.26E-03	4.31E-02	4.89E-03
2669	437708.7	3725113	4.09E-02	7.51E-03	3.89E-02	4.52E-03
2670	437694.4	3725103	3.56E-02	6.71E-03	3.45E-02	4.11E-03
2671	437680.1	3725093	3.26E-02	6.29E-03	3.20E-02	3.91E-03
2672	437728.8	3725115	4.06E-02	7.32E-03	3.82E-02	4.35E-03
2673	437714.5	3725105	3.64E-02	6.69E-03	3.46E-02	4.03E-03
2674	437700.2	3725095	3.24E-02	6.10E-03	3.14E-02	3.73E-03
2675	437685.9	3725085	2.93E-02	5.64E-03	2.88E-02	3.51E-03
2676	437734.7	3725107	3.61E-02	6.53E-03	3.40E-02	3.88E-03
2677	437720.4	3725097	3.25E-02	5.98E-03	3.09E-02	3.60E-03
2678	437706.1	3725087	2.94E-02	5.52E-03	2.84E-02	3.37E-03
2679	437691.8	3725077	2.62E-02	5.04E-03	2.57E-02	3.13E-03
2680	437793	3725026	1.57E-02	2.86E-03	1.49E-02	1.72E-03
2681	437778.7	3725016	1.42E-02	2.61E-03	1.35E-02	1.58E-03
2682	437764.4	3725006	1.27E-02	2.37E-03	1.22E-02	1.45E-03
2683	437750.1	3724995	1.13E-02	2.14E-03	1.10E-02	1.32E-03
2684	437804.7	3725010	1.36E-02	2.48E-03	1.29E-02	1.49E-03
2685	437790.4	3725000	1.23E-02	2.27E-03	1.18E-02	1.37E-03
2686	437776.1	3724989	1.11E-02	2.07E-03	1.06E-02	1.26E-03
2687	437761.8	3724979	9.86E-03	1.86E-03	9.56E-03	1.14E-03
2688	437816.3	3724994	1.19E-02	2.17E-03	1.12E-02	1.30E-03
2689	437787.7	3724973	9.70E-03	1.81E-03	9.32E-03	1.10E-03
2690	437773.4	3724963	8.68E-03	1.64E-03	8.40E-03	1.00E-03
2691	437813.7	3724967	9.47E-03	1.75E-03	9.04E-03	1.06E-03
2692	437839.7	3724961	9.18E-03	1.68E-03	8.72E-03	1.01E-03
2693	437825.4	3724951	8.39E-03	1.55E-03	8.00E-03	9.36E-04
2694	437811.1	3724941	7.61E-03	1.42E-03	7.30E-03	8.61E-04
2695	437796.8	3724930	6.85E-03	1.29E-03	6.61E-03	7.86E-04
2696	437851.3	3724945	8.16E-03	1.50E-03	7.75E-03	9.00E-04
2697	437837	3724935	7.48E-03	1.38E-03	7.14E-03	8.34E-04
2698	437822.7	3724924	6.80E-03	1.27E-03	6.52E-03	7.68E-04

2699	437808.4	3724914	6.15E-03	1.15E-03	5.92E-03	7.03E-04
2700	437868.9	3724921	6.91E-03	1.27E-03	6.56E-03	7.62E-04
2701	437854.5	3724910	6.35E-03	1.17E-03	6.05E-03	7.07E-04
2702	437840.2	3724900	5.80E-03	1.08E-03	5.56E-03	6.54E-04
2703	437825.9	3724890	5.27E-03	9.86E-04	5.07E-03	6.01E-04
2704	437886.4	3724896	5.91E-03	1.08E-03	5.61E-03	6.52E-04
2705	437872	3724886	5.45E-03	1.00E-03	5.19E-03	6.06E-04
2706	437857.7	3724876	5.00E-03	9.26E-04	4.78E-03	5.61E-04
2707	437843.4	3724865	4.57E-03	8.51E-04	4.38E-03	5.18E-04
2708	437899.9	3724832	3.97E-03	7.31E-04	3.78E-03	4.42E-04
2709	437885.6	3724822	3.66E-03	6.78E-04	3.50E-03	4.11E-04
2710	437931.7	3724818	3.76E-03	6.91E-04	3.58E-03	4.16E-04
2711	437917.4	3724808	3.50E-03	6.44E-04	3.33E-03	3.89E-04
2712	437903.1	3724797	3.24E-03	5.99E-04	3.09E-03	3.62E-04
2713	437949.2	3724794	3.33E-03	6.11E-04	3.16E-03	3.68E-04
2714	437934.9	3724783	3.10E-03	5.71E-04	2.95E-03	3.44E-04
2715	437920.6	3724773	2.88E-03	5.32E-04	2.75E-03	3.22E-04
2716	437966.7	3724769	2.92E-03	5.35E-04	2.77E-03	3.22E-04
2717	437952.4	3724759	2.74E-03	5.04E-04	2.61E-03	3.04E-04
2718	437938.1	3724749	2.56E-03	4.72E-04	2.44E-03	2.86E-04
2719	437955.6	3724724	2.24E-03	4.13E-04	2.13E-03	2.50E-04
2720	438019.2	3724696	2.01E-03	3.70E-04	1.91E-03	2.23E-04
2721	438004.9	3724686	1.87E-03	3.45E-04	1.78E-03	2.08E-04
2722	438042.5	3724664	1.75E-03	3.22E-04	1.67E-03	1.94E-04
2723	437619.6	3725133	7.11E-02	1.50E-02	7.43E-02	9.81E-03
2724	437615	3725125	6.40E-02	1.36E-02	6.74E-02	8.98E-03
2725	437607.8	3725117	6.18E-02	1.33E-02	6.55E-02	8.80E-03
2726	437623.1	3725111	4.49E-02	9.47E-03	4.70E-02	6.21E-03
2727	437638.7	3725110	4.00E-02	8.24E-03	4.12E-02	5.32E-03
2728	437600.8	3725110	6.07E-02	1.31E-02	6.46E-02	8.72E-03
2729	437615.5	3725104	4.38E-02	9.33E-03	4.61E-02	6.15E-03
2730	437637.9	3725100	3.62E-02	7.47E-03	3.73E-02	4.84E-03
2731	437593.9	3725103	5.79E-02	1.26E-02	6.19E-02	8.39E-03
2732	437608.2	3725097	4.24E-02	9.09E-03	4.49E-02	6.01E-03
2733	437622.6	3725091	3.43E-02	7.23E-03	3.58E-02	4.74E-03
2734	437637.1	3725090	3.27E-02	6.75E-03	3.37E-02	4.38E-03
2735	437588.3	3725095	5.21E-02	1.13E-02	5.57E-02	7.57E-03
2736	437604.6	3725088	3.78E-02	8.11E-03	4.00E-02	5.36E-03
2737	437621	3725081	3.02E-02	6.38E-03	3.16E-02	4.18E-03
2738	437637.7	3725080	2.91E-02	6.01E-03	3.00E-02	3.90E-03
2739	437654.6	3725085	3.03E-02	6.11E-03	3.07E-02	3.90E-03
2740	437581.3	3725087	4.69E-02	1.03E-02	5.03E-02	6.85E-03
2741	437597.1	3725081	3.56E-02	7.65E-03	3.77E-02	5.07E-03
2742	437612.9	3725074	2.88E-02	6.11E-03	3.02E-02	4.02E-03
2743	437636.8	3725070	2.53E-02	5.24E-03	2.61E-02	3.40E-03
2744	437669.6	3725080	2.77E-02	5.48E-03	2.77E-02	3.46E-03
2745	437566.8	3725097	7.45E-02	1.65E-02	8.07E-02	1.11E-02
2746	437574.5	3725080	4.23E-02	9.25E-03	4.54E-02	6.18E-03
2747	437589.8	3725074	3.27E-02	7.06E-03	3.48E-02	4.69E-03
2748	437605.1	3725067	2.68E-02	5.70E-03	2.82E-02	3.76E-03
2749	437560.1	3725089	6.51E-02	1.44E-02	7.04E-02	9.70E-03
2750	437561.6	3725065	3.23E-02	7.05E-03	3.46E-02	4.70E-03

2751	437578	3725058	2.54E-02	5.49E-03	2.70E-02	3.64E-03
2752	437594.3	3725051	2.12E-02	4.53E-03	2.24E-02	2.99E-03
2753	437546.8	3725074	4.77E-02	1.05E-02	5.15E-02	7.07E-03
2754	437547.9	3725050	2.28E-02	4.93E-03	2.42E-02	3.27E-03
2755	437563.5	3725044	1.95E-02	4.20E-03	2.07E-02	2.78E-03
2756	437533.4	3725059	2.99E-02	6.54E-03	3.21E-02	4.37E-03
2757	437699.2	3724980	8.90E-03	1.75E-03	8.88E-03	1.11E-03
2758	437716.2	3724985	9.68E-03	1.89E-03	9.58E-03	1.18E-03
2759	437733.1	3724990	1.05E-02	2.02E-03	1.03E-02	1.25E-03
2760	437662.9	3724950	5.92E-03	1.19E-03	5.98E-03	7.59E-04
2761	437679.4	3724955	6.53E-03	1.30E-03	6.57E-03	8.28E-04
2762	437695.9	3724960	7.15E-03	1.41E-03	7.15E-03	8.94E-04
2763	437712.3	3724965	7.80E-03	1.53E-03	7.74E-03	9.58E-04
2764	437728.8	3724969	8.48E-03	1.64E-03	8.35E-03	1.02E-03
2765	437745.3	3724974	9.16E-03	1.75E-03	8.95E-03	1.08E-03
2766	437466.8	3725012	5.33E-03	1.04E-03	5.29E-03	6.55E-04
2767	437453.4	3725024	5.77E-03	1.13E-03	5.74E-03	7.12E-04
2768	437440	3725036	6.19E-03	1.22E-03	6.17E-03	7.67E-04
2769	437481.7	3724975	3.76E-03	7.27E-04	3.70E-03	4.52E-04
2770	437498	3724969	3.73E-03	7.26E-04	3.69E-03	4.54E-04
2771	437514.4	3724962	3.71E-03	7.29E-04	3.69E-03	4.58E-04
2772	437646.1	3724926	4.34E-03	8.74E-04	4.39E-03	5.58E-04
2773	437663.1	3724931	4.85E-03	9.72E-04	4.89E-03	6.19E-04
2774	437680.1	3724935	5.38E-03	1.07E-03	5.41E-03	6.80E-04
2775	437697	3724940	5.94E-03	1.17E-03	5.93E-03	7.41E-04
2776	437714	3724945	6.52E-03	1.28E-03	6.47E-03	8.00E-04
2777	437731	3724950	7.12E-03	1.38E-03	7.02E-03	8.60E-04
2778	437748	3724955	7.74E-03	1.48E-03	7.57E-03	9.18E-04
2779	437466.8	3724985	3.95E-03	7.60E-04	3.87E-03	4.72E-04
2780	437453.4	3724997	4.28E-03	8.25E-04	4.21E-03	5.13E-04
2781	437440.1	3725009	4.63E-03	8.96E-04	4.56E-03	5.58E-04
2782	437426.7	3725021	4.96E-03	9.62E-04	4.90E-03	6.00E-04
2783	437468.1	3724961	3.13E-03	5.96E-04	3.05E-03	3.68E-04
2784	437484.1	3724954	3.06E-03	5.86E-04	3.00E-03	3.63E-04
2785	437500	3724947	3.02E-03	5.82E-04	2.96E-03	3.62E-04
2786	437516	3724941	2.99E-03	5.81E-04	2.95E-03	3.63E-04
2787	437531.9	3724934	2.97E-03	5.83E-04	2.95E-03	3.66E-04
2788	437661	3724910	3.96E-03	7.90E-04	3.98E-03	5.02E-04
2789	437677.5	3724915	4.40E-03	8.74E-04	4.41E-03	5.54E-04
2790	437694.1	3724920	4.86E-03	9.59E-04	4.85E-03	6.06E-04
2791	437710.6	3724925	5.34E-03	1.05E-03	5.31E-03	6.58E-04
2792	437727.2	3724930	5.84E-03	1.14E-03	5.77E-03	7.10E-04
2793	437743.7	3724934	6.36E-03	1.23E-03	6.25E-03	7.61E-04
2794	437760.3	3724939	6.89E-03	1.31E-03	6.72E-03	8.12E-04
2795	437453.5	3724970	3.31E-03	6.29E-04	3.22E-03	3.87E-04
2796	437440.1	3724982	3.59E-03	6.83E-04	3.49E-03	4.21E-04
2797	437426.7	3724994	3.87E-03	7.39E-04	3.78E-03	4.57E-04
2798	437413.4	3725006	4.13E-03	7.92E-04	4.04E-03	4.90E-04
2799	437455	3724946	2.69E-03	5.06E-04	2.60E-03	3.10E-04
2800	437471.4	3724939	2.60E-03	4.92E-04	2.52E-03	3.02E-04
2801	437487.7	3724932	2.53E-03	4.82E-04	2.47E-03	2.97E-04
2802	437504.1	3724925	2.49E-03	4.77E-04	2.43E-03	2.95E-04

2803	437520.4	3724919	2.45E-03	4.74E-04	2.42E-03	2.96E-04
2804	437602.2	3724885	2.47E-03	4.91E-04	2.48E-03	3.12E-04
2805	437677.9	3724896	3.69E-03	7.31E-04	3.69E-03	4.62E-04
2806	437694.9	3724901	4.09E-03	8.07E-04	4.08E-03	5.09E-04
2807	437711.9	3724905	4.52E-03	8.85E-04	4.49E-03	5.56E-04
2808	437728.9	3724910	4.97E-03	9.65E-04	4.90E-03	6.03E-04
2809	437745.8	3724915	5.43E-03	1.05E-03	5.33E-03	6.50E-04
2810	437440.1	3724955	2.85E-03	5.36E-04	2.75E-03	3.28E-04
2811	437426.8	3724967	3.08E-03	5.81E-04	2.98E-03	3.57E-04
2812	437413.4	3724979	3.31E-03	6.27E-04	3.22E-03	3.85E-04
2813	437400.1	3724991	3.53E-03	6.70E-04	3.43E-03	4.12E-04
2814	437441.5	3724931	2.35E-03	4.40E-04	2.26E-03	2.68E-04
2815	437457.5	3724924	2.27E-03	4.25E-04	2.19E-03	2.59E-04
2816	437473.5	3724918	2.19E-03	4.13E-04	2.12E-03	2.53E-04
2817	437489.5	3724911	2.13E-03	4.04E-04	2.07E-03	2.48E-04
2818	437505.5	3724904	2.09E-03	3.98E-04	2.04E-03	2.46E-04
2819	437585.5	3724871	2.06E-03	4.05E-04	2.05E-03	2.55E-04
2820	437601.5	3724865	2.08E-03	4.10E-04	2.07E-03	2.59E-04
2821	437625.8	3724861	2.22E-03	4.39E-04	2.22E-03	2.78E-04
2822	437692.2	3724880	3.40E-03	6.69E-04	3.39E-03	4.22E-04
2823	437708.8	3724885	3.75E-03	7.35E-04	3.73E-03	4.62E-04
2824	437725.4	3724890	4.13E-03	8.03E-04	4.08E-03	5.03E-04
2825	437742	3724895	4.52E-03	8.73E-04	4.45E-03	5.44E-04
2826	437775.2	3724904	5.33E-03	1.01E-03	5.19E-03	6.26E-04
2827	437791.8	3724909	5.74E-03	1.08E-03	5.56E-03	6.65E-04
2828	437426.8	3724940	2.49E-03	4.67E-04	2.40E-03	2.84E-04
2829	437413.5	3724952	2.69E-03	5.05E-04	2.60E-03	3.08E-04
2830	437400.1	3724964	2.89E-03	5.43E-04	2.79E-03	3.32E-04
2831	437386.7	3724976	3.06E-03	5.77E-04	2.96E-03	3.54E-04
2832	437421.6	3724908	1.98E-03	3.67E-04	1.89E-03	2.22E-04
2833	437437.8	3724902	1.90E-03	3.52E-04	1.82E-03	2.14E-04
2834	437454	3724895	1.82E-03	3.39E-04	1.75E-03	2.06E-04
2835	437470.2	3724888	1.76E-03	3.28E-04	1.69E-03	1.99E-04
2836	437486.3	3724882	1.70E-03	3.19E-04	1.64E-03	1.95E-04
2837	437502.5	3724875	1.66E-03	3.13E-04	1.61E-03	1.92E-04
2838	437567.3	3724848	1.60E-03	3.12E-04	1.58E-03	1.95E-04
2839	437583.5	3724842	1.62E-03	3.16E-04	1.60E-03	1.98E-04
2840	437599.7	3724835	1.63E-03	3.20E-04	1.62E-03	2.01E-04
2841	437624.3	3724831	1.75E-03	3.43E-04	1.74E-03	2.16E-04
2842	437641.1	3724836	1.94E-03	3.82E-04	1.93E-03	2.41E-04
2843	437657.9	3724841	2.16E-03	4.25E-04	2.15E-03	2.68E-04
2844	437725.1	3724860	3.25E-03	6.32E-04	3.21E-03	3.95E-04
2845	437741.9	3724865	3.58E-03	6.91E-04	3.52E-03	4.30E-04
2846	437775.5	3724875	4.25E-03	8.09E-04	4.14E-03	5.00E-04
2847	437792.3	3724880	4.59E-03	8.69E-04	4.45E-03	5.34E-04
2848	437809.1	3724885	4.93E-03	9.27E-04	4.76E-03	5.68E-04
2849	437406.8	3724918	2.10E-03	3.89E-04	2.01E-03	2.36E-04
2850	437393.5	3724930	2.25E-03	4.19E-04	2.16E-03	2.55E-04
2851	437380.1	3724942	2.40E-03	4.48E-04	2.31E-03	2.73E-04
2852	437366.7	3724954	2.54E-03	4.75E-04	2.44E-03	2.90E-04
2853	437401.7	3724886	1.70E-03	3.14E-04	1.62E-03	1.89E-04
2854	437418	3724879	1.63E-03	3.01E-04	1.56E-03	1.81E-04

2855	437434.4	3724873	1.56E-03	2.88E-04	1.49E-03	1.74E-04
2856	437450.7	3724866	1.49E-03	2.76E-04	1.43E-03	1.67E-04
2857	437467.1	3724859	1.43E-03	2.66E-04	1.37E-03	1.61E-04
2858	437483.4	3724852	1.38E-03	2.58E-04	1.33E-03	1.57E-04
2859	437565.2	3724819	1.29E-03	2.50E-04	1.27E-03	1.55E-04
2860	437581.6	3724812	1.30E-03	2.53E-04	1.28E-03	1.58E-04
2861	437597.9	3724805	1.32E-03	2.56E-04	1.30E-03	1.60E-04
2862	437622.7	3724801	1.40E-03	2.74E-04	1.39E-03	1.72E-04
2863	437639.7	3724806	1.55E-03	3.02E-04	1.53E-03	1.90E-04
2864	437656.7	3724811	1.71E-03	3.35E-04	1.70E-03	2.11E-04
2865	437673.7	3724816	1.91E-03	3.74E-04	1.89E-03	2.35E-04
2866	437690.7	3724821	2.12E-03	4.15E-04	2.10E-03	2.60E-04
2867	437792.5	3724850	3.70E-03	7.03E-04	3.60E-03	4.33E-04
2868	437809.5	3724855	4.00E-03	7.54E-04	3.87E-03	4.63E-04
2869	437826.5	3724860	4.28E-03	8.03E-04	4.13E-03	4.91E-04
2870	437386.8	3724895	1.80E-03	3.32E-04	1.72E-03	2.01E-04
2871	437373.5	3724907	1.93E-03	3.56E-04	1.84E-03	2.16E-04
2872	437360.1	3724919	2.05E-03	3.79E-04	1.96E-03	2.30E-04
2873	437346.7	3724931	2.15E-03	4.00E-04	2.06E-03	2.43E-04
2874	437381.8	3724864	1.49E-03	2.74E-04	1.42E-03	1.65E-04
2875	437398.3	3724857	1.43E-03	2.62E-04	1.36E-03	1.57E-04
2876	437414.7	3724850	1.36E-03	2.50E-04	1.30E-03	1.50E-04
2877	437431.2	3724843	1.30E-03	2.39E-04	1.24E-03	1.44E-04
2878	437447.7	3724836	1.24E-03	2.29E-04	1.18E-03	1.38E-04
2879	437464.2	3724830	1.19E-03	2.20E-04	1.14E-03	1.33E-04
2880	437546.7	3724796	1.07E-03	2.03E-04	1.04E-03	1.25E-04
2881	437563.2	3724789	1.07E-03	2.04E-04	1.04E-03	1.27E-04
2882	437579.7	3724782	1.07E-03	2.06E-04	1.05E-03	1.28E-04
2883	437596.2	3724775	1.08E-03	2.09E-04	1.07E-03	1.30E-04
2884	437621.2	3724771	1.14E-03	2.20E-04	1.12E-03	1.37E-04
2885	437638.3	3724776	1.25E-03	2.42E-04	1.23E-03	1.51E-04
2886	437655.5	3724781	1.37E-03	2.67E-04	1.36E-03	1.67E-04
2887	437672.6	3724786	1.52E-03	2.95E-04	1.50E-03	1.85E-04
2888	437689.7	3724791	1.69E-03	3.27E-04	1.66E-03	2.04E-04
2889	437706.8	3724796	1.87E-03	3.63E-04	1.85E-03	2.27E-04
2890	437366.8	3724873	1.57E-03	2.89E-04	1.50E-03	1.74E-04
2891	437353.5	3724885	1.67E-03	3.08E-04	1.59E-03	1.86E-04
2892	437340.1	3724897	1.77E-03	3.27E-04	1.69E-03	1.97E-04
2893	437361.6	3724841	1.32E-03	2.42E-04	1.25E-03	1.45E-04
2894	437377.7	3724835	1.27E-03	2.32E-04	1.20E-03	1.39E-04
2895	437393.8	3724828	1.21E-03	2.22E-04	1.15E-03	1.33E-04
2896	437409.9	3724821	1.16E-03	2.12E-04	1.10E-03	1.27E-04
2897	437426	3724815	1.11E-03	2.02E-04	1.05E-03	1.22E-04
2898	437442	3724808	1.06E-03	1.94E-04	1.00E-03	1.17E-04
2899	437538.6	3724768	8.96E-04	1.69E-04	8.68E-04	1.04E-04
2900	437554.7	3724762	8.92E-04	1.70E-04	8.68E-04	1.05E-04
2901	437570.8	3724755	8.95E-04	1.71E-04	8.73E-04	1.06E-04
2902	437586.9	3724748	9.02E-04	1.73E-04	8.82E-04	1.07E-04
2903	437603	3724742	9.02E-04	1.73E-04	8.83E-04	1.08E-04
2904	437619.4	3724741	9.40E-04	1.81E-04	9.21E-04	1.12E-04
2905	437636.1	3724746	1.01E-03	1.94E-04	9.88E-04	1.21E-04
2906	437652.8	3724751	1.09E-03	2.10E-04	1.07E-03	1.31E-04

2907	437669.5	3724755	1.18E-03	2.29E-04	1.16E-03	1.43E-04
2908	437686.3	3724760	1.29E-03	2.50E-04	1.27E-03	1.56E-04
2909	437703	3724765	1.41E-03	2.74E-04	1.39E-03	1.71E-04
2910	437753.1	3724780	2.00E-03	3.82E-04	1.95E-03	2.37E-04
2911	437769.8	3724785	2.21E-03	4.22E-04	2.16E-03	2.61E-04
2912	437786.5	3724790	2.41E-03	4.59E-04	2.35E-03	2.84E-04
2913	437803.2	3724795	2.61E-03	4.95E-04	2.54E-03	3.05E-04
2914	437820	3724800	2.81E-03	5.31E-04	2.73E-03	3.26E-04
2915	437836.7	3724804	3.02E-03	5.67E-04	2.92E-03	3.47E-04
2916	437853.4	3724809	3.22E-03	6.03E-04	3.10E-03	3.68E-04
2917	437870.1	3724814	3.42E-03	6.36E-04	3.28E-03	3.87E-04
2918	437346.8	3724851	1.39E-03	2.54E-04	1.32E-03	1.53E-04
2919	437333.5	3724863	1.47E-03	2.70E-04	1.40E-03	1.63E-04
2920	437341.6	3724819	1.18E-03	2.16E-04	1.12E-03	1.29E-04
2921	437357.9	3724812	1.14E-03	2.07E-04	1.08E-03	1.24E-04
2922	437374.1	3724806	1.09E-03	1.98E-04	1.03E-03	1.19E-04
2923	437471.5	3724765	8.34E-04	1.54E-04	7.94E-04	9.28E-05
2924	437487.7	3724759	8.07E-04	1.49E-04	7.71E-04	9.06E-05
2925	437504	3724752	7.86E-04	1.46E-04	7.54E-04	8.91E-05
2926	437520.2	3724745	7.72E-04	1.45E-04	7.43E-04	8.83E-05
2927	437536.4	3724739	7.63E-04	1.44E-04	7.37E-04	8.81E-05
2928	437552.6	3724732	7.60E-04	1.44E-04	7.37E-04	8.85E-05
2929	437568.9	3724725	7.61E-04	1.45E-04	7.40E-04	8.93E-05
2930	437585.1	3724718	7.62E-04	1.45E-04	7.42E-04	8.98E-05
2931	437601.3	3724712	7.63E-04	1.46E-04	7.43E-04	9.00E-05
2932	437617.9	3724711	7.81E-04	1.49E-04	7.62E-04	9.26E-05
2933	437634.7	3724716	8.21E-04	1.58E-04	8.04E-04	9.80E-05
2934	437651.6	3724721	8.74E-04	1.68E-04	8.58E-04	1.05E-04
2935	437668.4	3724726	9.41E-04	1.82E-04	9.25E-04	1.13E-04
2936	437735.9	3724745	1.38E-03	2.65E-04	1.35E-03	1.65E-04
2937	437752.7	3724750	1.52E-03	2.92E-04	1.49E-03	1.81E-04
2938	437769.6	3724755	1.66E-03	3.17E-04	1.62E-03	1.96E-04
2939	437786.4	3724760	1.86E-03	3.54E-04	1.81E-03	2.19E-04
2940	437803.3	3724765	2.09E-03	3.96E-04	2.03E-03	2.44E-04
2941	437820.1	3724770	2.31E-03	4.36E-04	2.24E-03	2.68E-04
2942	437853.8	3724780	2.68E-03	5.02E-04	2.58E-03	3.07E-04
2943	437870.7	3724785	2.86E-03	5.33E-04	2.74E-03	3.24E-04
2944	437887.5	3724790	3.03E-03	5.62E-04	2.90E-03	3.41E-04
2945	437326.8	3724828	1.24E-03	2.27E-04	1.18E-03	1.36E-04
2946	437313.5	3724840	1.31E-03	2.40E-04	1.24E-03	1.44E-04
2947	437321.7	3724797	1.07E-03	1.95E-04	1.01E-03	1.17E-04
2948	437338.1	3724790	1.03E-03	1.87E-04	9.72E-04	1.12E-04
2949	437436.2	3724749	7.81E-04	1.43E-04	7.39E-04	8.55E-05
2950	437452.5	3724743	7.48E-04	1.37E-04	7.10E-04	8.24E-05
2951	437468.9	3724736	7.20E-04	1.32E-04	6.85E-04	7.99E-05
2952	437485.2	3724729	6.97E-04	1.29E-04	6.65E-04	7.80E-05
2953	437501.6	3724722	6.79E-04	1.26E-04	6.50E-04	7.66E-05
2954	437517.9	3724716	6.67E-04	1.24E-04	6.40E-04	7.58E-05
2955	437534.3	3724709	6.59E-04	1.24E-04	6.35E-04	7.56E-05
2956	437550.6	3724702	6.55E-04	1.24E-04	6.34E-04	7.59E-05
2957	437567	3724695	6.56E-04	1.24E-04	6.36E-04	7.65E-05
2958	437583.3	3724689	6.54E-04	1.24E-04	6.35E-04	7.65E-05

2959	437599.7	3724682	6.53E-04	1.24E-04	6.34E-04	7.65E-05
2960	437616.4	3724681	6.60E-04	1.26E-04	6.43E-04	7.79E-05
2961	437684.3	3724701	8.37E-04	1.61E-04	8.21E-04	1.00E-04
2962	437701.2	3724706	9.14E-04	1.76E-04	8.96E-04	1.09E-04
2963	437718.2	3724711	1.00E-03	1.93E-04	9.82E-04	1.20E-04
2964	437735.2	3724716	1.10E-03	2.11E-04	1.07E-03	1.31E-04
2965	437752.2	3724721	1.22E-03	2.34E-04	1.19E-03	1.45E-04
2966	437769.1	3724726	1.36E-03	2.59E-04	1.32E-03	1.60E-04
2967	437786.1	3724731	1.51E-03	2.87E-04	1.47E-03	1.77E-04
2968	437871	3724755	2.40E-03	4.47E-04	2.30E-03	2.73E-04
2969	437888	3724760	2.55E-03	4.75E-04	2.45E-03	2.89E-04
2970	437905	3724765	2.70E-03	5.00E-04	2.58E-03	3.03E-04
2971	437306.8	3724806	1.12E-03	2.04E-04	1.06E-03	1.22E-04
2972	437301.8	3724774	9.74E-04	1.77E-04	9.20E-04	1.06E-04
2973	437400.5	3724733	7.47E-04	1.36E-04	7.05E-04	8.10E-05
2974	437417	3724727	7.12E-04	1.30E-04	6.73E-04	7.75E-05
2975	437433.4	3724720	6.81E-04	1.24E-04	6.44E-04	7.44E-05
2976	437449.9	3724713	6.53E-04	1.19E-04	6.19E-04	7.17E-05
2977	437466.4	3724706	6.28E-04	1.15E-04	5.97E-04	6.95E-05
2978	437482.8	3724699	6.09E-04	1.12E-04	5.80E-04	6.78E-05
2979	437499.3	3724693	5.93E-04	1.10E-04	5.67E-04	6.67E-05
2980	437515.7	3724686	5.83E-04	1.08E-04	5.59E-04	6.60E-05
2981	437532.2	3724679	5.75E-04	1.08E-04	5.54E-04	6.57E-05
2982	437548.7	3724672	5.72E-04	1.08E-04	5.52E-04	6.59E-05
2983	437565.1	3724665	5.72E-04	1.08E-04	5.54E-04	6.63E-05
2984	437581.6	3724659	5.68E-04	1.07E-04	5.50E-04	6.59E-05
2985	437598	3724652	5.56E-04	1.05E-04	5.39E-04	6.48E-05
2986	437649	3724661	6.16E-04	1.18E-04	6.02E-04	7.31E-05
2987	437666.1	3724666	6.64E-04	1.27E-04	6.49E-04	7.89E-05
2988	437683.2	3724671	7.14E-04	1.37E-04	6.98E-04	8.50E-05
2989	437700.3	3724676	7.68E-04	1.47E-04	7.51E-04	9.15E-05
2990	437717.3	3724681	8.36E-04	1.60E-04	8.18E-04	9.96E-05
2991	437734.4	3724686	9.17E-04	1.76E-04	8.96E-04	1.09E-04
2992	437751.5	3724691	1.02E-03	1.94E-04	9.93E-04	1.20E-04
2993	437888.2	3724731	2.16E-03	4.03E-04	2.07E-03	2.45E-04
2994	437905.3	3724736	2.29E-03	4.26E-04	2.20E-03	2.59E-04
2995	437922.4	3724741	2.42E-03	4.48E-04	2.31E-03	2.72E-04
2996	437381.2	3724711	6.89E-04	1.25E-04	6.49E-04	7.44E-05
2997	437397.7	3724704	6.56E-04	1.19E-04	6.19E-04	7.11E-05
2998	437414.3	3724697	6.26E-04	1.14E-04	5.91E-04	6.80E-05
2999	437430.8	3724690	5.99E-04	1.09E-04	5.66E-04	6.53E-05
3000	437447.4	3724683	5.74E-04	1.05E-04	5.44E-04	6.30E-05
3001	437463.9	3724677	5.54E-04	1.01E-04	5.26E-04	6.11E-05
3002	437480.5	3724670	5.37E-04	9.88E-05	5.11E-04	5.96E-05
3003	437497.1	3724663	5.23E-04	9.68E-05	5.00E-04	5.86E-05
3004	437513.6	3724656	5.14E-04	9.54E-05	4.92E-04	5.80E-05
3005	437530.2	3724649	5.08E-04	9.48E-05	4.88E-04	5.78E-05
3006	437699.2	3724646	6.73E-04	1.29E-04	6.57E-04	7.98E-05
3007	437716.4	3724651	7.31E-04	1.40E-04	7.14E-04	8.67E-05
3008	437785.2	3724671	1.11E-03	2.10E-04	1.07E-03	1.30E-04
3009	437793.7	3724674	1.17E-03	2.22E-04	1.13E-03	1.37E-04
3010	437810.9	3724679	1.30E-03	2.46E-04	1.26E-03	1.51E-04

3011	437828.1	3724684	1.44E-03	2.72E-04	1.40E-03	1.67E-04
3012	437845.3	3724689	1.56E-03	2.93E-04	1.50E-03	1.79E-04
3013	437862.5	3724694	1.67E-03	3.14E-04	1.61E-03	1.92E-04
3014	437879.7	3724699	1.78E-03	3.33E-04	1.72E-03	2.03E-04
3015	437914.1	3724709	1.98E-03	3.68E-04	1.90E-03	2.24E-04
3016	437931.3	3724714	2.07E-03	3.83E-04	1.98E-03	2.33E-04
3017	437359.2	3724689	6.44E-04	1.16E-04	6.06E-04	6.94E-05
3018	437375.5	3724682	6.15E-04	1.11E-04	5.78E-04	6.63E-05
3019	437391.7	3724676	5.86E-04	1.06E-04	5.52E-04	6.34E-05
3020	437408	3724669	5.60E-04	1.02E-04	5.28E-04	6.07E-05
3021	437424.2	3724662	5.36E-04	9.75E-05	5.06E-04	5.84E-05
3022	437440.5	3724656	5.15E-04	9.39E-05	4.87E-04	5.63E-05
3023	437780.3	3724640	9.33E-04	1.77E-04	9.06E-04	1.09E-04
3024	437797.2	3724645	1.04E-03	1.96E-04	1.00E-03	1.21E-04
3025	437814	3724650	1.15E-03	2.17E-04	1.11E-03	1.33E-04
3026	437830.9	3724655	1.26E-03	2.37E-04	1.22E-03	1.46E-04
3027	437847.8	3724660	1.35E-03	2.54E-04	1.30E-03	1.55E-04
3028	437864.7	3724665	1.44E-03	2.69E-04	1.38E-03	1.65E-04
3029	437881.6	3724670	1.52E-03	2.83E-04	1.46E-03	1.73E-04
3030	437898.4	3724675	1.60E-03	2.98E-04	1.53E-03	1.81E-04
3031	437290.8	3724687	6.86E-04	1.24E-04	6.45E-04	7.39E-05
3032	437307.1	3724680	6.58E-04	1.19E-04	6.19E-04	7.08E-05
3033	437323.5	3724673	6.30E-04	1.14E-04	5.92E-04	6.78E-05
3034	437339.8	3724667	6.02E-04	1.09E-04	5.66E-04	6.47E-05
3035	437356.2	3724660	5.74E-04	1.04E-04	5.40E-04	6.18E-05
3036	437372.5	3724653	5.48E-04	9.90E-05	5.15E-04	5.90E-05
3037	437881.6	3724641	1.29E-03	2.42E-04	1.24E-03	1.48E-04
3038	437264.1	3724657	6.29E-04	1.14E-04	5.92E-04	6.77E-05
3039	437280.5	3724650	6.05E-04	1.09E-04	5.68E-04	6.50E-05
3040	437296.8	3724644	5.80E-04	1.05E-04	5.45E-04	6.23E-05
3041	437313.2	3724637	5.55E-04	1.00E-04	5.21E-04	5.96E-05
3042	437329.5	3724630	5.30E-04	9.57E-05	4.98E-04	5.69E-05
3043	437345.9	3724623	5.06E-04	9.14E-05	4.76E-04	5.44E-05
3044	437160.1	3724722	8.06E-04	1.47E-04	7.61E-04	8.79E-05
3045	437253.8	3724620	5.59E-04	1.01E-04	5.25E-04	6.00E-05
3046	437270.2	3724614	5.37E-04	9.69E-05	5.05E-04	5.76E-05
3047	437286.5	3724607	5.15E-04	9.29E-05	4.84E-04	5.52E-05
3048	437302.9	3724600	4.93E-04	8.89E-05	4.63E-04	5.29E-05
3049	437319.2	3724593	4.72E-04	8.50E-05	4.43E-04	5.06E-05
3050	437133.5	3724693	7.34E-04	1.33E-04	6.93E-04	7.99E-05
3051	437120.2	3724651	6.53E-04	1.19E-04	6.16E-04	7.10E-05
3052	437106.8	3724663	6.72E-04	1.22E-04	6.35E-04	7.32E-05
3053	437106.9	3724609	5.86E-04	1.06E-04	5.52E-04	6.35E-05
3054	437093.5	3724621	6.04E-04	1.10E-04	5.70E-04	6.56E-05
3055	437080.1	3724633	6.21E-04	1.13E-04	5.86E-04	6.76E-05
3056	437080.2	3724579	5.45E-04	9.89E-05	5.14E-04	5.91E-05
3057	437066.9	3724591	5.62E-04	1.02E-04	5.29E-04	6.10E-05
3058	437053.5	3724603	5.77E-04	1.05E-04	5.45E-04	6.28E-05
3059	437000.2	3724544	5.06E-04	9.19E-05	4.77E-04	5.50E-05
3060	436986.9	3724502	4.66E-04	8.46E-05	4.40E-04	5.06E-05
3061	436973.5	3724514	4.78E-04	8.69E-05	4.51E-04	5.20E-05
3062	436986.9	3724448	4.18E-04	7.57E-05	3.93E-04	4.52E-05

3063	436973.6	3724460	4.29E-04	7.79E-05	4.05E-04	4.66E-05
3064	436960.2	3724472	4.41E-04	8.00E-05	4.16E-04	4.79E-05
3065	436946.9	3724484	4.52E-04	8.21E-05	4.26E-04	4.91E-05
3066	436975.1	3724409	3.88E-04	7.03E-05	3.65E-04	4.20E-05
3067	436960.3	3724418	3.98E-04	7.21E-05	3.75E-04	4.31E-05
3068	436946.9	3724430	4.09E-04	7.41E-05	3.85E-04	4.43E-05
3069	436933.6	3724442	4.18E-04	7.60E-05	3.95E-04	4.55E-05
3070	436920.2	3724454	4.28E-04	7.78E-05	4.04E-04	4.66E-05
3071	437422	3725106	1.17E-02	2.39E-03	1.20E-02	1.54E-03
3072	437414.7	3725112	1.13E-02	2.30E-03	1.15E-02	1.48E-03
3073	437423.3	3725078	8.74E-03	1.75E-03	8.83E-03	1.12E-03
3074	437416	3725084	8.68E-03	1.74E-03	8.77E-03	1.11E-03
3075	437408.6	3725091	8.58E-03	1.72E-03	8.65E-03	1.09E-03
3076	437432	3725043	6.40E-03	1.26E-03	6.39E-03	7.95E-04
3077	437424.6	3725049	6.55E-03	1.29E-03	6.54E-03	8.15E-04
3078	437417.3	3725056	6.66E-03	1.31E-03	6.65E-03	8.29E-04
3079	437409.9	3725063	6.72E-03	1.33E-03	6.71E-03	8.36E-04
3080	437402.6	3725069	6.75E-03	1.33E-03	6.73E-03	8.39E-04
3081	437395.2	3725076	6.73E-03	1.33E-03	6.71E-03	8.36E-04
3082	437387.9	3725083	6.67E-03	1.31E-03	6.65E-03	8.26E-04
3083	437418.6	3725028	5.14E-03	9.98E-04	5.07E-03	6.23E-04
3084	437411.2	3725035	5.27E-03	1.02E-03	5.21E-03	6.40E-04
3085	437403.9	3725041	5.37E-03	1.04E-03	5.31E-03	6.53E-04
3086	437396.5	3725048	5.44E-03	1.06E-03	5.38E-03	6.62E-04
3087	437389.2	3725055	5.47E-03	1.06E-03	5.41E-03	6.66E-04
3088	437381.8	3725061	5.48E-03	1.07E-03	5.42E-03	6.66E-04
3089	437405.2	3725013	4.27E-03	8.21E-04	4.19E-03	5.09E-04
3090	437397.8	3725020	4.38E-03	8.42E-04	4.30E-03	5.23E-04
3091	437390.5	3725026	4.47E-03	8.60E-04	4.39E-03	5.34E-04
3092	437383.1	3725033	4.53E-03	8.72E-04	4.45E-03	5.42E-04
3093	437375.8	3725040	4.57E-03	8.81E-04	4.49E-03	5.47E-04
3094	437391.8	3724998	3.64E-03	6.93E-04	3.55E-03	4.27E-04
3095	437384.4	3725005	3.73E-03	7.11E-04	3.64E-03	4.39E-04
3096	437377.1	3725012	3.81E-03	7.26E-04	3.71E-03	4.48E-04
3097	437369.7	3725018	3.86E-03	7.37E-04	3.77E-03	4.55E-04
3098	437347.7	3725038	3.93E-03	7.51E-04	3.84E-03	4.64E-04
3099	437378.4	3724983	3.16E-03	5.97E-04	3.06E-03	3.66E-04
3100	437371	3724990	3.23E-03	6.12E-04	3.14E-03	3.76E-04
3101	437341.6	3725017	3.41E-03	6.48E-04	3.32E-03	3.99E-04
3102	437334.3	3725023	3.43E-03	6.51E-04	3.33E-03	4.00E-04
3103	437358.3	3724961	2.62E-03	4.90E-04	2.52E-03	2.99E-04
3104	437328.9	3724988	2.81E-03	5.28E-04	2.71E-03	3.23E-04
3105	437321.5	3724994	2.83E-03	5.33E-04	2.74E-03	3.26E-04
3106	437314.2	3725001	2.84E-03	5.35E-04	2.75E-03	3.27E-04
3107	437316.1	3724959	2.34E-03	4.38E-04	2.25E-03	2.67E-04
3108	437308.8	3724965	2.37E-03	4.43E-04	2.28E-03	2.70E-04
3109	437301.5	3724972	2.39E-03	4.47E-04	2.30E-03	2.73E-04
3110	437294.1	3724979	2.39E-03	4.47E-04	2.30E-03	2.72E-04
3111	437310.7	3724923	1.95E-03	3.62E-04	1.87E-03	2.19E-04
3112	437303.4	3724930	1.99E-03	3.69E-04	1.90E-03	2.24E-04
3113	437296	3724937	2.01E-03	3.74E-04	1.93E-03	2.27E-04
3114	437288.7	3724943	2.03E-03	3.78E-04	1.95E-03	2.29E-04

3115	437281.4	3724950	2.04E-03	3.80E-04	1.96E-03	2.31E-04
3116	437274	3724956	2.04E-03	3.80E-04	1.96E-03	2.31E-04
3117	437290.6	3724901	1.70E-03	3.15E-04	1.63E-03	1.90E-04
3118	437283.3	3724908	1.73E-03	3.20E-04	1.65E-03	1.94E-04
3119	437276	3724914	1.75E-03	3.25E-04	1.68E-03	1.97E-04
3120	437268.6	3724921	1.77E-03	3.27E-04	1.69E-03	1.98E-04
3121	437261.3	3724927	1.77E-03	3.28E-04	1.69E-03	1.99E-04
3122	437253.9	3724934	1.77E-03	3.28E-04	1.69E-03	1.99E-04
3123	437270.5	3724879	1.51E-03	2.77E-04	1.43E-03	1.67E-04
3124	437263.2	3724885	1.53E-03	2.82E-04	1.46E-03	1.70E-04
3125	437255.9	3724892	1.54E-03	2.85E-04	1.47E-03	1.72E-04
3126	437248.5	3724899	1.56E-03	2.88E-04	1.49E-03	1.74E-04
3127	437241.2	3724905	1.56E-03	2.88E-04	1.49E-03	1.74E-04
3128	437233.8	3724912	1.56E-03	2.89E-04	1.49E-03	1.75E-04
3129	437250.4	3724856	1.34E-03	2.47E-04	1.28E-03	1.49E-04
3130	437243.1	3724863	1.36E-03	2.51E-04	1.30E-03	1.51E-04
3131	437235.8	3724870	1.38E-03	2.54E-04	1.31E-03	1.53E-04
3132	437228.4	3724876	1.39E-03	2.56E-04	1.32E-03	1.54E-04
3133	437221.1	3724883	1.40E-03	2.57E-04	1.33E-03	1.55E-04
3134	437213.7	3724890	1.41E-03	2.59E-04	1.34E-03	1.57E-04
3135	437230.4	3724834	1.21E-03	2.22E-04	1.15E-03	1.34E-04
3136	437223	3724841	1.23E-03	2.25E-04	1.17E-03	1.36E-04
3137	437215.7	3724847	1.24E-03	2.28E-04	1.18E-03	1.37E-04
3138	437208.3	3724854	1.25E-03	2.30E-04	1.19E-03	1.39E-04
3139	437201	3724861	1.26E-03	2.32E-04	1.20E-03	1.40E-04
3140	437193.6	3724867	1.28E-03	2.35E-04	1.22E-03	1.42E-04
3141	437210.3	3724812	1.10E-03	2.01E-04	1.04E-03	1.21E-04
3142	437202.9	3724819	1.11E-03	2.04E-04	1.06E-03	1.23E-04
3143	437195.6	3724825	1.13E-03	2.07E-04	1.07E-03	1.24E-04
3144	437188.2	3724832	1.14E-03	2.10E-04	1.09E-03	1.26E-04
3145	437180.9	3724838	1.16E-03	2.12E-04	1.10E-03	1.28E-04
3146	437173.5	3724845	1.17E-03	2.15E-04	1.11E-03	1.30E-04
3147	437197.5	3724783	9.89E-04	1.81E-04	9.37E-04	1.08E-04
3148	437190.2	3724790	1.01E-03	1.84E-04	9.52E-04	1.10E-04
3149	437182.8	3724796	1.02E-03	1.87E-04	9.67E-04	1.12E-04
3150	437175.5	3724803	1.03E-03	1.89E-04	9.81E-04	1.14E-04
3151	437168.1	3724809	1.05E-03	1.92E-04	9.94E-04	1.15E-04
3152	437160.8	3724816	1.06E-03	1.94E-04	1.01E-03	1.17E-04
3153	437153.4	3724823	1.07E-03	1.96E-04	1.02E-03	1.18E-04
3154	437177.4	3724761	9.11E-04	1.66E-04	8.62E-04	9.97E-05
3155	437170.1	3724767	9.25E-04	1.69E-04	8.76E-04	1.01E-04
3156	437162.7	3724774	9.38E-04	1.72E-04	8.89E-04	1.03E-04
3157	437155.4	3724781	9.51E-04	1.74E-04	9.02E-04	1.05E-04
3158	437148	3724787	9.63E-04	1.76E-04	9.13E-04	1.06E-04
3159	437140.7	3724794	9.73E-04	1.78E-04	9.23E-04	1.07E-04
3160	437133.3	3724800	9.82E-04	1.80E-04	9.33E-04	1.08E-04
3161	437150.6	3724731	8.23E-04	1.50E-04	7.78E-04	8.99E-05
3162	437143.3	3724738	8.35E-04	1.52E-04	7.90E-04	9.14E-05
3163	437135.9	3724744	8.47E-04	1.55E-04	8.01E-04	9.28E-05
3164	437128.6	3724751	8.57E-04	1.57E-04	8.12E-04	9.41E-05
3165	437121.2	3724758	8.67E-04	1.59E-04	8.22E-04	9.53E-05
3166	437113.9	3724764	8.76E-04	1.60E-04	8.31E-04	9.64E-05

3167	437106.6	3724771	8.85E-04	1.62E-04	8.39E-04	9.74E-05
3168	437123.8	3724701	7.48E-04	1.36E-04	7.07E-04	8.17E-05
3169	437116.5	3724708	7.59E-04	1.38E-04	7.18E-04	8.30E-05
3170	437109.1	3724715	7.69E-04	1.40E-04	7.27E-04	8.41E-05
3171	437101.8	3724721	7.79E-04	1.42E-04	7.37E-04	8.53E-05
3172	437094.4	3724728	7.88E-04	1.44E-04	7.46E-04	8.64E-05
3173	437087.1	3724734	7.96E-04	1.46E-04	7.54E-04	8.75E-05
3174	437079.8	3724741	8.04E-04	1.47E-04	7.62E-04	8.85E-05
3175	437097	3724672	6.86E-04	1.25E-04	6.48E-04	7.48E-05
3176	437089.7	3724678	6.96E-04	1.27E-04	6.58E-04	7.60E-05
3177	437082.3	3724685	7.05E-04	1.29E-04	6.67E-04	7.71E-05
3178	437075	3724691	7.14E-04	1.30E-04	6.75E-04	7.81E-05
3179	437067.7	3724698	7.22E-04	1.32E-04	6.83E-04	7.91E-05
3180	437060.3	3724705	7.30E-04	1.33E-04	6.91E-04	8.01E-05
3181	437053	3724711	7.37E-04	1.35E-04	6.98E-04	8.10E-05
3182	437070.2	3724642	6.34E-04	1.15E-04	5.99E-04	6.91E-05
3183	437062.9	3724649	6.42E-04	1.17E-04	6.07E-04	7.01E-05
3184	437055.5	3724655	6.51E-04	1.19E-04	6.15E-04	7.11E-05
3185	437048.2	3724662	6.59E-04	1.20E-04	6.23E-04	7.20E-05
3186	437040.9	3724668	6.66E-04	1.22E-04	6.30E-04	7.29E-05
3187	437033.5	3724675	6.73E-04	1.23E-04	6.37E-04	7.38E-05
3188	437026.2	3724682	6.80E-04	1.24E-04	6.44E-04	7.46E-05
3189	437043.4	3724612	5.88E-04	1.07E-04	5.56E-04	6.41E-05
3190	437036.1	3724619	5.96E-04	1.09E-04	5.63E-04	6.50E-05
3191	437028.8	3724625	6.04E-04	1.10E-04	5.71E-04	6.59E-05
3192	437021.4	3724632	6.11E-04	1.11E-04	5.78E-04	6.68E-05
3193	437014.1	3724639	6.18E-04	1.13E-04	5.84E-04	6.76E-05
3194	437016.6	3724583	5.49E-04	9.98E-05	5.18E-04	5.98E-05
3195	437009.3	3724589	5.56E-04	1.01E-04	5.25E-04	6.06E-05
3196	437002	3724596	5.63E-04	1.02E-04	5.32E-04	6.14E-05
3197	436994.6	3724602	5.69E-04	1.04E-04	5.38E-04	6.22E-05
3198	436987.3	3724609	5.75E-04	1.05E-04	5.44E-04	6.29E-05
3199	436979.9	3724616	5.81E-04	1.06E-04	5.49E-04	6.36E-05
3200	436972.6	3724622	5.86E-04	1.07E-04	5.54E-04	6.42E-05
3201	436989.9	3724553	5.15E-04	9.36E-05	4.86E-04	5.60E-05
3202	436982.5	3724559	5.21E-04	9.48E-05	4.92E-04	5.68E-05
3203	436975.2	3724566	5.27E-04	9.59E-05	4.98E-04	5.75E-05
3204	436967.8	3724573	5.32E-04	9.70E-05	5.03E-04	5.82E-05
3205	436960.5	3724579	5.38E-04	9.80E-05	5.08E-04	5.88E-05
3206	436953.1	3724586	5.43E-04	9.90E-05	5.13E-04	5.94E-05
3207	436945.8	3724593	5.48E-04	9.99E-05	5.18E-04	6.00E-05
3208	436963.1	3724523	4.86E-04	8.85E-05	4.59E-04	5.30E-05
3209	436955.7	3724530	4.92E-04	8.95E-05	4.65E-04	5.36E-05
3210	436948.4	3724536	4.97E-04	9.06E-05	4.70E-04	5.43E-05
3211	436941	3724543	5.03E-04	9.16E-05	4.75E-04	5.49E-05
3212	436933.7	3724550	5.07E-04	9.25E-05	4.80E-04	5.55E-05
3213	436936.3	3724493	4.60E-04	8.36E-05	4.34E-04	5.01E-05
3214	436928.9	3724500	4.65E-04	8.47E-05	4.39E-04	5.07E-05
3215	436921.6	3724507	4.70E-04	8.56E-05	4.44E-04	5.13E-05
3216	436909.5	3724464	4.35E-04	7.92E-05	4.11E-04	4.74E-05
3217	436902.1	3724470	4.40E-04	8.01E-05	4.16E-04	4.80E-05

PM 10				
Tons/Yr	T2	T2L3	T3	T4
Year 1	0.344735	0.07114	0.36942	0.042565
Year 2	0.0121335	0.002901	0.013726	0.001503
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
Lbs /Yr	T2	T2L3	T3	T4
Year 1	689.47	142.28	738.84	85.13
Year 2	24.267	5.801	27.451	3.006
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
% Chng	T2	T2L3	T3	T4
Year 1	100%	21%	107%	12%
Year 2	100%	24%	113%	12%
Year 3	0%	0%	0%	0%
Year 4	0%	0%	0%	0%

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 8/3/2024
** File: D:\LSA\2024\CLF2101.4A\CumulativeConst\CumulativeConst.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2024\CLF2101.4A\CumulativeConst\CumulativeConst.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 3010232 Orange
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL CumulativeConst.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   437562.555  3725256.992      207.500
   LOCATION CONST1       AREAPOLY   437582.529  3725565.751      207.220
   LOCATION CONST2       AREAPOLY   437524.606  3725220.994      202.160
** Source Parameters **
   SRCPARAM CONST        0.000045313     3.048        18
   AREAVERT CONST        437562.555 3725256.992 437642.144 3725348.006
   AREAVERT CONST        437699.646 3725396.369 437733.538 3725356.003
   AREAVERT CONST        437741.916 3725309.163 437747.473 3725279.370
   AREAVERT CONST        437743.696 3725266.448 437727.792 3725243.388
   AREAVERT CONST        437697.973 3725222.912 437665.569 3725205.617
   AREAVERT CONST        437640.919 3725187.726 437638.136 3725186.732
   AREAVERT CONST        437634.557 3725186.334 437630.979 3725186.931
   AREAVERT CONST        437629.190 3725188.919 437563.787 3725246.967
   AREAVERT CONST        437562.196 3725251.539 437562.196 3725254.720
   SRCPARAM CONST1       0.0000454278     3.048         9
   AREAVERT CONST1       437582.529 3725565.751 437638.225 3725497.802
   AREAVERT CONST1       437592.554 3725464.385 437545.213 3725443.777
   AREAVERT CONST1       437476.707 3725420.385 437385.923 3725401.448
   AREAVERT CONST1       437374.784 3725483.321 437482.834 3725515.625
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   AREAVERT CONST1       437547.441 3725544.586
   SRCPARAM CONST2       0.0000834111     3.048        10
   AREAVERT CONST2       437524.606 3725220.994 437488.960 3725193.703
   AREAVERT CONST2       437441.062 3725169.754 437500.656 3725077.299
   AREAVERT CONST2       437517.922 3725086.211 437605.364 3725154.159
   AREAVERT CONST2       437574.175 3725179.779 437536.859 3725211.526
   AREAVERT CONST2       437524.606 3725223.779 437524.606 3725223.222
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT CONST1       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT CONST2       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP CONST    CONST
   SRCGROUP CONST1   CONST1
   SRCGROUP CONST2   CONST2
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED CumulativeConst.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC
   PROFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
   SURFDATA 93184 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 170.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST 1ST CUMULATIVECONST.AD\01H1G001.PLT 31
   PLOTFILE 1 CONST1 1ST CUMULATIVECONST.AD\01H1G002.PLT 32
   PLOTFILE 1 CONST2 1ST CUMULATIVECONST.AD\01H1G003.PLT 33
   PLOTFILE PERIOD CONST CUMULATIVECONST.AD\PE00G001.PLT 34
   PLOTFILE PERIOD CONST1 CUMULATIVECONST.AD\PE00G002.PLT 35
   PLOTFILE PERIOD CONST2 CUMULATIVECONST.AD\PE00G003.PLT 36
   SUMMFILE CumulativeConst.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)
```

```
   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186     137       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     137       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- -

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 3 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 3010232.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 3 Source(s); 3 Source Group(s); and 3428 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 3 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

```
**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   170.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      4.2 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   CumulativeConst.err
**File for Summary of Results:   CumulativeConst.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.45313E-04	437562.6	3725257.0	207.5	3.05	18	0.00	YES	HRDOW	NO
CONST1	0	0.45428E-04	437582.5	3725565.8	207.2	3.05	9	0.00	YES	HRDOW	NO
CONST2	0	0.83411E-04	437524.6	3725221.0	202.2	3.05	10	0.00	YES	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,
CONST1	CONST1 ,
CONST2	CONST2 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
3010232.	CONST	, CONST1 , CONST2 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST1 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST2 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC Met Version: 16216
Profile file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93184 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	1.30	54.	9.1	999.0	-9.0
11	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	190.	9.1	999.0	-9.0
11	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	133.	9.1	999.0	-9.0
11	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	151.	9.1	999.0	-9.0
11	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	42.	9.1	999.0	-9.0
11	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.53	0.90	28.	9.1	999.0	-9.0
11	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.31	0.90	95.	9.1	999.0	-9.0
11	01	01	1	10	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.24	0.90	211.	9.1	999.0	-9.0
11	01	01	1	11	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	258.	9.1	999.0	-9.0
11	01	01	1	12	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	268.	9.1	999.0	-9.0
11	01	01	1	13	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	220.	9.1	999.0	-9.0
11	01	01	1	14	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	247.	9.1	999.0	-9.0
11	01	01	1	15	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.25	1.30	249.	9.1	999.0	-9.0
11	01	01	1	16	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.33	2.20	209.	9.1	999.0	-9.0
11	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.61	1.30	196.	9.1	999.0	-9.0
11	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	132.	9.1	999.0	-9.0
11	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	91.	9.1	999.0	-9.0
11	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	67.	9.1	999.0	-9.0
11	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	72.	9.1	999.0	-9.0
11	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	65.	9.1	999.0	-9.0
11	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	61.	9.1	999.0	-9.0
11	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	41.	9.1	999.0	-9.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	-999.0	99.0	-99.00	-99.00
11	01	01	01	9.1	1	54.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
CONST	1ST HIGHEST VALUE IS	9.21109 AT	(437750.64,	3725402.77,	215.34,	218.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	9.18932 AT	(437743.55,	3725409.23,	214.52,	214.52,	0.00)	DC	
	3RD HIGHEST VALUE IS	9.10430 AT	(437757.44,	3725395.75,	216.27,	218.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	8.81831 AT	(437764.13,	3725388.50,	217.31,	218.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	8.38512 AT	(437770.75,	3725381.14,	218.40,	218.40,	0.00)	DC	
	6TH HIGHEST VALUE IS	7.89629 AT	(437777.35,	3725373.71,	219.24,	219.24,	0.00)	DC	
	7TH HIGHEST VALUE IS	7.43487 AT	(437762.63,	3725405.96,	216.13,	216.13,	0.00)	DC	
	8TH HIGHEST VALUE IS	7.42857 AT	(437738.00,	3725425.67,	212.92,	218.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	7.36199 AT	(437783.92,	3725366.25,	219.96,	219.96,	0.00)	DC	
	10TH HIGHEST VALUE IS	7.24979 AT	(437753.68,	3725416.69,	214.89,	214.89,	0.00)	DC	
CONST1	1ST HIGHEST VALUE IS	14.99472 AT	(437624.87,	3725562.20,	207.59,	246.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	14.76563 AT	(437637.82,	3725547.02,	206.51,	246.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	13.21654 AT	(437611.89,	3725577.37,	208.21,	246.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	12.91034 AT	(437650.73,	3725531.82,	205.86,	246.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	10.58216 AT	(437638.61,	3725566.71,	207.40,	246.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	10.18002 AT	(437651.44,	3725551.49,	206.51,	246.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	9.88751 AT	(437663.59,	3725516.61,	205.35,	245.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	9.83616 AT	(437625.73,	3725581.92,	208.43,	246.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	8.87737 AT	(437664.21,	3725536.25,	206.00,	246.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	8.34295 AT	(437612.81,	3725597.11,	209.07,	260.00,	0.00)	DC	
CONST2	1ST HIGHEST VALUE IS	0.99130 AT	(437743.55,	3725409.23,	214.52,	214.52,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.98106 AT	(437750.64,	3725402.77,	215.34,	218.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.97063 AT	(437757.44,	3725395.75,	216.27,	218.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.95782 AT	(437764.13,	3725388.50,	217.31,	218.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.95127 AT	(437738.00,	3725425.67,	212.92,	218.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.94830 AT	(437719.82,	3725444.76,	209.19,	222.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.94683 AT	(437728.16,	3725437.23,	210.86,	220.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.94247 AT	(437770.75,	3725381.14,	218.40,	218.40,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.93280 AT	(437701.51,	3725461.05,	206.46,	224.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	0.92961 AT	(437712.30,	3725454.87,	207.66,	224.00,	0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST HIGH 1ST HIGH VALUE IS	305.24348	ON 12113016:	AT (437743.55, 3725409.23, 214.52, 214.52, 0.00)	DC	
CONST1 HIGH 1ST HIGH VALUE IS	534.20822	ON 12022716:	AT (437650.73, 3725531.82, 205.86, 246.00, 0.00)	DC	
CONST2 HIGH 1ST HIGH VALUE IS	99.97637	ON 12022716:	AT (437881.89, 3725252.97, 216.19, 216.19, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 868 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 15 Calm Hours Identified

A Total of 853 Missing Hours Identified (1.95 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********

ME W186	137	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	137	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	35065	CHKDAT: Record Out of Sequence in Meteorological File at:	16010101
MX W450	35065	CHKDAT: Record Out of Sequence in Meteorological File at:	1 year gap

****
*** AERMOD Finishes Successfully ***
****

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 8/2/2024
** File: D:\LSA\2024\CLF2101.4A\CumulativeConst\CumulativeConst.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2024\CLF2101.4A\CumulativeConst\CumulativeConst.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 3010232 Orange
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL CumulativeConst.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   437562.555  3725256.992      207.500
   LOCATION CONST1       AREAPOLY   437582.529  3725565.751      207.220
   LOCATION CONST2       AREAPOLY   437524.606  3725220.994      202.160
** Source Parameters **
   SRCPARAM CONST        0.000045313     3.048        18
   AREAVERT CONST        437562.555 3725256.992 437642.144 3725348.006
   AREAVERT CONST        437699.646 3725396.369 437733.538 3725356.003
   AREAVERT CONST        437741.916 3725309.163 437747.473 3725279.370
   AREAVERT CONST        437743.696 3725266.448 437727.792 3725243.388
   AREAVERT CONST        437697.973 3725222.912 437665.569 3725205.617
   AREAVERT CONST        437640.919 3725187.726 437638.136 3725186.732
   AREAVERT CONST        437634.557 3725186.334 437630.979 3725186.931
   AREAVERT CONST        437629.190 3725188.919 437563.787 3725246.967
   AREAVERT CONST        437562.196 3725251.539 437562.196 3725254.720
   SRCPARAM CONST1       0.0000454278     3.048         9
   AREAVERT CONST1       437582.529 3725565.751 437638.225 3725497.802
   AREAVERT CONST1       437592.554 3725464.385 437545.213 3725443.777
   AREAVERT CONST1       437476.707 3725420.385 437385.923 3725401.448
   AREAVERT CONST1       437374.784 3725483.321 437482.834 3725515.625
```

```
   AREAVERT CONST1       437547.441 3725544.586
   SRCPARAM CONST2       0.0000834111     3.048        10
   AREAVERT CONST2       437524.606 3725220.994 437488.960 3725193.703
   AREAVERT CONST2       437441.062 3725169.754 437500.656 3725077.299
   AREAVERT CONST2       437517.922 3725086.211 437605.364 3725154.159
   AREAVERT CONST2       437574.175 3725179.779 437536.859 3725211.526
   AREAVERT CONST2       437524.606 3725223.779 437524.606 3725223.222
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT CONST1       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT CONST2       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT CONST2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP CONST    CONST
   SRCGROUP CONST1   CONST1
   SRCGROUP CONST2   CONST2
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED CumulativeConst.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC
   PROFFILE ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
   SURFDATA 93184 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 170.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST 1ST CUMULATIVECONST.AD\01H1G001.PLT 31
   PLOTFILE 1 CONST1 1ST CUMULATIVECONST.AD\01H1G002.PLT 32
   PLOTFILE 1 CONST2 1ST CUMULATIVECONST.AD\01H1G003.PLT 33
   PLOTFILE PERIOD CONST CUMULATIVECONST.AD\PE00G001.PLT 34
   PLOTFILE PERIOD CONST1 CUMULATIVECONST.AD\PE00G002.PLT 35
   PLOTFILE PERIOD CONST2 CUMULATIVECONST.AD\PE00G003.PLT 36
   SUMMFILE CumulativeConst.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)
```

```
   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186     137       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     137       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- -

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 3 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 3010232.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 3 Source(s); 3 Source Group(s); and 3217 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 3 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

```
**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   170.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      4.2 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   CumulativeConst.err
**File for Summary of Results:   CumulativeConst.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.45313E-04	437562.6	3725257.0	207.5	3.05	18	0.00	YES	HRDOW	NO
CONST1	0	0.45428E-04	437582.5	3725565.8	207.2	3.05	9	0.00	YES	HRDOW	NO
CONST2	0	0.83411E-04	437524.6	3725221.0	202.2	3.05	10	0.00	YES	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,
CONST1	CONST1 ,
CONST2	CONST2 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
3010232.	CONST	, CONST1 , CONST2 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST1 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST2 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1			

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.SFC Met Version: 16216
Profile file: ..\MissionViejoADJU\MSVJ_V9_ADJU\MSVJ_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93184 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	1.30	54.	9.1	999.0	-9.0
11	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	190.	9.1	999.0	-9.0
11	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	133.	9.1	999.0	-9.0
11	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	999.00	999.	-9.0	999.0	-9.0
11	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	151.	9.1	999.0	-9.0
11	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	42.	9.1	999.0	-9.0
11	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.53	0.90	28.	9.1	999.0	-9.0
11	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.31	0.90	95.	9.1	999.0	-9.0
11	01	01	1	10	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.24	0.90	211.	9.1	999.0	-9.0
11	01	01	1	11	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	258.	9.1	999.0	-9.0
11	01	01	1	12	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	268.	9.1	999.0	-9.0
11	01	01	1	13	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.20	1.30	220.	9.1	999.0	-9.0
11	01	01	1	14	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.21	1.30	247.	9.1	999.0	-9.0
11	01	01	1	15	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.25	1.30	249.	9.1	999.0	-9.0
11	01	01	1	16	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.33	2.20	209.	9.1	999.0	-9.0
11	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	0.61	1.30	196.	9.1	999.0	-9.0
11	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	132.	9.1	999.0	-9.0
11	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	91.	9.1	999.0	-9.0
11	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	67.	9.1	999.0	-9.0
11	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	72.	9.1	999.0	-9.0
11	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	65.	9.1	999.0	-9.0
11	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	61.	9.1	999.0	-9.0
11	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.29	2.80	1.00	0.90	41.	9.1	999.0	-9.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	-999.0	99.0	-99.00	-99.00
11	01	01	01	9.1	1	54.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
CONST	1ST HIGHEST VALUE IS	9.15078 AT	(437662.98,	3725405.13,	206.42,	221.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	9.14335 AT	(437655.60,	3725398.85,	206.09,	220.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	9.03145 AT	(437670.37,	3725411.41,	206.65,	221.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	9.01216 AT	(437648.21,	3725392.57,	205.75,	220.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	8.80851 AT	(437640.82,	3725386.29,	205.70,	220.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	8.61050 AT	(437682.24,	3725420.92,	207.09,	221.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	8.54338 AT	(437633.43,	3725380.01,	205.96,	220.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	8.19196 AT	(437626.04,	3725373.73,	206.13,	219.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	6.93749 AT	(437656.51,	3725412.75,	205.60,	221.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	6.89900 AT	(437649.12,	3725406.47,	205.32,	220.00,	0.00)	DC	
CONST1	1ST HIGHEST VALUE IS	9.23681 AT	(437638.89,	3725463.07,	204.64,	245.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	9.10478 AT	(437631.52,	3725457.13,	204.40,	204.40,	0.00)	DC	
	3RD HIGHEST VALUE IS	8.74924 AT	(437624.13,	3725450.85,	204.15,	204.15,	0.00)	DC	
	4TH HIGHEST VALUE IS	8.30630 AT	(437616.74,	3725444.57,	204.05,	204.05,	0.00)	DC	
	5TH HIGHEST VALUE IS	7.81806 AT	(437609.35,	3725438.29,	204.17,	204.17,	0.00)	DC	
	6TH HIGHEST VALUE IS	7.28036 AT	(437601.96,	3725432.01,	204.19,	204.19,	0.00)	DC	
	7TH HIGHEST VALUE IS	7.14277 AT	(437645.14,	3725455.27,	204.85,	204.85,	0.00)	DC	
	8TH HIGHEST VALUE IS	7.06857 AT	(437637.99,	3725449.51,	204.61,	204.61,	0.00)	DC	
	9TH HIGHEST VALUE IS	6.84234 AT	(437630.60,	3725443.23,	204.43,	204.43,	0.00)	DC	
	10TH HIGHEST VALUE IS	6.72662 AT	(437594.57,	3725425.73,	204.11,	204.11,	0.00)	DC	
CONST2	1ST HIGHEST VALUE IS	15.72219 AT	(437566.77,	3725096.63,	205.13,	215.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	13.69969 AT	(437560.10,	3725089.18,	204.93,	215.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	11.97505 AT	(437619.57,	3725132.86,	210.76,	215.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	11.50774 AT	(437600.80,	3725109.99,	208.51,	215.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	11.40762 AT	(437607.77,	3725117.32,	210.14,	215.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	11.29526 AT	(437614.95,	3725124.56,	210.96,	215.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	11.23379 AT	(437593.93,	3725102.62,	207.20,	215.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	10.20047 AT	(437588.29,	3725094.74,	206.63,	215.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	9.90606 AT	(437546.77,	3725074.27,	203.52,	215.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	9.26559 AT	(437581.33,	3725087.41,	206.41,	215.00,	0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST HIGH	1ST HIGH VALUE IS 345.59666	ON 12041314:	AT (437662.98, 3725405.13, 206.42, 221.00, 0.00)	DC	
CONST1 HIGH	1ST HIGH VALUE IS 262.25514	ON 14012116:	AT (437624.13, 3725450.85, 204.15, 204.15, 0.00)	DC	
CONST2 HIGH	1ST HIGH VALUE IS 519.37868	ON 14012116:	AT (437566.77, 3725096.63, 205.13, 215.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 868 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 15 Calm Hours Identified

A Total of 853 Missing Hours Identified (1.95 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********

ME W186	137	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	137	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	35065	CHKDAT: Record Out of Sequence in Meteorological File at:	16010101
MX W450	35065	CHKDAT: Record Out of Sequence in Meteorological File at:	1 year gap

****
*** AERMOD Finishes Successfully ***
****

HARP2 - HRACalc (dated 22118) 2/24/2025 1:50:58 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Worker_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Worker_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Worker_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Worker_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Worker_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Worker_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 2/24/2025 1:46:44 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|

Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Worker_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Worker_Year2_NCChronicRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 2/23/2025 6:15:48 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 2/23/2025 6:21:25 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 1
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_CONST\hra\Cumulative_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP Project Summary Report 8/7/2024 2:47:41 AM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_CONST
Project Output Directory: D:\LSA\2024\CLF2101.4A\Cumulative\HARP_CONST
HARP Database: NA

POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH22013
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1			5		

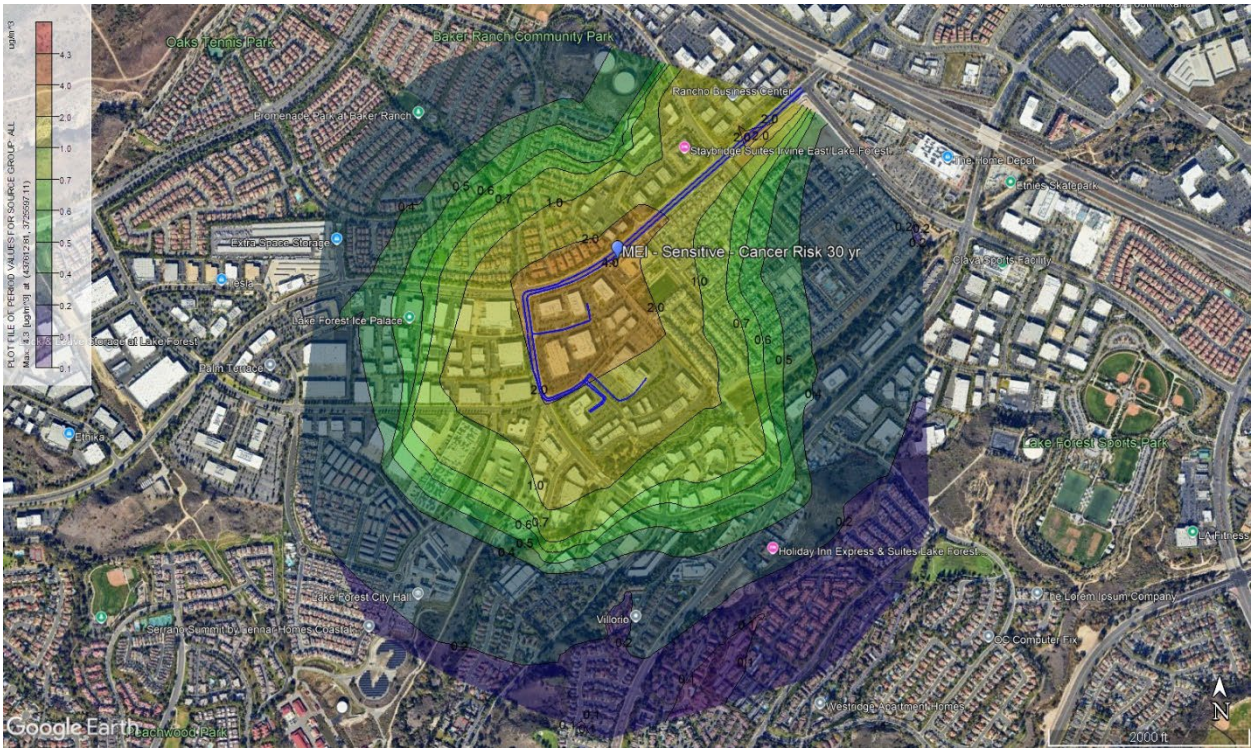
APPENDIX D

CUMULATIVE OPERATIONAL HRA MODEL OUTPUTS

Receptor Grid



Operational Cancer Risk – Sensitive Receptor



Operational Chronic Health Index – Sensitive Receptor



Operational Acute Health Index – Sensitive Receptor



Operational Cancer Risk – Worker Receptor



Operational Chronic Health Index – Worker Receptor



Operational Acute Health Index – Worker Receptor



	Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 1866 X: 437750.64 Y: 3725402.77			
	T2	T2L3	T3	T4
	43.54	8.64	46.09	4.84
CLF2101	41.14	8.08	43.42	4.46
Project 1	1.77	0.41	1.97	0.25
Project 2	0.62	0.14	0.69	0.10
	MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 1866 X: 437750.64 Y: 3725402.77			
	T2	T2L3	T3	T4
	5.66E-02	1.13E-02	6.02E-02	6.33E-03
CLF2101	5.37E-02	1.06E-02	5.70E-02	5.87E-03
Project 1	2.10E-03	4.76E-04	2.29E-03	3.29E-04
Project 2	8.25E-04	1.88E-04	9.12E-04	1.28E-04
	MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
	T2	T2L3	T3	T4
	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	MEI (Sensitive) - PM 2.5 HARP Rec #: 1866 X: 437750.64 Y: 3725402.77			
	T2	T2L3	T3	T4
	0.283	0.056	0.301	0.032
CLF2101	0.268	0.053	0.285	0.029
Project 1	0.011	0.002	0.011	0.002
Project 2	0.004	0.001	0.005	0.001

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 1023 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4
0.78	0.156	0.83	0.09
0.699	0.14	0.74	0.08
0.066	0.02	0.07	0.01
0.016	0.00	0.02	0.00
MEI (Worker) - Chronic Hazard Index HARP Rec #: 1023 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4
5.91E-02	1.18E-02	6.30E-02	6.74E-03
5.33E-02	1.05E-02	5.66E-02	5.83E-03
4.56E-03	1.03E-03	4.96E-03	7.14E-04
1.24E-03	2.82E-04	1.37E-03	1.92E-04
MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T3	T4
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Worker) - PM 2.5 HARP Rec #: 1023 X: 437662.98 Y: 3725405.13			
T2	T2L3	T3	T4
0.296	0.051	0.268	0.029
0.223	0.044	0.236	0.024
0.023	0.005	0.025	0.004
0.006	0.001	0.007	0.001

Operational Sensitive Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
30 Yr Cancer Risk (in a Million)	1369	437612.81 3725597.11	4.31
70 Yr Cancer Risk (in a Million)	0	0 0	0.00
Chronic HI	1369	437612.81 3725597.11	1.48E-03
Acute HI	597	437508.47 3725601.9	1.25E-04
PM 2.5	1368	437626.71 3725601.68	0.0072

Operational Worker Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
25 Yr Cancer Risk (in a Million)	991	437500.32 3725386.23	2.25
Chronic HI	991	437500.32 3725386.23	7.49E-03
Acute HI	991	437500.32 3725386.23	4.76E-04
PM 2.5	991	437500.32 3725386.23	3.61E-02

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	437750.64	3725402.77	33.66669299	-117.6714578
Construction	Sensitive	Chronic HI	437750.64	3725402.77	33.66669299	-117.6714578
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	437750.64	3725402.77	33.66669299	-117.6714578
Construction	School	Cancer Risk	0.00	0.00		
Construction	School	Chronic HI	0.00	0.00		
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	0.00	0.00		
Construction	Worker	Cancer Risk	437662.98	3725405.13	33.66670914	-117.6724035
Construction	Worker	Chronic HI	437662.98	3725405.13	33.66670914	-117.6724035
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	437662.98	3725405.13	33.66670914	-117.6724035
Operational	Sensitive	Cancer Risk 30 yr	437612.81	3725597.11	33.66843762	-117.6729581
Operational	Sensitive	Cancer Risk 70 yr	0	0		
Operational	Sensitive	Chronic HI	437612.81	3725597.11	33.66843762	-117.6729581
Operational	Sensitive	Acute HI	437508.47	3725601.9	33.66847468	-117.6740838
Operational	Sensitive	PM 2.5	437626.71	3725601.68	33.66847965	-117.6728085
Operational	Worker	Cancer Risk 25 yr	437500.32	3725386.23	33.66652912	-117.6741566
Operational	Worker	Chronic HI	437500.32	3725386.23	33.66652912	-117.6741566
Operational	Worker	Acute HI	437500.32	3725386.23	33.66652912	-117.6741566
Operational	Worker	PM 2.5	437500.32	3725386.23	33.66652912	-117.6741566

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM not available**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**200**
	Grid 2	**20**	**200**
	Grid 3	**30**	**300**
	Grid 4	**40**	**400**
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**MSVJ Mission Viejo**	
	Provided By	**South Coast AQMD**	
	Years	**2011 - 2014, 2016**	
	Elevation (m)	**170**	
	Link	https://www.aqmd.gov/docs/default-source/air-quality/meterorological-data/aermod-ready-meteorological-data/table-1-meteorological-sites/2017/MissionViejoADJU.zip?sfvrsn=8	
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**Orange**	
	Urban Grouping / Pop	**Y**	**3,010,232**
	# of Worker Receptors	**3,217**	
	# of Sensitive Receptors	**3,428**	
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**22068.7, 22013.0, 11988.8**	
	Ht. of Source (m)	**3.048**	
Operational Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period / Hourly**	
	Dispersion Coefficient	**Urban**	
	Urban Grouping / Pop	**Y**	**3,010,232**
	# Worker Receptors	**3,217**	
	# Sensitive Receptors	**3,428**	
	# of School Receptors	**0**	

Diesel Truck Idling Parameters		
	Source Type	**Point**
	Stack Ht. (m)	**3.658**
	Stack Dia (m)	**0.044**
	Stack Temp (k)	**388.7**
	Velocity (m/s)	**25**
Diesel Truck Travel Parameters		
	Source Type	**Line Volume**
	Initial Vertical (m)	**1.42**
	Initial Lateral (m)	**2.84**
	Release Ht (m)	**Surface**
	Volume Length (m)	**Roadway Segment Specific**

General HARP Input Parameters		
Construction		
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 1 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

Daily Trips
465

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	75.3%	7.7%	4.5%	12.5%	100%
# Daily Vehicles	350.00	36.00	21.00	58.00	465
# Annual Vehicles	127,750	13,140	7,665	21,170	169,725

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	13,140	31.3%	9.20E+00
3-Axle Trks	7,665	18.3%	2.60E-01
4-Axle Trks	21,170	50.4%	5.66E-01
Total	41,975	100%	---

DPM Lbs/ Yr	ONSITE1						Total
Distance (m)	230.3	0	0	0	0	0	230.3
%	100%	0%	0%	0%	0%	0%	100%
2-Axle Trks	1.32E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E+00
3-Axle Trks	3.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-02
4-Axle Trks	8.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-02
Total	1.44E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E+00

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	13,140	31.3%	4.94E-01
3-Axle Trks	7,665	18.3%	1.25E-01
4-Axle Trks	21,170	50.4%	1.17E+00
Total	41,975	100%	---

DPM Lbs/ Yr	IN1	IN2	OUT2	OUT1			Total
Gas Only	N	N	N	N	N	N	
Distance (m)	369.4	1174.3	1165.6	347.6	0	0	3056.9
%	50%	50%	50%	50%	0%	0%	200%
2-Axle Trks	5.68E-02	1.80E-01	1.79E-01	5.34E-02	0.00E+00	0.00E+00	4.70E-01
3-Axle Trks	1.43E-02	4.55E-02	4.51E-02	1.35E-02	0.00E+00	0.00E+00	1.18E-01
4-Axle Trks	1.35E-01	4.28E-01	4.25E-01	1.27E-01	0.00E+00	0.00E+00	1.11E+00
Total	2.06E-01	6.54E-01	6.49E-01	1.94E-01	0.00E+00	0.00E+00	1.70E+00

Truck Idle

# of Idling Pts	14

Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs /Idle-Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	14	0	0	0	0	0	14
2-Axle Trks	13,140	6.11E-05	0.25	2.01E-01	1.43E-02	2.01E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-01
3-Axle Trks	7,665	2.35E-05	0.25	4.51E-02	3.22E-03	4.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-02
4-Axle Trks	21,170	6.25E-05	0.25	3.31E-01	2.36E-02	3.31E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-01
Total	41,975	--	--	5.77E-01	4.12E-02	4.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-01

TRUs

Percent of Trucks	0		# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.50	4.19E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	127,750	62%	38.04%
# Vehicles		79,156	48,594

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	2.07E-05	4.54E-04
LDT	3.98E-05	6.10E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	4.58E-03	5.41E-03
107028	Acrolein	1.30E-03	2.13E-03	2.51E-03
71432	Benzene	2.47E-02	4.04E-02	4.77E-02
106990	1,3-Butadiene	5.50E-03	8.99E-03	1.06E-02
100414	Ethylbenzene	1.05E-02	1.72E-02	2.03E-02
50000	Formaldehyde	1.58E-02	2.58E-02	3.05E-02
110543	Hexane	1.60E-02	2.62E-02	3.09E-02
67561	Methanol	1.20E-03	1.96E-03	2.32E-03
78933	Methyl Ethyl Ketone	2.00E-04	3.27E-04	3.87E-04
91203	Naphthalene	5.00E-04	8.17E-04	9.66E-04
115071	Propylene	3.06E-02	5.00E-02	5.91E-02
100425	Styrene	1.20E-03	1.96E-03	2.32E-03
108883	Toluene	5.76E-02	9.42E-02	1.11E-01
1330207	Xylenes	4.80E-02	7.85E-02	9.28E-02
9901	Diesel	7.52E-03	1.31E+00	8.06E-01

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	5.89E-03	6.96E-03
100414	Ethylbenzene	1.180E-03	1.93E-03	2.28E-03
110543	Hexane	1.540E-02	2.52E-02	2.98E-02
108883	Toluene	1.700E-02	2.78E-02	3.29E-02
1330207	Xylenes	5.780E-03	9.45E-03	1.12E-02

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	ONSITE1		0		0		0		0		0		IN1		IN2		OUT2		OUT1		0		0			
				Cars	100%		0%		0%		0%		0%		0%		50%		50%		50%		50%		0%		0%			
					100.00%		0.00%		0.00%		0.00%		0.00%		0.00%		50.00%		50.00%		50.00%		50.00%		0.00%		0.00%		300.00%	3287.2
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	3.33E-06	9.99E-03		3.33E-06	9.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-07	2.50E-03	8.32E-07	2.50E-03	8.32E-07	2.50E-03	8.32E-07	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06	2.00E-02
107028	Acrolein	1.55E-06	4.64E-03		1.55E-06	4.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	1.16E-03	3.86E-07	1.16E-03	3.86E-07	1.16E-03	3.86E-07	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-06	9.28E-03
71432	Benzene	3.37E-05	1.01E-01		3.37E-05	1.01E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06	2.52E-02	8.41E-06	2.52E-02	8.41E-06	2.52E-02	8.41E-06	2.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	2.02E-01
106990	1,3-Butadiene	6.54E-06	1.96E-02		6.54E-06	1.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	4.91E-03	1.64E-06	4.91E-03	1.64E-06	4.91E-03	1.64E-06	4.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	3.92E-02
100414	Ethylbenzene	1.39E-05	4.17E-02		1.39E-05	4.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-06	1.04E-02	3.47E-06	1.04E-02	3.47E-06	1.04E-02	3.47E-06	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	8.33E-02
50000	Formaldehyde	1.88E-05	5.64E-02		1.88E-05	5.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-06	1.41E-02	4.70E-06	1.41E-02	4.70E-06	1.41E-02	4.70E-06	1.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	1.13E-01
110543	Hexane	3.73E-05	1.12E-01		3.73E-05	1.12E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06	2.80E-02	9.34E-06	2.80E-02	9.34E-06	2.80E-02	9.34E-06	2.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	2.24E-01
67561	Methanol	1.43E-06	4.28E-03		1.43E-06	4.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	1.07E-03	3.57E-07	1.07E-03	3.57E-07	1.07E-03	3.57E-07	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-06	8.56E-03
78933	Methyl Ethyl Ketone	2.38E-07	7.14E-04		2.38E-07	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-08	1.78E-04	5.95E-08	1.78E-04	5.95E-08	1.78E-04	5.95E-08	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-07	1.43E-03
91203	Naphthalene	5.95E-07	1.78E-03		5.95E-07	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	4.46E-04	1.49E-07	4.46E-04	1.49E-07	4.46E-04	1.49E-07	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	3.57E-03
115071	Propylene	3.64E-05	1.09E-01		3.64E-05	1.09E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-06	2.73E-02	9.10E-06	2.73E-02	9.10E-06	2.73E-02	9.10E-06	2.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	2.18E-01
100425	Styrene	1.43E-06	4.28E-03		1.43E-06	4.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	1.07E-03	3.57E-07	1.07E-03	3.57E-07	1.07E-03	3.57E-07	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-06	8.56E-03
108883	Toluene	8.87E-05	2.66E-01		8.87E-05	2.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	6.65E-02	2.22E-05	6.65E-02	2.22E-05	6.65E-02	2.22E-05	6.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	5.32E-01
1330207	Xylenes	6.40E-05	1.92E-01		6.40E-05	1.92E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	4.80E-02	1.60E-05	4.80E-02	1.60E-05	4.80E-02	1.60E-05	4.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.84E-01
9901	Diesel	7.06E-04	2.12E+00		7.06E-04	3.55E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	7.35E-01	1.77E-04	1.18E+00	1.77E-04	1.18E+00	1.77E-04	7.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	7.37E+00

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Orange
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, kWh/mile for Energy Consumption, gallon/mile for Fuel Consumption. PHEV calculated based on total VMT.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VI	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNE	PM10_PMI	PM2.5_PM	Fuel Consu	Energy Con
Orange	2027	HHDT	Aggregate	5	Diesel	48.71	48.71293792	0	10.71430075	0.01401128	0.014644808	3092.253475	0.005940243	0.487185794	0.127891805	0.145595084	1.065491048	0.029281791	0.214852	0.140645	0.049226	0.304491	0
Orange	2027	HHDT	Aggregate	10	Diesel	2749	2748.981389	0	7.730066843	0.011532164	0.012053597	2639.441542	0.003493314	0.41584509	0.075210093	0.085620966	0.680209796	0.024993933	0.215955	0.140141	0.049049	0.259903	0
Orange	2027	HHDT	Aggregate	15	Diesel	4425	4425.322557	0	5.152633808	0.009245486	0.009663526	2196.304327	0.001772579	0.346028641	0.038163147	0.043445838	0.369074554	0.020797689	0.214308	0.139	0.04865	0.216268	0
Orange	2027	LDA	Aggregate	5	Diesel	10.27	10.26885056	0	0.188468967	0.034353262	0.035906564	573.4686895	0.01151813	0.090350226	0.247978561	0.282307105	4.583608344	0.005433907	0.0031	0.006087	0.00213	0.056469	0
Orange	2027	LDA	Aggregate	10	Diesel	427.9	427.8632035	0	0.168899414	0.026026128	0.027202914	477.7535488	0.008530822	0.075270266	0.183663578	0.209088773	3.422883548	0.004526958	0.0031	0.007528	0.002635	0.047044	0
Orange	2027	LDA	Aggregate	15	Diesel	725.6	725.5925076	0	0.135635996	0.020129005	0.02103915	392.9509344	0.004457356	0.06190958	0.095964254	0.109248923	1.711618802	0.00372341	0.0031	0.00896	0.003136	0.038693	0
Orange	2027	LDT1	Aggregate	5	Diesel	0.026	0.025726527	0	0.885180759	0.815218591	0.852079158	1002.78564	0.048396059	0.157989286	1.041938664	1.186177896	5.163974494	0.009501904	0.0031	0.00956	0.003346	0.098743	0
Orange	2027	LDT1	Aggregate	10	Diesel	1.072	1.071924679	0	0.927591257	0.567688258	0.593356601	844.1113848	0.03375126	0.132990092	0.726644751	0.827236739	3.675901984	0.007998384	0.0031	0.011894	0.004163	0.083119	0
Orange	2027	LDT1	Aggregate	15	Diesel	1.818	1.817825206	0	0.970935123	0.413648733	0.432352094	699.9074547	0.024378556	0.110270705	0.524855963	0.597513619	2.707929803	0.006631979	0.0031	0.01424	0.004984	0.068919	0
Orange	2027	LDT2	Aggregate	5	Diesel	12.62	12.62287947	0	0.154546977	0.010058551	0.010513354	735.1718118	0.012335439	0.115826618	0.265574733	0.302339177	2.722959723	0.006966127	0.0031	0.008177	0.002862	0.072392	0
Orange	2027	LDT2	Aggregate	10	Diesel	525.9	525.9464643	0	0.129094452	0.009165485	0.009579907	618.8430222	0.009230252	0.09749897	0.198721886	0.226231655	2.037975166	0.005863852	0.0031	0.010174	0.003561	0.060937	0
Orange	2027	LDT2	Aggregate	15	Diesel	891.9	891.9271645	0	0.087844045	0.007875148	0.008231227	513.122856	0.004519629	0.080842715	0.097304952	0.110775219	0.997099754	0.0048621	0.0031	0.01218	0.004263	0.050527	0
Orange	2027	LHDT1	Aggregate	5	Diesel	46.51	46.51350261	0	1.308841244	0.056910278	0.059483509	1146.086044	0.012523169	0.180566323	0.269616463	0.306940418	0.846431167	0.010859748	0.194374	0.078	0.0273	0.112854	0
Orange	2027	LHDT1	Aggregate	10	Diesel	2544	2544.49344	0	1.181508633	0.04745119	0.049596723	996.8091157	0.010617805	0.157047682	0.228595086	0.260240307	0.687326947	0.009445273	0.194374	0.078	0.0273	0.098155	0
Orange	2027	LHDT1	Aggregate	15	Diesel	3397	3396.502409	0	1.071995925	0.039661472	0.041454788	855.1779017	0.009062563	0.134733627	0.195111639	0.22212163	0.557970964	0.008103245	0.194374	0.078	0.0273	0.084209	0
Orange	2027	LHDT2	Aggregate	5	Diesel	20.27	20.26833013	0	1.244185463	0.054563052	0.057030151	1344.493883	0.011939891	0.211825559	0.25705882	0.292644377	0.80040035	0.012739763	0.199835	0.091	0.03185	0.132391	0
Orange	2027	LHDT2	Aggregate	10	Diesel	1109	1108.766921	0	1.104586318	0.045754478	0.047823293	1172.294505	0.010280593	0.184695477	0.221335113	0.25197531	0.655969584	0.011108086	0.199835	0.091	0.03185	0.115435	0
Orange	2027	LHDT2	Aggregate	15	Diesel	1480	1480.031137	0	0.983717885	0.038445763	0.04018411	1010.46281	0.008888664	0.159198827	0.191367705	0.217859409	0.535417101	0.009574649	0.199835	0.091	0.03185	0.099499	0
Orange	2027	MHDT	Aggregate	5	Diesel	740.5	740.5357601	0	2.807639419	0.018822431	0.019673498	2371.002164	0.005889355	0.373552357	0.126796195	0.144347816	0.392607893	0.022451973	0.217511	0.061496	0.021524	0.23347	0
Orange	2027	MHDT	Aggregate	10	Diesel	4700	4700.010579	0	2.086433401	0.01526533	0.015955561	1960.729073	0.003735322	0.308913664	0.080420469	0.091552582	0.268539477	0.018566932	0.217648	0.061496	0.021524	0.193071	0
Orange	2027	MHDT	Aggregate	15	Diesel	8715	8714.574752	0	1.439003869	0.010005918	0.010458341	1540.517198	0.001815352	0.242709112	0.039084039	0.044494203	0.16470204	0.014587777	0.217562	0.061496	0.021524	0.151693	0

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Orange
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RUNEX	NOx_IDLEX	NOx_STREX	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CH4_RUNEX	CH4_IDLEX	CH4_STREX	N2O_RUNEX	N2O_IDLEX	N2O_STREX	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_DIURN	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_HOTSOAK	TOG_RUNLOSS	TOG_DIURN	NH3_RUNEX	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNEX	SOx_IDLEX	SOx_STREX
Orange	2027	HHDT	Aggregate	Aggregate	Gasoline	5.37393	547.764	547.764	0	107.522	3.85614162	0	0.21338484	0.003251804	0	0.000738007	0.005000001	0.029357047	0.001143933	0	0.00080265	0.020000006	0.083877278	1901.87979	0	53.47500072	0.08928084	0	0.00020529	0.1421109	0	0.00701117	0.431019149	0	0.00105739	0.047599351	0.39983365	3.69023907	0.632112201	0	0.00115771	0.047599351	0.39983365	3.69023907	0.045	26.0351379	0	5.94521306	0.018802202	0	0.00052865
Orange	2027	HHDT	Aggregate	Aggregate	Diesel	11909	1309094	1309094	0	168866	1.65596536	53.1136599	2.90003917	0.02403733	0.027213077	0	0.008693381	0.026921731	0.025124192	0.028357	0	0.034765524	0.07693066	1539.52992	102881.6701	0	0.22153492	0	0.24255357	1.62098417	0	0.05177167	0.44728884	0	0	0	0	0.010477921	5.18471117	0	0	0	0	0	0	0.21581557	0.0661603	66.4839598	0	0.01457843	0.09742755	0
Orange	2027	LDA	Aggregate	Aggregate	Gasoline	1043776	4.1E+07	4.1E+07	0	4872252	0.02938433	0	0.20922715	0.001107493	0	0.00174188	0.002000001	0.002871237	0.0013045	0	0.00189445	0.008000002	0.008203534	261.756713	0	64.37221464	0.00182064	0	0.05577167	0.00384791	0	0.0293245	0.00642064	0	0.24342732	0.078546322	0.205811913	1.323171223	0.037690112	0.62985981	0	2.46032274	0.00258773	0	0.00053638
Orange	2027	LDA	Aggregate	Aggregate	Diesel	2451.86	72324.2	72324.2	0	10337.7	0.10620503	0	0	0.010289186	0	0	0.002000001	0.002944837	0.003754418	0	0	0.008000002	0.008413821	230.611876	0	0	0.00095812	0	0.03631299	0	0	0.00262768	0	0	0.02368325	0	0	0.022483225	0	0	0	0	0	0	0.0031	0.31342828	0	0.00218516	0	0	0
Orange	2027	LDT1	Aggregate	Aggregate	Gasoline	93827.3	3351769	3351769	0	416522	0.096724486	0	0.32562938	0.00156763	0	0.002355496	0.002000001	0.003448641	0.001704941	0	0.00256182	0.008000002	0.00985326	314.529954	0	80.43889926	0.0051256	0	0.08581304	0.0076979	0	0.03535172	0.02202095	0	0.42547811	0.153285315	0.427363412	2.571553814	0.037788318	1.28403331	0	4.09400259	0.00310945	0	0.00079522
Orange	2027	LDT1	Aggregate	Aggregate	Diesel	11.7729	181.194	181.194	0	32.8525	1.2608101	0	0	0.203217628	0	0	0.002000001	0.00391062	0.212408227	0	0	0.008000002	0.0111732	408.897679	0	0	0.00182859	0	0.066422	0	0	0.25466253	0	0	0	0	0	0.288991636	0	0	0	0	0	0	0.0031	1.81761796	0	0.00387451	0	0	0
Orange	2027	LDT2	Aggregate	Aggregate	Gasoline	543469	2.2E+07	2.2E+07	0	2549564	0.04633692	0	0.25949379	0.003150942	0	0.001762942	0.002000001	0.003331862	0.001251754	0	0.00191736	0.008000002	0.009519606	319.878884	0	79.731134	0.0023549	0	0.06556126	0.0047464	0	0.03289577	0.00864816	0	0.28868665	0.072325964	0.19655986	1.277653313	0.0385561	0.72452701	0	2.82373298	0.00316233	0	0.00078822
Orange	2027	LDT2	Aggregate	Aggregate	Diesel	2178.4	88903.8	88903.8	0	10309.9	0.0337346	0	0	0.004280003	0	0	0.002000001	0.003344917	0.004473526	0	0	0.008000002	0.009556905	299.774982	0	0	0.0006753	0	0	0	0	0.04722967	0	0	0	0	0	0.014553877	0	0	0	0	0	0	0.0031	0.34916563	0	0.00284052	0	0	0
Orange	2027	LHDT1	Aggregate	Aggregate	Gasoline	40902.9	1647637	1647637	0	609392	0.09139967	0.03324647	0.55673404	0.009090099	0	0.000290946	0.002000001	0.027300008	0.001078823	0	0.00022834	0.008000002	0.078000022	565.478355	115.883306	25.70611343	0.00262185	0.10904159	0.02832907	0.00558795	0.00299652	0.04846045	0.01237428	0.38128322	0.13304241	0.037292042	0.209272299	2.314501034	0.04488302	0.75999394	3.76703372	3.11374715	0.00559033	0.00114562	0.00025413
Orange	2027	LHDT1	Aggregate	Aggregate	Diesel	23584.1	995052	995052	0	296659	0.83165834	1.62196189	0	0.016504386	0.02630447	0	0.003000001	0.027300008	0.017250641	0.02749384	0	0.012000003	0.078000022	479.961076	126.146242	0	0.00336451	0.00509813	0	0.07561806	0.01987439	0	0.07243589	0.1097597	0	0	0	0.282463144	0.124954513	0	0	0	0	0	0	0.10437425	0.18133624	0.909074508	0	0.00454788	0.00511953	0
Orange	2027	LHDT2	Aggregate	Aggregate	Gasoline	6543.09	244223	244223	0	97482.3	0.09360393	0.03366133	0.575844	0.006883792	0	0.00016848	0.002000001	0.031850009	0.000961205	0	0.00031824	0.008000002	0.091000026	651.948784	135.466275	24.8815508	0.00175859	0.10909135	0.02865406	0.00638754	0.00290101	0.04772095	0.00745191	0.38632796	0.13493544	0.038578774	0.210399727	2.444992187	0.04498915	0.5815696	3.773132527	2.99130735	0.00644518	0.00133922	0.00024598
Orange	2027	LHDT2	Aggregate	Aggregate	Diesel	10371.2	433595	433595	0	130457	0.69781566	1.5744474	0	0.016155581	0.02670232	0	0.003000001	0.031850009	0.016880044	0.02790968	0	0.012000003	0.091000026	564.599311	201.77977	0	0.00327298	0.00509813	0	0.08895285	0.03179048	0	0.07046534	0.1097597	0	0	0	0.280220101	0.124954513	0	0	0	0	0	0	0.19983452	0.15870412	0.909074508	0	0.00534987	0.00191197	0
Orange	2027	MHDT	Aggregate	Aggregate	Gasoline	6899.47	343883	343883	0	138045	0.18379514	0.08645121	0.35041067	0.008850173	0	0.000400466	0.003000001	0.015008867	0.000924641	0	0.00041554	0.012000003	0.042876762	1609.81424	533.718431	42.9794675	0.00474544	0.2707794	0.03920408	0.01186732	0.00801501	0.03092948	0.02131615	1.01268281	0.19790791	0.023215136	0.159688277	1.849139367	0.045	0.52058455	14.46781937	4.03373877	0.01591465	0.00527835	0.00094246
Orange	2027	MHDT	Aggregate	Aggregate	Diesel	28843	1162783	1162783	0	364090	0.58631736	10.1905063	1.6284895	0.007056236	0.01020405	0	0.003000001	0.015039129	0.007375287	0.010665544	0	0.012000003	0.04296037	1071.46769	2116.52853	0	0.00048721	0.00901468	0	0.16881017	0.33345993	0	0.01048945	0.19408357	0	0	0	0	0.011941144	0.22094937	0	0	0	0	0	0	0.21717854	0.05352854	7.35720874	0	0.01014616	0.02004226	0

	Daily Trips
	1025

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	74.0%	0.5%	7.3%	18.2%	100%
# Daily Vehicles	758.06	5.46	74.93	186.54	1025
# Annual Vehicles	276,693	1,994	27,349	68,088	374,125

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	1,994	2.0%	1.63E+00
3-Axle Trks	27,349	28.1%	1.09E+00
4-Axle Trks	68,088	69.9%	1.86E+00
Total	97,432	100%	---

DPM Lbs/ Yr	PROJ1						Total
Distance (m)	228.8	0	0	0	0	0	228.8
%	100%	0%	0%	0%	100%	100%	300%
2-Axle Trks	2.31E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-01
3-Axle Trks	1.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-01
4-Axle Trks	2.64E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-01
Total	6.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-01

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	1,994	2.0%	7.92E-02
3-Axle Trks	27,349	28.1%	4.79E-01
4-Axle Trks	68,088	69.9%	3.73E+00
Total	97,432	100%	---

DPM Lbs/ Yr	IN2	OUT2					Total
Gas Only	N	N	N	N	N	N	
Distance (m)	1174.3	1165.6	0	0	0	0	2339.9
%	50%	50%	0%	0%	0%	0%	100%
2-Axle Trks	2.89E-02	2.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-02
3-Axle Trks	1.75E-01	1.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-01
4-Axle Trks	1.36E+00	1.35E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E+00
Total	1.56E+00	1.55E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E+00

Truck Idle

# of Idling Pts	4

Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs /Idle-Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	4	0	0	0	0	0	4
2-Axle Trks	1,994	6.11E-05	0.25	3.05E-02	7.61E-03	3.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-02
3-Axle Trks	27,349	2.80E-05	0.25	1.91E-01	4.78E-02	1.91E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-01
4-Axle Trks	68,088	6.52E-05	0.25	1.11E+00	2.78E-01	1.11E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E+00
Total	97,432	--	--	1.33E+00	3.33E-01	3.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E+00

TRUs

Percent of Trucks	0		# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.50	4.19E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	276,693	62%	37.75%
# Vehicles		172,235	104,458

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	2.26E-05	4.59E-04
LDT	4.36E-05	6.28E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	1.09E-02	1.28E-02
107028	Acrolein	1.30E-03	5.06E-03	5.93E-03
71432	Benzene	2.47E-02	9.61E-02	1.13E-01
106990	1,3-Butadiene	5.50E-03	2.14E-02	2.51E-02
100414	Ethylbenzene	1.05E-02	4.08E-02	4.79E-02
50000	Formaldehyde	1.58E-02	6.15E-02	7.20E-02
110543	Hexane	1.60E-02	6.22E-02	7.29E-02
67561	Methanol	1.20E-03	4.67E-03	5.47E-03
78933	Methyl Ethyl Ketone	2.00E-04	7.78E-04	9.12E-04
91203	Naphthalene	5.00E-04	1.94E-03	2.28E-03
115071	Propylene	3.06E-02	1.19E-01	1.39E-01
100425	Styrene	1.20E-03	4.67E-03	5.47E-03
108883	Toluene	5.76E-02	2.24E-01	2.63E-01
1330207	Xylenes	4.80E-02	1.87E-01	2.19E-01
9901	Diesel	8.89E-03	3.38E+00	2.05E+00

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	1.40E-02	1.64E-02
100414	Ethylbenzene	1.180E-03	4.59E-03	5.38E-03
110543	Hexane	1.540E-02	5.99E-02	7.02E-02
108883	Toluene	1.700E-02	6.61E-02	7.75E-02
1330207	Xylenes	5.780E-03	2.25E-02	2.63E-02

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	PROJ1		0		0		0		0		0		IN2		OUT2		0		0		0		0			
				Cars	100%		0%		0%		0%		0%		0%		50%		50%		0%		0%		0%		0%			
					100.00%		0.00%		0.00%		0.00%		0.00%		0.00%		50.00%		50.00%		0.00%		0.00%		0.00%		0.00%		200.00%	2568.7
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.01%		0.00%		0.00%		0.00%		0.00%		0.00%		0.01%		0.01%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	7.88E-06	2.37E-02		7.88E-06	2.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-06	5.91E-03	1.97E-06	5.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	3.55E-02
107028	Acrolein	3.66E-06	1.10E-02		3.66E-06	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-07	2.75E-03	9.15E-07	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-06	1.65E-02
71432	Benzene	7.97E-05	2.39E-01		7.97E-05	2.39E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	5.98E-02	1.99E-05	5.98E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	3.59E-01
106990	1,3-Butadiene	1.55E-05	4.65E-02		1.55E-05	4.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-06	1.16E-02	3.87E-06	1.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	6.97E-02
100414	Ethylbenzene	3.29E-05	9.87E-02		3.29E-05	9.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-06	2.47E-02	8.22E-06	2.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	1.48E-01
50000	Formaldehyde	4.45E-05	1.33E-01		4.45E-05	1.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	3.34E-02	1.11E-05	3.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	2.00E-01
110543	Hexane	8.84E-05	2.65E-01		8.84E-05	2.65E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	6.63E-02	2.21E-05	6.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.98E-01
67561	Methanol	3.38E-06	1.01E-02		3.38E-06	1.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-07	2.53E-03	8.45E-07	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-06	1.52E-02
78933	Methyl Ethyl Ketone	5.63E-07	1.69E-03		5.63E-07	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	4.22E-04	1.41E-07	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-07	2.53E-03
91203	Naphthalene	1.41E-06	4.22E-03		1.41E-06	4.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	1.06E-03	3.52E-07	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-06	6.34E-03
115071	Propylene	8.62E-05	2.59E-01		8.62E-05	2.59E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	6.46E-02	2.15E-05	6.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.88E-01
100425	Styrene	3.38E-06	1.01E-02		3.38E-06	1.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-07	2.53E-03	8.45E-07	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-06	1.52E-02
108883	Toluene	2.10E-04	6.30E-01		2.10E-04	6.30E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	1.58E-01	5.25E-05	1.58E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	9.45E-01
1330207	Xylenes	1.51E-04	4.54E-01		1.51E-04	4.54E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	1.14E-01	3.79E-05	1.14E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	6.82E-01
9901	Diesel	1.81E-03	5.42E+00		1.81E-03	6.07E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	2.92E+00	4.52E-04	2.91E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03	1.19E+01

	Daily Trips
	246.99

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	80.9%	0.4%	5.4%	13.4%	100%
# Daily Vehicles	199.79	0.97	13.25	32.98	246.99
# Annual Vehicles	72,925	353	4,836	12,038	90,151

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	353	2.0%	2.88E-01
3-Axle Trks	4,836	28.1%	1.94E-01
4-Axle Trks	12,038	69.9%	3.29E-01
Total	17,227	100%	---

DPM Lbs/ Yr	PRO2_IN	PRO2_OUT					Total
Distance (m)	132.1	142.2	0	0	0	0	274.3
%	50%	50%	0%	0%	0%	0%	100%
2-Axle Trks	1.18E-02	1.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-02
3-Axle Trks	7.94E-03	8.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-02
4-Axle Trks	1.35E-02	1.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-02
Total	3.32E-02	3.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-02

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	353	2.0%	1.40E-02
3-Axle Trks	4,836	28.1%	8.46E-02
4-Axle Trks	12,038	69.9%	6.59E-01
Total	17,227	100%	---

DPM Lbs/ Yr	IN1	IN2	OUT2	OUT1			Total
Gas Only	N	N	N	N	N	N	
Distance (m)	369.4	1174.3	1165.6	347.6	0	0	3056.9
%	50%	50%	50%	50%	0%	0%	200%
2-Axle Trks	1.61E-03	5.11E-03	5.07E-03	1.51E-03	0.00E+00	0.00E+00	1.33E-02
3-Axle Trks	9.72E-03	3.09E-02	3.07E-02	9.14E-03	0.00E+00	0.00E+00	8.04E-02
4-Axle Trks	7.57E-02	2.41E-01	2.39E-01	7.12E-02	0.00E+00	0.00E+00	6.26E-01
Total	8.70E-02	2.77E-01	2.74E-01	8.18E-02	0.00E+00	0.00E+00	7.20E-01

Truck Idle

# of Idling Pts	4

Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs /Idle-Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	4	0	0	0	0	0	4
2-Axle Trks	353	6.11E-05	0.25	5.38E-03	1.35E-03	5.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-03
3-Axle Trks	4,836	2.80E-05	0.25	3.38E-02	8.46E-03	3.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-02
4-Axle Trks	12,038	6.52E-05	0.25	1.96E-01	4.91E-02	1.96E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-01
Total	17,227	--	--	2.36E-01	5.89E-02	5.89E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-01

TRUs

Percent of Trucks	0		# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.50	4.19E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	72,925	62%	37.75%
# Vehicles		45,394	27,531

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	2.26E-05	4.59E-04
LDT	4.36E-05	6.28E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	2.87E-03	3.36E-03
107028	Acrolein	1.30E-03	1.33E-03	1.56E-03
71432	Benzene	2.47E-02	2.53E-02	2.97E-02
106990	1,3-Butadiene	5.50E-03	5.64E-03	6.61E-03
100414	Ethylbenzene	1.05E-02	1.08E-02	1.26E-02
50000	Formaldehyde	1.58E-02	1.62E-02	1.90E-02
110543	Hexane	1.60E-02	1.64E-02	1.92E-02
67561	Methanol	1.20E-03	1.23E-03	1.44E-03
78933	Methyl Ethyl Ketone	2.00E-04	2.05E-04	2.40E-04
91203	Naphthalene	5.00E-04	5.13E-04	6.01E-04
115071	Propylene	3.06E-02	3.14E-02	3.68E-02
100425	Styrene	1.20E-03	1.23E-03	1.44E-03
108883	Toluene	5.76E-02	5.91E-02	6.92E-02
1330207	Xylenes	4.80E-02	4.92E-02	5.77E-02
9901	Diesel	8.89E-03	8.90E-01	5.40E-01

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	3.69E-03	4.32E-03
100414	Ethylbenzene	1.180E-03	1.21E-03	1.42E-03
110543	Hexane	1.540E-02	1.58E-02	1.85E-02
108883	Toluene	1.700E-02	1.74E-02	2.04E-02
1330207	Xylenes	5.780E-03	5.93E-03	6.94E-03

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	PRO2_IN		PRO2_OUT		0		0		0		0		IN1		IN2		OUT2		OUT1		0		0			
				Cars	50%		50%		0%		0%		0%		0%		50%		50%		50%		50%		0%		0%			
					50.00%		50.00%		0.00%		0.00%		0.00%		0.00%		50.00%		50.00%		50.00%		50.00%		0.00%		0.00%		300.00%	3331.2
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	2.08E-06	6.23E-03		1.04E-06	3.12E-03	1.04E-06	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	1.56E-03	5.20E-07	1.56E-03	5.20E-07	1.56E-03	5.20E-07	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-06	1.25E-02
107028	Acrolein	9.65E-07	2.89E-03		4.82E-07	1.45E-03	4.82E-07	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	7.24E-04	2.41E-07	7.24E-04	2.41E-07	7.24E-04	2.41E-07	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-06	5.79E-03
71432	Benzene	2.10E-05	6.30E-02		1.05E-05	3.15E-02	1.05E-05	3.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-06	1.58E-02	5.25E-06	1.58E-02	5.25E-06	1.58E-02	5.25E-06	1.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	1.26E-01
106990	1,3-Butadiene	4.08E-06	1.22E-02		2.04E-06	6.12E-03	2.04E-06	6.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	3.06E-03	1.02E-06	3.06E-03	1.02E-06	3.06E-03	1.02E-06	3.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-06	2.45E-02
100414	Ethylbenzene	8.67E-06	2.60E-02		4.33E-06	1.30E-02	4.33E-06	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-06	6.50E-03	2.17E-06	6.50E-03	2.17E-06	6.50E-03	2.17E-06	6.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	5.20E-02
50000	Formaldehyde	1.17E-05	3.52E-02		5.86E-06	1.76E-02	5.86E-06	1.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-06	8.79E-03	2.93E-06	8.79E-03	2.93E-06	8.79E-03	2.93E-06	8.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	7.04E-02
110543	Hexane	2.33E-05	6.99E-02		1.17E-05	3.50E-02	1.17E-05	3.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-06	1.75E-02	5.83E-06	1.75E-02	5.83E-06	1.75E-02	5.83E-06	1.75E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	1.40E-01
67561	Methanol	8.91E-07	2.67E-03		4.45E-07	1.34E-03	4.45E-07	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	6.68E-04	2.23E-07	6.68E-04	2.23E-07	6.68E-04	2.23E-07	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-06	5.34E-03
78933	Methyl Ethyl Ketone	1.48E-07	4.45E-04		7.42E-08	2.23E-04	7.42E-08	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-08	1.11E-04	3.71E-08	1.11E-04	3.71E-08	1.11E-04	3.71E-08	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	8.91E-04
91203	Naphthalene	3.71E-07	1.11E-03		1.86E-07	5.57E-04	1.86E-07	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-08	2.78E-04	9.28E-08	2.78E-04	9.28E-08	2.78E-04	9.28E-08	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-07	2.23E-03
115071	Propylene	2.27E-05	6.81E-02		1.14E-05	3.41E-02	1.14E-05	3.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-06	1.70E-02	5.68E-06	1.70E-02	5.68E-06	1.70E-02	5.68E-06	1.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	1.36E-01
100425	Styrene	8.91E-07	2.67E-03		4.45E-07	1.34E-03	4.45E-07	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	6.68E-04	2.23E-07	6.68E-04	2.23E-07	6.68E-04	2.23E-07	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-06	5.34E-03
108883	Toluene	5.54E-05	1.66E-01		2.77E-05	8.30E-02	2.77E-05	8.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	4.15E-02	1.38E-05	4.15E-02	1.38E-05	4.15E-02	1.38E-05	4.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	3.32E-01
1330207	Xylenes	3.99E-05	1.20E-01		2.00E-05	5.99E-02	2.00E-05	5.99E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06	2.99E-02	9.98E-06	2.99E-02	9.98E-06	2.99E-02	9.98E-06	2.99E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	2.39E-01
9901	Diesel	4.76E-04	1.43E+00		2.38E-04	7.48E-01	2.38E-04	7.50E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	4.44E-01	1.19E-04	6.34E-01	1.19E-04	6.32E-01	1.19E-04	4.39E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-04	3.65E+00

HARP2 - HRACalc (dated 22118) 2/24/2025 4:23:47 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_30yr_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_30yr_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_30yr_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_30yr_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_30yr_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_30yr_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 2/24/2025 4:13:56 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 25

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_Worker_25yr_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_Worker_25yr_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_Worker_25yr_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_Worker_25yr_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_Worker_25yr_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\CLF2101.4A - Cumulative\HARP_OP\hra\Op_Cumulative_Worker_25yr_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP Project Summary Report 8/20/2024 9:38:12 PM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_OP
Project Output Directory: D:\LSA\2024\CLF2101.4A - Cumulative\HARP_OP
HARP Database: NA

FACILITY INFORMATION
Origin
X (m):0
Y (m):0
Zone:1
No. of Sources:0
No. of Buildings:0

EMISSION INVENTORY
No. of Pollutants:142
No. of Background Pollutants:0

Emissions

ScrID	StkID	ProID	PolID	PolAbbrev	Multi	Annual Ems (lbs/yr)	MaxHr Ems (lbs/hr)	MWAF
PRO2_IN	0	0	75070	Acetaldehyde	1	0.003117158	1.03905E-06	1
PRO2_IN	0	0	107028	Acrolein	1	0.001447252	4.82417E-07	1
PRO2_IN	0	0	71432	Benzene	1	0.031505556	1.05019E-05	1
PRO2_IN	0	0	106990	1,3-Butadiene	1	0.006122988	2.041E-06	1
PRO2_IN	0	0	100414	Ethyl Benzene	1	0.013003	4.33433E-06	1
PRO2_IN	0	0	50000	Formaldehyde	1	0.017589675		

	5.86322E-06	1				
PRO2_IN	0	0	110543	Hexane	1	0.034956695
	1.16522E-05	1				
PRO2_IN	0	0	67561	Methanol	1	0.001335925
	4.45308E-07	1				
PRO2_IN	0	0	78933	MEK	1	0.000222654
	7.42E-08	1				
PRO2_IN	0	0	91203	Naphthalene	1	0.000556635
	1.85545E-07	1				
PRO2_IN	0	0	115071	Propylene	1	0.034066079
	1.13554E-05	1				
PRO2_IN	0	0	100425	Styrene	1	0.001335925
	4.45308E-07	1				
PRO2_IN	0	0	108883	Toluene	1	0.083049983
	2.76833E-05	1				
PRO2_IN	0	0	1330207	Xylenes	1	0.05987169
	1.99572E-05	1				
PRO2_IN	0	0	9901	DieselExhPM	1	0.747936824
	0.000238229	1				
PRO2_OUT	0	0	75070	Acetaldehyde	1	0.003117158
	1.03905E-06	1				
PRO2_OUT	0	0	107028	Acrolein	1	0.001447252
	4.82417E-07	1				
PRO2_OUT	0	0	71432	Benzene	1	0.031505556
	1.05019E-05	1				
PRO2_OUT	0	0	106990	1,3-Butadiene	1	0.006122988
	2.041E-06	1				
PRO2_OUT	0	0	100414	Ethyl Benzene	1	0.013003
	4.33433E-06	1				
PRO2_OUT	0	0	50000	Formaldehyde	1	0.017589675
	5.86322E-06	1				
PRO2_OUT	0	0	110543	Hexane	1	0.034956695
	1.16522E-05	1				
PRO2_OUT	0	0	67561	Methanol	1	0.001335925
	4.45308E-07	1				
PRO2_OUT	0	0	78933	MEK	1	0.000222654
	7.42E-08	1				
PRO2_OUT	0	0	91203	Naphthalene	1	0.000556635

1.85545E-07	1					
PRO2_OUT	0	0	115071	Propylene	1	0.034066079
1.13554E-05	1					
PRO2_OUT	0	0	100425	Styrene	1	0.001335925
4.45308E-07	1					
PRO2_OUT	0	0	108883	Toluene	1	0.083049983
2.76833E-05	1					
PRO2_OUT	0	0	1330207	Xylenes	1	0.05987169
1.99572E-05	1					
PRO2_OUT	0	0	9901	DieselExhPM	1	0.750479019
0.000238229	1					
PROJ1	0	0	75070	Acetaldehyde	1	0.023654407
7.8848E-06	1					
PROJ1	0	0	107028	Acrolein	1	0.010982403
3.6608E-06	1					
PROJ1	0	0	71432	Benzene	1	0.239078467
7.96928E-05	1					
PROJ1	0	0	106990	1,3-Butadiene	1	0.046464013
1.5488E-05	1					
PROJ1	0	0	100414	Ethyl Benzene	1	0.098672667
3.28909E-05	1					
PROJ1	0	0	50000	Formaldehyde	1	0.133478437
4.44928E-05	1					
PROJ1	0	0	110543	Hexane	1	0.265267274
8.84224E-05	1					
PROJ1	0	0	67561	Methanol	1	0.010137603
3.3792E-06	1					
PROJ1	0	0	78933	MEK	1	0.0016896
5.632E-07	1					
PROJ1	0	0	91203	Naphthalene	1	0.004224001
1.408E-06	1					
PROJ1	0	0	115071	Propylene	1	0.258508872
8.61696E-05	1					
PROJ1	0	0	100425	Styrene	1	0.010137603
3.3792E-06	1					
PROJ1	0	0	108883	Toluene	1	0.630220975
0.000210074	1					
PROJ1	0	0	1330207	Xylenes	1	0.454333566

	0.000151445	1					
PROJ1	0		0	9901	DieselExhPM	1	6.074810913
	0.00180779	1					
ONSITE1	0		0	75070	Acetaldehyde	1	0.0109213
	3.64043E-06	1					
ONSITE1	0		0	107028	Acrolein	1	0.005070604
	1.6902E-06	1					
ONSITE1	0		0	71432	Benzene	1	0.110383142
	3.67944E-05	1					
ONSITE1	0		0	106990	1,3-Butadiene	1	0.021452554
	7.15085E-06	1					
ONSITE1	0		0	100414	Ethyl Benzene	1	0.045557424
	1.51858E-05	1					
ONSITE1	0		0	50000	Formaldehyde	1	0.061627337
	2.05424E-05	1					
ONSITE1	0		0	110543	Hexane	1	0.122474582
	4.08249E-05	1					
ONSITE1	0		0	67561	Methanol	1	0.004680557
	1.56019E-06	1					
ONSITE1	0		0	78933	MEK	1	0.000780093
	2.60031E-07	1					
ONSITE1	0		0	91203	Naphthalene	1	0.001950232
	6.50077E-07	1					
ONSITE1	0		0	115071	Propylene	1	0.11935421
	3.97847E-05	1					
ONSITE1	0		0	100425	Styrene	1	0.004680557
	1.56019E-06	1					
ONSITE1	0		0	108883	Toluene	1	0.290974643
	9.69915E-05	1					
ONSITE1	0		0	1330207	Xylenes	1	0.209766975
	6.99223E-05	1					
ONSITE1	0		0	9901	DieselExhPM	1	4.164872857
	0.000834661	1					
IN1	0		0	75070	Acetaldehyde	1	0.00273
	9.1E-07	1					
IN1	0		0	107028	Acrolein	1	0.00127
	4.23E-07	1					
IN1	0		0	71432	Benzene	1	0.0276

9.2E-06	1					
IN1	0	0	106990	1,3-Butadiene	1	0.00536
1.79E-06	1					
IN1	0	0	100414	Ethyl Benzene	1	0.0114
3.8E-06	1					
IN1	0	0	50000	Formaldehyde	1	0.0154
5.14E-06	1					
IN1	0	0	110543	Hexane	1	0.0306
1.02E-05	1					
IN1	0	0	67561	Methanol	1	0.00117
3.9E-07	1					
IN1	0	0	78933	MEK	1	0.000195
6.5E-08	1					
IN1	0	0	91203	Naphthalene	1	0.000488
1.63E-07	1					
IN1	0	0	115071	Propylene	1	0.0298
9.95E-06	1					
IN1	0	0	100425	Styrene	1	0.00117
3.9E-07	1					
IN1	0	0	108883	Toluene	1	0.0727
2.42E-05	1					
IN1	0	0	1330207	Xylenes	1	0.0524
1.75E-05	1					
IN1	0	0	9901	DieselExhPM	1	0.834
0.000209	1					
IN2	0	0	75070	Acetaldehyde	1	0.0102
3.4E-06	1					
IN2	0	0	107028	Acrolein	1	0.00474
1.58E-06	1					
IN2	0	0	71432	Benzene	1	0.103
3.44E-05	1					
IN2	0	0	106990	1,3-Butadiene	1	0.02
6.68E-06	1					
IN2	0	0	100414	Ethyl Benzene	1	0.0426
1.42E-05	1					
IN2	0	0	50000	Formaldehyde	1	0.0576
1.92E-05	1					
IN2	0	0	110543	Hexane	1	0.114

3.81E-05	1					
IN2	0	0	67561	Methanol	1	0.00437
1.46E-06	1					
IN2	0	0	78933	MEK	1	0.000729
2.43E-07	1					
IN2	0	0	91203	Naphthalene	1	0.00182
6.07E-07	1					
IN2	0	0	115071	Propylene	1	0.111
3.72E-05	1					
IN2	0	0	100425	Styrene	1	0.00437
1.46E-06	1					
IN2	0	0	108883	Toluene	1	0.272
9.06E-05	1					
IN2	0	0	1330207	Xylenes	1	0.196
6.53E-05	1					
IN2	0	0	9901	DieselExhPM	1	4.84
0.00078	1					
OUT2	0	0	75070	Acetaldehyde	1	0.0102
3.4E-06	1					
OUT2	0	0	107028	Acrolein	1	0.00474
1.58E-06	1					
OUT2	0	0	71432	Benzene	1	0.103
3.44E-05	1					
OUT2	0	0	106990	1,3-Butadiene	1	0.02
6.68E-06	1					
OUT2	0	0	100414	Ethyl Benzene	1	0.0426
1.42E-05	1					
OUT2	0	0	50000	Formaldehyde	1	0.0576
1.92E-05	1					
OUT2	0	0	110543	Hexane	1	0.114
3.81E-05	1					
OUT2	0	0	67561	Methanol	1	0.00437
1.46E-06	1					
OUT2	0	0	78933	MEK	1	0.000729
2.43E-07	1					
OUT2	0	0	91203	Naphthalene	1	0.00182
6.07E-07	1					
OUT2	0	0	115071	Propylene	1	0.111

3.72E-05	1					
OUT2	0	0	100425	Styrene	1	0.00437
1.46E-06	1					
OUT2	0	0	108883	Toluene	1	0.272
9.06E-05	1					
OUT2	0	0	1330207	Xylenes	1	0.196
6.53E-05	1					
OUT2	0	0	9901	DieselExhPM	1	4.82
0.00078	1					
OUT1	0	0	75070	Acetaldehyde	1	0.00429
1.43E-06	1					
OUT1	0	0	107028	Acrolein	1	0.00199
6.64E-07	1					
OUT1	0	0	71432	Benzene	1	0.0433
1.44E-05	1					
OUT1	0	0	106990	1,3-Butadiene	1	0.00842
2.81E-06	1					
OUT1	0	0	100414	Ethyl Benzene	1	0.0179
5.96E-06	1					
OUT1	0	0	50000	Formaldehyde	1	0.0242
8.07E-06	1					
OUT1	0	0	110543	Hexane	1	0.0481
1.6E-05	1					
OUT1	0	0	67561	Methanol	1	0.00184
6.13E-07	1					
OUT1	0	0	78933	MEK	1	0.000306
1.02E-07	1					
OUT1	0	0	91203	Naphthalene	1	0.000766
2.55E-07	1					
OUT1	0	0	115071	Propylene	1	0.0469
1.56E-05	1					
OUT1	0	0	100425	Styrene	1	0.00184
6.13E-07	1					
OUT1	0	0	108883	Toluene	1	0.114
3.81E-05	1					
OUT1	0	0	1330207	Xylenes	1	0.0824
2.75E-05	1					
OUT1	0	0	9901	DieselExhPM	1	1.26

```
   0.000328        1
STCK1           0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK10          0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK11          0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK12          0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK13          0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK14          0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK15          0               0               9901            DieselExhPM     1               0.0589
   0.0589          1
STCK16          0               0               9901            DieselExhPM     1               0.0589
   0.0589          1
STCK17          0               0               9901            DieselExhPM     1               0.0589
   0.0589          1
STCK18          0               0               9901            DieselExhPM     1               0.0589
   0.0589          1
STCK19          0               0               9901            DieselExhPM     1               0.333
   0.333           1
STCK2           0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK20          0               0               9901            DieselExhPM     1               0.333
   0.333           1
STCK21          0               0               9901            DieselExhPM     1               0.333
   0.333           1
STCK22          0               0               9901            DieselExhPM     1               0.333
   0.333           1
STCK3           0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK4           0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK5           0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK6           0               0               9901            DieselExhPM     1               0.0428
```

```
   0.0428          1
STCK7           0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK8           0               0               9901            DieselExhPM     1               0.0428
   0.0428          1
STCK9           0               0               9901            DieselExhPM     1               0.0428
   0.0428          1

Background
PolID           PolAbbrev       Conc (ug/m^3)   MWAF
_____________________________________________________________________

Ground level concentration files (\glc\)
_____________________________________
100414MAXHR.txt
100414PER.txt
100425MAXHR.txt
100425PER.txt
106990MAXHR.txt
106990PER.txt
107028MAXHR.txt
107028PER.txt
108883MAXHR.txt
108883PER.txt
110543MAXHR.txt
110543PER.txt
115071MAXHR.txt
115071PER.txt
1330207MAXHR.txt
1330207PER.txt
50000MAXHR.txt
50000PER.txt
67561MAXHR.txt
67561PER.txt
71432MAXHR.txt
71432PER.txt
75070MAXHR.txt
75070PER.txt
```

78933MAXHR.txt
78933PER.txt
91203MAXHR.txt
91203PER.txt
9901MAXHR.txt
9901PER.txt

POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH22013
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
75070	Acetaldehyde	0.01		470	140		300
107028	Acrolein			2.5	0.35		0.7
71432	Benzene	0.1		27	3		3
106990	1,3-Butadiene	0.6		660	2		9
100414	Ethyl Benzene	0.0087			2000		
50000	Formaldehyde	0.021		55	9		9
110543	Hexane				7000		
67561	Methanol			28000	4000		
78933	MEK			13000			
91203	Naphthalene	0.12			9		
115071	Propylene				3000		

100425	Styrene		21000	900
108883	Toluene		5000	420
830				
1330207	Xylenes		22000	700
9901	DieselExhPM	1.1		5

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